

# The **NASWA** Journal

VOLUME XLII NUMBER 1

JANUARY 2002

## **ATIVIDADE DX**

Nº187

FEVEREIRO 2000

Ano 18

BOLETIM INFORMATIVO MENSAL DO DX CLUBE DO BRASIL



**Agora Somos o  
DX Clube do Brasil!**

<http://www.dxcpc.com.br>

# Universal Radio - Quality Equipment since 1942.

**TEN-TEC**

## RX-350

The new Ten-Tec RX-350 brings you the world of IF level digital signal processing in a powerful desktop SWL receiver unlike anything that has come before it. What benefit does IF-DSP provide the shortwave listener? Cleaner signal readability. Plus DSP can eliminate heterodynes and limit spurious broadband noise instantly by pushing buttons. Take advantage of the wide variety of DSP filter choices built-in to the receiver to suppress undesired adjacent interference. Use these same filters to tailor the response of the receiver to your needs - from a wide 8 kHz for pleasing SAM or AM audio to a tiny 300 Hz for digging weak CW and digital mode signals out of the noise. There are 34 of them built-in. That's right, 34, not 2 or 3 built-in, and not sold as expensive options! IF-DSP also allows Flash ROM updating of your receiver with the latest features and functions. Free! If new functions and features are added to the RX-350, simply visit the Ten-Tec website, download the latest version of the receiver, connect it via a serial port cable to your RX-350 and it's as if your radio rolled off the assembly line minutes earlier.

The RX-350 features a clean, modern look featuring a large multifunction LCD graphics panel for display of all receiver functions. Push-button operation of major receiver controls are provided from the receiver front panel. Simple, logical layout of front panel controls allow operation of the radio without having to constantly refer to the instruction manual. Never has such a powerful receiver been so easy to operate.

RX-350, covering 100 kHz to 30 MHz, supports operating modes tailored to the dedicated shortwave listener. Selectable sideband, synchronous AM detection allows higher quality reception of AM signals especially under conditions of severe fading. DSP automatic notch filter for suppressing unwanted carriers in voice modes. Push-button DSP noise reduction to suppress unwanted broadband noise. The built-in 34 bandwidth filters from 300 Hz to 8 kHz are instantly selectable by turning a knob. All filters are independent of mode - use any available filter in any receive mode. Mode selection via dedicated push buttons rather than 'mode-cycling' with a single control. 'FAST UP' and 'FAST DOWN' buttons for quick large-step frequency changing. FAST UP and FAST DOWN buttons are user-configurable for step sizes, 1 MHz, 500 kHz, 100 kHz up or down. Main tuning knob can be adjusted in 7 user-selectable step sizes from 1 Hz to 100 kHz steps. Passband tuning and manual notch control are available in all modes, including synchronous AM.

Momentary 'SWEEP' function shows band activity in 8 selectable coverage rates. Find the signals without even being on frequency! Simply tune to a desired frequency, select one of 8 SWEEP ranges, and press the SWEEP button. Signals will be shown on the bar graph on opposite sides of the starting frequency. A cursor will appear and allow you to tune RX-350 to any signal visible on the screen. Easy!

128 memories that retain frequency, mode and bandwidth information. Memories are grouped into several banks for easy storage of frequencies from different bands. An alphanumeric tag function of up to 8 letters allows memories to be tagged with specific names like 'WSEV 930' or 'VOA', etc.



Scan functions allow scanning of band segments or memory banks. Memory bank scan feature includes a memory lockout function for skipping of constantly busy channels. Band scanning is user-programmable; set the start and stop frequencies, push a button and the radio starts to scan between the two frequencies.

Built in clock displayed on LCD screen displays hours, minutes, and seconds in user-selectable 12 or 24 hour format. Timer circuitry and a squelch-activated output allow for monitoring and/or tapping of band activity even when the user is not present. Timer function allows the radio to be set in a 'wait' mode, to power on at a specific time and to send a control signal for actuation of accessory equipment. Two separate timer outputs are provided for connection of two separate devices to be actuated by the timer circuit. The squelch-activated output allows the radio to be left on and squelched on a given frequency. When a signal is present to open the squelch, an actuation signal is sent via a rear-panel jack.

Rear panel Hi-Z and Lo-Z antenna inputs allow connection of virtually any antenna to the RX-350. Built-in AC switching power supply allows operation of RX-350 from either 115 or 230 VAC. Separate DC power input jack can be used for 13.8 VDC operation. AC and DC supply can be connected at the same time for backup. Plug the RX-350 into the wall and connect to battery supply. If the AC power goes off, the connected DC source automatically takes over power to the receiver. Mute function for muting of receiver if used with a companion transmitter. 12.125x5x13 inches.

An optional remote encoder knob/keypad, model 302, is available for armchair operation of the RX-350. Simply plug the 302 into the rear panel of the RX-350 via the provided 6 foot cable. The 302 provides a duplicate of the main tuning knob of the receiver, a direct frequency entry keypad, and three functions buttons that can be user-assigned to control various receiver functions like mode switching, main tuning knob step size, SWEEP actuation, etc. The main tuning knob on the receiver front panel and all other receiver functions are active even when the 302 is in use. Sit back and relax!

No other shortwave receiver packs this much value 'under the hood'. To top it off, it's MADE IN USA and competitively priced! Put the RX-350 side-by-side with your present HF receiver and see for yourself why Ten-Tec is the fastest growing name in high-quality shortwave receivers. One year limited warranty. This product is expected to ship in early December. \*14.95 UPS shipping in 48 states. Universal is accepting orders now.

Ten-Tec RX-350 Order #0350 \$1199.00

Please visit [www.universal-radio.com](http://www.universal-radio.com) for complete specifications, color photos and further technical information.

[www.RFfun.com](http://www.RFfun.com)

[www.universal-radio.com](http://www.universal-radio.com)

- Informative On-line Catalog
- Used Equipment Listing

- Specials and Close Outs
- Cats and other cool stuff.

[www.DXing.com](http://www.DXing.com)

- Glenn Hauser's Contention of Nields
- Glenn Hauser's DX Listener Digest
- Favorite Tube Type SW Receivers
- Don Schimmer's Radio Intrigue
- Joe Carr's Tech Notes
- Modern SW Receiver Survey

**universal  
radio inc.**

Quality Communications  
Equipment Since 1942

Universal Radio, Inc.  
6830 Americana Pkwy.  
Reynoldsburg, Ohio  
43068-4113 U.S.A.  
800 431-3939 Orders & Prices  
614 866-4267 Information  
614 866-2339 FAX  
[dx@universal-radio.com](mailto:dx@universal-radio.com)  
[www.universal-radio.com](http://www.universal-radio.com)

Visa, Mastercard or Discover card.  
Prices and specifications subject to change.

# NASWA Notes

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

---

Happy New Year to all and I hope the holiday season was a good one for all our members. Any new radio-related equipment received for the holiday's that is worthy of an interesting musing? Here's hoping the New Year brings lots of good DX loggings!

Last month the club successfully launched its electronic flash sheet newsletter under the editorship of veteran Log Report columnist **Sheryl Paszkiewicz**, [spaszkiewicz@yahoo.com](mailto:spaszkiewicz@yahoo.com) (or P.O. Box 716 Manitowoc, WI 54221-0152 for non-electronic submissions). The electronic newsletter supplements the monthly *Journal* for the timely dissemination of DX loggings and breaking news, which is only available to members. Deadlines are posted in the *NASWA Flashsheet*. If you are a current member of the club and want to receive the electronic *NASWA Flashsheet* just drop me a note with your e-mail address.

Don't forget that **Gary R. Neal** (7410 Orchard Hills Lane, Sugar Land, TX 77479-6122) is now the Manager of our Awards Program. Please show your support for Gary in his new position by keeping him busy processing awards applications. Welcome aboard Gary and thanks to retiring editor **Fred Kohlbrenner** for his fine efforts over many years.

Tabulator **Mike Wolfson** has compiled the results of the club's survey contained in recent editions of the *Journal*. The number of responses received was somewhat light and therefore, disappointing. Nevertheless, here is a summary of the results: Here's a summary of the final survey results. We had a total of 76 responses with 71.8% received via e-mail and 28.2% via postal mail. Interestingly, 10 postal replies came from members with e-mail capability. Question results

are in percentages: (1) E-mail capability: Yes: 85.5 No: 14.5; (2) Interest in receiving club info via the net: Yes: 82.1 No: 16.4 Maybe: 1.5; (3) Interest in "Hot DX" tip via the net: Yes: 71.2 No: 21.2 Maybe: 7.6 (a couple of people expressed an interest in getting programming information instead of or as well); (4) Interest in an online membership and e-mail address list: Yes: 62.3 No: 29 Maybe: 7.2. Mike reports that this last matter was a "Big hot button issue. This question generated the most passionate responses. Those who said no said so very strongly. Major worries were about spam and unauthorized use. Most suggestions centered on passwords etc." Thanks to Mike Wolfson for the excellent job in tabulating the results and to the membership that found the time to reply. Your combined efforts are very much appreciated.

**Bill Bergadano** informs us that the NASWA Company Store now carries the new Confidential Frequency List. This book, which details frequencies, call signs and data for the non-broadcast stations on 2-30 MHz, has just been released (12<sup>th</sup> Edition). It's in stock and Bill is shipping now! It costs US\$24.95 with US\$4.00 shipping and handling in North America and US\$6.00 surface, \$8.00 air to rest of world. While you are at it, you may want to obtain the latest version of the *NASWA Country List and Awards Program Booklet* for just US\$3.00 in North America and US\$5.25 elsewhere. Visit the Company Store for all your book purchases.

Shortly after we went to press last month, **Dr. Adrian Peterson** announced the results of the AWR DX Contest—"Most Beautiful QSL Cards." The final delivery of listener mail brought in the last entry from the annual DX contest. It was from Achraf Chaabane, Sfax, Tunisia. With a total of 665 points, he easily

---

OUR MOTTO IS - "UNITY AND FRIENDSHIP"

outclassed all other entries. The additional Continental Area winners for the in the AWR "Thirtieth Anniversary DX Contest" DX contest are: Europe—Herbert Stevens (Germany), North America—Andrew Lisowski (USA), Other Americas—Richard Chen (Trinidad), Asia—Subir Basu (India), and Pacific—Gershon Batulayan (Philippines). The world champion in this year's contest, **Achraf Chaabane**, is the first winner ever from Africa. He will receive an autographed copy of Jerry Berg's book, *On the Short Waves* as well as the Bronze Medallion inscribed for the year 2001. The five Continental Area winners will each receive a copy of their choice, either *Passport to World Band Radio 2002* or *World Radio TV Handbook 2002*. (See *Musings*)

As 2001 drew to a close, there were a few important milestones achieved in the hobby. Of course, NASWA celebrated its 40th anniversary. Also, the **Danish Shortwave Club International** ("DSWCI") celebrated 45 years of operation. The club publishes *Shortwave News* and a hot electronic newsletter, *DX Window*, for its members. The cost for a year's membership in North America is US\$37.00. If you are interested you can contact the DSWCI (Tavleager 31, DK-2670 Greve, Denmark).

Our medium wave friends at the **National Radio Club** ("NRC") have seen two significant milestones. **Fred Vobbe** distributed the 200th edition of the monthly DX Audio Service ("DXAS") program on cassette tape. Finally, **Paul Swearingen** completed publishing 400 editions of the *DX News* for the NRC. A yearly subscription to the DXAS (P. O. Box 5031, Lima, OH 45802-5031), featuring twelve 90 minute tapes) to USA addresses is US\$28.00; to Canadian Addresses US\$32.00; and all other addresses US\$40.00. A yearly subscription to the *DX News*, featuring 30 issues, costs just US\$28.00 to USA addresses; US\$38.00 to Canada and US\$52.00 to all other countries. You can write to the NRC Subscription Center, Ron Musco, Manager, P. O. Box 118, Poquonock, CT 06064-0118.

Please don't forget that all communications for NASWA Headquarters should be directed to our Publisher/Business Manger **Bill Oliver** at the new electronic address, [naswa@earthlink.net](mailto:naswa@earthlink.net), or to the familiar 45 Wildflower Road, Levittown, PA 19057 address.

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

---

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

*Headquarters Report* noted that Roger Legge launched the *USSR High Frequency Newsletter* (information about Radio Moscow and other USSR broadcasting station frequency changes, transmitter sites, schedules, tips on hearing various Soviet Republics, etc.). John Tuchscherer was finishing up development of an article on propagation. In the *Shortwave Center*, Morgan Monroe wrote about "Decibels" and Bob Fox worth wrote about "Digital Frequency Readout for Receivers." In a special feature, Ed Shaw examined the Sony ICF-5900W with a recommendation to "buy it if you absolutely cannot afford the FRG-7." Bill Oliver noted 116 countries were reported in the *QSL Report*. In the *DX Hotline*, edited by John Moritz, John Sgrulletta was pleased to report hearing Andorra on 6230 kHz. Pitt McNeil substituted for a traveling Dan Robinson as editor for *Log Report A*. Sam Barto, *Log Report B* editor, noted that 71 reports could not be used because of space limitations. Distributing Editor Greg Ravenhorst thanked 101 reporters for their contributions to the *Log Report* columns.



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

---

---

# 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.*

**Jon Horen, 3384 Mink Lane, Fairbanks, AK 99712**

Greetings from the interior of Alaska!

This is my first muse in several years and I'm writing to comment on Richard Cuff's remarks in the December "Easy Listening." Richard says, "the US went 189 years without being attacked in North America by a foreign foe." Not so.

It has been called "The Forgotten War" by many Alaskans. Brian Garfield chronicles it extensively in his, "The Thousand-Mile War: World War II in Alaska and the Aleutians" and writes this:

"It is about a thousand miles from Dutch Harbor, near the Alaska Peninsula, to Attu at the western tip of the Aleutian Island chain. They are the most brutal thousand miles in the Pacific Ocean. Here, for fifteen months in 1942-1943, was fought one of the toughest campaigns of World War II.

"In the context of the global war it was relatively small. About 500,000 men took part—Americans, Canadians, Russians, Japanese. Its battles were fought on land, at sea and in the air. It cost scores of ships, hundreds of airplanes, and perhaps thousands of lives. It was the only campaign of World War II fought on the United States' own North American soil. And it gave the United States her first theaterwide victory over Japan."

Respectively submitted—Jon Horen

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

Recently I noticed an advertisement in the Wall Street Journal for the Grundig YB 300PE portable receiver. Entitled "Global Update" the ad talked about hearing news and events as they unfold around the world. What struck me as interesting was the frequent use of the word "shortwave." At one time that was a word that didn't appear in ads in non-hobby based publications with the more generic term "World Band" in use. In describing the ability to hear news from around the world the ad states, "That's the power of Shortwave Radio." In describing some of the features it states, "It has the power to pull in weak shortwave signals..." It closes with "Whether you are an experienced shortwave listener or a newcomer to the world of international broadcasts..." Wow, three specific references to shortwave radio and not one reference to world band radio. For a long time the word "shortwave" was taboo in advertising in such media. When did this change in advertising philosophy happen?

I just returned from the latest French Creek DXPedition with a batch of stories and some loggings too. Unfortunately, due to the editorial schedule, the logs will not appear until next month. I'll hold my musing about the trip until February's Journal. However, those that have the capability to receive the new electronic Flashsheet should take advantage of that vehicle. Sheryl was able to distribute the DXPedition logs on a timely basis.

73, Rich

**Adrian Peterson <105502.471@compuserve.com>, 903 Tanninger Dr., Indianapolis, IN 46239 317-891-8540**

This year's contest gave equal opportunity to experienced DXers as well as to those who are new to the international radio scene. The statistical procedure for next year's contest will again give equal opportunity to all international radio monitors, DXers and shortwave listeners of all levels of experience. We invite you to enter our 2002 DX contest in September next year

"Part A" in the contest requested a list of the five most beautiful QSL cards in the listener's collection. A summary of the compiled information demonstrates statistically just which stations are regularly issuing the world's most beautiful QSL cards. In statistical order, this following list gives the stations that are highest on the list with beautiful QSL cards, together with the point score for each station:

Radio Japan NHK	Tokyo	Japan	114 points
Radio Taipei International CBS	Taipei	Taiwan	51
Radio Netherlands	Hilversum	Holland	48
Radio Australia	Melbourne	Australia	47
Radio Prague International	Prague	Czech	39
HCJB	Quito	Ecuador	32
China Radio International	Beijing	China	30
Adventist World Radio	All units	Worldwide	99

The second requirement in the contest, "Part B", required a listing of the "most wanted" stations, past & present, as far as QSLs are concerned. Again, this list is as "long as the arm and as wide as the world", with a total of more than 175 stations in 140 countries making the list. Statistically, these are the stations that made the top of the QSL "wanted list":

LRA36	Arcangel	Antarctica	65 points
BBC World Service	London	England	35
Radio St Helena	Jamestown	St Helena	33
Bhutan Broadcasting Service	Thimpu	Bhutan	32
Radio Berlin International	East Berlin	Germany	29
Radio Afghanistan	Kabul	Afghanistan	24
Radio Kiribati	Tarawa	Kiribati	24
Radio Nepal	Katmandu	Nepal	24
Radio Tanzania	Dole	Zanzibar	24
Falkland Broadcasting Service	Stanley	Falkland Is	21
AFAN	McMurdo	Antarctica	21
AWR	All units	Worldwide	52

Next September, you will be invited to give the details of your very first QSL card or letter from a shortwave broadcasting station. Full details will be announced around mid year 2002.

73, Adrian

---

---

## 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](mailto:RMonty3@worldnet.att.net).

---

---

## Calendar Of Events

**Jan 18 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: [dcscck@aol.com](mailto:dcscck@aol.com).

**Jan 18 Meeting. Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: [74007.3434@compuserve.com](mailto:74007.3434@compuserve.com). The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>

**Feb 1-4 Convention.** The North Otago branch of the **New Zealand Radio DX League** will hold the club's **2002 Convention** at Cam Iona from 3:00 PM Friday February 1 to Monday February 4. Further information is available from Paul Ormandy, 33 Greta Street, Oamaru 8901, New Zealand or [paulorm@paradise.net.nz](mailto:paulorm@paradise.net.nz) or check out the website (<http://radiodx.com/spdxr/>).

**Feb 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](mailto:~mmeece@siscom.net). For additional information about MONIX, check out their web site at <http://www.siscom.net/~mmeece/monix.html>

**Mar 8-9, 2002 Convention.** The **15<sup>th</sup> Annual Winter SWL Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin* (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 8<sup>th</sup> and 9<sup>th</sup> March 2002. Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!

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

**Aug 16-18, 2002 Convention.** The annual **European DX Council Conference** is tentatively scheduled at a camp near Pori, Finland on 16-18 August 2002. More details to follow.

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

---

---

**Congratulations to the DX Clube do Brasil on their 20<sup>th</sup> Anniversary. The club's logo is featured on this month's cover of the Journal. Many thanks to Pedro M.C. de Castro for the information.**

# Easy Listening

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

---

## Shortwave Year in Review

2001 was a tumultuous year in the world of shortwave listening; I've chosen to spend my January 2002 column by taking a broadcaster-by-broadcaster look at shortwave trends and developments observed in 2001.

## BBC World Service

Overall, 2001 had an unnerving mix of high points and low points for the world's most respected international broadcaster.

### Pros

Field newsgathering capabilities shone brightly in the immediate aftermath and follow-up to the September 11<sup>th</sup> attacks. While spoken word content continues to be available on demand at the World Service website; music and dramatic content is available live only, and cannot be downloaded on demand. Sports programming involving live event commentary, such as *Sportsworld*, continues to be blocked from webcasting.

### Cons

I don't have to think long about this one—the BBC's decision to curtail the use of shortwave to North America and Australasia was the worst development of the year. Upon further review the total impact to BBCWS audibility in North America was minor to moderate. People owning a double-conversion portable radio or better (costing \$125 or up) in the East and Midwest of North America should be able to receive the BBCWS almost as well as before July 1<sup>st</sup>.

Reasons given by the BBC for this decision seemed related primarily to "bang for

buck", or resource deployment issues—for example, needing money to support the development of new shortwave transmitters in Oman. While actual audience numbers were quoted by the BBC in drawing their comparisons, it appears the BBC is looking at the **potential** audience for their non-shortwave outlets as the upside opportunity for growth of listenership, at least in North America. After all, many more Americans are connected to the Internet—and thus have access to the BBC World Service—than are active shortwave listeners. Some might argue that the level of listenership to the BBCWS via shortwave, while growing, still could not reach as high a level as via FM or other delivery methods. Whether or not the BBC can induce this potential audience to match the commitment and enthusiasm of the BBC's shortwave audience remains to be seen.

As we have discussed before, this use of sheer numbers to compare the relative merits of one delivery method versus another fails to recognize the advantages of shortwave radio in portability, scalability, and prime-time availability.

## Outlook for 2002

Outlook for the BBCWS for 2002 on shortwave remains mixed, however the Foreign & Commonwealth Office of the British government—which funds the BBC World Service—has expressed interest in seeing how the BBC's audience has changed in the year following this decision. Those of us who continue to advocate a restoration of shortwave frequencies targeting North America will endeavor to analyze these new audience ratings once they're released, in order to challenge the BBC's interpretation of these ratings.

## Radio Netherlands

All in all, 2001 was a positive year for **Radio Netherlands**.

### Pros

Radio Netherlands defied the normal bureaucratic behavior observed from international broadcaster management and seized the opportunity to broadcast on the frequencies and times vacated by the BBC on July 1<sup>st</sup>. Radio Netherlands generated significant goodwill for itself in demonstrating its commitment to shortwave broadcasting, and was pleasantly surprised by the positive response from North American listeners. The availability of a morning broadcast was particularly welcomed, and Radio Netherlands retained four hours of former BBC transmitter time after July 15<sup>th</sup> for North American broadcasts relayed from Radio Canada International's Sackville, New Brunswick facility.

Radio Netherlands maintained its commitment to high-quality programming over the course of the year. No new programs were introduced in 2001, though some series have returned after hiatus.

### Cons

As a fan of on-demand audio offered as a complement to shortwave, it would be helpful to this harried listener if Radio Netherlands were to maintain a minimum one-week archive of each of its feature programs. As it is now, only a one-day program archive is available, although some programs are aired twice a week. Radio Netherlands has increased its on-demand program archive for particularly notable programs or series; unfortunately there's no automatic way to determine when a program in the archive first aired. This information is not consistently recorded. Radio Netherlands currently does not maintain its own audio archive, so its options for inventorying content are limited. However, the desire is clearly to provide a more extensive archive in the future. I look forward to that capability!

## Outlook for 2002

Everything I've seen and heard suggests 2002 will be another strong year for Radio Netherlands.

## Radio Australia

### Pros

Overall, **Radio Australia's** status improved in 2001, as transmissions from the mothballed Darwin transmitter site were restored after the Darwin site was sold by Radio Australia to a religious broadcaster. Only after the sale was Radio Australia able to obtain operating funds to lease transmitter time on Darwin. While some international broadcasting enthusiasts felt this approach was irrational, in that the ABC shouldn't have sold the transmitter in the first place, but this transactions probably enabled the ABC to get more value for the transmitter site than if it had retained it. I suspect it would have been politically difficult for the ABC to lease transmitter space to a religious organization. Though this transmitter site doesn't reach us well in North America, but it is very helpful for reaching East Asia, a significant target for Radio Australia.

Meanwhile, Radio Australia relaunched its website late in 2001, and indications are that most if not all programs aired over Radio Australia will soon be available for on-demand download, either from the Radio Australia site or from Radio National, the domestic network responsible for a majority of Radio Australia's programming.

### Cons

Though North America still remains a secondary target for Radio Australia, technical information on Radio Australia's shortwave broadcasts has been recently enhanced, in part to better enable North American listeners to find the right frequency at the right time.

## Outlook for 2002

Overall, my outlook for Radio Australia for 2002 is generally positive, given the increased portfolio of on-demand offerings expected to become available.

## Radio Canada International

### Pros

New themed feature programs were launched this fall as part of **Radio Canada International's** (RCI's) attempts to more better serve an international audience.

### Cons

It was a turbulent year for RCI, driven primarily by administrative changes in how RCI is managed. RCI will be more directly folded into the domestic CBC organization, resulting in a less-independent organizational structure than before. This has listeners concerned because it is feared that the CBC will siphon off funding previously earmarked specifically for RCI and dilute RCI's efforts to develop programming for an international audience.

This move has come about in part due to a lack of RCI budget adjustment when inflation is accounted for. Even though a constant dollar funding level for RCI had been promised as part of the funding agreements of the 1990's, this funding level had to be spread out over an increasing array of program delivery methods—including webcasts—and inflation also effectively reduced the reach of RCI's budget.

As part of the budget squeeze, weekend English language newscasts were suspended from June 2<sup>nd</sup>, and restored as of October 13<sup>th</sup>. During that period, newscasts from the CBC domestic Radio One service were used instead. Other English language programs were eliminated outright, and the weekly hour-long "Canada Today" program was shortened to 30 minutes, with new 30-minute feature programs added to the schedule in North America.

What one makes of the bureaucratic developments depends on one's overall attitude. A pessimist sees these moves as threatening to RCI's status; an optimist sees these moves as potentially saving more money for content and less for administration. Both optimist and pessimist would agree that anything that destabilizes RCI

and detracts from its programming would be undesirable.

### Outlook for 2002

The jury is still out on the long-range effects of these budget and bureaucracy decisions. I have sampled some of the new half-hour feature programs, and have found them to be reasonably interesting. RCI enthusiasts will need to keep pressure on Canada's Heritage Minister, Sheila Copps, to maintain accountability for RCI's funding.

## Deutsche Welle

### Pros

English language programming was maintained even though **Deutsche Welle's** (DW's) overall budget was cut significantly for 2001. There were few, if any, changes for DW's shortwave output.

### Cons

The DW website was relaunched in late November after significant reorganization; it appears DW has also installed a new enterprise software application designed for content management and program production. This same software is also used to generate content for the website. Unfortunately, the new website is organized very differently than the prior website, as the new site emphasizes repurposed dynamic text content almost as much as its audio and video content. The site is much less an information site for Deutsche Welle radio, and much more of a German information and news website. Also, it is impossible to follow the organization of the new site by the hierarchical structure of its URL; URLs are all coded in a series of numbers and commas that can't easily be figured out.

After its initial bugs, it appears most programs maintain a one-edition archive for on-demand download, but, as I type this, the on-demand link for **Newslink** refuses to come up.

### Outlook for 2002

So far, it appears funding levels are stable for Deutsche Welle, so its existing shortwave schedule is likely to continue. Hopefully this new website fiasco won't siphon off funding from audio content.

## Swiss Radio International

### Pros

**Swiss Radio International (SRI)** has added several new programs as of December 1<sup>st</sup>: *Take 2* (Saturdays) and, on alternating weeks, *Culture Zone/Out and About* (Sundays). I haven't sampled these new programs yet, so I can't really say whether these are a step up or a step down.

### Cons

SRI no longer targets North America, Europe, or Asia via shortwave; the reasons given are the usual distractions of the Internet; clearly the Swiss Broadcasting Corporation is emphasizing an increased Internet presence.

### Outlook for 2002

SRI will continue to emphasize an Internet presence more than a shortwave presence, except for those geographies where an Internet presence is not feasible: Africa and South America.

## Radio Austria International (ORF)

A similar story as Deutsche Welle: overall funding has been cut, yet a daily half hour of English language programming has been spared the axe. Earlier this year **Radio Austria International's** management was cautioning against further budget cuts; this issue appears to have subsided for now.

### Pros

Even though ORF is clearly emphasizing enhancements to its website, it still

maintains a shortwave service targeting North America. Its on-demand audio has above-average bandwidth and audio quality.

### Cons

One suspects that Radio Austria International's enhanced website has siphoned funds from shortwave transmitting and programming content.

### Outlook for 2002

Radio Austria International's budget situation will need to be watched closely; fans of ORF may wish to send letters to ORF management and to the Austrian Embassy in Washington (3524 International Court, NW, Washington, DC 20008; fax 202-895-6750).

## Feedback from December's Column

In my summary of holiday programming, I grumbled that several broadcasters didn't respond to my request for specific program details; I then stated that broadcasters shouldn't be surprised if listeners abandon them if they don't respond to requests for information. The way the comment was worded, I lumped all the offending broadcasters, including Radio Netherlands (RNW), into the clueless category. I shouldn't have been as harsh on RNW, as they are one of the more proactive broadcasters in maintaining close ties with listeners via semi-annual printed guides, weekly newsletters, participation in electronic discussion groups, and a resource-filled websites. I regret the error in wording.

Gotta run—until next month,

73 DE Richard



# Shortwave Center

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

## Shortwave Stations in Pakistan

By Adrian M. Peterson, DX Editor, Adventist World Radio

In view of the fact that the shortwave stations in Pakistan are currently a matter of radio news, let me give a list of all currently active shortwave stations in Pakistan, each of which I visited during the time we lived in Pakistan back 30 years ago. As far as is known, no new transmitters have replaced any of the older units, and only the old original shortwave transmitters are in use today. The callsigns in use for the radio stations in Pakistan are all in the AP range, with A standing for Asia and P for Pakistan. Transmitter 1 in each of the Pakistan callsigns is the local medium wave unit.

**Karachi—Southern port city, and largest city in Pakistan.** The shortwave base for Radio Pakistan Karachi is located 20 miles east of Karachi on the highway running towards Hyderabad (Sind). Two 50 kw RCA transmitters APK2 & APK3 were installed in 1948 and two 10 kw Gates units APK4 & APK5 were installed in 1955. The 50 kw transmitters are used in the regional and international services of Radio Pakistan and the 10 kw units were installed originally for the "Link Service" with Dacca in what was East Pakistan. It is unlikely that the 10 kw units are in use these days.

**Quetta—Located on the western edge of Pakistan in a mountainous area across the border 150 miles from Kandahar in Afghanistan.** The shortwave transmitter APQ2 of Radio Pakistan Quetta is located on the southeastern edge of Quetta and is co-sited with the MW facility. The single 10 kw Gates transmitter was installed in 1962 and is on the air during the day on 7170 kHz and in the morning and evening on 5025 kHz.

**Peshawar—Frontier city in the plains near the Khyber Pass en route to Afghanistan.** The shortwave transmitter APP2 is co-sited with the medium wave station and is located in Peshawar itself. The 10 kw AWA transmitter from Australia was installed in 1960 and it is currently listed on just one channel, 5045 kHz.

**Rawalpindi—Located in northern Pakistan near the foothills of the high Himalayas.** The Rawalpindi SW station APR2 is located on the western edge of Rawalpindi towards Peshawar and is co-located with the medium wave unit. The single 10 kw Gates transmitter was installed in 1962 and it is currently listed for two channels, 7335 kHz during the day and 5010 kHz morning and evening. This unit was recently re-activated. The Rawalpindi medium wave service can be heard on shortwave on 7110 kHz via a 100 kw transmitter located in the Islamabad twin facility.

**Islamabad—National capital, modern twin city with Rawalpindi, on the northern edge of Rawalpindi.** The shortwave radio station known as Radio Pakistan Islamabad is located 15 miles southeast of the twin city complex Rawalpindi-Islamabad on the Grand Trunk Road that leads to Lahore. There are two shortwave facilities located here, side by side, on the northern edge of the highway. There were 79 antenna masts on these two radio properties.

The older station was built in 1968 and housed four transmitters; one Gates at 10 kw, two RCA at 100 kw, and one Continental at 100 kw. The newer facility was constructed in 1972 and houses four SW transmitters; two BBC at 250 kw and two Russian made units at 100 kw.

The 100 kw transmitters were installed for coverage into what was then East Pakistan and for international programming. The 10 kw units have been in use for the regional Islamabad service and also for the "Link Service" as a back-up relay to other stations. All of the 100 kw and 250 kw units have been on the air for the international services from Radio Pakistan, though all units are not in use these days. One of the 100 kw transmitters is in use with a relay from Azad Kashmir Radio. The Islamabad medium wave service can be heard on 5010 kHz via a 100 kw transmitter at the Islamabad twin complex.

**Muzaffarabad—Small capital city for Azad Kashmir, administered by Pakistan, located in a wide valley in the rugged Himalayas.** Azad Kashmir Radio operates

two shortwave transmitters. The 1 kw AKR at the studio building on the upper edge of Muzaffarabad was established in 1961 and its only channel is 3665 kHz.

**Mirpur—Small town located near Islamabad radio complex.** The 100 kw Thomcast at Mirpur was established in 1997 as a high-powered relay unit for Azad Kashmir Radio. It is probable that this is the unit that is listed for 7265 kHz.

**Trarkhel—a very small village in southern Azad Kashmir.** Azad Kashmir Radio Trarkhel is in reality a 100 kw unit located at the large shortwave base, Islamabad-1, with studios in Rawalpindi. This unit is currently on the air on 4790 kHz.

## Shortwave Callsigns in Pakistan

Call	City	kw	Make	Year	Location	Service
API1	Islamabad-1	100	RCA	1968	15 miles SE	Islamabad & foreign
API2	Islamabad-1	100	RCA	1968	15 miles SE	Islamabad & foreign
API3	Islamabad-1	100	Continental	1968	15 miles SE	E Pakistan & foreign
API4	Islamabad-2	100	Russian	1974	15 miles SE	E Pakistan & foreign
API5	Islamabad-2	250	BBC	1972	15 miles SE	International
API6	Islamabad-2	250	BBC	1972	15 miles SE	International
API7	Islamabad-1	10	Gates	1968	15 miles SE	Regional
API8	Islamabad-2	100	Russian	1979	15 miles SE	International
APK2	Karachi	50	RCA	1948	20 miles E	International
APK3	Karachi	50	RCA	1948	20 miles E	International
APK4	Karachi	10	Gates	1955	20 miles E	Link Service to Dacca
APK5	Karachi	10	Gates	1965	20 miles E	Link Service to Dacca
APP2	Peshawar	10	AWA	1960	In Peshawar	Regional
APQ2	Quetta	10	Gates	1962	SE of Quetta	Regional
APR2	Rawalpindi	10	Gates	1962	Western edge	Regional
AKR	Muzaffarabad	1	Australian?	1961	Upper edge of town	Regional
AKR	Mirpur	100	Thomcast	1997	Near town	Regional
AKR	"Trarkhel"	100	Continental	1968	At Islamabad-1	Regional

# Station Profile:

## Radio Romania International

By Richard A. D'Angelo

Since the fall of the Soviet Union, broadcasting in the former eastern block countries has changed. International shortwave broadcasting has gone from a propaganda tool of a totalitarian government to an informational tool of a struggling country. Some of the change has resulted in severe financial cutbacks to shortwave radio broadcasting, as resources became scarce. Other changes have focused on the ability of shortwave broadcasters to offer a much better balance of programming fare with news, commentary and feature programs no longer reflecting the hard communist propaganda line. Radio Romania International ("RRI") is one such station that has experienced a change for the better although this country has a long way to go before it can overcome its many economic problems.

### Background

Soviet occupation following World War II led to the formation of a communist "peoples republic" in 1947 and the abdication of the king. The decades-long rule of President Nicolae Ceausescu became increasingly draconian through the 1980s. He was overthrown and executed in late 1989. Former communists dominated the government until 1996 when they were swept from power. Much economic restructuring remains to be carried out before Romania can achieve its hope of joining the European Union ("EU").

### Economy

Romania, one of the poorest countries in Central and Eastern Europe, began the transition from communism in 1989 with a largely obsolete industrial base and a pattern of output unsuited to the country's needs. Over the past decade economic restructuring has lagged behind most other countries in the region. Consequently, liv-

ing standards have continued to fall with real wages being down over 40%. Corruption too has worsened. The European Union ranks Romania last among enlargement candidates and the European Bank for Reconstruction and Development rates Romania's transition progress the region's worst. The country emerged in the year 2000 from a punishing three-year recession thanks to strong demand in EU export markets. A new government elected in November 2000 promised to promote economic reform. Bucharest hopes to receive financial and technical assistance from international financial institutions and Western governments. Negotiations over a new IMF standby agreement began early in 2001. If reform stalls, Romania's ability to borrow from both public and private sources could quickly dry up, leading to another financial crisis.

### The Station

Radio Romania International broadcasts to listener's abroad are motivated by having the country be better known worldwide and by covering events in the country that foreign media tend to ignore. This is done to foster a favorable opinion abroad about the country, a typical use of the shortwave media. RRI's mission is to make Romanian realities, the country's foreign policy and its European context better known to foreign listeners. The station broadcasts programs that reflect Romanian social, economic, political and cultural realities as well as a diversity of opinions on national and international issues on shortwave and medium wave.

Although the content of RRI programs differs depending on the language service used in broadcasts and the understanding the listener has about the country, the programs include a series of standard elements. The station's programs are broadcast in 17 languages and are targeted to densely popu-

lated areas on five continents. Radio Romania International's format is continuously changing from All News to News and Talk Shows accompanied by traditional Romanian music. Great importance is attached to the programs addressed to Romanians living overseas as a bridge for ongoing communication with their native country.

The current program schedule finds Radio Romania International broadcasting domestic and world news, reports and commentaries within its daily *Radio Newsreel*, programs and features on current events in Romania as well as music. Regular programs include *Pro Memoria* on Monday, *Business Club* on Tuesday, *Society Today* on Wednesday, *Cards On The Table* or *A Challenge for the Future* on Thursday, *A Challenge For The Future* on Friday, *The Week and World of Culture* on Saturday and *Focus* on Sunday. Other programs of interest include *Romanian Hits* on Mondays, *Youth Club* on Tuesdays, *Romanian Musicians* on Wednesdays, *Romanian Folk Music at its Best* on Fridays, *DX Mailbag* on Saturdays and *Letterbox* on Sundays.

Radio Romania International also maintains a Listeners Club. All listeners need to do is contact the station and they will put you on the club list. By sending one reception report every month for 12 months you receive the First Club Diploma. There are four diplomas including an Honorary Diploma for the fifth year of reporting and a Loyalty Diploma for the tenth year and two old timer labels.

The station encourages listeners to write even if they tune in only on an occasional basis. Remarks and suggestions about their broadcasts help the station draw a pattern of listener interest and help in making decisions about future programming decisions. According to station literature, "RRI listeners have shown an interest in the country although it does not mean they are well informed about Romania." Therefore, "Radio Romania International tries to reflect a balanced image of the country and issues important to Romania to listeners all over the world."

Radio Romania International broadcasts in English to Western Europe, Northern Europe, the USA, Canada, the Pacific area and Japan, as well as to India and Africa. Check out Mark Fine's *English Schedules* and Al Quaglieri's *Listeners Notebook* column for the latest times and frequencies for English language broadcasts from Radio Romania International. Unfortunately, the transmissions from this international broadcaster are not up to the same quality standards as many other international shortwave stations so the quality of reception will likely not be as good.

The English Service of Radio Romania International is listener friendly and encourages reception reports. They maintain a website ([www.rrl.ro](http://www.rrl.ro)). The station can be reached electronically at [rrl@rrl.ro](mailto:rrl@rrl.ro) and the English Section can be reached at [engl@rrl.ro](mailto:engl@rrl.ro). Of course, the station can also be reached through postal mail at:

Radio Romania International

The English Service

60-62 General Berthelot Street

Bucharest

Romania

Although not a true DX Target like so many of the stations featured in the Shortwave Center over the years, Radio Romania International provides an interesting perspective about life in this Eastern European country. The station is very friendly and encourages correspondence from its listeners. Give Radio Romania International a listen and remember to report your Radio Romania International logs to Wallace Tribel for the *Log Report* and those interesting QSL verifications to Sam Barto for inclusion in the *QSL Report* column. Also, remember to provide some in-depth programming analysis to Rich Cuff's *Easy Listening* column to share with other club members.

# DX Target: Jolly Roger Radio International

## Free Radio from the Emerald Isle

By Richard A. D'Angelo

The 2001-2002 DX season started off nicely in North America. There was a boom in Europirate activity during the late summer months that continued into the early fall. Consequently, a number of Europirate stations have been heard on a regular basis along the East Coast of North America making DXing a lot of fun. As the cold nights of winter close in, Europirate activity should continue to be red hot. One of those stations adding to that listening enjoyment has been Jolly Roger Radio International ("JRRI") from Ireland. Since Ireland does not have a licensed domestic or international service, either private or from the government, the only way to log and verify Ireland as a radio country today is through tuning into a Europirate transmission from the Emerald Isle. For this DX season, it looks like one of the best ways to hear and verify Ireland is by tuning in to JRRI Radio.

### Background

Joe Vincent is the DJ, founder, operator and QSL manager at JRRI. According to Joe, "We are a free radio station, we are classed as pirates of the airwaves, because we do not have a licence to broadcast on short wave. We fly the Jolly Roger flag, hence Jolly Roger Radio Ireland. In recent years we use call letters only and we are known as JRRI or simply JRR International."

Joe always had a great love for listening to radio stations back in the 1960's; especially distant ones. Sounds like a natural DXer to me! Along with his late brother, they discovered pirate radio stations such as Radio North Sea International and Radio Caroline. One night while listening to a small transistor radio in bed after Trans World Radio closed down, on came a new station, this

was Radio Geronimo. Joe was very fond of the music they played. Joe found that at Radio Geronimo "they cursed and swore just to prove that they were liberated. This was much more exciting than listening to TWR at night time. Alternative Radio was very attractive to me from this time onwards."

Shortly thereafter, numerous pirate stations began operating in Ireland. Joe's favorite station was ABC Radio on 1026 AM. According to Joe Vincent, "There were some real exciting and English DJs on ABC such as Richard Staines, Clive Derek, Dave Windsor, Andy Ellis, Dave Hunt, John Lewis and they all had a history of pirate radio, having worked on The Voice Of Peace, Radio Caroline and well known shortwave pirates as well, including Radio Zenith and Superclan Radio."

Later he was introduced to his favorite DJ Richard Staines. They began talking about shortwave radio and home made transmitters. Joe discovered that ABC Radio was on shortwave every Sunday so with a small shortwave transmitter he relayed ABC Radio from his home. Although he had great fun doing the relays, with the transmitter so close to his home, he couldn't listen for other shortwave pirates on the weekends. He then recorded his own show using the station name of Riverside Radio International. About a week or so after broadcasting he had a bundle of letters at his Waterford address. Riverside Radio International was now a new pirate station and was logged every week in the Anoraks UK newsletter. This station lasted for a few years. It was in 1988 that JRRI was formed and it has been on the airwaves on a weekly basis since then.

The station has a team of dedicated c&w DJs consisting of Ted Clark, Holland, Eddie Russell, Texas, USA, Chuck Wilson, Ireland, Bjarne Christensen, Denmark, and Big Bill

Harris, Nebo, North Carolina, USA. Also, Joe Vincent records or does live shows every week on JRRI and sometimes those go out on Riverside FM as well. The station has had many guest DJs as well down the years, including Roger Davis, Richard Staines, Richard Grahame, Johnny B., David Dew, Nicholas Sharp, Ron D. Heney etc. JRRI specializes in c&w, folk and non-mainstream music.

## The Station

JRRI was born in November, 1988. During this time all the radio stations that operated in Ireland on medium wave, FM and shortwave were closing down voluntary in the hope of obtaining a license to broadcast. Over 100 Irish pirate stations closed down but only about 20 licenses were granted. At the end of November 2001, JRRI Radio celebrated 14 years of pirate broadcasting. As well as being on shortwave every weekend, they now broadcast locally on 107 FM. The station has never had any problems with local authorities. They play mostly country and western, Irish, folk, bluegrass, Cajun and rockabilly music. Also, from time-to-time they relay radio shows by various recording groups without any advertisements, political talks, etc. Maybe this low profile has helped JRRI stay out of trouble with the authorities.

Jolly Roger Radio International operates on 6,239 kHz with a 180-watt transmitter, which was revamped in April 2001. The transmitter is home made. The station sports a new antenna as well. This combination surely is working as they report being heard on a regular basis in the U.S.A. during autumn. JRRI has a standby transmitter on 6395 kHz with just 50 watts output that is always on. They have good friends at Laser Hot Hits and Britain Radio International, which have

helped them stay on the air over the years. The station has quite an array of equipment in the studio, including several CD players, Mini Disc recorders, double tape decks and a mixer, record decks, as well as a radio scanner.

Jolly Roger Radio International is Europe's most westerly free radio station on shortwave. JRRI has been heard in seven continents direct from Ireland. Thanks to pirate broadcaster friends in Europe, North and South America, as well as the pacific region for various relays on shortwave and FM, JRRI has been heard around the world. The station will gladly facilitate relays of other free radio stations at any time. Over the years, JRRI has had a selection of colorful QSL cards with listeners having a chance of getting a different one for various reception reports. The station is very friendly and responds to listener reception reports. You can contact its operator, Joe Vincent, at:

JRRI  
Post Box 39  
Waterford  
IRELAND

You can also e-mail the JRRI Radio at:

[jr\\_radio@hotmail.com](mailto:jr_radio@hotmail.com)

Remember to send in those Jolly Roger Radio International logs to the Chris Lobdell for the *Pirate Radio Report* and those interesting QSL verifications to Sam Barto for inclusion in the *QSL Report* column. Good luck with this DX Target.

**Note from the Editor: Don't let Rich have all the fun. Write your own articles and send them in.**



---

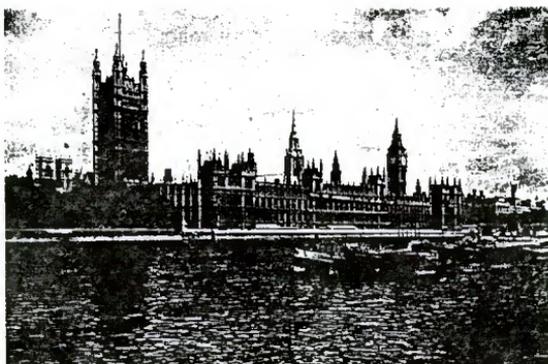
**FOR SALE:** "WRTH '97, \$11, 2000 \$19, 2001 \$21. Complete NASWA Journals '99 \$16; 2000 \$18. Perry Ferrell's Guides: RTTY Freqs. 2nd Edit. \$5; Confidential Freq. Lists, 5th edit. \$6; 6th edit. \$11; 7th edit. \$13. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann 389 Laurel Heights Lane, Tryon, NC 28782-6643. E-mail [aldreh@aol.net](mailto:aldreh@aol.net) Phone 828 894-3398. No collect calls, please

## Then and Now

Let me introduce myself. I am Gary R. Neal and have been appointed NASWA's fifth Awards Manager. It is my responsibility to facilitate this program. Please feel free to contact me with your questions, concerns and suggestions how to make the program better.

Then was 1971. I was a 16 year old Eagle Scout attending the 13th World Boy Scout Jamboree in Japan. I had been listening to distant radio stations on AM and bought my first short-wave radio at the Trading Post. It was a bulky battery powered analog unit with 4 bands: MW, SW1, SW2 and SW3 switch selectable. There was no side band capability. Passport to World Band Radio did not exist. It was a brand new world out there moving the dial and seeing what I could here. The BBC at Bush House actually responded to QSL requests and sent out no data cards.

radio of choice is a Grundig Yacht Boy 400 with a 25 foot inside wire antenna. My good luck with hearing the world shows that our hobby does not require spending a fortune to make some really good catches.



There has been some controversy over the location of Radiodiffusion Télévision Marocaine. Passport to World Band Radio lists it as Brieche and the station engineer lists it as Tangier. Don Jensen, Head of the Country List Committee provides the answer. The station is located on land reclaimed from the sea in present day Tangier. However it is located outside of the internationally administered city of Tangier. It should be classified as Morocco - French (French Morocco). Now Morocco - Tangier (Tangier) is an inactive country.

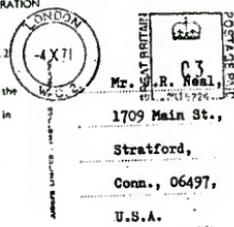
THE BRITISH BROADCASTING CORPORATION  
BUSH HOUSE  
STRAEND  
LONDON W.C.2

Thank you for your report upon the reception of our transmissions which is in accordance with our schedule.

I hope that you will continue to enjoy our programmes.

Yours sincerely,

*D. A. V. Neal*  
Chief Engineer, External Broadcasting



1709 Main St.,  
Stratford,  
Conn., 06497,  
U.S.A.

Now is 1996 to the present. My first short-wave radio was stolen in the late 1970's and I now decided to reenter the hobby. My

Until next time. 73.



# Listener's Notebook

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

**COPYRIGHT NOTICE** Items credited to BBCM are copyright by the BBC Monitoring Service and may not be reproduced without BBCM permission.

**AFGHANISTAN US PsyOps Information Radio** continues to be observed by BBC Monitoring broadcasting in Pashto and Dari to Afghanistan. On Friday 14 December, the broadcasts were heard from 0030-0530 and 1130-1500. Information Radio is heard on 8700 kHz upper sideband mode and at times on the former Kandahar mediumwave frequency of 864 kHz. A third announced channel of 1107 kHz (former Kabul frequency) has not yet been observed by BBC Monitoring. The 864, 980 (reportedly a relay of Voice of America) and 1107 kHz channels are believed to be broadcast from US PsyOps "Commando Solo" EC-130 aircraft. (BBCM/DX Listening Digest/Hauser-OK)

**AUSTRALIA** This is the current schedule for the transmitters operated by "Voice International" at Darwin, updated to reflect changes introduced on Nov 5, as supplied by the station:

7170	2030-2200 CVI
11935	2030-2130 CVI, 2130-2330 RA BI, 2330-0000 CVI
13620	2200-0000 RA English
17645	0130-0700 CVI
17775	0000-0130 RA English
17820	0700-0800 CVI
21680	0000-0030 RA BI, 0030-0400 CVI, 0400-0430 RA BI, 0430-0500 CVI, 0500-0530 RA BI, 0530-0800 CVI

Only two of the six transmitters are on the at any one time, due to technical limitations at the facility. The CVI program feed to Darwin is via satellite, carrying the African En sce for 11 hrs daily. It is proposed that full 24-hrs operation will be introduced in due course, with local content. (Bob Padula-Vic-AUS, edxp Nov 28/BC-DX/Bueschel-GER)

**BOLIVIA** It seems *Radio Mosoj Chaski* has expanded its broadcast on 3310 kHz with at least one extra hour in the morning and in the evening. ILG lists Radio Mosoj Chaski as transmitting from 0900-1200 in the morning and 2200-0100 at night, but they now have transmissions starting at 0800 in the morning and ending at 0200 at night. This should provide DXers with better opportunities of catching this Bolivian station. (Rik van Riel, Brazil/DX Listening Digest/Hauser-OK)

4600.33 *Radio Perla del Acre*, Cobija. Nov 20 2001—cd 0102\*. Reactivated, first time for me here in Quito. M dj and ID by W: "Estan escuchando Radio Perla del Acre 91.1..." Greetings and music. Sched-

ule 1100-0100 UT (Bjorn Malm, Quito, Ecuador, SW Bulletin Dec 2, translated by Nilsson/DX Listening Digest/Hauser-OK)

**BRAZIL** 5024.92, Nov 25 at 0714: The following ID has been heard: "Radio FM Vale do Xing 93 punto um, Altamira, Estado do Para." When I checked my recording from Nov 10 it turns out to be exactly the same ID which I at that time noted as "Radio Nova"—not a single letter correct! Now it is only left to find out the address for the station. QSA 2 (Christer Brunstrom, Sweden, SW Bulletin Dec 2, translated by Nilsson/DX Listening Digest/Hauser-OK)

**BURKINA FASO** 5030 *Radio Burkina*; Ouagadougou, 1923-1946, Strong signal on this new freq. No trace of them on old 4815. Afropop. At 1930 time-check and ID by male in French, followed by drums. Talk with regular mention of Ouagadougou, at 1941 followed again by drums and Afropop. At 1945 time-check and ID again. (Mark Veldhuis-HOL, Cumbre Dec 11/BC-DX/Bueschel-GER)

**CANADA RCI** frequency changes as of 11/28/01:

2000-2059	French	11925 (ex-12015)
2015-2044	Arabic	9615 (ex-9805)
2100-2129	Arabic	5995 (ex-11945)
2100-2159	English	9770 (ex-5995) + ADD 12015

(via John Norfolk, Nov 29/DX Listening Digest/Hauser-OK)

**CHILE** New is *Radio Parinacota* on 6010. The station transmitters 24 hrs a day from Putre in the I Region (northernmost Chile) // 94.5 FM. From 0400-0800 it relays Radio Cooperativa from Santiago via satellite. (Not stated, but I would guess that is UTC time since that would be the middle of the night at the station.) station address is Casilla 82, Arica, Chile. (Don Moore, ConDig via DXplorer Nov 30/BC-DX/Bueschel-GER)

**CHINA China Radio International** uses relay stations in Canada, France, French Guiana, Russia, Spain, Cuba and Mali

0000-0030	Hakka	6140 9460 9550 11945
		15100 15260 15400
0000-0030	Portuguese	11850
0000-0100	Mandarin	13680
0000-0100	Russian	9870 11770
0000-0100	Spanish	7160 11650 15210
0030-0100	Chaozhou	6140 9460 9550 11945
		15100 15260 15400

0030-0100	Portuguese	7245 9365 11850	1400-1500	English	7405 9700 11675 11765
0100-0200	English	9580 9790			13650 13685 15125
0100-0200	Spanish	11650			17720
0200-0300	Mandarin	9690 15435	1400-1500	Mongolian	7255 9870
0200-0300	Spanish	11650 13685	1400-1500	Sinhala	11900 15145
0300-0400	English	9690	1400-1500	Tamil	9590 9635 11575
0300-0400	Mandarin	9720	1430-1500	Tagalog/En	12110
0300-0400	Russian	15435 17115 17710	1430-1530	Lao	6140 7360 9675
		17740	1500-1530	Nepali	7215 9535
0300-0400	Spanish	9560	1500-1530	Pashto	6165 9665 11880
0400-0500	English	9730	1500-1530	Persian	6165 11750
0500-0600	English	9560	1500-1600	Bengali	11810 15300
0830-0900	Hausa	7170	1500-1600	English	7160 7405 9785 13685
0830-0930	Indonesian	15135 17680 17735			15125 17720
0900-1000	Mandarin	6010 6165 7360 11700	1500-1600	Mandarin	7180 7265
		11875 11975 15110	1500-1600	Russian	6180 7245 7255 9765
		15250 15340 15440			9870
		17785	1500-1700	Hindi	7235 9690
0900-1100	English	11730 15210	1530-1600	Nepali	7215 7865 9535
0930-1030	Malay	15135 17680	1530-1600	Pashto	9665 11880
0930-1530	Japanese	7190 9855	1600-1630	Turkish	6165 11685
1000-1100	Cantonese	6010 11875 15440 17755	1600-1700	Arabic	6150 7130 11845 13685
1000-1100	Mandarin	7360 15250 15340 17785			15125 17880
1000-1100	Russian	5145 5850 7255 7820	1600-1700	English	7190 13650
		9695	1600-1700	Hakka	9770 11825
1030-1130	Cambodian	15165 17680	1600-1700	Russian	5965 6040 7265 9605
1030-1130	Indonesian	11700 15135			9765 9885
1100-1130	Esperanto	7150 7170	1600-1700	Swahili	11600 12000
1100-1200	Cantonese	9590 11875 15340 17785	1600-1700	Urdu	7175
1100-1200	Mongolian	5145 5850	1600-1700	Vietnamese	6010 7360
1100-1200	Russian	7110 7255 7820	1700-1730	Swahili	12000 13685 15125
1100-1300	Korean	5965	1700-1800	Cantonese	7220 9770
1100-1600	Vietnamese	9550	1700-1800	English	7150 9570 9670 9695
1130-1200	Burmese	9880			11910
1130-1200	Tagalog/En	11700	1700-1800	Russian	5965 6040 7245 7265
1130-1230	Thai	7360 9785			9365 9605 9765 9795
1200-1230	Tagalog/En	11700 12110			9885
1200-1300	Cambodian	9440 17680	1730-1800	Hausa	13685 15550
1200-1300	Cantonese	11855	1730-1830	Mandarin	6135 7120 7160 7315
1200-1300	English	9705 9730 9760 11760			9645 9685 9745
		11980 15415	1800-1830	Hausa	7190 13685 15550
1200-1300	Mandarin	9570 11875 15260 15320	1800-1830	Hungarian	6020 7265 9860
		15340 17785	1800-1830	Persian	7130 7140 7215 9550
					9670
1200-1300	Mongolian	5145 5850 7255 9870	1800-1900	German	5970 9620
1230-1330	Lao	6140 7360 9785	1800-1900	Russian	6040 7245 9365 9535
1230-1330	Malay	11955 15135			9605 9765 9795
1300-1330	Esperanto	11650 15210	1830-1900	Bulgarian	6020 7265 9860
1300-1400	Burmese	9880 11780	1830-1900	Italian	7110 9945
1300-1400	English	9570 11760 11900 11980	1830-1900	Persian	7140 9670 9785
		13650 15180	1830-1930	Arabic	7200 7315 13685 15550
1300-1400	French	13685 17880	1830-1930	French	6135 7120 7190 9645
1300-1400	Mandarin	9440 11875 15260 15340	1900-1930	Albanian	7265 9965
		17785	1900-1930	Czech	6020 7150
1300-1400	Russian	5145 5850 7255 7820	1900-1930	Portuguese	7180 9535
		9870	1900-1930	Romanian	7305 9860 13650
1300-1500	Korean	5965	1900-1930	Turkish	7215 9785
1330-1430	Indonesian	11955 15135	1900-2000	Cantonese	7225 9765
1330-1430	Thai	6140 7360 9785	1900-2000	English	9440 9585 13790
1400-1430	Turkish	6165 9535	1900-2000	German	5970 11650
1400-1500	Amoy	11650 15340	1900-2000	Russian	7245 9365 9605 9795
1400-1500	Cambodian	15180 17710			

1930-2000	Albanian	7110 9965	4330	Xinjiang Kazakh 0000-0325, 1205-1800 (// 6015, 7340, 9470 at various times)
1930-2000	Czech	7305 9585	4500	Xinjiang Mongolian/Kirghiz 0000 1700 (// 6190, 7120, 9705 at various times)
1930-2000	Portuguese	7235 7265 11735 15500	4735	Xinjiang remains silent
1930-2000	Romanian	6020 9860 13650	4750	Qinghai Ch 2220 1605 (?), // on 6145 (evenings), 6260
1930-2030	French	6135 7120 7190 7315 9645	4750	Unknown with CNR relays 2000-1730, buzzy and unstable carrier, may be Tibet and may have own programs at times, but not confirmed
2000-2030	Esperanto	6150 7110 7265 9965	4800	CNR-1 2000-??, 1300-1730, strong signal
2000-2030	Polish	6020 6150 7150	4820	Tibet Ch (// 5935, 6050)
2000-2030	Serbo-Croat	7180 9365	4905	Tibet Tibetan 2250 1700 (// 4920, 5240, 6110, 6130, 6200, 7385, 9490)
2000-2100	English	5965 9440 9840 13640 15125	4920	Tibet Tibetan 2250 1700, presumed to be a separate site from
2000-2100	Mandarin	7225 7245 7660 9685 9765	4905	as one of them sometimes has a satellite feed
2000-2100	Russian	7255 9605 9795	4980	Xinjiang Uighur 0000 1800 // 3990 (and 6120, 7195, 7285, 9560, 13670 at various times)
2030-2100	Bulgarian	6150 7180	5060	Xinjiang Ch 0000 1700 // 3950 (and 5960, 7155, 7310, 11700 at various times)
2030-2100	Hungarian	6020 9365	5240	Tibet Tibetan 2250 1700, site as 4905
2030-2100	Italian	7265 9965	5440	Xinjiang is silent
2030-2100	Polish	7110 7150	5800	Xinjiang is silent.
2030-2130	French	6135 7120 7160 7215 9560		(Ole Alm-SWE, BC-DX Dec 2)
2100-2130	Albanian	6150		
2100-2130	English	5965 9840 9845 13640 15125		
2100-2130	Italian	9365 9610 9965		
2100-2130	Serbo-Croat	7110 7180		
2100-2200	Arabic	7260 9685 9765		
2100-2200	Spanish	6020 9640		
2130-2200	English	5965 9840		
2130-2200	Hungarian	6150 7120		
2130-2230	French	6135 7110 7190 9560 11975 15500		
2200-2230	Portuguese	5965 7245		
2200-2300	English	7170		
2200-2300	Spanish	6020 6150 7120 9640		
2230-2300	Esperanto	9860 11700		
2230-2300	Mandarin	6140 7180 9460 9550 11945 15100 15260 15400 15500		
2300-2330	Mandarin	6140 7170 9460 9550 11945 11975 15100 15260 15400		
2300-2400	English	5990 13680		
2300-2400	Russian	4815 5995		
2300-2400	Spanish	7160 7245		
2330-2400	Cantonese	6140 9460 9550 11945 15100 15260 15400		
2330-2400	Mandarin	7170 11975		

(BBCM + R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

Recent changes/additions to Ch stations in the tropical bands:

3950	Xinjiang Ch 0000 1800 (not necessarily continuous)
3960	Xinjiang remains silent 3985 CNR-2 2100 1600
3990	Xinjiang Uighur 0000 1800
3990	Unknown (Qinghai?) in Tibetan, 2300 1400, // on 5969.6, 7130
4035	Tibet remains silent
4220	Xinjiang remains silent

The Chinese authorities have put into operation what appears to be a new very high-powered HF facility, at an unknown location.

Various freqs are being used, mainly in the 19, 16 and 13 mbs, carrying CNR or CNR2 programming. The broadcasts are believed to be test transmissions, and are on the air to an irregular schedule, with some operations of only a few mins duration, others of an hour or longer.

On Dec-01 and Dec-02, these transmissions were audible here in Melbourne as follows:

15665	CNR1	0800-0900
17605	CNR1	0800-1000
17850	CNR1	0900-1000
21470	CNR1	0800-1000
21540	CNR1	0800-1100
21550	CNR2	0400-1200
21705	CNR1	*0855-1100

At times, CNR1 programming has been substituted by CNR2 output.

Freq usage appears to be uncoordinated with the ITU or ABU-HFC, with some transmissions causing extreme co-channel interference to authorized users. (Bob Padula-AUS, edxp Dec 3/BC-DX/Bueschel-GER)

A new provincial station commenced SW broadcasting in early Dec. It is the *Yushu Peoples' Broadcasting Station* in Qinghai. The initial schedule is for four hrs and ten mins daily, using 6075, carrying

Tibetan programs, including a relay of CNR-1, 2255-0100 and 1025-1230. The CNR-1 relay is 1135-1230).

The **Xizang Autonomous Region [Tibet] Broadcasting Station** has this new monitored schedule, from Lhasa:

0000-1400	Chinese	11695
1400-1730	Chinese	7550
2000-0000	Chinese	7550
2000-1730	Chinese	4820 5935 6050 7170 11950

Relays of CNR1: 2005-2100, 2200-2340, 0030-0100 and 1030-1100 Relays of CNR2: 2105-2200 Relays of CNR3: 1130-1200

0950-1700	Tibetan	9490 7125 7385 6200 5240
		4920 4905 9500 1300-1700
		11740 7150

2250-0730	Tibetan	9490 7125 7385 6200 5240
		4920 4905 9500 1300-1700
		11740 7150

Relays of CNR8: 2300-2357, 0400-0457, 0800-0857 and 1300-1357.

The **Xinjiang Peoples Broadcasting Station** (Urumqi) has this new monitored schedule. The full freq usage has not yet been confirmed, but has been monitored as follows:

0000-????	Kyrgyz	4500
0000-0330	Mongolian	(freqs not available)
0000-0800	Uighur	4980 9355 9530 9560 13670
????-1100	Chinese	11770
????-1200	Kazakh	7340 9470
????-1230	Uighur	7275
????-1300	Chinese	7155
????-1300	Kyrgyz	7230
????-1300	Uighur	11885
0000-1800	Chinese	3950 5060 5960 9355 9600

0000-1800	Kyrgyz	6190 7120
0330-0530	Kyrgyz	(freq not available)
0530-1030	Mongolian	(freqs not available)
0800-1200	Uighur	4980 9355 9530 9560
1030-1230	Kyrgyz	9705
1100-1800	Chinese	7310
1200-1230	Uighur	4980 6120 9355 9530 9560
1204-1800	Kazakh	4330 6015
1230-1300	Uighur	3990 4980 6120 9355 9530
		9560
1230-1800	Mongolian	(freqs not available)
1300-1800	Kyrgyz	4500
1300-1800	Uighur	3990 4980 6120 7195 9355
		9530 9560

The **Qinghai Peoples Broadcasting Station**, new monitored schedules:

2220-????	Chinese	4750 6260 6145
2225-????	Tibetan	4220 6500
0925-1505	Chinese	4750 6260 6145
1055-1540	Tibetan	4220 6500

(Nagoya DX Circle/BC-DX/Bueschel-GER)

Latest schedule of **Nei Menggu Radio Station**:

0120-0800	Mongolian	7210 7270 9750
0120-0900	Chinese	7105 7165 9520
0800-0830	Mongolian	7270
0805-1605	Mongolian	4525 4785 6195
0905-1605	Chinese	4000 4620 6045
2150-0115	Chinese	4000 4620 6045
2150-0115	Mongolian	4525 4785 6195

(Nagoya DXers Circle, edxp Dec 16/BC-DX/Bueschel-GER)

**CLANDESTINE—ASIA** Tamil Clandestine Radio Stations, latest frequency details.

**IBC-International Broadcasting Corporation** TAMIL freq 7460 at 0000-0100, freq 17485 [not 17495] at 1500-1530.

**Tamil Broadcasting Corporation** London freq 21590 time 1230-1330. [via Juelich].

**Voice of Tigers—Tamil Eelam** freq 7460 time 0100-0230. (D. Prabakaran-Mettupalayam-CLN Nov 12, in GRDX-ML, via CRW Nov 20/BC-DX/Bueschel-GER)

**CLANDESTINE—MIDDLE EAST** **Radio Voice of Afghanistan** Test transmissions from this radio station were first reported on 17 November 2001. Its official launch was announced at a press conference in London on 27 November 2001.

A press release from the station on 27 November stated that "The new radio station is the voice of moderate Afghan political opinion and broadcasts news, comment, interviews and music in both the Pashto and Farsi [Persian/Dari] languages. The London-based team of Afghan journalists are producing one hour a day of output to start the service and this will quickly build to four hours a day over the next few weeks."

The press release added that "Voice of Afghanistan is a project conceived and created by Said Jalal Karim [earlier reports had given his name as Sayd Jalal Afghan], a 32-year old successful businessman born in Afghanistan and now based in Saudi Arabia...the Said Jalal Foundation funds the operation of the new radio station through a non-profit making organization, the Afghan Broadcasting Company."

The radio identifies as "Radio Voice of Afghanistan" (Dari: "Radio Sada-e Afghanistan," Pashto: "Da Afghanistan Ghaq Radio").

The radio is believed to broadcast via a hired shortwave relay transmitter in the former Soviet Union.

1330-1430	Dari/Pashto	9950
-----------	-------------	------

(BBCM)

The website and email addresses are not up yet, but it is to be [www.afghanbroadcasting.net](http://www.afghanbroadcasting.net) Their postal address is: Afghan Broadcasting Company, 21 Worship Street, London, UK EC2A 2DW. They don't have QSLs yet, but will make one and issue it for reception reports. They plan to expand as follows: 2 hours a day starting January 1st with an idea of signing on at 1230 instead of 1330. 3 hours a day in February and 4 hours at a yet undetermined date. They plan to air this all on 9950 kHz as long as the frequency holds up. The consultant said that 9950 is providing good reception into Afghanistan right now. (via Johnson Nov 28/Cumbre)

Note new contact details: The station's postal address is: Afghan Broadcasting Company, P O Box 36467, London, UK EC2A 2YF. Since 2 December, the station has also announced a contact address in Kabul: Post Box 5459, Kabul. Radio Voice of Afghanistan can be contacted by telephone on +44 (0)207 382 9610 or by e-mail at [afbc9950@hotmail.com](mailto:afbc9950@hotmail.com). The contact for press enquiries is Alex Longson. (BBCM/DX Listening Digest/Hauser-OK)

**CYPRUS (TURKISH)** 6149.95 *Bayrak RTV* is back on the air from 0430-2200. (various) 2157 Daily since Dec. 15 after CRI/France goes off. Pop tunes sometimes audible, then Turkish national anthem and s/off at 2201. Usually Brazil covers most of the channel with Bayrak 10-20 Hz lower, but the ZY was absent on Dec. 21, leaving Bayrak in the clear with announcement by woman in Turkish at 2159 (unintelligible because of distorted speech audio), then anthem and off. (Hill-MA)

**DENMARK** *Radio Denmark* all via Radio Norway transmitters

0030-0055	Danish	7470 7490
0130-0155	Danish	7470 7495 9945
0230-0255	Danish	7470 7490 9590
0330-0355	Danish	7465 7490 9945
0430-0455	Danish	7465 9490 9945
0530-0555	Danish	5960 7490
0630-0655	Danish	5945 7180 9590 13800
0730-0755	Danish	7180 9590
0830-0855	Danish	13800 15705
0930-0955	Danish	13800 15705 18950
1030-1055	Danish	13800 21765
1130-1155	Danish	13800 21765
1230-1255	Danish	12070 13800 15735 18950
1330-1355	Danish	9590 13800 15735 18950
1430-1455	Danish	13800 17525
1530-1555	Danish	13800 15735 17525
1630-1655	Danish	7490 13800 18950
1730-1755	Danish	7490 9980 13800 18950
1830-1855	Danish	9490 9980 13800 15705
1930-1955	Danish	7490 9980 13800
2030-2055	Danish	7490 9510
2130-2155	Danish	7490 9510
2230-2255	Danish	7465 9530
2330-2355	Danish	7390 7465 7490 9480

(BBCM)

**ECUADOR** 3380.07 *C.R.I. Centro Radiofonico de Imbabura*, Ibarra. Dec 8, 2001—0000. Must be new on shortwave, correct me if I am wrong. Has been on air a few times during the last week with "semi religious" programs, which made believe that it was Radio Chortis (Guatemala) and lazy as I am, I didn't wait for the ID! This date they had instead non-stop cumbia-music program called "Al aire" which ended 0005 UTC when the ID also came as a total surprise: "Escuchan C.R.I. Centro Radiofonico de Imbabura transmitiendo en 1230 kilociclos desde la ciudad de Ibarra." Jingle: "C.R.I. Radio—la diferencia en radiocomunicacion." (Malm translation by Nilsson Dec 9/Cumbre/Johnson)

**FRANCE** A new *RFI* broadcast in Persian: 1600-1630 11665 and 13580. Added to a regular Persian service, which is on the air at 1800-1855 7350 and 9430. At mid-Dec RFI plans to begin broadcasts in Pushtu/Dari/Urdu at 1630-1700. Probable freqs are 11665 and 13580, which carry French service at present. (Sergei Alekseichik-BLR,—Ivo Ivanov's DX-MIX, DXsignal/BC-DX/Bueschel-GER)

**GERMANY** *Deutsche Welle*, sites not listed (why we'll miss BBCM, Part VII)

0000-0100	Russian	11695 11965 15600
0000-0200	German	3995 6075 6100 7130 9545 12000 12015 12045 13750 13780 15410
0100-0145	English	6040 6145 9640 9700 9765
0100-0150	Bengali	7285 9615 9720 11965
0100-0200	Russian	6035 7285 9690
0200-0245	English	7285 9615 9765 11965
0200-0400	German	3995 6075 6100 6145 7130 9870 15205
0300-0345	English	6020 6045 9640 9700 11985
0300-0400	Swahili	6015 7195 9565 9710
0400-0445	English	6015 7195 9565 9710
0400-0500	German	3995 6075 6100 6145 7225 9545 9735 11805
0400-0500	Russian	6055 7145 7235
0500-0515	French	9565 9875 11785
0500-0545	English	5960 6120 9670 11795
0500-0600	German	3995 6075 6100 6145 9545 9735 11805
0515-0530	Portuguese	9565 9875 11785
0530-0600	Ukrainian	5980 7200
0530-0630	Russian	7155 9775
0600-0630	Bulgarian	6045 7195
0600-0645	English	7225 9565 11785
0600-0800	German	6075 9545 9690 9735 11795 11865 11985 13780 21640 21840
0600-1900	English	6140
0630-0700	Turkish	9850 11680
0645-0700	Albanian	6045 7195
0700-0715	Bosnian	6045 7195
0700-0730	Hausa	11810 15135 17860
0715-0730	Serbian	6045 7195
0730-0800	Macedonian	7195 9770

0800-0900	German	3995 6075 9545 9690 9735 11795 11865 13780 21640 21840 25740	1630-1700	Macedonian	13615 15470
0830-0900	Albanian	9640 11905	1700-1730	Urdu	9495 15335
0900-0915	Dari	15525 17810 21790	1700-1800	French	9735 13645 15145 15275 15410
0900-0930	Croatian	9640 11905	1700-1800	German	6075 9545 9655 11795 13720 13780
0900-0945	English	6160 7300 11785 15410 17800 17820 17845 17860 21560	1700-1800	Serbian	6130 15470
0900-1000	German	3995 6075 9545 9690 9735 11795 11865 13780 15135 21640 21840 25740	1730-1745	Dari	9495 15335
0915-0930	Pashto	15525 17810 21790	1730-1800	Polish	3995 7240
0930-1030	Romanian	11615 13790	1745-1800	Pashto	9495 15335
1000-1030	Macedonian	9640 11905	1800-1830	English	3995
1000-1030	Persian	17810 17860 21640	1800-1900	Hausa	11765 11810 15275
1000-1050	Swahili	9565 11785 15410 21560	1800-1900	Persian	5935 5965 15360
1000-1200	German	5905 6075 7400 9545 13780 13810 15135 17845 21790 21840 25740	1800-2000	German	6075 9545 9735 11795 12045 17860
1030-1055	Mandarin	6205 9760 15145 17820 21640	1830-1900	Turkish	3995 6130 11885
1030-1100	Serbian	9640 11905	1900-1930	English	3995
1030-1130	Bulgarian	11615 13790	1900-1945	English	11765 11810 13780 15275 15390 17810
1100-1145	English	15410 17800 21780	1900-2100	Russian	5980 7145 9715
1200-1230	Albanian	7175 9770	1900-2130	Arabic	6130 7350 9495
1200-1250	Indonesian	15330 17820 21650	1930-2000	Bosnian	3995 9705
1200-1300	French	15360 15410 17660 17800 21665	2000-2030	Macedonian	6100
1200-1300	Romanian	11615 13790	2000-2045	English	6180
1200-1400	German	5905 6075 7400 9480 9545 13780 13810 15135 17570 17650 17730 17765 17845 21790 21840 25740	2000-2050	Portuguese	9875 11615 11895 17560 3995 6075 9545 9735 11795 12045 17810 17860
1230-1330	Bosnian	7175 9770	2000-2200	German	7245 9705 9615 9690 9765 15275 15410 17560 17835
1300-1330	Polish	7130 9700	2100-2115	Serbian	7245 9705
1300-1350	Hausa	15410 17800 21665	2100-2145	English	15410 17560 17835
1300-1350	Mandarin	6225 13790 15330 17820	2115-2130	Albanian	7245 9705
1330-1400	Croatian	7175 9770	2200-2250	Indonesian	7240 9505 9690
1330-1400	Dari	17835 21590	2200-2400	German	3995 5925 6075 9545 9610 9715 12000 12045 13615 13780 15250 15410 17860
1400-1420	Pashto	17835 21590	2300-2345	English	9470 9815 13690 21790
1400-1430	Bulgarian	13640 17570	2300-2350	Mandarin	5905 6090 9570 9580 9690 (BBCM)
1400-1430	Macedonian	7175 9770			
1400-1450	Amharic	9735 11810 21840			
1400-1600	German	6075 9480 9545 9655 13720 13780 15275 15515 17730 17765			
1430-1500	Turkish	13640 15360			
1430-1515	Urdu	6170 7225 13605			
1430-1530	Serbian	7175 9770			
1500-1600	Russian	5945 5980 7145 9715			
1500-1600	Swahili	9735 15455 21840			
1500-1700	French	12035 15145 17660 21780			
1515-1600	Hindi	6170 7225 13605			
1530-1630	Albanian	15470 17835			
1600-1645	English	6170 7225 9735 11695 13605 15455 21840			
1600-1700	German	6075 9545 9655 11795 13720 13780 15515 17730 17765			
1600-1900	Russian	5945 5980 7145 9715			

Deutsche Telekom Winter B-01 schedule:

**Voice of Hope/High Adventure Ministries:**

0700-0900	5975J	Various
0700-1200	21590J	Various
1200-1600	15715J	Various
1330-1430	15675J	Vietnamese
1330-1530	15775J	Various
1600-1700	15715J	Amharic
1700-1900	9815J	Various
1700-2000	9405J	Tagalog

**VRT/Radio Vlaanderen Internationaal:**

0600-0755	13685J	Dutch
0800-0825	5985J	English
1830-1955	13710J	English/Dutch
1900-2055	5910J	Dutch (Sa)

**RTBF:**

0400-0600	9490J	French (Mo-Fr)
0530-0600	9490J	French (Sa/Su)
0600-0815	17580J	French (Mo-Fr)
0600-0905	17580J	French (Su)

0600-1100 17580J French (Sa)  
 1100-1305 21565J French (Mo-Fr)  
 1100-1215 21565J French (Sa)  
 1200-1215 21565J French (Su)  
 1600-1815 17570J French (Su-Fr)  
 1700-1815 17570J French (Sa)

**SRI:**

0600-0800 9885J Fr/Ge/It/En  
 0600-0800 13635J En/It/Ge/Fr  
 1630-1815 9605J It/Ar/En/Fr  
 1630-1815 13790J It/Ar/En/Fr  
 1830-2130 9605J It/Ar/En/Ge/Fr  
 1830-2130 15485J It/Ar/En/Ge/Fr

**Hrvatska Radio/Voice of Croatia:**

0000-0200 9925J Croatian  
 0200-0400 9925J Croatian  
 0400-0600 9885J Croatian  
 0400-0600 9925J Croatian  
 0600-0800 9470J Croatian  
 0800-1000 13820J Croatian

**United Methodist Church:**

0400-0600 9535J French  
 0400-0600 11645J French  
 1700-1900 11735J English  
 1700-1900 13820J English

**WSHB/Christian Science Monitor:**

1000-1100 5985J German (Su)

**Evangeliumsradio Hamburg:**

1000-1100 6045J German (Su)  
 1830-1900 6015W German (We)

**Universelles Leben**

0100-0130 9435J English (Su)  
 1600-1630 15530J French (Su)  
 1730-1800 6015J German (Tu/We/Th)  
 1800-1830 11840J English (Su)

**TWR/Trans World Radio:**

1130-1200 7340J Slovak (Sa)  
 1330-1345 5945J Croatian/Slovenian  
 1700-1745 5960J Romanian (Sa)  
 1700-1745 7315N Romanian (Sa)

**AWR/Adventist World Radio:**

0500-0600 9885J Bulgarian  
 0600-0730 11905J Arabic/French  
 1000-1100 15195J Italian (Sa/Su)  
 1700-1800 5840J Romanian  
 1800-1900 12015J Bulgarian  
 1900-2030 11845J Arabic/French

**WYFR/Family Radio:**

1600-1800 13855J Various  
 1700-1900 9470J Russian  
 1800-2100 13855J Various  
 1900-2000 11925J Various

**Brother Stair/TOM:**

1330-1730 6110J English  
 1400-1600 13810J English

**IBRA Radio:**

2230-2330 9405J Arabic

**Radio Reveil Paroles de Vie:**

1830-1900 11840J French (Th)

**FEBC:**

1800-1830 11720W Tagalog (Th/Fr)

**Voice of Democratic Path of Ethiopian Unity:**

0700-0800 21550J Amharic (Su)  
 1900-2000 11840J Amharic (We)

**Radio Rainbow:**

0900-1000 6180J Amharic (Su)  
 1900-2000 11840J Amharic (Fr)

**Voice of Ethiopian Salvation:**

1600-1700 15670N Amharic (Th/Su)

**Voice of Democratic Eritrea:**

1500-1600 5925J Tigrina (Sa)  
 1700-1800 15670N Tigrina (Mo/Th)

**Radio Huriyo:**

1630-1700 15530N Somali (Tu/Fr)

**Voice of Oromo Liberation (Sagalee Bilisum-maa Oromoo):**

1700-1800 15715N Oromo/Amharic (We/Fr/Su)

**Radio Ecclesia:**

0500-0600 11795J Portuguese  
 1800-1900 13810J Portuguese  
 1900-2130 13810J Portuguese (Sa)

**Tamil Broadcasting Corporation:**

1230-1330 21590J Tamil

**Democratic Voice of Burma:**

1455-1530 17805J Burmese  
 2330-0030 9430J Burmese

JUL=Juelich

NAU=Nauen

WER=Wertachtal

(Observer-BUL/MIDXB/Voitelev-RUS)

**GREECE Voice Of Greece**

0000-0400 Greek 5865 7475 1211015630  
 0400-0600 Greek 7475 9420 17520 21530  
 0600-0700 Greek 9420 11900 15630 17520  
 21530  
 0700-0800 Greek/En 9420 11900 15630 17520  
 21530  
 0800-1000 Greek/En 9420 15630  
 1100-1200 Greek 15630  
 1200-1300 Greek 9420 11900 15630 15650  
 1300-1430 Greek/Ar 9420 11900 15630 15650

1430-1500	Greek	11900 15630
1430-1657	Ge/Ru/En/ Tu	11645
1500-1600	Greek	9420 15630
1600-1700	Greek	9420 15630 17705
1700-1800	Greek	9420 15630 17705
1800-1850	Greek	9420 15630
1850-1900	Greek	17705
1900-2000	Greek	7475 5865 12110 17705
2000-2100	Greek	7475 5865 12110 17565
2100-2200	Greek	7475 9420 15650 17565 17705
2200-2300	Greek	7475 9420 15650
2300-2400	Greek	5865 7475 12110 15650

**Radiofonikos Stathmos Makedonias** (Macedonia Station, Thessaloniki)

1100-1950	Greek	9935
2000-2250	Greek	7430

(Ch. Caralabopoulos, tech dept/Worldwide DX Club/  
Kubiak-GER)

**GUAM Trans World Radio—Guam KTWB**

0730-0900	English	15200
0815-0930	English	15330 Sa-Su
0815-1000	English	15330 Mo-Fr
0900-0915	Balinese	15200 Fr-Tu
0900-0915	Torajanese	15200 We/Th
0915-0930	Madurese	15200
0915-0930	Mandarin	9910 12130
0930-1100	Indonesian	15200
0930-1100	Mandarin	9865 9910 12130
1100-1145	Vietnamese	9430
1100-1200	Korean	11765
1100-1230	Indonesian	15200
1100-1300	Mandarin	7455 12130
1200-1300	Japanese	9465
1200-1300	Javanese	11665
1230-1300	Sundanese	11900
1300-1330	Cantonese	11900
1300-1330	Mandarin	7455 9910 12130
1300-1400	Burmese	13685
1330-1345	Bengali	15395 Mo/Tu
1330-1345	Boro	15395 We-Su
1330-1400	Swatow	9910
1330-1500	Mandarin	7455 12130
1345-1400	Santali	15395
1400-1415	Cantonese	9910
1415-1445	Cantonese	9910 Su-Fr
1430-1530	Vietnamese	9430
1430-1600	English	15330
1445-1500	Cantonese	9910 Su
1500-1530	Korean	9585
1500-1615	Mandarin	9810 12130
2100-2200	Japanese	11690
2115-2200	Mandarin	9445
2200-2230	Cantonese	11840
2200-2230	Indonesian	15195
2200-2315	Mandarin	11750
2230-2245	Cantonese	11840 Su-Fr

2230-2300	Hakka	15195
2245-2300	Cantonese	11840 Su (BBCM)

**INDONESIA** 2703 Greetings from Malang, a city in East Java about 100 km south of Surabaya.

Over the last three days, I've been hearing a very strong signal a fraction above 2703 kHz, carrying Islamic religious services including calls to prayer, Koranic recitations and what sound like sermons and announcements. There are also some long pauses when coughing and various other 'noises off' are audible. Hours seem to be variable, but there's an evening transmission at 1030v-1430v and it's also on during the local daytime around 0400. I would suspect that there might also be a transmission in the very early morning around 2000-2100 for the early morning prayers and beginning of the Ramadan fasting period, but I have not checked at this time.

I cannot hear any IDs or other announcements, including at s-on and s-off, except for an Arabic valediction just before the 'clunk' when the microphone is switched off at the end of transmission. The transmitter then remains on with open carrier for a few mins. I have no information about what this station is, but my theory is that it must be coming from a mosque somewhere in Malang city. Even during daytime, reception is excellent here with no fading and it is probably the strongest signal on the SW bands. Audio and the standard amplitude modulation are also good. The content is not carried on any of the regular local MW or FM stations. (Alan Davies.INS/BC-DX/Bueschel-GER)

**IRAN** New transmission in Arabic—"Intifadah Al-AQsa" (ex Radio Shalom in English) noted on Dec 1: 1900-1927 7105 7175

(R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

**VOIRI** Tehran noted on new 9565 with Fr \*1830, not on planned 9535. (Bob Padula-Vic-AUS, edpx Dec 9/BC-DX/Bueschel-GER)

Some frequency changes for VOIROI/IRIB eff Dec 2:

0030-0127	Bengali	NF 9640 (x 6185)
0830-1157	Dari	11860 ADDITIONAL
0930-1027	Dari	11675 DELETED
0930-1227	Ar	17550 DELETED
1100-1227	En	NF 15375 (x15575)
1200-1457	Dari	3945 ADDITIONAL [= Mashad site!]
1300-1357	Kazakh	NF 11745 (x11750)
1330-1457	Dari	7180 DELETED
1330-1457	Pashto	NF 11640 (x11775)
1430-1527	Bengali	NF 11560 (x11870)

1430-1657	Azeri	6200 EXTENDED (x1500-1657)	0530-0600	Chinese	17845
1530-1627	En	NF 11640 (x11775)	0545-0600	Swedish	11915G
1730-1927	Dari	3945 EXTENDED (x1730-1827)	0600-0630	German	11915G
1830-0227	Ar	7115 EXTENDED (x1830-2127)	0600-0630	Russian	11715 11760
1830-1927	Fr	NF 9565 (x 9535)	0600-0700	English	21755
1830-1927	Hausa	NF 15140 (x15550)	0600-0700	English	7230U 9835 11715 11740Sn 11760 15195 17870
(R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)			0630-0700	Bengali	15590 11890Sr
<b>ISRAEL</b> Freq change for <i>Kol Israel</i> effective Dec 15: 2000-2025 En, 2030-2045 Fr, 2045-2100 Sp all on NF 7520 (x7510).// 9435, 11605, 15640, 15650. (Moshe Oren, Freq Man, BEZEQ via R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)			0630-0700	Chinese	17860
<b>ITALY</b> <i>Radio Europe</i> is operating 7306usb mode with 500 watts power until 0800 UTC 13 Dec with programs featuring Marconi, Morse, Dxing info, Play-DX news...all related to our hobby. Special QSL card featuring a photo (black and white) of Elettra vassel of Marconi sailing Venezia 1934 will be sent to all correct reports sent to: Marconi Day c/o Play-DX, Dario Monferini, Via Davanzati 8 IT-20158 Milano, Italy. 2 IRCs or 2 \$ us required for air mail reply outside Europe. (Paul Ormandy-AUS, ARDXC Dec 12/BC-DX/Bueschel-GER)			0630-0700	French	11915G
			0700-0730	Arabic	15220A
			0700-0730	Hindi	15590 11890Sr
			0700-0800	Japanese	6145 6165 9695 11740Sn 11920Sn 15195 17870 21755
			0730-0800	Urdu	15590 11890Sr
			0800-0830	Russian	6145 6165
			0800-0900	Japanese	9530F 9695 9750 9835 11710U 11740Sn 11920Sn 12030 15220A 15230 15590 21550G 21755
			0830-0900	Persian	17820Sr
			0900-1000	Japanese	9530F 9750 9835 11710U 11740Sn 11815 11920Sn 12030 15230 15590 21550G 21755
			0930-1000	Indonesian	9695
			1000-1030	Spanish	12030 15590F
			1000-1100	English	9695 15590 21755
			1000-1300	Japanese	9750 11815
			1030-1045	Italian	21700G
			1030-1100	Burmese	11740Sn
			1030-1100	Portuguese	15590F
			1045-1100	Swedish	21700G
			1100-1130	German	9660U 11710U
			1100-1130	Korean	6090
			1100-1130	Vietnamese	13660
			1100-1200	English	6120C 9695 15590
			1130-1200	Chinese	6190
			1130-1200	Indonesian	13660
			1130-1200	Russian	11710U
			1130-1200	Thai	11740Sn
			1200-1230	Korean	6190
			1200-1230	Malay	9695 13660
			1200-1230	Vietnamese	11740Sn
			1230-1300	Burmese	9695
			1230-1300	Chinese	6190 11740Sn
			1230-1300	French	15400A 17790A
			1230-1300	Indonesian	13660
			1300-1330	Bengali	11890Sr
			1300-1330	Korean	6190
			1300-1330	Malay	9695
			1300-1330	Swahili	17790A
			1300-1500	Japanese	9750 11705C 11815
			1330-1400	Hindi	11890Sr
			1330-1400	Thai	7200
			1400-1430	Korean	6190
			1400-1430	Urdu	11890Sr
			1400-1500	English	7200 9505 9845 17755G
			1430-1500	Chinese	6190
0000-0030	English	6145C 13650 17810			
0030-0100	English	6145C			
0100-0200	English	11860Sn 11870 11880Sr 11930G 15325 17685 17810 17835 17845			
0200-0300	Japanese	5960C 11860Sn 11870 15195 15325 17685 17810 17825 17835 17845 17875 21610			
0230-0300	Persian	11880Sr 11930G			
0230-0300	Portuguese	9660F			
0300-0400	English	17825 21610			
0300-0400	Japanese	5960C 9660F11870 11880Sr 11890Sr 11930G 115195 5325 17685 17810 17835 17875			
0330-0400	Swahili	6135A			
0400-0430	Arabic	11880Sr 11930G			
0400-0430	Korean	17845			
0400-0430	Spanish	9660F			
0400-0500	Japanese	15195 17810			
0430-0500	Chinese	17845			
0430-0500	Russian	11915G			
0500-0530	French	17820Sr			
0500-0530	Korean	17845			
0500-0530	Spanish	11895F 11915G			
0500-0600	English	5975U 6110C 7230U 9835 15195 17810 21755			
0530-0545	Italian	11915G			

1500-1520	French	7190	0300-0400	English	6195 7140 9345
1500-1600	English	7200 9750 9845	0300-0400	French	6520 7580 11735
1500-1600	Japanese	9505 9535 12045Sr	0700-0750	Korean	4405 7140 9345
1600-1700	Japanese	6035 7140 7200 9505 9535	0700-0850	Japanese	3250 6520 7580
		9750 9845 12045Sr 21630A	0700-0900	Russian	3560 6575 9325 9975 11335
1700-1730	English	15355G	0800-0900	Chinese	4405 7140 9345
1700-1730	Japanese	6035 6175U 7140 7200	0900-0950	KCBS	4405 7140 9345
		9505 9750U 9835 11880Sr	0900-0950	Korean	3560 6575 9325 9975 11335
		11970 21630A 21600F	0900-1250	Japanese	3250 6070 6520 7580
1700-1800	English	9505 11970	1000-1050	Korean	4405 7140 9345
1730-1800	Japanese	6035 6175U 7140 7200	1000-1100	English	3560 9335 9850 11710
		9505 9835 11880Sr 11970			11735
		21630A 21600F	1100-1200	Chinese	4405 7140 9345
1800-1820	French	9685 11785 11970	1100-1200	French	3560 9335 9850 11710
1800-1900	Japanese	6035 6175U 9835 15355G			11735
1820-1840	Spanish	11970	1200-1250	KCBS	3560 9335 9850 11710
1840-1900	Russian	11970			11735
1900-1930	Russian	5955	1200-1250	Korean	4405 7140 9345
1900-2000	Japanese	6165 11665 11910	1300-1350	Korean	6575 9325
2000-2100	Japanese	6165 7225 11665 11830	1300-1400	Chinese	3560 9850 11735
		11850 11910 11920Sn	1300-1400	English	4405 7505 9335 11335
2100-2200	English	6180U 6115U 11830U			11710
		11850 11855A 11920Sn	1400-1450	KCBS	3560 9850 11735
		17825 21670	1400-1500	French	4405 7505 9335 11335
2100-2200	Japanese	7225 11665 11910			11710
2200-2230	Korean	9560	1400-1500	Russian	6575 9325
2200-2300	Japanese	6110C 6115U 11665	1500-1600	Arabic	3560 9975 11735
		11895F 11910 15220A	1500-1600	English	4405 7505 9335 11335
		17825			11710
2230-2250	Chinese	9560	1500-1600	Russian	6575 9325
2240-2300	Chinese	13650	1600-1700	English	3560 9975 11735
2240-2300	Malay	17810	1600-1700	French	4405 7505 9335 11335
2300-2320	Indonesian	17810			11710
2300-2320	Thai	13650	1600-1700	German	6575 9325
2300-2400	Japanese	11665 11910	1700-1750	KCBS	4405 7505 9335 11335
2320-2340	Burmese	13650			11710
2320-2340	Vietnamese	17810	1700-1800	Russian	6575 9325
2340-0000	Chinese	17810	1700-1800	Spanish	3560 9975 11735
2340-0000	Indonesian	13650	1800-1900	French	3560 6520 9660 9975 11735
			1800-1900	Spanish	4405 7505 11335

Relays:

A=Ascension  
 C=Sackville  
 F=Fr.Guiana  
 G=Gabon  
 Sn=Singapore  
 Sr=Sri Lanka  
 U=United Kingdom

(Radio Japan/Green-UK, BC-DX Nov 5, updated Nov 16)

**KOREA- D.P.R. Radio Pyongyang** for period B-01

0000-0050	Korean	6195 7140 9345
0000-0100	Chinese	9325 11335
0000-0100	Spanish	6520 7580 11735
0100-0200	English	6195 6520 7140 7580 9345
		11735
0100-0200	French	9325 11335
0200-0300	Chinese	6195 7140 9345
0200-0300	English	9325 11335
0200-0300	Spanish	6520 7580 11735
0300-0400	Chinese	9325 11335

0300-0400	English	6195 7140 9345
0300-0400	French	6520 7580 11735
0700-0750	Korean	4405 7140 9345
0700-0850	Japanese	3250 6520 7580
0700-0900	Russian	3560 6575 9325 9975 11335
0800-0900	Chinese	4405 7140 9345
0900-0950	KCBS	4405 7140 9345
0900-0950	Korean	3560 6575 9325 9975 11335
0900-1250	Japanese	3250 6070 6520 7580
1000-1050	Korean	4405 7140 9345
1000-1100	English	3560 9335 9850 11710
		11735
1100-1200	Chinese	4405 7140 9345
1100-1200	French	3560 9335 9850 11710
		11735
1200-1250	KCBS	3560 9335 9850 11710
		11735
1200-1250	Korean	4405 7140 9345
1300-1350	Korean	6575 9325
1300-1400	Chinese	3560 9850 11735
1300-1400	English	4405 7505 9335 11335
		11710
1400-1450	KCBS	3560 9850 11735
1400-1500	French	4405 7505 9335 11335
		11710
1400-1500	Russian	6575 9325
1500-1600	Arabic	3560 9975 11735
1500-1600	English	4405 7505 9335 11335
		11710
1500-1600	Russian	6575 9325
1600-1700	English	3560 9975 11735
1600-1700	French	4405 7505 9335 11335
		11710
1600-1700	German	6575 9325
1700-1750	KCBS	4405 7505 9335 11335
		11710
1700-1800	Russian	6575 9325
1700-1800	Spanish	3560 9975 11735
1800-1900	French	3560 6520 9660 9975 11735
1800-1900	Spanish	4405 7505 11335
1800-2000	German	6575 9325
1900-2000	Arabic	3560 6520 9660 9975 11735
1900-2000	English	4405 7505 11335
2000-2050	KCBS	3560 6520 6575 9325 9660
2000-2050	KCBS	9975 11735
2000-2100	French	4405 7505 11335
2100-2200	Chinese	3560 7140 9345 9975 11735
2100-2200	English	4405 7505 11335
2100-2350	Japanese	3250 6520 7580
2200-2300	Chinese	3560 7140 9345 9975 11735
2200-2300	Spanish	4405 7505 11335
2300-2350	KCBS	3560 4405 7140 7505 9345
		9975 11335 11735

(ABI webpage, last modified: Nov. 8, 2001, via JKB, WWDXC/BC-DX/Bueschel-GER)

**LAOS 6130 Radio Nationale Lao** \*2155 On Dec. 6, s/on with two minutes of rather monotonous South East Asian melody, then anthem played by local horns in unison (reminded me of "Auld Lang Syne"). At 2159 woman in language, but nothing readable from then on because of overload from Sackville's

Radio Japan relay s/on on 6110. On Dec. 3, had been heard from 2226 with typical Hmong a-cappella crooning, then seemed to change languages at 2230, matching their (WRTH) sked of Hmong 2200-2230 and Khmu 2230-2300. First time I've ever heard Laos in our late afternoon. Also noted several recent mornings with 7 "Big Ben" bells at 1200. It's a different world with CHNX gone! (Hill)

**MOROCCO** B-01 schedule for **RTM** Rabat in Arabic:

0000-0500 7185-Tangier  
 0900-1100 15340-Nador  
 1100-1500 15335-Tangier 15340-Nador  
 1500-2200 15340-Nador  
 2200-2400 7160 Tangier

(R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

**NETHERLANDS** *Radio Netherlands*

0130-0225 Dutch 6020S 6165F 15315B  
 0130-0325 Spanish 6165B 9845B  
 0230-0330 AWR 3215M  
 0300-0345 DW English 11985B  
 0330-0425 Dutch 6165B 9590B 9860M  
 15560M  
 0400-0456 RVI 11985B  
 0430-0525 VO Hope 12060M 15320M Sa  
 0430-0530 English 6165B 9590B  
 0500-0545 DW English 11795B  
 0600-0700 Dutch 5955F 6020F 7125F 9895F  
 0700-0800 Dutch 5955F 9625B 9895F  
 11655B 11935F  
 0800-0900 Dutch 5955F 9715B 9895F 11935F  
 0900-0945 DW English 17860M  
 0900-1030 Dutch 9895F  
 0930-1015 Dutch 6020B Mo-Sa  
 0930-1130 English 7260P 9790B 12065I  
 1030-1125 Dutch 9885B 9895F 13820K  
 17575M 21480M  
 1100-1125 Spanish 15450B  
 1125-1600 Dutch 9895F  
 1130-1157 Spanish 6020B 9715B  
 1130-1325 English 5965S 6045J 9860J  
 1130-1325 Indonesian 11690Si 17580M 21480M  
 1200-1225 Spanish 6020B 9715B  
 1330-1425 Dutch 7375P 9885K 12070T  
 13700F 17580M 21480M  
 1429-1455 Dem.V.Burma 17805M  
 1430-1625 English 12070T 12080M 15220A  
 15595M  
 1458-1525 IBC Tamil 17485M  
 1530-1630 AWR 3215M  
 1600-1800 Dutch 6020M 9895F 11655M  
 13700F  
 1700-1755 V of People 7120M  
 1730-2025 English 6020M 11655M  
 1830-1925 Dutch 11695F 15315F 21590B  
 1830-2025 English 9895F 13700F 17605B  
 1900-2000 RVI 13645F  
 2000-2100 RCI French 11725F

2030-2125 Dutch 5835Mo 6015F 6020M  
 9895F 11655M 15315B  
 17605B 21590B  
 2130-2225 Dutch 6020B 9895F 11730F  
 13700B 15315B  
 2130-2325 Indonesian 6120Si 7285M 9590M  
 2200-2300 RCI French 9805F  
 2230-0125 Spanish 9895F 11715F 11730B  
 15315F  
 2230-2325 RVI 13660B  
 2330-0025 Dem.VBurma 11715M  
 2330-0025 Dutch 7280Si 9590M 15565M  
 17570K  
 2330-0125 English 6165B 9845B

B=Bonaire  
 F=Flevo  
 I=Irkutsk  
 J=Juelich  
 K=Khabarovsk  
 M=Madagascar  
 Mo=Moscow  
 P=Petrovavlovsk Kamchatski  
 S=Sackville  
 Si=Singapore  
 T=Tashkent  
 W=Wolvertem  
 (RN website, via who??)

**NORTHERN MARIANAS ISLANDS** *Radio KFBS*

Saipan  
 0800-0830 Banjarese 15380  
 0830-0900 Gorontalo 15380  
 0855-1100 Russian 11650  
 0900-0930 Makassarese 15380  
 0925-1000 Buginese 15380  
 0955-1600 Mandarin 11580  
 1000-1030 Sundanese 15380  
 1030-1100 Javanese 15380  
 1100-1130 Mongolian 11650  
 1100-1230 Indonesian 15380  
 1130-1400 Russian 11650  
 1230-1300 Baku 15380  
 1300-1400 Vietnamese 12120  
 1400-1430 Hmong 12120 We  
 1400-1430 Koho 12120 Su  
 1400-1430 Mien 12120 Th  
 1400-1430 Vietnamese 12120 Mo/Tu/Fr/Sa  
 1400-1500 Russian 9465  
 1500-1530 Russian 9465  
 1530-1545 Chuvash 9465 Sa  
 1530-1545 Kirghiz 9465 Fr  
 1530-1545 Mari 9465 We  
 1530-1545 Tatar 9465 Mo  
 1530-1545 Udmurt 9465 Su/Tu  
 1530-1545 Uzbek 9465 Th  
 1545-1600 Germ 9465 We  
 1545-1600 Kazakh 9465 Fr/Sa  
 1545-1600 Ossetic 9465 Th  
 1545-1600 Tatar 9465 Mo/Tu  
 1545-1600 Udmurt 9465 Su  
 1600-1615 Uighur 11580

1600-1630	Russian	9465 Su-Fr
1600-1630	Ukrainian	9465 Sa
1615-1630	Kazakh	9490 Tu/We
1615-1630	Kirghiz	9490 Th/Fr
1615-1630	Ossetic	9490 Mo
1615-1630	Uzbek	9490 Sa/Su
1630-1645	Chuvash	9490 We
1630-1645	Mari	9490 Mo
1630-1645	Tartar	9490 Sa
1630-1645	Udmurt	9490 Su/Th/Fr
1630-1645	Ukrainian	9490 Tu
1630-1830	Russian	9465
1645-1700	German	9490 Tu/We/Th
1645-1700	Tartar	9490 Mo/Sa
1645-1700	Udmurt	9490 Su/Fr
1830-1845	Russian	9465 Su/Tu/Th/Sa
1830-1845	Ukrainian	9465 Mo/We/Fr
1845-1900	German	9465 Fr
1845-1900	Russian	9465 Su/Th/Sa
1845-1900	Ukrainian	9465 M/Tu/We

(direct/Bueschel-GER)

**NORWAY** Current schedule of *Radio Norway International* in Norwegian till Dec 31:

0000-0030	7470 7490
0100-0130	7470 7495 9945
0200-0230	7470 7490 9590
0300-0330	7465 7490 9945
0400-0430	7465 7490 9945
0500-0530	5965 7490
0600-0630	5945 7180 9590 13800
0700-0730	7180 9590
0800-0830	13800 15705
0900-0930	13800 15705 18950
1000-1030	13800 21765
1100-1130	13800 21765
1200-1230	12070 13800 15735 18950
1300-1330	9590 13800 15735 18950
1400-1430	13800 17525
1500-1530	13800 15735 17525
1600-1630	7490 13800 18950
1700-1730	7490 9980 13800 18950
1800-1830	7490 9980 13800 15705
1900-1930	7490 9980 13800
2000-2030	7490 9980
2100-2130	7490 9510
2200-2230	7465 7530
2300-2330	7390 7465 7490 9480

(R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

**PAKISTAN** In view of the fact that the shortwave stations in Pakistan are currently a matter of radio news, let me give a list of all currently active shortwave stations in Pakistan, each of which I visited during the time we lived in Pakistan back 30 years ago. As far as is known, no new transmitters have replaced any of the older units, and only the old original shortwave transmitters are in use today. The callsigns in use for the radio stations in Pakistan are all in the AP range, with A standing for

Asia and P for Pakistan. Transmitter 1 in each of the Pakistan callsigns is the local mediumwave unit.

**KARACHI**—Southern port city, and largest city in Pakistan. The shortwave base for Radio Pakistan Karachi is located 20 miles east of Karachi on the highway running towards Hyderabad (Sind). Two 50 kW RCA transmitters APK2 & APK3 were installed in 1948 and two 10 kW Gates units APK4 & APK5 were installed in 1955. The 50 kW transmitters are used in the regional and international services of Radio Pakistan and the 10 kW units were installed originally for the "Link Service" with Dacca in what was East Pakistan. It is unlikely that the 10 kW units are in use these days.

**QUETTA**—Located on the western edge of Pakistan in a mountainous area across the border 150 miles from Kandahar in Afghanistan. The shortwave transmitter APQ2 of Radio Pakistan Quetta is located on the southeastern edge of Quetta and is co-sited with the MW facility. The single 10 kW Gates transmitter was installed in 1962 and is on the air during the day on 7170 kHz and in the morning and evening on 5025 kHz.

**PESHAWAR**—Frontier city in the plains near the Khyber Pass en route to Afghanistan. The shortwave transmitter APP2 is co-sited with the mediumwave station and is located in Peshawar itself. The 10 kW AWA transmitter from Australia was installed in 1960 and it is currently listed on just one channel, 5045 kHz.

**RAWALPINDI**—Located in northern Pakistan near the foothills of the high Himalayas. The Rawalpindi SW station APR2 is located on the western edge of Rawalpindi towards Peshawar and is co-located with the mediumwave unit. The single 10 kW Gates transmitter was installed in 1962 and it is currently listed for two channels, 7335 kHz during the day and 5010 kHz morning and evening. This unit was recently re-activated. The Rawalpindi mediumwave service can be heard on shortwave on 7110 kHz via a 100 kW transmitter located in the Islamabad twin facility.

**ISLAMABAD**—National capital, modern twin city with Rawalpindi, on the northern edge of Rawalpindi. The shortwave radio station known as Radio Pakistan Islamabad is located 15 miles southeast of the twin city complex Rawalpindi-Islamabad on the Grand Trunk Road that leads to Lahore. There are two shortwave facilities located here, side by side, on the northern edge of the highway. There were 79 antenna masts on these two radio properties. The older station was built in 1968 and housed four transmitters; one Gates at 10 kW, two RCA at 100 kW, and one Continental at 100 kW. The newer facility was constructed in 1972 and houses four SW transmitters; two BBC at 250 kW and two Russian made units at 100 kW. The 100 kW transmitters were installed for coverage into what was then East Paki-

stan and for international programming. The 10 kW units have been in use for the regional Islamabad service and also for the "Link Service" as a back-up relay to other stations. All of the 100 kW and 250 kW units have been on the air for the international services from Radio Pakistan, though all units are not in use these days. One of the 100 kW transmitters is in use with a relay from Azad Kashmir Radio. The Islamabad mediumwave service can be heard on 5010 kHz via a 100 kW transmitter at the Islamabad twin complex.

**MUZAFFARABAD**—Small capital city for Azad Kashmir, administered by Pakistan, located in a wide valley in the rugged Himalayas. Azad Kashmir Radio operates two shortwave transmitters. The 1 kW AKR at the studio building on the upper edge of Muzaffarabad was established in 1961 and its only channel is 3665 kHz.

**MIRPUR**—Small town located near Islamabad radio complex. The 100 kW Thomcast at Mirpur was established in 1997 as a high powered relay unit for Azad Kashmir Radio. It is probable that this is the unit that is listed for 7265 kHz.

**TRARKHEL**—a very small village in southern Azad Kashmir. Azad Kashmir Radio Trarkhel is in reality a 100 kW unit located at the large shortwave base, Islamabad-1, with studios in Rawalpindi. This unit is currently on the air on 4790 kHz. (Peterson Dec 6)/Cumbre/Johnson)

**Radio Pakistan** in Turki and Russian at new time: 1345-1415 Turki (x1400-1430) 7375v and 9396v 1415-1500 Russian (x1430-1515) 7375v and 9396v (R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

**PERU 4835.4v Radio Maranon** has reactivated. First noted here on Dec 7 at 0128, but the signal was too weak. A bit better on Dec 8th, but still no solid ID. Finally heard at a good enough level during the 1000 hour of the 8th with several ID's. Plays a lot of what sound like radio dramas to me as well as pop music. (Johnson/Cumbre)

4940 **Radio San Antonio** (Villa Atalaya) After a lot of work we have a new 1 kW transmitter and probably by Monday, Nov 26, we will have it on the air. During all this time we have only been on FM. (Gerardo Gerardo Zerdin via Fontanele, translation by Fleming Nov 27/Cumbre/Johnson)

#### PHILIPPINES *Radio Veritas Asia*

0000-0025	Karen	9535
0000-0025	Sinhala	11820
0030-0055	Kachin	9535
0030-0055	Tamil	11795
0100-0125	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530

0200-0225	Urdu	15335
0230-0325	Russian	11805
1000-1025	Hmong	9555
1000-1155	Mandarin	9520
1030-1125	Vietnamese	11850
1130-1155	Burmese	9615
1200-1225	Indonesian	9505
1200-1225	Karen	9615
1230-1255	Kachin	9615
1300-1325	Vietnamese	7265
1330-1355	Hindi	9590
1330-1355	Sinhala	9520
1400-1425	Bengali	9540
1400-1425	Tamil	9520
1430-1455	Telugu	9535
1430-1525	Russian	9660
1500-1525	Filipino	9790
1525-1555	Filipino	9790 Su/We/Fr
1530-1555	Urdu	9670
1530-1555	Zomi-chin	9525 Mo/Tu/Th/Sa
2100-2255	Mandarin	6190
2200-2225	Cantonese	6060
2230-2255	Filipino	6075
2300-2325	Indonesian	9505 11820
2330-2355	Burmese	9535
2330-2355	Vietnamese	9670

(BBCM + Rajshshi-BNG/EDXP/Padula-AUS)

#### POLAND *Radio Polonia*

1100-1130	Czech	5965 7285 Tu-Su
1100-1130	Slovak	5965 7285 Mo
1130-1200	Polish	5965 7285
1200-1225	Polish	7270 7285
1200-1230	Russian	7285 9540
1230-1255	Belarusian	5995 7285
1230-1300	German	6095 9525
1300-1400	English	6095 7270 9525 11820
1400-1425	Lithuanian	6095 7275
1400-1430	Russian	7285 9540
1430-1455	Esperanto	7275 7285
1430-1530	Belarusian	5995 7180
1500-1525	German	6095 7285
1530-1555	Russian	7180 7285
1530-1600	Ukrainian	6000 7130
1600-1630	Lithuanian	5970 7180
1600-1630	Ukrainian	5995 7270
1630-1700	Ukrainian	5995 7180
1630-1730	Polish	6035 7285
1700-1725	Czech	6095 7215 Mo-Sa
1700-1730	Slovak	6095 7215 Su
1730-1800	Ukrainian	6035 7270
1730-1855	Belarusian	5995 7285
1800-1900	English	5995 7285
1900-1925	Esperanto	7130
1900-1930	German	7285
1900-1930	Russian	5995 7180
1900-1955	Belarusian	6050 7180
1930-2000	Ukrainian	5995 6035 7180 7295
2000-2025	Russian	6095 7160 7210 7285
2030-2130	English	5995 7165 7290 9540
2130-2155	Belarusian	6035 7165

2130-2200 Ukrainian 5995 7180  
 2200-2300 Polish 6040 7165 7180  
 (BBCM)

**PORTUGAL RDP Internacional** Lisboa, all trans-  
 missions in Portuguese.

0000-0300 9715 11655 11980 13700 13770 Tu-Sa  
 0600-0745 9755 9815 11675 Mo-Fr  
 0745-0800 9755 9815 11660# 11675 Mo-Fr  
 0800-0900 9755 9815 11660# Mo-Fr  
 0800-0930 11785 15575 21655 21830 Sa/Su  
 0900-1100 9815 11875 Mo-Fr  
 0930-1100 11785 11995# 15575 21655 21830 Sa/  
 Su  
 1100-1300 11785 15575 21655 21830 Sa/Su  
 1100-1300 9815 11875 21655 21725 21830 Mo-Fr  
 1300-1400 15540S Mo-Fr  
 1300-1500 11875 15540+ 15575 17745 21655  
 21800+ 21830 Sa/Su  
 1400-1600 15490 15540S Mo-Fr  
 1500-1800 13660+ 13790 15540+ 17745 21655  
 21800+ 21830 Sa/Su  
 1600-1700 15540S Mo-Fr  
 1700-1800 11800+ 11860+ 13585+ 15540S  
 17680+ 21655 21800+ Mo-Fr  
 1800-2000 11800+ 11860+ 13585+ 15540S  
 17680+ 17745S 21655 21800+ Mo-Fr  
 1800-2000 13660+ 13790 15540+ 17680+ 17745  
 21655 21800+ Sa/Su  
 2000-2100 11800S 13660+ 13770S 13790 15540+  
 17680+ 17745 21655 21800+ Sa/Su  
 2000-2400 13770S 15540S Mo-Fr  
 2100-2400 11800S 13770S Sa/Su

Svia Sines relay

+ May be extended up to 2400 UTC.

\* Special transmissions, reserved for extended sched-  
 ule ONLY.

(C.R. de Assuncao Goncalves via Bueschel-GER/  
 Worldwide DX Club/Kubiak-GER)

**ROMANIA Radio Romania International** Buchar-  
 est schedule in B-01:

0000-0100 Spanish 9665 11810 15250 17720  
 0000-0200 Romanian 6040 7145 9510 11940  
 0100-0200 Portuguese 11875 15250 17720  
 0200-0300 English 9550 11740 11830 11940  
 15290 15370  
 0200-0600 Romanian 6040 7145  
 0300-0400 Spanish 9550 11830 15250 17720  
 0400-0500 English 9550 11830 15335 17735  
 0500-0530 Bulgarian 5955  
 0500-0600 French 6140 7295 9590  
 0530-0600 Ukrainian 7105  
 0600-0619 French 7145 9510 9570 11790  
 11940  
 0600-0630 Hungarian 7225  
 0600-0700 English 9530 11830  
 0600-0800 Romanian 7145 9570 11790  
 0619-0636 German 7145 9510 9570 11790  
 11940

0630-0700 Chinese 15380 17720  
 0636-0653 English 7145 9510 9570 11790  
 11940  
 0700-0800 Arabic 11775 15260 15270 15365  
 17790  
 0700-0800 English 15335 17720  
 0800-1100 Romanian 15105 17720  
 1100-1130 Italian 17795  
 1100-1200 French 15245 15380 17745 17790  
 1100-1300 Romanian 15105 15290 17720 17775  
 1130-1200 Turkish 11795  
 1200-1300 German 15245 17745  
 1200-1300 Russian 9570 9590 11810  
 1300-1330 Serbian 11765  
 1300-1400 Arabic 11740 11830 15250 15335  
 15380 17790

1300-1500 Romanian 15105 17720  
 1330-1400 Greek 11765  
 1400-1430 Italian 17735  
 1400-1500 English 11940 15365 17790  
 1430-1500 Chinese 9530 11910  
 1500-1600 French 11940 15245 15390 17805  
 1500-1600 Russian 11735 15365  
 1500-1700 Romanian 11790 15105  
 1600-1630 Ukrainian 9650  
 1600-1700 German 9570 11940 15390  
 1600-1700 Romanian 11780 15365  
 1630-1700 Bulgarian 7135  
 1700-1730 Turkish 9595  
 1700-1800 English 9625 11830 11940 15245  
 1700-1800 Romanian 9510 11780 11790 15365  
 1730-1800 Greek 9735  
 1800-1830 Aromanian 11880  
 1800-1900 Romanian 7195 9510 9570 11790  
 1800-1900 Spanish 15390 17735 17745 21480  
 1830-1900 Serbian 5990  
 1900-2000 German 5960 7130  
 1900-2000 Russian 6085 7155  
 1900-2200 Romanian 6040 7145 7195 9570  
 2000-2030 Italian 7245  
 2000-2100 French 7105 9690 11740 15365  
 2030-2100 Aromanian 9590  
 2100-2130 Hungarian 6055 7285  
 2100-2200 English 5955 7105 7215 9690  
 2200-2300 Portuguese 15365 17720  
 2200-2300 Spanish 9665 11735  
 2200-2400 Romanian 6040 7145 9690 11830  
 2300-2400 English 7195 9510 9570 11940  
 (RRI printed schedule via Rumen Pankov-BUL/BC-  
 DX/Bueschel-GER)

Special for Seamen and Mariners:

0800-0856 15335 15380 15390 17735 17745  
 17805 Su  
 0900-0956 15380 15470 17735 17745 17790  
 21480 Su  
 1000-1056 15245 15380 15390 17735 17745  
 17790 Su

(R Bulgaria Observer, Ivo and Angel/BC-DX/Bue-  
 schel-GER)

<b>RUSSIA Voice of Russia</b> uses shortwave and medium wave transmitters in Russia, other CIS countries, China, Germany and the Vatican.		1400-1500 Urdu	7305 7350 11500 12025 12055
0000-0100 Portuguese	7310 7350 7390 7410 7440 7570 9480 9810 9965	1500-1530 Hindi	7305 9900 12025 12055
0100-0200 Spanish	7125 7180 7310 7350 7390 7410 7440 7570 9480 9810 9860 9965	1500-1600 English	6205 7260 7315 7350 11500 15735
0200-0300 English	7180 7250 7335 9765 12020 13665	1500-1600 Russian*	5995 6045 6185 7170 7440 7445
0200-0300 Russian	7125 7240 7260 7330 9385 9480 9810 12010 15595 17565 17595	1500-1600 Turkish	6005 9470 9830
0200-0300 Spanish	7310 7350 7390 7410 7440 7570 9860 9945 9965	1500-1600 Urdu	7305 12055
0300-0400 English	7180 7250 7335 12020 13665	1500-1700 Persian	5925 5935 7155 9360 9840
0300-0400 Russian	7125 7240 7260 7330 7335 7350 9385 9480 9810 12010 15595 17565 17595	1530-1600 Bengali	7305 9900 12025 12055
0400-0500 English	7125 7180 7330 12010(to 0430 Sundays) 12020 13665 15595 17595	1600-1630 Albanian	5920 7340 7370 9450
0500-0600 English	7125 7180 7330 12010(not Sundays) 12020 15595 17595	1600-1700 English	4940 4965 4975 6005 7260 7305 9830 15735
0600-0700 English	11770 15275 15470 17655 17665 21485 21790	1600-1700 German	6145 7125 7290 7300 7380 7390
0700-0800 English	11770 11820 15275 15470 17495 17525 17655 17665 21810	1600-1700 Russian	5890 6185 7315 12030
0800-0900 English	11770 11820 15275 15470 17495 17525 17665 21810	1600-1700 Russian*	5995 6045 7170 7440 7445 9470
0900-1000 English	11770 11820 15275 15470 17495 17525 17665 21810	1630-1800 Serbo-Croat	5920 7370 9450
1000-1100 German	11820 12010 15540	1700-1800 Arabic	5925 5935 6005 6090 7130 7390 9360 9480 9840
1000-1100 Korean	4010 7305 7355 7390 7490-usb 9450 11695	1700-1800 English	5890 7260 9470 9830 15735
1100-1200 Mandarin	4010 5940 6145 7305 7340 7355 7390 7490-usb 9450	1700-1800 French	5975 6130 6145 7335 7360 7440 9865 9875 11510
1100-1300 German	11820 12010	1700-1800 German	7125 7290 7300 7340 9775 7380 7390
1200-1300 Japanese	5930 6170 7155 7490-usb	1700-1800 Romanian	7380 7390
1200-1300 Korean	4010 7355 9450	1700-1800 Russian*	5995 6045 6185 7170 7445 12030
1200-1300 Mandarin	5940 6145 7305 7340 9470	1800-1830 Finnish	5940 6175 Mo-Fr
1200-1300 Urdu	7350 11500 12025 12055 15490	1800-1845 Hungarian	6030 7310 7380
1200-1300 Vietnamese	6205 15470	1800-1900 Arabic	5925 6090 7130(from 1830) 7390 9360 9480
1300-1400 Hindi	7350 11500 12025 12055	1800-1900 Bulgarian	5920
1300-1400 Japanese	5930 6170 7355	1800-1900 English	5940(SaSu) 6175(SaSu) 7335 7340 7360 9775 9830 11510 15735
1300-1400 Mandarin	4010 7340 9470	1800-1900 French	5975 6130 6145 7230(from 1830) 7440 9875
1300-1400 Mongolian	4850(from 1330 Sundays) 5940 7305 15550	1800-1900 German	7290 7300
1300-1400 Russian	6145 6185 7105 7155 9450 9490 15460	1800-1900 Italian	7370 7420 9450
1300-1500 Dari/Pashto	4940 4965 4975 5995 11655 15535	1800-1900 Polish	7125
1400-1500 Mandarin	4010 6145 7340	1800-1900 Russian	5950 5995 6045 6185 7360
1400-1500 Russian	5930 6205 7155 7315 9450 9490 15460	1800-1900 Russian*	6045 7170 7445
1400-1500 Russian*	6045 6185 7105	1830-1900 Norwegian	5940 6175 Tu/Th
		1830-1900 Swedish	5940 6175 Mo/We/Fr
		1845-1930 Czech	6030 7310 7380
		1900-2000 Arabic	5925 5935 6090 7130 7390 9360 9480
		1900-2000 English	5940 5950 6175 7335 7340 7360 7440 9775 9875 11510
		1900-2000 French	5975 6045 6130 6145 7230 7290 7420
		1900-2000 German	7300
		1900-2000 Greek	5920 7370 9450 9830
		1900-2000 Russian*	7170 7445
		1930-2000 Slovak	6030 7310 7380
		2000-2030 Albanian	7360 9775

2000-2100	English	5940 5950 6175 7335 7340 7390 9775(from 2030) 15735	CRR-8 (Khabarovsk)	6205	2200-2245	<b>VAT</b>
2000-2100	French	5975 6045 6130 7230 7290 7300 7420 9480		9885	1325-1425	<b>RNW</b>
2000-2100	Russian	6145 7170 7310 7355 7360(from 2030) 7380 7445		13820	1025-1124	<b>RNW</b>
2030-2100	Bulgarian	6000	CRR-8 (Komsomolsk-na-Amure)	17570	2325-0025	<b>RNW</b>
2100-2130	French	7230		9880	1200-1300	<b>HBS</b>
2100-2130	Portuguese	6145 7360		15560	0500-0600	Sun <b>VOM</b>
2100-2200	English	5940 5950 6175 7300 7340 7390 15735	CRR-8 (Irkutsk)	5905	2200-2300	<b>VOA</b>
2100-2200	Russian	6045 7355 7370 7445 9480		5905	2300-2350	<b>DWL</b>
2100-2230	Serbo-Croat	6000		5925	2200-2400	<b>DWL</b>
2130-2200	Spanish	6145 7360		5945	1500-1900	<b>DWL</b>
*="Sodruzhestvo" Commonwealth Program (BBCM + R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)				6225	1300-1350	<b>DWL</b>
Foreign relay via SW transmitters of the Russia.				7300	0900-0945	<b>DWL</b>
28/10/2001—30/03/2002				7400	1000-1400	<b>DWL</b>
CRR-1 (Moscow)				7420	1115-1630	<b>TWR</b>
5835	2025-2125	RNW		7460	1300-1400	<b>HBS</b>
7170	2200-2300	CRI		9580	2300-2350	<b>DWL</b>
7200	1830-1930	CRI		9760	0930-1030	<b>RFI</b>
7385	1700-1800	BBC		9760	1030-1055	<b>DWL</b>
7390	2000-2130	VOV		9825	0030-0200	<b>TWR</b>
7430	1600-1630	RCI		12015	1100-1300	<b>RFI</b>
7440	1800-2000	VOV		12065	0925-1125	<b>RNW</b>
7440	2000-2200	VOM		17710	0230-0300	<b>BBC</b>
9940	1200-1600	DWL		17710	0800-0830	<b>BBC</b>
12060	1400-1700	RVI		21640	0600-1000	<b>DWL</b>
CRR-2 (S.Petersburg)				CRR-11 (Novosibirsk)		
7130	1600-1800	CRI		7315	1700-1800	<b>DWL</b>
7130	1800-1830	CRI		7390	1300-1500	<b>VOA</b>
CRR-3 (Samara)				7430	2200-2300	<b>RFI</b>
5935	1800-1900	<b>DWL</b>		7430	1200-1300	<b>RFI</b>
5935	2000-2130	<b>IBR</b>		7460	0000-0100	<b>IBC</b>
7215	2030-2130	<b>CRI</b>		9470	2300-2345	<b>DWL</b>
9925	2100-2200	<b>RVI</b>		12025	2300-0100	<b>RFI</b>
9950	1330-1430	<b>MNO/AFG</b>		13810	1000-1400	<b>DWL</b>
12120	1700-1800	<b>NER</b>		TCR-12 (Chita)		
17765	0700-1600	<b>WUN</b>		6205	1300-1345	<b>VAT</b>
TCR-4 (Krasnodar)				Vladivostok. Radio Centre		
5965	1800-1900	<b>DWL</b>		5915	1200-1300	<b>HBS</b>
7305	1800-1900	<b>RCI</b>		7315	2200-2300	<b>RFI</b>
7355	1900-2130	<b>DWL</b>		7330	1100-1530	<b>BBC</b>
7400	1600-2300	<b>MAR</b>		12075	2300-2400	<b>RFI</b>
9925	1700-2100	<b>RVI</b>		12110	0900-0930	Sun <b>EZR</b>
13685	1400-1700	<b>RVI</b>		15600	0000-0100	<b>DWL</b>
15195	0600-0900	<b>RVI</b>		Petropavlovsk-Kamchatskiy Radio Centre		
15195	1200-1230	<b>RVI</b>		5895	1200-1330	<b>CHR</b>
15455	0600-0900	<b>MAR</b>		5905	1000-1400	<b>DWL</b>
15525	0900-0930	<b>DWL</b>		6205	1030-1055	<b>DWL</b>
17860	1000-1030	<b>DWL</b>		7260	0925-1125	<b>RNW</b>
				7375	1325-1425	<b>RNW</b>
				9865	1130-1230	<b>RVI</b>
				11695	0000-0100	<b>DWL</b>
				12065	2130-2200	<b>VOA</b>
				15250	2200-2400	<b>DWL</b>
				21790	2300-2345	<b>DWL</b>

BBC British Broadcasting Corporation  
 CHR China R  
 CRI China Radio International  
 DWL Deutsche Welle  
 EZR Radio Ezra  
 HBS Herald Broadcasting Syndicate  
 IBC International Broadcasting Corporation  
 IBR IBRA R  
 MNO Merlin Communications International Limited  
 MAR Radio Maryja  
 NER Netsanet Le-Ethiopia Radio  
 RCI Radio Canada International  
 RFI Radio France Internationale  
 RNW Radio Nederland Wereldomroep  
 RVI Radio Vlaanderen Internationaal  
 TWR Trans World Radio  
 VAT Radio Vaticana  
 VOA Voice of America  
 VOM Voice of Mediterranean  
 VOV Voice of Vietnam  
 WUN World University Network.  
 (Nikolai Rudnev, Belgorodskaya oblast, via RUS-DX  
 Dec 6/BC-DX/Bueschel-GER)

Clandestine stations via CIS transmitters:

**IBC Tamil** Sc in Tamil  
 0000-0100 Daily 7460 NVS

**Voice of Tibet** in Tibetan/Chinese  
 0100-0145 Daily 9910 DB  
 1215-1300 Daily 15655 DB or 15645 DB and  
 15670 A-A or 15680 A-A R  
 2315-2400 Daily 7180 DB

**Voice Of Afghanistan** in Pashto/Dari  
 1330-1430 Daily 9950 SAM

**Denge Mezopotamya** in Kurdish/Ar  
 0900-1100 Daily 15230 TAC  
 1500-1700 Daily 11530 YER

**Radio Ezra** in En  
 0900-0930 Sun 12110 VLD

**Voice of Khmer-Krom** in Khmer  
 1400-1500 Fri 15690 A-A

**Radio Free Vietnam** in Vietnamese  
 1400-1430 Mon-Fri 11850 TAC

**Democratic Voice of Burma** in Burmese  
 1430-1530 Daily 5905 A-A

**Voice of Iran** in Persian  
 1630-1830 Daily 15690 MDA

**Radio Barabari** in Persian  
 1701-1731 Mo/We/Fr/Su 7480.2? ISR?

**Netsanet Le Ethiopia** in Amharic  
 1700-1800 Wed,Sun NF 12120 SAM

**Radio Sagalee Oromia** in Oromo  
 1730-1800 Mon,Thu,Fri NF 12120 SAM

**Dejen Radio** in Tigrina  
 1700-1800 Sat NF 12120 SAM

**Radio International** in Persian  
 1730-1815 Daily 7520 MDA

**Radio Sedoye Payem e Doost** in Persian  
 1800-1830 Wed,Fri-Mon 7480 MDA

**Voice of Biafra International** in Igbo/En  
 1900-2000 Sat 12125 SAM

**Eurosoner Radio** in German  
 2000-2100 Sat 7590 ARM

**World Falun Dafa Radio** in Mandarin-Chinese  
 2100-2200 Daily 5925 IRK and 9945 DB

(R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)

On Dec 6 at 0530 I noted **Tyvinskoye Radio** from Kyzyl on 6100. I don't know if Tyvinskoye R, Kyzyl, discovered again 6 Dec on 6100 kHz! Time was 0530, good reception. Subsequent observations revealed that Radio Rossi relay begins at about 0100, but freq is subject to heavy QRM during this time. DW co-ch gradually fades out after 0500, giving the possibility to listen to daytime broadcasting from Kyzyl. Signal of Tyvinskoye Radio is good and clear until 1300, then it goes under the QRM (or maybe even is s-off). I couldn't manage to get a QSL from this station yet, and nobody else reported about any reply received. Try to write to: GTRK "Tyva," ul.Gornaya 31, Kyzyl, 667003, Respublika Tyva, Russia. (Vladimir Kovalenko-RUS, DX Signal Dec 19/BC-DX/Bueschel-GER)

3922.7, 22 Nov, 2125. **Radio Samorodinka**, Moscow, 22332. I have never tried to hear it before, but there it was, the one-man (?) talk show, with a strong basis of articulation and massive Russian men's choirs. Just like other DX-ers have described it. Sign off at 2145 (Johan Berglund, hard-core-dx via DXLD/Hauser)

**SIERRA LEONE** 3316 **SLBS** 2157-2312 I've been hearing something here the last couple of weeks, however noise levels made it difficult to copy anything, until today. Pop song at tune-in, followed by what sounded like an advertisement. At the ToH, the usual sequence of drums, ID by M as "Sierra Leone Broadcasting Service," then their national news. Music was heard until 2312, when I tuned away. When I re-checked at 2330, they were gone. (Maroti, Nov 23/Cumbre/Johnson)

**SINGAPORE** There are three registrations shown in the Merlin assignments for B-01 for a client designated as "Earth One," for the Singapore facility.

0100-0300 15345  
1400-1600 11865  
1600-1800 11750

It is possible that this may be the organisation known as the "One Earth Radio Broadcasting Corporation," at <http://www.oneearthradio.com/> However, it may not be! (Padula-AUS/EDXP)

**SLOVAKIA** *Radio Slovakia International*

0100-0130 English 5930 7230 9440  
0100-0200 Slovak 5930 7230 9440  
0230-0230 French 5930 7230 9440  
0700-0730 English 15460 17550 21705  
0730-0800 Slovak 15460 17550 21705  
0800-0830 German 5915 6055 7345  
1400-1430 Russian 9440 11990 13715  
1430-1500 German 6055 7345 9450  
1600-1630 Russian 5915 9535 11990  
1630-1700 Slovak 5915 6055 7345  
1700-1730 German 5915 6055 7345  
1730-1800 English 5915 6055 7345  
1800-1830 French 5915 6055 7345  
1830-1900 Russian 5915 6055 9485  
1900-1930 German 5915 6055 7345  
1930-2000 English 5915 6055 7345  
2000-2030 Slovak 5915 6055 7345  
2030-2100 French 5915 6055 7345

(BBCM)

**SWEDEN** *Radio Sweden* (format: planned freq/alt freq)

0000-0030 Swedish 9495  
0100-0130 Swedish 9635/7145 9495/7290  
0130-0200 English 9495/7290  
0200-0230 Swedish 9495/6080-Sackville  
0230-0300 English 949/6020-Sackville  
0300-0330 Swedish 9495/9755-Sackville  
0330-0400 English 9495/9755-Sackville  
0500-0530 Swedish 9495(exc.Jan)/7155(Jan only)  
0500-0700 Swedish 6065 17505 Mo-Fr  
0600-0800 Swedish 9490 Mo-Fr  
0700-0900 Swedish 6065 17505 Sa  
0800-1000 Swedish 6065 17505 Su  
1100-1110 Swedish 9490 17505 21810  
1110-1130 Swedish 9490 17505 21810 Sa/Su  
1130-1140 Swedish 17505 18960 21810  
1140-1200 Swedish 17505 18960 21810 Sa/Su  
1230-1300 English 18960  
1300-1315 Swedish 9430 18960  
1300-1330 Russian 17810  
1315-1330 Swedish 17505 18960  
1330-1400 English 9430 17505 18960  
1400-1415 Swedish 17505/9430 18960  
1400-1430 Russian 9865  
1415-1430 Swedish 17505/9430 18960  
1430-1500 English 17505/9430 18960(NoAM)

1500-1530 Swedish 17505 18960  
1545-1600 Swedish 18960  
1545-1715 Swedish 6065 Mo-Fr  
1600-1630 Swedish 5840  
1645-1700 Swedish 13765 17505 Sa/Su  
1645-1700 Swedish 6065 Sa/Su  
1645-1715 Swedish 13765 17505 Mo-Fr  
1700-1715 English 6065 Sa/Su  
1715-1730 Latvian 6065  
1730-1745 English 5830  
1730-1800 Russian 6050 6065  
1745-1800 Latvian 5840  
1800-1815 English 6065 Mo-Sa  
1800-1900 Swedish 6065 Su  
1815-1830 Latvian 6065 Mo-Sa  
1830-1900 English 5840(Suonly) 6065  
1900-1930 Swedish 6065 9765 11615  
1930-2000 German 6065 Mo-Sa  
1930-2000 Russian 5840  
1930-2030 German 6065 Su  
2000-2030 Russian 6065 Mo-Sa  
2000-2030 Swedish 6065 9445 Su  
2030-2100 English 6065 9445  
2100-2200 Swedish 6065 11615  
2200-2230 Swedish 6065 7325  
2230-2300 English 6065 9435

(R. Sweden/Bueschel-GER/Worldwide DX Club/Kubiak-GER)

**SWITZERLAND** *Swissinfo—Swiss Radio International*

0600-0630 French 9885j 13635j 17665  
0630-0700 German 9885j 13635j 17665  
0700-0730 Italian 9885j 13635j 17665  
0730-0800 English 9885j 13635j 17665  
0830-0900 English 21770  
0900-0930 Italian 21770  
0930-1000 German 21770  
1000-1030 French 21770  
1630-1700 Italian 9605j 13790j 15555  
1700-1730 Arabic 9605j 13690j 15555  
1730-1800 English 9605j 13790j 15555  
1800-1815 French 9605j 13790j 15555  
1830-1900 Italian 9605j 13660 15485j 17660f  
1900-1930 Arabic 9605j 13660 15485j 17660f  
1930-2030 English 9605j 13660 15485j 17660f  
2030-2100 German 9605j 13660 15485j 17660f  
2100-2130 French 9605j 13660 15485j 17660f  
2200-2230 French 9885 11660f  
2230-2300 German 9885 11660f  
2300-2330 Italian 9885 11660f  
2330-2400 English 9885 11660f

f=Montsinery, French Guiana  
g=Juelich, Germany (BBCM)

**UNITED ARAB EMIRATES—ABU DHABI** 6040 today Dec 2, I noticed a NEW broadcast from *High Adventure* on 6040 at 0045 in Tamil, 0100 in Malayalam & 0145 Sinhala. It s-off at 0130 with English ID and address as P.O.B. 2801, EASTBOURNE—East Sussex -BN21 2EQ—UK. email: <highadven-

tureuk@hotmail.com> (Jose Jacob-IND, dx\_india,  
Dec 1/BC-DX/Bueschel-GER)

**UNITED STATES OF AMERICA Voice of America**

0000-0030	Indonesian	21615	1200-1230	Spanish	9455 9480 13715 15390 17875
0000-0100	Mandarin	6045 7190 9545 11925 15395 17765	1200-1300	Mandarin	6160 9530 9680 11785 11965 11995 12040
0000-0100	Tibetan	6015 7200 7255 9555	1215-1230	Dari	13605 15705
0030-0100	Hindi	6090 7175 9505	1230-1300	Creole	9525 11890 15265 Mo-Fr
0100-0130	Urdu	6170 9705 9750	1230-1300	Persian	13605 15705
0100-0200	Mandarin	7190 9545 11925 15395 17765	1300-1330	Vietnamese	9720 9890 15145
0130-0200	Bengali	11805 15210 17780	1300-1400	Cantonese	9865 11865 15160
0130-0200	Pashto	6170 7270 9505 9705 11865	1300-1400	Korean	5985 9555 11895
0200-0230	Dari	6170 9705 9750	1300-1400	Mandarin	6160 7390 9680 9790 11785 12040 15500
0200-0300	Mandarin	11925 15395 17765	1330-1430	Cambodian	5955 9720 11930
0300-0430	Persian	7200 9435 15705 17855	1330-1430	Urdu	9505 15190 17870
0330-0400	Kinyarwanda	7340 9585 11915	1400-1500	Arabic	11690 13735 15265
0400-0430	Indonesian	21780	1400-1500	Mandarin	6160 7390 9680 9790 11785 15500
0400-0430	Kirundi	5995 7340 9585 11915	1400-1500	Russian	7255 9615 11895 11945 15130 15370
0400-0600	Arabic	5965 7115 9665 11670 11865 15160	1400-1500	Tibetan	6015 7290 11790 12040
0400-0600	Tibetan	15585 17630 17770 21560	1430-1500	Burmese	5955 9720 11930
0430-0500	Portuguese	5890 5975 5995 6125 7145 7370 9480 9675	1430-1530	Pashto	11770 11990 15705
0500-0530	Arabic	15705 17855	1430-1530	Persian	13650 15290 17855
0500-0530	Hausa	4960 6120 7105 9885	1500-1530	Arabic	11955 13735 15120 15265
0500-0600	Ukrainian	6170 7245 9695	1500-1545	Uzbek	7135 9810 11680 7295 9745 11850
0530-0600	Croatian	6180 7165 9615	1500-1600	Cantonese	6030 7255 13625
0530-0630	French	4960 5890 6120 7265 7370 9480 9505 11655 13695 15375 Mo-Fr	1500-1600	Vietnamese	5955 7150 9725 9780
0600-0630	Albanian	6030 6125 9635	1530-1600	Georgian	9770 11850 13670
0630-0700	Serbian	6035 6125 7115	1530-1630	Dari	7260 11770 15705
0700-0800	Mandarin	11855 11965 12010 13615 13760 15515 17855	1600-1630	Arabic	11950 13735 15120
0730-0830	Arabic	6045 7170 9565 9615 11805 15165 15235 15440 17875	1600-1630	Armenian	9815 11760 15370
0800-0900	Mandarin	11855 11965 12010 13760 15515 17855	1600-1700	Bengali	7280 9855 11895 15265
0900-1000	Mandarin	9845 11855 11965 12010 13650 13760 15515 15665 17855	1600-1700	Kurdish	6160 7290 15115
1000-1100	Mandarin	9845 11855 11965 12010 13615 13650 13760 15515 15665 17855	1630-1700	Hindi	6060 9815 15130
1030-1045	Pashto	13660 15215 17665	1630-1700	Swahili	15580 17580 17705 21480
1045-1100	Dari	13660 15215 17665	1700-1730	Albanian	5970 9705 11905
1100-1200	Arabic	15165 15235 17895	1700-1730	Portuguese	7290 11775 13600 15545
1100-1200	Mandarin	6160 9530 9680 11785 11965 12040	1700-1730	Swahili	15580 17580 17705 21480 Mo-Fr
1130-1200	Burmese	6100 9890 15205	1700-1730	Urdu	11975 13680 15130
1130-1200	Persian	15415 17560 17730	1700-1800	Arabic	6040 7105 11690 11855 12035
1130-1200	Spanish	9535 11890 15265 Mo-Fr	1700-1900	Persian	6160 9680 11835
1130-1230	Indonesian	7215 7255 9720 11930 15160	1730-1800	Creole	15385 17565 21540
1200-1215	Pashto	13605 15705	1730-1800	Hindi	11975 13680 15130
			1730-1800	Portuguese	7290 9815 11775 13600 15545 17785 21485
			1800-1830	Amharic	13675 15160 17640
			1800-1830	Portuguese	7290 9815 11775 13600 15545 17785 21485 Mo-Fr
			1800-1830	Serbian	6115 9695 11750
			1800-1900	Arabic	7180 7205 9530 9770 11825 11905 11960
			1800-1900	Russian	6105 7220 9520 9660 9725 11770
			1830-1845	Tigrinya	13675 15160 17640
			1830-1900	Azeri	6170 9545 9695

1830-2000	French	9780 9815 11775 12080 15220 17580 21845	0400-0500	Russian	5955 6105 7220 9520 9680 11885
1845-1900	Oromo	13675 15160 17640 Mo-Fr	0400-0500	Tatar-Bashkir	7255 9615
1900-1930	Dari	7260 9575 11865	0400-0500	Ukrainian	6170 7245 9750
1900-2000	Arabic	6040 7195 7205 9530 9615 11905 17740	0400-0600	Belarusian	6140 9635 9835
1900-2000	Russian	6105 7220 9505 9520 9660 11770	0430-0500	Persian	9585 12015 15705 17855
1900-2000	Turkish	6160 9770 11875	0500-0600	Georgian	6105
1930-2000	Albanian	7115 9600 9680	0500-0600	Russian	5955 7190 7220 9520 9680 11885
1930-2000	Croatian	6050 6170 7245	0500-0730	Persian	9585 12015 15290
2000-2030	French	9780 9815 11775 12080 15220 21845	0600-0700	Arabic*	11965 15400
2000-2100	Arabic	6040 6060 6160 7195 7205 9530 9650 11905 17740	0600-0700	Russian	7190 7220 9520 9680 11875 11885
2030-2100	French	9780 9815 11775 12080 15220 21485 Sa/Su	0600-0700	Tatar-Bashkir	11730 11855
2030-2100	Hausa	9780 9815 11775 12080 15220 Mo-Fr	0600-0700	Ukrainian	6170 7245 9695
2030-2100	Serbian	7180 9600 9625	0700-0730	Bulgarian	95655
2100-2130	French	5985 9780 9815 11775 12080 15220 17755 21485 Mo-Fr	0700-0800	Russian	7220 9520 9680 11875 11885 15205
2100-2130	Ukrainian	7190 9565 11875	0800-0900	Russian	9520 9680 11885 15205 15250 15370 17845
2130-2200	Korean	6060 7110 12065	0830-0900	Serbo-Croat	9565 11730 15215
2200-2230	Cambodian	6060 7260 9535 13745	0900-1100	Russian	9835 11930 15410 15445
2200-2230	Creole	9525 9670 21540	1100-1130	Bulgarian	17730
2200-2230	Serbian	7195 9540 9655	1100-1200	Russian	9805 11725 11885 15215 15370 17806
2200-2300	Mandarin	5905 6025 6045 7140 9545 11925 15395	1200-1300	Kazakh	9520 11795 17750
2200-2330	Indonesian	7130 9620 11805 15205	1200-1300	Russian	9805 11725 11885 15215 15370 17806
2230-2330	Vietnamese	6060 7260 9535 13745	1300-1330	Kyrgyz	7160 9690 11670
2300-2359	Spanish	9480 12010 13715 15265 15510 17565	1300-1400	Russian	7220 9615 9805 11725 11885 15370
2330-0000	Burmese	6185 7260 9865	1300-1400	Uzbek	9635 13605 15215 15705
(BBC + R BUL Observer, Ivo Ivanov and Angel Datzinov/BC-DX/Bueschel-GER)			1400-1430	Kyrgyz	11855 15415 17820
			1400-1430	Persian	9435 11730 13605 15195 15705 17885
			1400-1430	Serbo-Croat	9660 11885 13745
			1400-1500	Arabic*	6130 9685 11835 11910
			1400-1500	Kazakh	9695 11970 17630
			1430-1500	Persian	9435 11730 15195 15705 17885
			1500-1600	Armenian	11895
			1500-1600	Russian	7220 9520 11805 11885 13695 15130
			1500-1630	Tajik	9695 11705 11910
			1500-1700	Arabic*	6130 9685 11835 11965
			1500-1700	Bulgarian	9625
			1500-1700	Persian	9435 11730 15410 17885
			1600-1630	Romanian	7165 9725
			1600-1700	Azeri	9795
			1600-1700	Georgian	7115
			1600-1700	Kyrgyz	7270 9660 9675
			1600-1700	Russian	6105 7220 9520 11865 11885
			1600-1700	Tatar-Bashkir	9505 9835
			1600-1800	Belarusian	7190 9615 15460
			1630-1700	Turkmen	11770 15705
			1700-1730	Romanian	7165 9725
			1700-1800	Armenian	9845 11805
0000-0100	Kazakh	6135 7145 9625			
0000-0100	Persian	6170 9750			
0000-0100	Russian	5955 5985 7155 7220 7235 9520			
0100-0200	Kyrgyz	6050 7295 9555			
0100-0200	Russian	5985 6095 7155 7220 7235 9520			
0200-0300	Arabic*	5965 7105 7175			
0200-0300	Kazakh	6135 7145 9625			
0200-0300	Turkmen	6160 7295 9680			
0200-0400	Uzbek	5985 7190 9725			
0230-0330	Tajik	6050 7275 9585 9705- (0230-0300) 15705-(0230- 0300)			
0300-0400	Arabic*	5965 7110 7175			
0300-0400	Armenian	6130 7120			
0300-0400	Russian	5955 6105 7155 7245 7255 9520			
0400-0430	Romanian	6010 6030 Mo-Fr			
0400-0500	Azeri	9725			

1700-1800	Russian	6105 7220 9520 11865 11885
1700-1800	Serbo-Croat	7115 7245 9695
1700-1800	Uzbek	7260 9625 9660
1730-1800	Romanian	7165 9725 Mo-Fr
1800-1900	Belarusian	6150 7280 9865
1800-1900	Ukrainian	5985 7115 9625
1830-1930	Serbo-Croat	7155 9705
1900-2000	Azeri	9670
1900-2000	Belarusian	6140 7280 9865
1900-2000	Romanian	7165 9725 Mo-Fr
1930-2000	Serbo-Croat	7155 9625
2000-2030	Albanian	7180 9600 11765
2000-2100	Georgian	9505
2000-2100	Tatar-Bashkir	6140 7245
2000-2200	Belarusian	6010 6170 9845
2000-2200	Russian	5995 6105 7220 7265 9520 9620 9865
2000-2300	Persian	7280 9835
2100-2200	Serbo-Croat	7165 7175 9680
2100-2300	Arabic*	6140 9645
2200-2300	Russian	6095 6105 7220 9520 9865
2300-0000	Russian	6095 7155 7220 7235 9520
2300-0100	Serbo-Croat	6115 7115 9725

\*=Radio Free Iraq (BBCM)

#### KNLS - the New Life Station

0800-0900	English	11765
0900-1000	Russian	9615
1000-1100	Mandarin	9615
1100-1200	Russian	9615
1200-1300	Mandarin	9615
1300-1400	English	11765
1400-1700	Mandarin	9615
1700-1800	Russian	9615

(BBCM)

7354.37 **WRNO** New Orleans LA 0114h Presumed, no ID given through 0302 signoff. Continuous Christmas and gospel songs throughout the listening period. Signal unusually strong, 10+/S9, but with extreme warbling QRM on the upper sideband. (Fine 20 Dec)

On December 24, 2001 **WWRV** [sic], Manchester, TN was testing on 12172 kHz. Heard in progress at 1528. The audio quality actually was good. Reception reports were requested to **WWRV**, Box 7, Manchester, TN 37349-0007 USA. Enclose a SASE. **WWRV** was testing a 200 foot antenna beamed to the Middle East and Africa (Mike Peraaho/DX Listening Digest/Hauser-OK)

Tuned in at 1735 Dec 24 and promptly heard a strong signal, slight fading, lo-fi audio, in the voice of Dave Frantz, with this 65-second loop on AM 12172:

"This is radio station **WWRB**, Worldwide Radio Broadcasting. Currently, we are testing our new an-

tenna to the Middle East and Africa. This antenna sits at approximately 200 feet high above ground level. If you would like to receive from radio station **WWRB** a verification letter of reception, please send your reception report to radio station **WWRB**, Box number 7, Manchester, Tennessee, USA, Postal code 37349-0007. Again, Radio Station **WWRB**...Please be sure to include a self-addressed stamped envelope with the reception report. Thank you."

Yet another call change, maybe the last one for this spinoff of **WGTC/WWFV**. Wonder if this is their very first test on air? Have seen no reports previously. Still going past 1800. So Dave expects all those Middle-Easterners and Africans to have US stamps handy, and in the proper amount, which is? (Glenn Hauser, OK/DX Listening Digest)

**URUGUAY** 6010.37 NF **Emisora Ciudad de Montevideo**, 1353-1415+, Nov 25, with comments about the "Carnaval" in the programme "Rememorando," 1401 ID as "En su receptor CX42 Emisoras Ciudad de Montevideo, Uruguay, transmitiendo en 1360 khz, la frecuencia que se sintoniza con mayor frecuencia" & "Por CX42, Emisoras Ciudad de Montevideo, el Carnaval y su gente, "Rememorando", " then comments by announcer. Nothing on 9650 khz. (Barrera-ARG)

**UZBEKISTAN Radio Tashkent** Some programs in Uzbek for Uzbeks abroad identify as "Radio Vatandosh" (Vatandosh=Homeland).

0000-0030	Uyghur	5040
0100-0130	English	5955 5975 7215
0130-0200	Dari	5955 5975 7215
0200-0230	Pashto	5955 5975 7215
0230-0330	Uzbek	5955 5975 7215
0600-0630	Turkish	15165 15330
1200-1230	English	5955 5975 6025 9715
1230-1300	Urdu	5955 5975 6025 9715
1300-1330	Hindi	5955 5975 6025 9715
1330-1400	English	5955 5975 6025 9715
1330-1430	Uyghur	5040
1400-1430	Urdu	5060 5975 6025 9715
1430-1500	Hindi	5060 5975 6025 9715
1430-1500	Mandarin	5040
1500-1530	Uyghur	5040
1520-1550	Dari	5975 6025 7285 9540
1550-1630	Uzbek	5975 6025 7105 7285 9540
1630-1700	Persian	5975 6025 7285
1700-1730	Arabic	5975 6025 7285
1700-1730	Turkish	7105 9540
1730-1830	Uzbek	5975 6025 7105 7285 9540
1830-1900	Persian	5975 6025 7105 7285 9540
1900-1930	Arabic	5975 6025 7105 7285 9540
1935-2030	German	5025 5035 5060 7105 9540 11905
2030-2100	English	5025 11905
2130-2200	English	5025 11905
2330-2400	Mandarin	5040

(BBCM)

**VIETNAM** *Voice of Vietnam*, B-01 schedule as at Nov-01, 2001:

0000-0100	Vietnamese	9730 13740
0100-0130	English	6175S
0130-0230	Vietnamese	6175S
0230-0300	English	6175S
0300-0330	Spanish	6175S
0330-0400	English	6175S
0400-0500	Vietnamese	6175S
1000-1030	English	9840-12020
1100-1130	English	7285
1100-1130	Spanish	9730 13740
1130-1200	Russian	9840 12020
1230-1300	English	9840 12020
1300-1330	French	9730 13740
1300-1330	Russian	7285
1330-1400	English	9730 13740
1600-1630	English	9730 13740
1630-1700	Russian	9730 13740
1700-1800	Vietnamese	9730 13740
1800-1830	English	7440M
1830-1900	French	9730 13740
1830-1930	Vietnamese	7440M
1900-1930	English	9730 13740
1930-2000	French	7440M
2000-2030	Russian	7330M
2000-2030	Spanish	9730 13740
2030-2100	English	9730 13740
2030-2130	Vietnamese	7330M
2100-2130	French	9730 13740
2330-0000	English	12020 9840

M=Moscow, Russia  
S=Sackville, Canada  
(EDXP/Padula-AUS)

**Vietnamese regionals list**

4795.8	Son La /1200-1400* not active at 2200 UT onwards.
4930	Yen Bai presumed time schedule / 1000-1400*
5034.7 //	VoVTN-4(as listed) /1155-1330* /
6165	2200-2300*
v5596.8 //	Lao Cai /0945-1058* /1200-1400* /
6762.6	2230-2300*
v6380.3	Lai Chau /1055-1330* /2200-2300*
v6500.7	Cao Bang /1200-1400*

(Roland Schulze, Mangaldan-PHL, Nov 16-28/BC-DX/Bueschel-GER)

5035.33 *Dia Tieng Noi*; Hanoi, 2154-2204, Noted open carrier. Test tone at 2155, followed by music (Anthem?). At 2159 ID by female, opening tune (same as used by external service). Male talk in Hmong. Then songs with high female vocals. Up here now, from their usual spot just below 5035 kHz. (Veldhuis Nov 30/Cumbre/Johnson)

6380.7 *Lai Chau BC Station* 2249 Very tentatively this one with woman talking in tonal language; man took over at 2253 and woman returned

soon thereafter. Local music at 2255, then man again. Audio disappeared till 2301, when man was audible once again. Very weak and choppy; also faintly audible the following morning around 1145. (Hill, Dec. 3)

**ZIMBABWE** *Shortwave Radio Africa*, a new Zimbabwean independent radio station, was expected to start broadcasting to Zimbabwe yesterday evening.

The station, which is run by Zimbabweans, will broadcast from the United Kingdom three hours a day everyday through the shortwave frequency band.

"SW Radio Africa will begin operating this Wednesday [19 December] from 6-9pm [1600-1900 UTC] seven days a week on shortwave 6145 kHz in the 49-metre band," said the station's spokesperson.

"Since the station will be operating from shortwave, there is no need to get a licence from the government."

The spokesperson said the station was not affiliated to any political party or institution but aimed to give hope to many Zimbabweans who have been weighed down by a growing economic and political crisis.

"The station is run by Zimbabweans for Zimbabweans and will give listeners unbiased information so they can make informed decisions not just on political issues but on other aspects of their lives," the spokesperson said.

"SW Radio Africa will provide balanced and in-depth news coverage and a comprehensive look at current affairs and social issues, with emphasis on HIV, health and voter education." Source: Financial Gazette web site, Harare, in English 20 Dec 01 (BBCM/DX Listening Digest/Hauser-OK)

**UNIDENTIFIED** 4600.3 UnID 0112 A Latin here with mostly Andean ballads and hyper DJ in Spanish; very weak amid extremely noisy conditions. Faded down below audibility before 0200. Not readable any day since. (Hill, Dec. 19)

17004USB, *Radio Carama* (tentative), 0826 Dec 15, High paced commercial format with popular music. I think the language was Portuguese, but not 100% sure. Heard ID given at least 3 different times. Listening to the recording over and over again; I think the name is Radio Carama with the accent on the 2nd syllable. My guess is this might have come from Brazil. Sounded like a relay of a commercial broadcast station. Was it a pirate, feeder, or something else? Signal was quite nice from 0826-0845, weak by 0900, and inaudible by 0920. (David Hodgson, TN/DX Listening Digest/Hauser-OK) 

# Pirate Radio Report

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

Hello and welcome to the first **Pirate Radio Report** of 2002. Conditions over Christmas were only fair to poor so many stations faded out early or were not heard at all. Even so, there were a few good catches made.

## Europirates Experiment With Higher Frequencies

A couple of Europirates from Holland have been testing on higher frequencies as follows:

**Radio Omroep Zuid/ROZ** has been using 21890 kHz on Saturday mornings between 1200-1500 UTC often with good results. Operator Hans has not announced a maildrop but correct reception reports may be emailed to: roz.an@iae.nl or roz.nl@iae.nl. They have a full data world map QSL and form letter. [Lobdell-MA]

**Radio Victoria**, also from Holland was heard testing on 25610 kHz at 1330 UTC on Christmas Day. They were heard with good signals in TN. [Dave Hodgson-TN]

So in addition to the 6200-6400 kHz and 7400-7500 kHz ranges there are other spots to log these stations.

## Loggings...

All times and dates UTC. Many thanks to Brian Alexander-PA, Ralph Brandi-NJ, Ross "Da Boss" Comeau-MA, Rich D'Angelo-PA, Dave Hodgson-TN, George Zeller-OH

**Crunch Radio** was logged on December 18<sup>th</sup> at 0305-0343 on 6950 with a classical mx program and an Uncle Albert parody. [D'Angelo-PA]

**Ground Zero Radio** was heard on 6950 kHz at 0040 to 0102\* with a pirate radio quiz and an ad for nude jiffy lube. [Alexander-PA]

**Indira Calling** was on 6925 kHz logged on November 24<sup>th</sup> at 0125 UTC with a Calcutta address playing Beach Boys music. [Alexander-PA]

**KRMI/Radio Michigan International** was logged on 6950 kHz on Dec. 25<sup>th</sup> at 0344 UTC

and again on 6925 kHz at 0443 UTC. Funny songs including one about Santa Swearing at kids. [Comeau-MA]

**Melvin Malfunction Radio** was heard on Dec. 16<sup>th</sup> at 0324 and again at 0349 with a program of instrumental Xmas music played on a synthesizer.

**Oxycontin Radio**. A new station was heard on 6950 kHz USB on Dec. 23<sup>rd</sup> at 1531 past 1547 UTC. With taped segments from Jay "Bozo" Smilkstein". Station IDs and mention of "drugs that make sense". [Comeau-MA]

**Paragon Radio**, logged on Dec. 8<sup>th</sup> at 0350 on 6950 kHz with man playing "Super Mario 3" video game on the radio. ID as "Paragon Radio playing through fish world and World 3" [Brandi-NJ]

**Psycho Radio**. Heard on 6955 kHz at 0228 UTC on Dec. 23<sup>rd</sup> with Rap, punk rock and interviews with Walt. [Comeau-MA]

**Radio Free Euphoria**, Captain Ganja's pro-drug station was logged on 6925 kHz on Dec. 16<sup>th</sup> with a comedy program about drugs and Xmas parody songs. [Zeller-OH]

**Radio Free Speech**, the station Bill O. Rights built, was logged on 6908 kHz in the AM mode on Dec. 25<sup>th</sup> at 0028 UTC with a Christmas special. [Comeau-MA]

**WMOE**, The Three Stooges Station was heard on December 15<sup>th</sup> at 0228 with Stooges Christmas Sketches, ID at 0230 on 6925.4 kHz. They gave an email address of WMOE6955@yahoo.com for reports and also use the Box 1, Belfast NY 14711 maildrop. [Brandi-NJ]

**WPAT**, an apparent new station. was heard on Dec. 15<sup>th</sup> at 0402 with trucking songs such as "Convoy", etc. and said it was part of the *Lake Superior Radio Network*. [Brandi-NJ] Also heard Dec. 16<sup>th</sup> at 0107 UTC saying future plans include a 2 kw transmitter. Gave email of wpat6955@hotmail.com for reception reports. [Zeller-OH]

Until next month, Happy Pirate DX! 

# QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010



Time to take another romp through the best in the business.

**ASCENSION ISLAND: Radio Telefis Eireann** 21630 via **English Bay** f/d form ltr. w/ brochure in 12 ds. for 1 IRC. v/s Julie Hayde, Broadcasting Developments. (Brouillette-IL).

**AUSTRALIA: Radio Christian Voice** 21550 and 21680 ltr. from Voice International Ltd. w/ no reference to RCV in 6 wks. v/s Mrs. Lorna Manning, Site Administrator. (Field-MI).

**AUSTRIA: Radio Austria International - ORF** 9870 f/d ltr. w/ schedule in 3 wks. (Field-MI).

**BHUTAN: Bhutan Broadcasting Service** 5030 I was

**STATION INFO: Radio Republik Indonesia** 3325 via **Palangkaraya** v/s Drs. Parlin Tobing, Stasiun Manager. Also Murniaty Oesin, Transmission Department Engineer. **Radio Republik Indonesia** 4875 via **Sorong** v/s Umar Solle, Stasiun Manager. **RAI International** 9670 Addr: Servizio Qualita Controllo, Sig.ra Vassallo, RAI Way, CP 320, IT-00100 Roma, Italy. **Radio Sunshine** 6015 via **DTK Julich** Addr: Kirchstrasse 38, BE-4720 Kelmis, Belgium. **TGAV Radio Verdad** 4052.5 v/s Dr. Edgar Amilcar Madrid Morales, Director y Gerente. Addr: Estacion Educativa Evangelica Radio Verdad, 4a Avenida, 2-24, Zona 1, Apartado 5, Chiquimula, Guatemala. **Voice of Kampuchea** 11940 v/s Sen Thach, Director....via PLAY DX...Sam.



**RADIO UNO** *La Diferente*  
1200 A.M. Stereo **NOTICIAS**

PERIODISMO DE INVESTIGACION VERAZ E INDEPENDIENTE

Chiclayo (Perú). 24 de Setiembre del 2001.

Señor: Adia N. Durden  
840 Westview Drive  
Ciudad: Albany, Georgia 31705 EE.UU.

De nuestra consideración:

Por medio de la presente le reiteramos nuestro saludo, y de antemano nuestra confianza por el trabajo que viene desarrollando, por consiguiente quisiéramos mantener una estrecha comunicación permanente con sí digna persona.

Asimismo quiero manifestarle que efectivamente los datos que Ud. me informa son verdaderos que a continuación le paso a detallar:

Radio Uno trabaja en dos frecuencias.

O.C. = Onda Corta  
Frecuencia: 4,570 Khz  
Banda de 60 metros  
A.M = Onda Media  
Frecuencia: 1,280 Khz

\* very surprised to find a f/d cd. QSLing my 2 December 93 receptions. Personal ltr. was rcvd. from Sonam Tobgay, Station Engineer. (Sgrulletta-NY..Great.

**BOLIVIA: Radio Emisora "Malluk" - La Voz del Altiplano Sud** 4796.4 very long detailed ltr. in SP in 6 wks. w/ a beautiful colored station pennant. v/s Fredo Juarez Huarachi. (Bar-to-CT).

**BRASIL: Radio Capixaba Ltda.** 4935 f/d cd. w/ personal ltr. in 2 mos. for a PT rpt.



Afghani Democratic Republic



BAMYAN BUDDHA  
height  
55 meter

via Pagano  
and others

**QSL**  
**RADIO AFGHANISTAN**

v/s Jose Valdemar do Prado, Gerente Geral. (Barto-CT). **Radio Gazeta** 5955, 9685 and 15325 p/d ltr. in 3 mos. for a PT rpt. (Barto). **Radio Aparecida** 5035.3, 9630 and 11855. f/d cd. w/ personal ltr. and station stickers in 7 wks. for a PT rpt. v/s Cassiano Alves Macedo, DX Editor of "Encontro DX", which is on the station on Saturdays at 2200UTC. Addr: C.X. Postal 14.547, 03632-970 Sao Paulo. He is requesting taped IS from Europe or Asia. (Barto). **Radio Record** 6150 p/d ltr. w/ 3 decals

in 5 wks. for a PT rpt. v/s Albertino Zamarco Junior, Gerente Adm. E Financ. (Barto-CT). **Radio Relojo** 4905 n/d computer generated ltr. w/ 4x8" sticker of their AM station in 1 mo. for ms. and address label (both used). (Sgrulletta-NY). **Radio Anhanquera** 4905 p/d prepared cd. in 3 1/2 mo. after a ltr. was mailed in Brasil w/ cover ltr. from the President of the Radio Clube Do Brasil, M.C. de Castro. This was for ms. and a tape recording. (Sgrulletta-NY).

**BULGARIA: Radio Bulgaria International** 7500 via **Plovdiv** f/d cd. in 3 1/2 mos. w/ station schedule. (Barto-CT).

**STATION INFO: Radio Senado** 5990 v/s Cezar Moura Da Motta, Director. Addr: Senado Federal, Anexo 11, Terreo, CEP-70165-900, Brasilia, DF, Brasil. **Cameroun Radio and Television** 4850 v/s James Achanyi-Fontem. Addr: P.O. Box 1460 Douala. **Guyana Broadcasting Corporation** 3290 v/s M. Phillips. Addr: Broadcasting House, 44 High Street, Werk-en-Rust, Georgetown. **AFRTS** 10320 via **Pearl Harbor** v/s April Ball. **HRVC** 4820 **La Voz Evangelica** v/s Dina Zuniga. Addr: Apartado 3252, Tegucigalpa, Honduras. **All India Radio** 3345 via **Imphal** v/s R. Nara Simhaswamy, Superintendent Engineer. **All India Radio** 5040 via **Jeypure** v/s A. Chanti Babu, Assistant Station Engineer. **Radio Republik Indonesia** 3935 via **Denpasar** v/s I. Ngurah Oka, Kepala Stasiun Teknik. **Radio Republik Indonesia** 3265 via **Gorontalo** v/s Drs. Bagus Edi Asmoro... via **PLAY DX**.

### Deutsche Telekom

Deutsche Telekom AG  
Gesellschaftsbereich Rundfunk und Breitbandkabel  
Funkstellen-Gesellschaft  
Mensche 10/10  
52 028 Jülich  
Mr. George L. Glotzbach  
5 Herrada Court, Santa Fe,  
New Mexico, 87505  
U.S.A.

**CANADA: Radio Canada International** 15325, 9755, 13670 and 17695 "Marconi" cds. w/ schedule, station pennant and sticker in 1 mo. (Field-MI)

Short-wave Radio Station Jülich, Germany, Walter Brodowsky  
phone: ++49 2461 697 350 fax ++49 2461 697 372  
19. July 2001  
Three reception reports from 29. June 2001, 04. July 2001 and 07. July 2001.

Dear Mr. Glotzbach,

Thank you very much for your kind reception reports which we received by mail a few days ago. We appreciate very much your interest and your support for Deutsche Telekom Short-wave Radio Station Jülich. Also, we sent your reception reports to our clients.

We confirm your reception reports for the following transmission:  
**Voice of Oromo Liberation (SBO)** on 15.715 kHz, date 29. June 2001  
**Ethiopes for Democracy (EFD)** on 15.715 kHz, date 04. July 2001  
**Radio Ecclesia (ECC)** on 15.545 kHz, date 07. July 2001

Please find attached for confirmation another photograph of Deutsche Telekom Short-wave Radio Station Jülich. Please find also attached the latest edition of our summer schedule A01 from 18. April 2001.

We hope that you will listen to the programs of our customers in the future also.

Kind regards from Deutsche Telekom Short-wave Radio Station Jülich

Yours sincerely

*Walter Brodowsky*  
Walter Brodowsky  
Broadcasting Account Manager of Short-wave Radio Station Jülich

### CHINA, PEOPLES REPUBLIC

**OF: China Radio International** 15415, 11980 and 9760 f/d "Gardens of Suzhou Jiangsu" cd. in 2 mo. (Barto-CT). 15415, 9715, 11675 and 11980 p/d "Mount Tianshan" cd. in 7 wks. (Barto). **China National Radio - Taiwan Service** 2 11000 and 15880 f/d "Gardens" cd w/ stickers in 2 mos. (Barto-CT).

### CLANDESTINE: Voice of the

\* **People of Kurdistan**  
6995 f/d prepared cd. for SASE in 10 mos. after 2nd f/up rpt. (Kusalik-ALB). 4062



f/d ltr. in 3 wks. from the PUK. (Barto)  
 4062.4 f/d ltr. in 2 wks. Addr: Patrio-  
 tische Union Kurdistans, Postfach 21 02  
 31, 10502 Berlin, Germany. v/s Dara  
 \* Gafori. (Barto-CT). Voice of the Moja-  
hed 6540 e-mail ltr. in 23 ds. after 7  
 f/up rpts. covering 10 yrs. (Kusalik).  
CZECH REPUBLIC: Radio Prague 7345,  
 5915, 9870 and 7385 f/d cd. w/  
 postcard, schedule and sticker in  
 2 wks. (Field-MI). 15545 2 f/d "65  
 Anniversary Special QSL" and a "4  
 Valve Czech Antique Receiver" cd. in  
 22 ds. for 1 IRC. Schedule, sticker &  
 bookmark were rcvd. (Brouillette-IL).  
 7345 f/d cd. in 1 mo. (Kusalik-ALB).

**STATION INFO:** Radio Capixaba 4935 v/s Jose Valde-  
 mar do Prado, Director. Radio Cultura Filadelfia  
 6105 v/s Daniel Floriano, Operador de Audio. Addr:  
 Rua Santos Dumont 496, CEP-85851-040 Foz de Iguaza,  
 Parana, Brasil. Radiodifusora Taubate 4925 v/s Emilio Amadei Berin-  
 ghs Neto, Director Superintendente. Radio Relogio Federal 4905 v/s  
 Olindo Coutinho, Director Geral. Addr: Rua Para Mopama 131, Ribeira  
 Ilha Do Governador, CEP-21930-110, Rio de Janeiro, Brasil. Radio  
Rural Santarem 4765 v/s Padre Edilberto Sena, Director. Radio Sao

Carlos  
 2420  
 Addr:  
 C.P. 115,  
 13560-970  
 Sao Car-  
 los, SP.  
 ... via  
 PLAY DX  
 ... Sam.

 QSL Verification Card

Dear Mr. Willehov,

This verifies your report on the reception of the Voice of  
 Russia's broadcast in Spanish

Date December 20, 2000  
 Time 0100-0130 UTC  
 Freq 9810 kHz via Krasnodar

We invite you to continue listening. Please feel free to write  
 again with comments or questions about our programming.  
 Best wishes from the Voice of Russia



**ECUADOR: HCJB** 15115 f/d "Ecuadors Fiestas" cd. in 1 mo. for US ms. v/s  
 John E. Beck. (Brouillette-IL).  
**ENGLAND: Radio Korea International** 7105 via Skelton p/d cd. in 2 mos.  
 (Barto). 3975 f/d cd. w/ schedule and a series of postcards in 7 wks  
**EUROPEAN RUSSIA: Voice of Tatarstan** 11665 via Samara f/d (Barto).  
 "Kazan Mosque Zakabannaja", "National Writers Tookay Museum" and  
 "Composers House" cds. w/ personal ltr, Russian currency and a coin  
 in 3, 4 and 5 wks. (Craighead-KS). 11925 f/d "Kazan National Monu-  
 ment, The Liberty" cd. w/ Honary Diploma in 5 wks. (Craighead-KS).  
**EURO PIRATES: Jolly Roger Radio International** 6239 f/d "I Love Ireland"

\* cd. w/ f/d personal ltr  
 and postcard in 2 mos.  
 v/s Joe Vincent. 185  
 watts. (Sgrulletta-NY).  
 f/d cd. w/ ltr. and  
 lots of station info.  
 in 53 ds. (D'Angelo)  
 \* **Radio Black Arrow** 15807  
 f/d "Lady Bow/Arrow"  
 cd. in 36 ds. for tape  
 and ms. Postcards were  
 rcvd. (Kusalik). **Border-**  
**hunter Radio** 15794.8  
 f/d cd. w/ ltr. in 3  
 mos. Postcard rcvd. 20-  
 50 watts. (Kusalik).  
 15795 f/d "Treasure  
 Chest" paper cd. w/  
 personal ltr. in 69 ds  
 The station operator

**VERIFICATION**

Thank you for your report. We  
 are pleased to verify your  
 reception of WJCR World Wide  
 Radio.

Date SEPT. 7 19 2001

Time 0116 - 0230 UTC

Frequency 7.490 MHZ

Larry Baysinger, CBE  
 WJCR World Wide

**WJCR World Wide**  
 P. O. Box 91  
 Upton, KY 42784 USA  
 Ph: (502) 369-8614

*This will serve to verify your  
 RECEPTION REPORT of 9-7-2001.  
 WJCR TRANSMITTER #1 WAS  
 BEING OPERATED AT LOW POWER  
 WHILE REPAIRS WERE BEING  
 MADE.  
 AT THE TIME OF YOUR REPORT THE  
 EFFECTIVE RADIATED POWER WAS  
 APPROX. 1250 WATTS.  
 THANKS FOR THE REPORT,  
 REGARDS,  
 LARRY BAYSINGER,  
 DIR. OF ENGINEERING*

Verification Card

Dear *John Macdonald*

We thank you for your reception report and keen interest in our programmes.

We are pleased to verify that you heard Radio Pyongyang from 0700 to 0900 on 13760 kHz on June 28 1974

Your valuable opinions on our programmes will always be very much appreciated.

has been in the free radio movement for 38 years.  
 \* (D'Angelo-PA). **Radio Omroep Zuid** 21889.9 f/d cd. w/ verie ltr. and postcard in 17 ds. for a taped rpt. v/s Hans Hendriks. 38 watt  
 \* (Kusalik-ALB). **Radio Geronomo** 15070 via Alfa Lima

**International** f/d "Logo" cd. in 1 mo. w/ personal ltr. and station info. v/s Dave Scott and Chris Watson. (Kusalik-ALB).

**GERMANY: Democratic Voice of Burma** 15405 via **Julich** p/d ltr. in 1 mo. (Barto). 15600 and 17750 p/d ltr. in 6 mos. (Barto). **Tamil Broadcasting Corporation** 21590 via **Julich** f/d ltr. in 1 mo. (Barto). **Radio Eclesia** 13810 via **Julich** f/d ltr. in 1 mo. v/s Walter Brodowsky, Broadcasting Account Manager of Shortwave Broadcasting Station Julich. (Barto). **Vlaamse Radio en Televisieomroep** 13770 and 15520 via **Julich** f/d ltr. in 1 mo. (Barto). 15515 f/d cd. w/ schedule and station sticker in 1 mo. (Field-MI)

**Voice of Democratic Ethiopian Revival** 15315 via **Julich** f/d ltr. in 1 mo. (Barto). **WYFR** 13855 via



Radio Singapore International  
 • Farrer Road PO Box 5300 • Singapore

Date 2/9/96

Dear *Mary Weisborn*  
 Thank you for your reception report on 4095 kHz from 1112 UTC to 1126 UTC on 2/7/96 which agrees/does not agree with our schedule.

We hope you will continue to enjoy our programmes.

Tel : 65 - 3535300  
 Fax : 65 - 2591357  
 Internet : http://www.rsi.com.sg:8000/rsi/



**STATION INFO: Radio Interoceania** 4840 v/s Edwin Riera S., Director. **Radio Fana** 6210 v/s Woldu Yemessel, General Manager. Addr: RF, near Black Lion Hospital, in front of Swedish Embassy, Addis Abeba, Ethiopia. **Radio Africa No. 1** 9580 v/s Chartrin Ondamba, Secretary. Addr: B.P. 1, Libreville, Gabon.

**Radio Hara** 4540 via **Dusheti** v/s Nino Berdznishvili. **Eurosonor Radio** 6980 v/s Christian Schmid. Addr: Waldstrasse 30, DE-63065 Offenbach, Germany. **Evangeliums Rundfunk Hamburg** 6015 via **DTK Julich** v/s Wilma Waldner. Addr: P.O. Box 920 741, DE-21137 Hamburg... via **PLAY DX**... Sam.



**Julich** f/d cd. in 6 wks. (Field-MI). **Sudwestrundfunk** 6030 via **Muhlacker** f/d cd. w/ 2 stickers and schedule in 2 mos. (Barto).

**HONDURAS: HRMI La Voz de Misiones Internacionales** 5890 f/d cd. in 3 mos. \* (Barto-CT). **Radio Litoral** 4830 paper "Certificado de Sintonia" w/ form ltr. apologizing for the delay in 327 ds. v/s Jerome Antonio, DJ. for **HLW** (D'Angelo-PA). 4832 handwritten ltr. in Eg on my 2nd try in 3 mos. v/s Antonio Torres, DJ. The next day I rcvd. ltr. from the above DJ.  
**INDIA: All India Radio** 4775 via **Imphal** n/d e-mail QSL from R. (Field-MI). Narasimha Swamy, Superintending Engineer. in 1 mo. for a 95 reception (Sgrulletta-NY). 4840 via **Mumbai** f/d prepared cd. in 2 mos. for ms. and SASE (both used). v/s Munuswamy Indiran, Supervising Engineer. Originally my rpt. was QSLed via e-mail. Snail mail arrived 2 wks.

later. (Sgrulletta-NY)  
**ITALY: RAI International** 5975, 7130 and 9670 via **Prato Smeraldo** p/d cd. in 7 wks. w/ schedule. (Barto-CT).  
**KOREA, PEOPLES DEMOCRATIC REPUBLIC OF: The Voice of Korea** 7505, 9975, 6574.9 and 9600 f/d cd. in 4 mo. w/ schedule and pennant. (Barto). 13650, 3560,

FREE RADIO STATION

via D'Angelo



DR. T. RADIO METALLICA WORLDWIDE

SENORE.

10,000 WATTS OF PURE AWESOME AUDIO POWER

# RADIO FREE LONDON

## ROSE

This is to confirm reception of RFL by Richard A. D'Angele  
On 4th August 2001 at 8805KHZ

### Thank you for your report.

Petter Berntsen. (Barto-CT).

**PAKISTAN: Radio Pakistan** 15100.4 and 17895.1 f/d "Miar Glacier Golden Peak" cd. w/ schedule and sticker in 2 mo. (Barto-CT).

**STATION INFO: Radio Panamerica** 6105 v/s Daniel Sanchez Rocha, Director. Addr: Edificio 16 de Julio, Piso 9, Oficina 902, El Prado, La Paz, Bolivia. **Radio Pio XII** 5952 v/s Jose Blanco. **Radio Santa Cruz** 6135 v/s Maria Yolanda Marco Escobar, Secretary de Direccion. Addr: Casilla 672, Santa Cruz 3213, Bolivia. **Radio Yura** 4716 v/s Rolando Cueto F., Director. Addr: La Voz de Los Ayllus, Casilla 326, Localidad Yura, Provincia Quijarro, Potosi, Bolivia. **Radio Caiari** 4785 v/s Ronaldo Rocha, Director. Addr: Avenida Carlos Gomes 932-centro, CEP-78900-030 Porto Velho, Roraima, Brasil **Radio Clube Paranaense** 6040 v/s Vicente Mickosz, Superintendente. Addr: Rua Rockefeller 1311, Prado Velho, CEP-80230-130, Curitiba, Parana...via PLAY DX....Sam.

**PALAU: Voice of Hope TBBZ** 9985 f/d cd. w/ verie ltr. in 4 mos. v/s Rev. Bently Chan. (T88BC). (Kusalik-ALB).

**PAPUA NEW GUINEA: Radio Enga** 2410 p/d ltr. in 3 mo. after several tries over many years v/s Matthew Cole. Rcvd. a 5 page very detailed schedule, station photos and a newspaper article featuring Matthew and the station. (Barto-CT).

**PERU (Check this out): Radio Lider** 4845 f/d ltr. for a 94 reception. v/s Mauro Calvo Acurio, Gerente General. Addr Urb. Bancopata, Av. Jose Antonio de Sucro, Cusco. (Field-MI). **Radio La Hora** 4855 f/d "Carta de Confirmacion de Sintonia" ltr. w/ personal ltr. in 1 mo. v/s Carlos Gamarra Moscoso, Director de Depto. De Frecuencias. (Sgrulletta-NY). **Radio Sicuani** 4826.5 f/d computer generated "Certificado de Sintonia" ltr in 1 mo. Thanks to assistance

9850 and 11335.2 f/d "Flower" cd. w/ schedule in 3 mo. (Barto). 9335, 9325 11710 and 13760 f/d "Mountain Scene" cd. in 4 mos w/ schedule. (Barto-CT).

**LITHUANIA: Radio Centras**

\* 9710 hand written ltr. in 7 mo. after several tries Also rcvd. 3 large stickers. Registered mail was used to get this tough QSL. (Field-MI).

**MALAGASY REPUBLIC: Democratic Voice of Burma** 17805 via Talata-Volondry p/d ltr. in 1 mo. (Barto-CT).

**NORWAY: Democratic Voice of Burma** 15405 via Kvitsoy p/d ltr. in 1 mo. v/s



**Rádio Eclésia**  
EMISSORA CATÓLICA DE ANGOLA

Ondas Curtas <[wave@reeclesia.org](mailto:wave@reeclesia.org)> on 06/26/2001 02:25:40 PM  
Recepção das Ondas curtas

Prezado Senhor Richard:

É com grande prazer que recebemos a sua carta, falando da recepção da nossa emissão no dia 20 de maio de 2001.

De facto nos confirmamos que foi a Rádio Eclésia, transmitindo desde Angola para todo o país, que você ouviu. A nossa emissão iniciou no dia 20 de abril de 2001, nas seguintes frequências:

1. 06h00-07h00: KHZ:  
2. 19h00-20h00 KHZ.

Agradecemos imenso pelo envio do vossa informação. Aproveitamos também de endereçar os nossos cumprimentos a sua esposa Susana, e aos seus filhos Adan e Jennifer. Prometemos enviar o nosso cartão de recepção e uma lembrança pelo correio postal.

Desde Angola, os nossos sinceros agradecimentos.

Ir, Maria Sps

RÁDIO ECCLESIA  
Emissora Católica de Angola  
Rua Comandante Bula, N.º 118  
São Paulo - C.P. 3579  
Luanda - Angola



from the above v/s my QSL for this station was included with the Radio La Hora QSL. The v/s for Radio Sicuani is Lic. Mario Ochoa Vargas, Director and Esau Gamarra Pino, Administrador. (Sgrulletta). Radio Mundo TV 5045 8x11 inch QSL w/ f/d on my 16th attempt. v/s Miluska Olivera Mogrovejo, Director Gerente. (Field-MI). \* Radio La Merced 6754 cd. rcvd. in 2 mo. (Field-MI)....The following QSLs were rcvd. via TINs latest trip. Also rcvd. 2 photos of each station..... \* Radio Imperio 4389 f/d prepared cd. in 9 1/2 mos. v/s Ulises Vasquez Sangur, Director. 300 watts. (Sgrulletta-NY). Radio Nor Andina 4461 f/d prepared cd. the station. 1000 watts.(Sgrulletta). \* Radio Frecuencia VH "La Voz de Celendin" 4485 f/d prepared cd. w/ personal ltr. in 5 1/2 mo. for a SP rpt. v/s Fernando Vasquez Castro, Director-Gerente. 500 watts.(Sgrulletta-NY). Radio del Pacifico 4975 f/d prepared cd. w/ business cd. in 6 mos. for a SP rpt. v/s Pedro Ferreira Garcia, Director Ejecutivo. 5000 watts.(Sgrulletta)

**STATION INFO:** Radio Simbu 3355 v/s Paia Ottawa, Technical Officer. Addr: P.O. Box 228, Kundiawa, PNG. Radio Nacional de Paraguay 9739 Addr: Blas Garay 241 entre YEG.os e Iturbe, La Asuncion. Comas Radio and Television 4880 v/s Juan Rafael Saldana Reategui, Relaciones Publicas. Addr: Avenida de Estados Unidos 27, Comas, Lima, Peru. Radio Ayopaya 3344 v/s Licencianda, Norma Estrada, Coordinadora & Ingeniero. Radio del Pacifico 4975 v/s Julio Villareal Cordoba, Producer Program "El Mundo de Los Ninos". Radio Cultura Amauta 4955 v/s Demetria Montes Sinforoso, Administradora....via PLAY DX...Sam.

\* **PHILIPPINES:** KAF Voice of the Lord 15750 via High Adventure Ministries f/d cd. w/ schedule in 36 ds.(Kusalik).

**SAIPAN:** Radio Australia 21615 f/d "Kangaroo" cd. w/ schedule in 6 mo.

\* The QSL was mailed from Brunei.(Field)

**SOUTH AFRICA:** Adventist World Radio 11975 via Meyerton f/d cd. in 6 wks. from the UK addr. (Field-MI).

**SWITZERLAND:** Swiss Radio International 9885 via Sotens f/d cd. in 1 mo. w/ schedule & other station materials.(Field-MI).

**TAIWAN:** Herald Broadcasting Syndicate 11780 via Paochung f/d "DIY" cd. in 5 mos. for ms. v/s Cindy Riehm. (Kusalik). Central Broadcasting System / Radio Taipei International 6265 rcvd. a boat load of stickers, newsletter report forms, etc w/ f/d "Chao Tien



Subj: Re: Reception Report  
Date: Sat, 27 Oct 2001 11:07:32 PM Eastern Daylight Time  
From: <radiofun@charter.net>  
To: <rdangelo3@aol.com>

Hi Richard.....Thanks for the very nice and thorough report!

Equipment is the Kenwood TS-430S, using around 35-50 watts into an Inverted V dipole at 40'. All programming is controlled with software from www.otsjoke.com We also have a 5 watt FM, that is on 24/ 7. It is patched into the shortwave, so simply hitting the switch is all that is required.

Richard, do you wave MS Word? I can send a QSL via email. Thanks again.

Bill Kelly

Temple"  
cd. in  
18 ds.  
(D'Angelo-PA)

**TURKMENIS-TAN:**

\* **Turkmen Radio**  
5015 f/d  
cd. w/  
personal  
ltr. in  
32 ds.

Date	Call	Hz
24 May	5015	1920
2001 1861-1872 19220		
Type of relay: 1) Repeater 2) For music		
Dialing relay (CAME)		

Name	Address
Fred Williams, WDX4W	
1618 Waterside Drive	
Charlotte, NC 28228-7355	
U.S.A.	

Radio Canada International  
P.O. Box 6009/CP 6000  
Montreal, Canada  
H3C 3A8  
www.rci.ca

**RCI** RADIO CANADA INTERNATIONAL

**QSL**



H. Fessenden  
23-12-1900



G. Marconi  
12-12-1901

for a taped rpt. and \$1.00. v/s Kakali Garaev, Chief of the Technical Department. 20 kws. (Klinck-NY).

**USA: AFRTS 4278.5 non-QSL** from Michael Foutch who says they do not have \* a transmitter on this frequency relays their programs...Well someone does. (Barto-CT).

**STATION INFO: United Nations Radio** 17735 v/s David Smith, Executive Producer. Addr: Room S-850M, United Nations, New York, NY 10017. **Christian Voice** 21680 via **Darwin** v/s Mrs. Lorna Manning, Site Administrator. Addr: PMB 5777, Darwin, NT 0801, Australia. **Everest Radio** 7235 Addr: 226 Greenford Avenue, Hanwell, London W7 3QT, England. **Radio Baku** v/s Arzu Abdullayev. **Radio Bangladesh** 15520 v/s Dilruba Begun, External Service Director. Addr: Bangladesh Betar, P.O. Box 2204, Dacca 1000, Bangladesh. **Radio Ezra** 13850 v/s John D. Hill, Station Owner. Addr: P.O. Box 16, Stockton on Tees, TS18 3GN, England. **New Radio Mogilev** 11960 v/s Yuria Kurpatin and Nina V. Mikhnova. Addr: Persamajkaja Kommunisticheskiy 1, BLR-212030 Mogilev, Belarus. **Radio Norte** 4938 v/s Leonardo Arteaga Rios...via PLAY DX...Sam.

**WYFR** 9505 f/d cd. in 6 wks. (Field-MI). **KJES** 7558 cd. w/ schedule in 1 mo. (Field-MI). **WTAW** 1620 f/d cd. w/ 2 stickers in 3 wks. (Barto-CT). **USA (Pirates): Radio Bingo** 6951 QSLed in 2 wks. Used the Merlin drop. (Field-MI). **Radio Neptune Universal Service** 6950 QSL #51 in 6 mo. for ms. (Kusalik). **WMOE** 6950 cd. #35 via the Belfast, NY addr. (Kusalik). Z-100 6955 QSL in 1 day w/ e-mail note and a Word document. v/s Bill Kelly. (D'Angelo-PA).

**URUGUAY: CWA155 Radio Sarandi del Yi** f/d ltr. w/ 4 coins and a 5" circular hand made wooden station logo. It is mounted on a wood base. All was sent via registered mail. Very pleased. (Barto).



Best of QSLing till next month. Rich, I owe you a letter...Sam

*Sam*

QSL

120

# Net Notes

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

See the text label in the chart below? The solar numbers hit the roof on November 6 and again on the 24th. Unfortunately cloud cover on the 24th prevented viewing in NJ. See [space-weather.com](http://space-weather.com) for images from around the world.

Mark Fine has updated his "Solar Data" page at [www.finewaresw.com/solar.html](http://www.finewaresw.com/solar.html). I'd reprint the charts here, except there is so much information that we could not do it justice in a b&w print medium. Mark comments that we just hit a second peak in solar cycle 23.

Remember Baygen? Trevor Baylis, inventor of the windup radio, is awed about the use of the radios helping the USA's fight in Afghanistan. "To think when I was sitting there with a load of springs and cogs and wires that one day this technology would be used by the American military to help fight their wars is quite astonishing," he says. Read the rest of the BBC story "Clockworx warfare" at [news.bbc.co.uk/hi/english/uk/newsid\\_1589000/1589318.stm](http://news.bbc.co.uk/hi/english/uk/newsid_1589000/1589318.stm)

Radio Apinte, Surinam, is now on the Web at [www.apintie.s/](http://www.apintie.s/). The new transmitters in Nigeria offer stupendously strong signals in NA, and the

new Web site is [www.voiceofnigeria.org/](http://www.voiceofnigeria.org/).

Following up on Steve Anderson of 'United Patriot Radio', he is still playing the role of a man on the run. The last story in the Commonwealth Journal ([www.somersetkentucky.com](http://www.somersetkentucky.com)) newspaper is dated November 1.

The "Antique & Old-time Radio" pages at Radio Netherlands' Media Network have been reviewed and updated at [www.medianetwork.nl](http://www.medianetwork.nl)

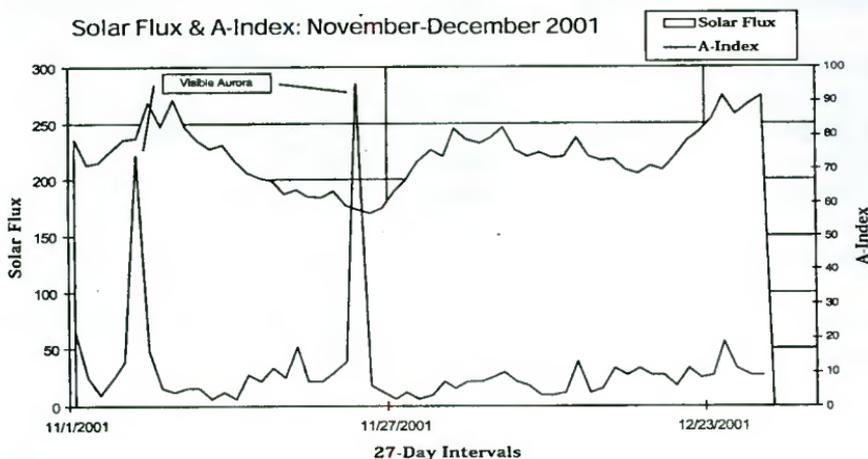
For the shortwave listener interested in station tuning signals and identifications, the Italian-based Web site of IDs Warehouse has returned to the Web after a long absence. The site has been overhauled and expanded. Tune to [digilander.iol.it/idwarehouse/](http://digilander.iol.it/idwarehouse/)

We are just about two months away *Winter SWL Festival*. See [swlfest.com](http://swlfest.com) for the latest developments.

A Ten-Tec RX-350 arrived in mid-December. This DSP receiver appears to be direct competition to the Drake R8B in terms of features and price. At first glance, I don't like the LW performance (MW breakthrough) but I really, really, like the pseudo-band scan display (press a key) for trolling through the bands. More to come.

Happy New Year to all!

Solar Flux & A-Index: November-December 2001



# 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:

<b>Brian ALEXANDER</b> , Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
<b>Jerry BERG</b> , Lexington, MA	R8A 165' LW
<b>Ralph BRANDI</b> , Tinton Falls, NJ	AOR7030, R8, 250' longwire
<b>Paul BROUILLETTE</b> , Geneva, IL	Drake R8, ICF2010, 60' long wire
<b>Peter COSTELLO</b> , Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
<b>Rich D'ANGELO</b> , Wyomissing, PA	Drake R8B, Lowe HF-150, DX Sloper
<b>Marlin FIELD</b> , Hillsdale, MI	NRD535D, Eavesdropper ant
<b>Bob FRASER</b> , Cohasset, MA	Sony ICF-2003 ICF-SW100s 2m LW
<b>Peter HAISHUN</b> , Hurst, TX	Sony 77, Sony 2010, Grundig Satellit 700
<b>Joe HANLON</b> , Phila, PA	SW8, EMF ant., ICF-SW7600G w/active ant.
<b>Bob HILL</b> , Littleton, MA	Sony 2010 120' dipole at 35'
<b>Mark HUMENYK</b> , Weston, ONT	Magnavox D-2935 AN-60 DX SWL sloper
<b>Jerry KLINCK</b> , East Aurora, NY	R8, HQ-180AX 80' longwire, 60' dipole
<b>Marie LAMB</b> , Syracuse, NY	Drake R8B, 70' LW, MFJ 16010 tuner
<b>Harold LEVISON</b> , Phila, PA	Drake R8
<b>Jerry LINEBACK</b> , Scranton, KS	Icom 746 beverage antennas
<b>George MAROTI</b> , Mt. Kisco, NY	R8B, 2010, 30/45 m. dipoles
<b>Phil MARSHALL</b> , Bradenton, FL	Icom R-75, Alpha Delta DX Sloper, 80' LW
<b>David M MARTIN</b> , MD, Atlanta, GA	RX-320, Eavesdropper trap dipole
<b>William McGUIRE</b> , Cheverly, MD	DX-380
<b>Bob MONTGOMERY</b> , Levittown, PA	NRD535D, R390A, RX-320, HF150, SE3, active antenna
<b>Ed NEWBURY</b> , Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
<b>Mike PACE</b> , Tipton, IA	Drake SW2, MFJ1022
<b>Denis PASQUALE</b> , New Brighton, PA	DX-440 with a 10 meter long wire
<b>Karlis RACENIS</b> , MI	Yaesu FT-817, two 310' LWS
<b>Bob RAYMOND</b> , Nashua, NH	R8B 20m <sup>5</sup> / <sub>8</sub> wave vertical

Welcome to 2002!

I hope one and all had a very nice holiday season. Keep the logs coming. Please do not cut into strips. All QSL info only should go directly to Sam Barto.

73

Bob Montgomery



# Tropical Band Loggings

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

- 2310 **AUSTRALIA ABC** 12/4 1012 music, including "It Don't Mean a Thing If It Ain't Got That Swing", mention of Australia in English-language announcement @ 1017, ID (Bran-NJ) 12/2 1007, SIO-121, movie music "Raindrops and Roses", man talking about Victoria (Race-MI) 1017-1030. Extremely weak audio, ABC IS and nx (Mont-PA)
- 3220 **NORTH KOREA Hamgyong PS** 12/2, 1334, YL in KR talk, poor (Line-KS)
- 3250 **HONDURAS R. Luz y Vida** 12/8 LA mx at 1137, ID 1142 (Berg-MA)
- 3250 **NORTH KOREA R. Pyongyang** 12/2, 1330, YL in KR, muffled (Line-KS)
- 3255 **SOUTH AFRICA BBC-WS** 12/1, 0300, news George Harrison's death (Race)
- 3265 **SULAWESI RRI Gorontalo** 12/2, 1329, OM in excited Indo (Line-KS)
- 3270.1 **NAMIBIA NBC** 12/4 0350 choral singing, Christian rel tlc, ID "Amazing Grace", ID "NBC broadcasting nationwide" (Bran-NJ)
- 3279.6 **ECUADOR Voz del Napo** 0208-0245. Mx at tune. Very pretty tune (Mont) 11/27 0244, SP, M w/ TC, rlg choir mx w/ old fashioned hymns. (Brou-IL)
- 3291.3 **GUYANA Voice of Guyana** 12/7 2140-2142 OM & YL discussing shopping opportunities in Georgetown. Very good signal. (Maro-PPDX/ME)
- 3300 **GUATEMALA R. Cultural** 11/27 03 00, EG, Px intro w/ ID (Brou-IL)
- 3315 **INDIA AIR Bhopal** 12/7 0024-0026 The usual sign-on routine; IS (Maro) 12/9, 1320, subcontinental mx, poor (Line-KS)
- 3316 **SIERRA LEONE SLBS** (p) 2158, many other African signals heard (Race) 11/30 2305 African pop music, religious talk in English @ 2345 (Bran-NJ) 12/7 2102-2243 national news read by the usual male announcer. (Maro)
- 3325 **KALIMANTAN RRI Palangkaraya** 12/7 2159-2201 SCI just before ToH, then RRI ID by OM. First time I've heard them in the afternoon (Maro-ME)
- 3320 **NORTH KOREA Pyongyang PBS** 12/2, 1337, YL in KR, good (Line-KS)
- 3320 **SOUTH AFRICA R. Sondergrense** 12/1 0335, AK pop mx, Back Street Boys, etc. M anncr. Weak. (Brou-IL)
- 3324.8 **GUATEMALA Radio Maya** 12/10 1120-1205, continuous vocals until 1200 ID by a male announcer. Fair. (D'An-PA) 11/27 0318, SP, bits of mx under M A few ments of Guatemala. (Brou-IL)
- 3326 **NIGERIA Radio Nigeria Lagos** 12/4 0430 IS, NA (Bran-NJ)
- 3344.8 **MOLUCCAS RRI Ternate** 12/8 2054-2100 Music, talk by OM, into SCI at ToH, then more talk by OM. (Maro-ME)
- 3350 **NORTH KOREA South Pyongyang PBS** 12/2, 1340, YL in KR (Line-KS)
- 3360 **GUATEMALA LV de Nahuala** 12/1, 0340, no ID or t1k, but continuous marimba mx. Weak but listenable (Brou-IL)
- 3365 **BRAZIL R. Cultura** 0010-0030. Tentative ID as extremely weak (Mont-PA)
- 3375.1 **PERU Radio San Antonio** 11/18 2329 Annmts., OA mx, clear Ids. (Klin-NY)
- 3560 **NORTH KOREA R. Pyongyang** 12/2, 1342, OM in KR, poor (Line-KS)
- 3945 **IRAN VOIRI** 12/9 0025-0040 Koran recitation at tune-in had me hoping that this was AIR Gorakhpur, but talk by OM was in Arabic. (Maro-ME)
- 3905 **IRIAN JAYA RRI Merauke**, 12/2, 1328, Islamic px, poor (Line-KS)
- 3930 **SOUTH KOREA Korean BCS Hwasung**, 12/2, 1345, KR singing (Line-KS)
- 3969.9 **PIRATE (Euro)** Possibly a Europirate at 0322 Dec 8. (Berg-ME)
- 3969.9 **PIRATE (Europe)** 3969.9 UnID 0136 Somebody here playing lots of familiar '60s hits UK accented DJ (Hill-MA)
- 3976 **KALIMANTAN RRI Pontianak** 12/8 1108-1112 Soft pop music, ID (Maro)
- 4000.1 **SULAWESI RRI Kendari** (presumed) 12/7 2122-2128 Talk by YL, then brief music bridge and mention of RRI by YL. (Maro-ME) First time that I've heard them in the afternoon. Ham QRM spoiled

- 4052.5 **GUATEMALA R. Verdad** 0005, Latin pop music 0024-0230 Male announcer in SS. Continuous long tlk, R. Truth ID, address (Mont-PA) 12/4 0228 ID and "God Bless" in English, ID, frequency, address (Bran-NJ)
- 4421.2 **PERU R. Bambamarca** 12/9 1042-1053 Huaynos, echo anmts, ID (Maro)
- 43889 **PERU Imperio Radio** 11/10 09:18 Span. Lcl. OA mx, ID (Klin-NY)
- 4460 **CHINA CPBS (presumed)** 12/7 2150-2152 Alternating CH talk (Maro-ME)
- 4471.7 **BOLIVIA R. Movima** 12/8 2256-2302 Talk by OM at tune-in followed by male vocals. Instrumental piano music bridge, into ID at ToH (Maro-ME)
- 4500 **CHINA Xinjiang PBS** 0013 Slow, almost dreamy Chinese orchestral music. Woman spoke in what sounded like Mongolian at 0024, then music
- 4681.5 **BOLIVIA R. Paititi** (presumed) 12/7 2254-2300 Talk by OM in Spanish, echo effects, male vocals, but no ID at ToH. (Maro-PPDX/ME)
- 4698.9nf **GUATEMALA R. Amistad** 11/25 arnd \*1100, but on Sun Nov 25 the s/on was \*1128; popped on with a quick anmt followed by C.Am vocal mx (Berg-MA) UNID, 11/27 0330, SP, M1k, TC. Possibly new R. Amistad in Guatemala??. (Brou-IL) Right on—sp
- 4716.8 **BOLIVIA R. Yura** (presumed) 12/7 2257-2303 Talk by OM with voice overs, followed by nice Andean music. (Maro-PPDX/ME)
- 4725 **MYANMAR V. Myanmar** (p), 12/2 1230, woman talking, SEAs mx (Race-MI)
- 4746.7 **PERU R. Huanta 2000** 12/8 2308-2312 Long monologue by OM with echo effects, then an ID as "Radio Huanta". (Maro-PPDX/ME)
- 4750 **TIBET Xizang PBS** (presumed) 12/8 1055-1101 YL talk in Mandarin, to time pips at ToH, then TC by OM. (Maro-ME)
- 4753.3 **IRIAN JAYA RRI Makassar** (presumed site) 12/2 1302 IN nx (Race-MI) 12/7 2119-2124 Pop vocals in Indonesian by YL (Maro-ME)
- 4755 **BRAZIL R. Educacao Rural** 12/2 0038 "Begin the Beguine", ID (Race-MI)
- 4760 **LIBERIA ELWA** 12/7 2135, Haven Ministries old pgm, addr (Berg-ME), 12/4 2130 American religious broadcast talking about how prayer has been banished from schools, local announcements, ID (Bran-NJ)
- 4770.1 **ECUADOR Radio Centinela del Sur** (presumed) 12/4 1042-1102, long winded talk by man in Spanish with instl music at 1101. (D'An-PA)
- 4770 **NIGERIA R. Nigeria** EG nx at 2020 12/7, ID, Ramadan talk (Berg-ME)
- 4775 **INDIA AIR Imphal** 12/9, 1318, YL in Lang, very poor (Line-KS)
- 4781.5 **ECUADOR R. Oriental** 1003 man in SP frequent ID's pop mx (Race-MI) local vocal mx at 1015 Nov 10, ads 1022, TC "en oriental," (Berg-ME)
- 4789 **IRIAN JAYA RRI Fak-Fak** 12/2, 1326, Islamic px, poor (Line-KS)
- 4790 **INDIA AIR-Chennai** 12/7 2345, good size carrier already, IS (Berg-ME) 2359-0045. Unknown language. Sgn on with IS, nx (Mont-PA)
- 4796.4 **BOLIVIA R. Mallku** 12/7 2308-2310 Possible news by YL (Maro-ME)
- 4799.8 **GUATEMALA R. Buenas Nuevas**, 0008-0020. ID, march mx (Mont-PA) 11/17 1115 SP rancheros mx, OM talk, ID (Mart-GA)
- 4800 **INDIA AIR Hyderabad**, 12/8, 1339, OM in lang, fair to poor (Line-KS)
- 4810 **ARMENIA Voice of Armenia** 12/7 EG anmt 2043 with tlk, mx (Berg-ME)
- 4815 **ECUADOR R. El Buen Pastor** 12/2 very good at 1010 with great HC mx and a room-filling signal. Hi-style SP ID with echo at 1017 (Berg-MA)
- 4820 **BOTSWANA Radio Botswana** 12/4 0356-0428, tribal vocals until woman with ID ("This is Radio Botswana broadcasting from Gaborone. (D'An-PA) 11/30 0320 song by Hugh Masekela, song abt AIDS (Bran-NJ)
- 4826.5 **PERU R. Sicuani** 0940-1000. Male announcer in SS, Peruvian mx. (Mont)
- 4830 **HONDURAS R. Litoral** 12/8 1134, quick ID, "Musica Cristiana," (Berg) 12/9 1130 SP pops mx, st ID 1150, somewhat off-freq (Mart-GA)
- 4835.3 **MALI Radio Mali** 11/28 2248 music, ID in French @ 2300, multiple versions of the Cuban song "Guantanamera" (Bran-NJ)
- 4840 **ECUADOR R. Interoceanica** 1000-1030. soft jazz mx, anmts (Mont-PA)
- 4840 **INDIA AIR-Mumbai** 12/8 weakish carrier at 0011, IS, startup (Berg-ME) 00:5 Lang. Lcl. mx, nx by female//4950 11/7 (KLIN-NY)

- 4844.9 **GUATEMALA Radio K'ekchi** 12/10 1110-1132, a series of religious vocals until a man gave ID (D'An-PA)
- 4855.6 **PERU Radio La Hora** 12/06 0959 SP Huaynos ID Jingles (Mars-FL)
- 4860 **INDIA AIR Delhi** 1233, woman reading news in English abt Afg. (Race-MI)
- 4876.8 **BOLIVIA R. La Cruz del Sur (presumed)** 12/7 2313-2314 Talk by OM in Spanish, sweeper QRM (Maro-PPDX/ME)
- 4879.1 **UNID LA stn, Andean mx, believed ment. Ecuador, Espejo?** (Berg-MA)
- 4880 **INDIA AIR Lucknow** 12/9, 1315, subcontinental mx, OM & YL (Line-KS)
- 4890 **PAPUA NBC Port Moresby** 12/9 1145 EG pops mx, NBC nx, ID (Mart-GA)
- 4895 **MALAYSIA RTM** 12/4 1204-1220, English, Clapton (D'An-PA) 13:00 Lang. 12/1 Female nx? talk in lang.//4850.(KLIN-NY)
- 4910 **INDIA AIR Jaipur** 12/9, 1315, Subcontinental mx, poor (Line-KS)
- 4919 **ECUADOR Radio Quito** 11/6 05:10 Span. Lcl. pop mx, clear IDs.(Klin-NY)
- 4920 **INDIA AIR Chennai** 12/4 1224-1233, vocal with drums, ID (D'An-PA)
- 4939.1 **VENEZUELA R. Amazonas** 11/22 0958, long talk, full ID (Berg-MA)
- 4939.4 **VENEZUELA R. Amazonas,** 12/1 0249, SP mx, ads, IDs (Brou-IL)
- 4950 **ANGOLA Radio Nacional** 12/8 0210 Afro and Caribbean pop mx, ID (Bran)
- 4950 **CHINA Presumed Voice of Pujiang** CH talk by lady at 1055, upbeat mx 1057, trumpets 1100, ID (Berg-MA)
- 4960 **DOMINICAN REP Radio Villa** 0120 Span. Discussion, ID (Klin-NY)
- 4980 **VENEZUELA Ecos del Torbes** 12/10 0315, SP, Px of older LAm mx (Brou)
- 4985 **BRAZIL Radio Brasil Central** 11/21 0005 MOR mx ID @ 0010, more music, ID in jingle @ 0018 (Bran-NJ)
- 4992.5 **PERU R.Ancash** 12/5 1022-1100. Excited male announcer, mx (Mont-PA)
- 5009.8 **DOMINICAN REPUBLIC Radio Cristal** 12/3 0200-0204\*, caught end of oldies tune, man announcer with ID and sign off announcements (D'An-PA) 1049-1100. Very nice level. Tlk abt anthrax, ID, addr (Mont-PA)
- 5010 **CHINA CNR Beijing 2** 2244-2300 EG lessons, funny. ID (Mont-PA)
- 5010 **HONDURAS HRMI** 12/1 Fairly good copy at this time. 2235-2306, lively Latin vocals IDs and TCs. Good with some Chinese language QRM. (D'An-PA) 0128-0230. Excellent copy mx, ID, screaming anmts (Mont-PA) 0045 11/19 Span. Religious talk, ID. (KLIN-NY)
- 5010 **INDIA AIR-Thirupuram** 12/8 IS 0018, good but QRM (Berg-ME)
- 5010.0 **MADAGASCAR R. Madagascar** 12/8 1953 group vocals , guitar strumming 1955, varied mx, "Green Green Grass of Home," ID (Berg- ME)
- 5015 **TURKMENISTAN R. Turkmenistan** 12/7-8 in during almost all darkness hours Dec 7/8, good signal; nx at 0230, ment. of Turkmenistan 0245. (Berg-ME)
- 5019.9 **SOLOMON ISL SIBC** (p), 12/2 1150, relaying BBC programs (Race-MI) 12/8 1232-1234 BBC nx items (Maro-ME) 1221-1236 Nov 15, BBC Newshour program with BBCWS ID (D'An-PA) 12/9 1100 EG western-pops mx, BBC nx at 1200 (Mart-GA)
- 5025 **BENIN Presumed ORTB-Parakou** 12/7, man and woman in conversation in FR, very nice signal at 2112; anmt 2125, African hi-life mx.(Berg)
- 5026 **UGANDA R. Uganda** 12/7, highly animated vocal mx at 1953.(Berg-ME)
- 5030nf **BURKINA FASO R. Burkina** 2159 On this new freq with ID in French, political discussion till 2215 IDs (Hill-MA) 12/11 2250 Talk in French about Sekou Toure of Guinea, music, program "Integracione", multiple Ids, tnx Veldhuis (Bran-NJ)
- 5035.1 **VIETNAM Voice of Vietnam 3** 2213-2230, ID 2209? (Mont-PA)
- 5040 **ECUADOR L.V. Del Upano** 11/16 1055 SP OM w/anmts, jingle (Mars-FL) 1045-1102 Dec 4, continuous lively Latin vocals, ID (D'An-PA) responsive religious reading 1024 Nov 22, organ mx, ID (Berg-MA)
- 5050.1 **TANZANIA R. Tanzania** 12/8 upbeat African vocal mx at 2241, Swahili anmts, well past sked 2100 s/off. Weak; talking at 2300, (Berg-ME)
- 5060 **UZBEKISTAN Radio Tashkent** 12/4 1215-1224, EG tlk //9715 (D'An-PA)
- 5770 **NICARAGUA R. Miskut** 12/8 2245-2253 Relaying the VOA's "Music Mix" program, with songs by Madonna and Paul McCartney. (Maro-PPDX/ME)
- 5800 **BULGARIA Radio Bulgaria** 11/25 22:02 Eng. Talks.(Klin-NY)



# International Band Loggings

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

- 5950 **RUSSIA V of Russia** Kaliningrad in EG 2010, regional nx, YL cmntry, ID (Klinck NY 11/6)
- 5985 **CONGO R Congo** Brazzaville in FR 2038, lcl mx, brief tlks, ID (Klinck NY 11/3)
- 5990 **BRAZIL R Senado** Brasilia in PT 2200, ID's, ancmts, Brazilian mx (Klinck NY 11/6)
- 5995 **MALI R Mali** Bamako in FR 2150, lcl ancmts, ads, ID 2151, g (Marshall ST LUCIA 11/21)
- 6020 **TURKEY V of Turkey** in EG \*0400, nx, tlk on Turkey's olive oil production, local mx, s/off 0450, //7240, both fgys good (Alexander PA 11/10)
- 6025 **UZBEKISTAN R Tashkent** in EG 1205, nx, sports rpt, mx, ID 1211 (Brandi NJ 12/4)
- 6050 **NIGERIA R Nigeria Ibadan** in EG 2102, nx, tlk on human rights, construction of new water system & other local matters, mixing w/BBC but dominant, ID 2109 (Brandi NJ 11/28)
- 6050 **ECUADOR HCJB** Quito in SP 2330, mostly continuous relig pop mx, QRM (Brouillette IL 11/11)
- 6055 **SPAIN REE** Noblejas in EG 0102, nx briefs, songs, sports results, wx rpt, exc (Levison PA 11/1) in FR 2338, cultural items, vg (Brouillette IL 11/11)
- 6055 **RWANDA R Rwanda** in FR 1945, Congolese-style mx, ancmts, ID, f with QRM (Brandi NJ 11/28)
- 6065 **IRAN VOIRI** Kamalabad in EG 0030, ID, NA, fgy, sked, Koran chants, g (McGuire MD 12/11)
- 6070 **CANADA CFRX** Toronto in EG 1330, "News Talk Radio" relaying CFRB 1010 on AM, ads, traffic, wx rpt, PSA's for lottery, songs, tlk show, f-g (Lamb NY 12/9)
- 6075 **PORTUGAL Deut Welle** relay in GM 2309, tlk re GM family in Africa (Humenyk ONT 11/18)
- 6110 **CANADA R Japan** relay in JP \*2200, IS, ID "NHK", rpt on Afghanistan, g (McGuire MD 10/14)
- 6110A **IRAN VOIRI** Kamalabad in EG 2012, long interview abt Mormonism, ID 2019 (Brandi NJ 11/28)
- 61148 **COLOMBIA LV del Llano** in SP 0005, salsa & other tropical LA mx, slogans, ID (Brouillette IL 11/15)
- 6116 **ALBANIA R Tirana** in EG 0258\*, nx, cmntry, ID's at s/off (Klinck NY 11/17, Newman IN 10/22)
- 6130 **LAOS Lao National R** Vientiane in Laotian 1156-1245, tlks, march-like mx, ezl mx, 7 gongs at 1200, nx on the hr, NA, ID (Maroti PPD/ME 12/8, D'Angelo PA 12/4, Racenis MI 12/2) hrd from 2226 with typical Hmong a-capella crooning, into dialects, 1st time hrd in late PM on ECNA (Hill PA 12/3)
- 6150 **SINGAPORE News Radio 938** relay in EG 2329, TC, ID's, wx rpt, promo for Traffic Watch, in and out battle for dominance w/co-channel/R. Record, pop/rock mx (Brandi 11/29, Newbury NE 11/14)
- 6165 **POLAND R Polonia** in PL 2232, DJ-type pgm, phone-ins, ID's, lcl pop mx, g (Brouillette IL 11/17)
- 6175 **CANADA V of Vietnam** relay in EG 0230, IS, ID, national nx, ment China, g (McGuire MD 11/28)
- 62494 **EQUATORIAL GUINEA R Nac de Guinea Ecuatorial** in SP 2105, nx, TC's, ID also as R Malabo (Brandi NJ 12/4)
- 64585usb **PUERTO RICO AFRTS** relay in EG 0930, preview of upcoming NFL football games (Racenis MI) in EG 2210, ID, rpt on war in Afghanistan, f (McGuire MD 11/27)
- 6957 **PERU LV del Campesino** in SP 2318, lcl OA mx, ID (Klinck NY 11/11) ED: xmtr only 250 watts!
- 7120usb **ITALY IRRS** Milano in EG 0703, dialog from Star Wars, fone #, mention Milano (Maroti NY 12/9)
- 7125 **GUINEA RTV Guineenne** Conakry in FR 2129, many ancmts, ID, f (Marshall ST LUCIA 11/21)
- 7150 **INDIA AIR** Delhi in EG 2225, fgys, sked, mx pgm, g (Marshall SAN JUAN 11/23)
- 7205 **CYPRUS Cyprus BCC** in GK \*2215, ID, taped dramatic play, g, //9760 (Humenyk ONT 11/18)
- 7220nf **INDIA AIR** Delhi in Hindi? \*0215, string of ads? to 0230 time pips, choppy and poor with QRM from weak co-channel station, boomy telephone quality signal (Hill MA 11/30)
- 7245 **TAJIKISTAN R Dushanbe** in Dari \*0100, opening w/stately NA featuring vibraphone and hap-like Instruments, ID "injo Dushanbe", tlks, choppy but decent signal w/o ham QRM (Hill MA 12/8)
- 7250 **RUSSIA V of Russia** relay Armavir in EG 0215, "Commonwealth Update", nx re terrorism, ID's (Klinck NY 11/11)
- 7255 **NIGERIA V of Nigeria** Ikorodu in EG 2120-2300\*, nx, cmntry on morals of good and evil, ID, QTH, NA (Brouillette IL 11/23, Marshall FL 11/21) in EG 0531, tlk on human rights (Newbury NE 11/2)
- 7260 **VANUATU R Vanuatu** in EG 0812, island mx, ID, songs, g, no ham QRM (Marshall FL 12/6)
- 7325 **AUSTRIA RAI** Moosbrun in EG 0230, nx, wx rpt, "Report from Austria" (Klinck NY 11/22)
- 7335 **RUSSIA V of Russia** via Armavir relay in EG 0235, piano mx, tlks on RS artists (Klinck NY 11/22)

- 73544 **USA WRNO** New Orleans in EG 2330, relaying WBSN-FM, Christian rock mx, ID for FM 89.1, ad for World Harvest Church, brief nx 0000, preaching, exc (Berg MA 11/24)
- 7375 **UKRAINE RUTS** Simferopol in EG 0145, ID, choral mx, tlk on Ukrainian customs, nx abt Afghanistan DX pgm, story re bootlegged CD's, political nx (Klinck NY, Pasquale PA, McGuire MD)
- 7470 **NORWAY R Norway Int** in NO 0210, report on death of Beatles' Geo Harrison (McGuire MD 12/1)
- 9465 **GUAM KTWR** Agana in JP 1258\*, ID, list of fqys (Brandi NJ 12/4) ED: Pgm listed 1200-1300 daily
- 9495 **CANADA R Sweden** relay in EG 0330, IS, ID, "60 Degrees North", rpt on the death of reporter in Afghanistan, g (McGuire MD)
- 9590 **NORWAY R Norway Int** in NO \*0200, IS, ID, fqys, sked, ment of Afghanistan, g (McGuire 11/11)
- 96101 **TAIWAN R Taipei Int** in EG 1210, nx, stock report, wx info, ID (Newman IN 11/23)
- 9635 **MOROCCO R Liberty** relay in Belarus \*0400, IS, ID "R Svoboda", nx, g (McGuire MD 11/28)
- 97042 **ETHIOPIA R Ethiopia** in Amheric 0420, lcl pop mx from the 60s-70s, ID, tlks, short interludes of mx during tlks including children singing (Brandi NJ 12/8, Montgomery PA 12/8)
- 9705v **NIGER ORTN** Niamey in FR 2209, mix of hi-life & rock mx, DJ chatter w/phone-ins, chanting, short ancmt, choral NA sung by children, apparently replacement for 7155 (Hill MA 12/8)
- 9735 **UNITED KINGDOM Wales R Int** relay via Rampisham in EG 0325, ID, rpt on wine making, g (McGuire MD 12/1) ED: Apparently a 1/2 hour pgm 0300-0330 on Saturdays only.
- 9775 **RUSSIA V of Russia** relay via Yekaterinburg in EG 1930, "Moscow Yesterday and Today", tlk on Gugarin space flight (Fraser MA 11/14)
- 9780 **SAO TOME VOA** relay in Hausa 2038, nx w/sound bites in EG, Yankee Doodle IS at 2054 & 2059, ID in EG, into FR pgming 2100, //11775, 12080 Botswana, and 15220 Morocco (Lamb NY 11/27)
- 97804 **YEMEN Repub Yemen R** in EG/AR 1855, tlk, M East mx, anmts in AR, march played at 2000 prior to ID and mention of Sana, p-f (Racenis MI 12/1)
- 9790 **NETHERLAND ANTILLES R Nederlands** relay in EG 1055, nx re terrorism, ID (Pace IA 10/23)
- 9790 **CANADA China R Int** relay in EG 0100, IS, ID, rpt on plane crash in NY, tlk on cleaner production laws in China (McGuire MD 11/14, Newbury NE 11/1)
- 9830 **TURKEY VOT** Ankara in EG 2314, "Oldies but Goodies", 50's US mx, ID, g (Fraser MA 11/11)
- 9885 **BOTSWANA VOA** relay in EG \*0300, IS, ID, TC, "News Now", Afghanistan nx (McGuire 12/8)
- 9915 **UNITED KINGDOM BBC** Skelton in EG 0035, cmntry on the difference between the Koran and other religions, item re Shanghai Symphony orchestra (Levison PA 11/22, Newbury NE 11/1)
- 9950nf **RUSSIA Radio VO Afghanistan** relay via Armavir in Pashto/Dari \*1300, CIS-type tones, NA?, call to prayer, Koran readings, several ID's during xmsn, tlks, nx items, some signal dropouts, s/off at 1430 (Berg MA 11/22, Hanlon PA 11/25, Newbury NE 11/25, Montgomery PA 11/29, Martin GA 12/2)
- 9960 **ARMENIA V of Armenia** Yerevan in GM/EG 2030, tlks in GM, ID, into EG 2040 (Klinck NY 11/6)
- 9990 **EGYPT R Cairo** in EG 2115, ancmts, fqys, Mid East mx (Klinck NY 11/6) ED: daily 1/2 hr EG pgm
- 11570 **PAKISTAN RP** Islamabad in Urdu 1900, tlk, "Typewriter" mx bumper, pips, ID, nx w/mentions of Afghanistan, Taliban, and Al Qaeda, f (Racenis MI 12/1)
- 11620 **INDIA AIR** Bangalore in EG 2203, OM w/local & world nx, vg (Marshall ST LUCIA 11/21) in Urdu 0112, ethnic musical selections, singing, ID (Levison PA 11/1)
- 11640 **PHILIPPINES FEBC** Bocaue in VT \*2244, IS, ID, into relig pgm (Newman IN 10/14)
- 11640 **SEYHELLES FEBA** Radio in Punjabi 0227, Hindu type mx, IS, ID, tlk by OM (Marshall FL 12/6)
- 11655 **MADAGASCAR R Nederlands** relay in EG 1920, "A Good Life" re youth centers in Croatia, g (Fraser MA 11/14)
- 11675 **NEW ZEALAND RNZI** in EG 0930, classical mx, nx, to 15175 after 1005\* (Alexander PA 11/17)
- 11685 **OMAN BBC** relay Masirah in Farsi 0250, EG lang lesson, ID, into tlks (Klinck NY 11/10)
- 11690 **JORDAN R Jordan** in EG 1500-1731\*, 2 mins of nx on the hr, pgm on the origin of Ramadan, variety of lcl pop rx and techno-pop dance mx (Alexander PA 11/23, Newbury NE 11/14)
- 11710 **NORTH KOREA V of Korea** Kujang in EG 1500, tlk on KR steel mills output, ID (Klinck NY 11/7)
- 11715 **INDIA AIR** Panaji in EG 2219, YL w/long tlk, ID prior to sitar mx, fgy, f (D'Angelo PA 11/17)
- 11730 **SEYHELLES BBC** Indian Ocean relay in EG 0335, pgm on slave trade from Africa (Klinck 12/3)
- 11765 **ALASKA KNLS** Anchor Point in EG 1303, ID, E-mail addr, tlks re what is available on website, Perry Como songs, cmnts re dog sled race, tlk on SW, off 1358\* (Montgomery 11/20, Field MI 11/9)
- 11765 **ASCENSION ISLAND RAI** Rome relay in IT \*0130, IS, ID, fgy, sked, ment Taliban (McGuire 12/8)

- 11800 **ITALY RAI** Rome in EG 0103, nx re Italian kidnapped in Sri Lanka, //9675, g (Fraser MA 11/11)
- 11820 **POLAND R Polonia** Warsaw in EG \*1300, IS, ID, cmntry re water problems, f-p (Pasquale PA 12/7)
- 11905 **UZBEKISTAN R Tashkent** in EG 2040, ID, nx re Uzbekistan's role in the freeing of Afghanistan from the Taliban, f (Pasquale PA 12/7)
- 11905 **SRI LANKA SLBC** Colombo in Hindi 0235, Sri Lankan mx, ancmts, ID (Klinck NY 12/1)
- 11955 **OMAN BBC** relay in EG 0035, world nx, ID, "The World Today", g (McGuire MD 11/30)
- 12000 **PORTUGAL Deut Welle** relay in GM 2305, national nx, ment Israel, Arafat, ID, g (McGuire 11/29)
- 120199 **VIETNAM VoV** Hanoi in EG 1230, ID, mx fanfare, nx re Vietnam, fluttery sig (Maroti DX/ME 12/8)
- 12030 **CHINA CNR-1** Beijing in CH 2155, smooth jazz mx, ads?, TC, ID, g, //11870 (Hanlon PA 11/24)
- 12045 **ANTIGUA Deut Welle** relay in GM 0130, ID, national nx, rpt on Afghanistan, g (McGuire MD 12/1)
- 12085 **MONGOLIA V of Mongolia** in EG 1030, pgm re patriarchal traditions in Mongolian family life, local mx, ID, fqy, abrupt s/off 1056 (Martin GA 11/17, Racenis MI 12/2)
- 12110 **GREECE V of Greece** Kavala in Serbian \*1659, nx, ref to Afghanistan, nice mx, g (Field MI 11/17)
- 126895u **USA AFRTS** relay in EG 1544, pgm on getting people interested in pro football (Newbury NE 11/27)
- 13605 **INDIA AIR** Bangalore in EG 2311, nx, ID, pgm preview, feature on bidding procedures for those interested in building new production facilities, subcont mx, //9950 (Brouillette 11/10, Newbury 11/1)
- 13615 **RWANDA Deut Welle** relay in GM 2309, tlk abt GM family in Africa, //13780 (Humenyk 11/18)
- 13635 **GERMANY Swiss R Int** relay Juelich in FR \*0600, IS, ID, fqy, sked, QTH, nx, g (McGuire 12/9)
- 13660usb **CUBA RHC** in EG 2120, "Dxers Unlimited", E-mail address, IS, into FR 2130, good signal but some QRM from Swiss R Int, //13750 poor w/het (Lamb NY 11/27)
- 13665 **RUSSIA V of Russia** Petropavlovsk in EG \*0156, ID, nx, cmtry re NY plane crash (Klinck 11/13)
- 13675 **UNITED ARAB EMIRATES R Dubai** in AR 2200, nx briefs w/background mx, new ID "Idhaa" at al-iiriirat Im Dubai", vg (Brouillette IL 11/25) in EG 0335, tlk re Ramadan, f (Humenyk ONT 11/18)
- 13695 **THAILAND R Thailand** in EG 0030, "Thai Culture", ID, nx headlines, website (Martin GA 11/12)
- 13710 **BOTSWANA VOA** relay in EG 2105, nx w/Ashcroft sound bite, "VOA News Now", TC, sports, g //15240 Morocco relay w/echo effect (Lamb NY 11/27)
- 150952 **PHILIPPINES FEBC** Manila in Burmese 1523, tlk, abruptly off w/snippet of IS (Brandi NJ 12/5) in dialects 1344, conch shell, hymn, choir, relig tlk, contemp Christian mx, IS "We Have Heard the Joyful Sound", into Burmese pgm 1430 (Lamb NY 12/9)
- 15100 **PAKISTAN R Pakistan** in Urdu 1400, Koran chants, nx?, ID, //11570 (Lamb NY 12/9)
- 15110 **KUWAIT R Kuwait** in AR 1413, Mideast vocal mx w/flute & orch, ID's, jazz guitar, tlk, children's choir, f, //13620 g (Lamb NY 12/9)
- 15120nf **CUBA RHC** in SP 2130-2258\*, SP pgming mixing w/Nigeria, //15230, 11705 (Alexander PA 11/23)
- 15145 **RWANDA Deut Welle** relay Kigali in FR 1503, world & African nx, interview, review of GM press w/ments of GM papers, ID in FR over African mx, //17660 Wertachtel, Germany (Lamb NY 12/9)
- 15160 **SPAIN REE** Noblejas in SP 2344, SP mx w/vcls, discussion, //11945 (Levison PA, Humenyk ONT)
- 15340nf **CUBA RHC** in lang? 2356, IS, tlk, nx bumper mx, ment Castro, g with LSB (Costello NJ 12/14)
- 15435 **LIBYA V of Africa** in EG 0310, AR mx, nx in EG 0315 (Hurst TX 11/23) in EG 2030, OM reading nx in EG re Zionist attack on refugee camp in Palestine (Pasquale PA 12/7)
- 15575 **SOUTH KOREA R Korea Int** Kimjae in EG 0225, local Korean mx, ID, tlk re Korean ballet theater (Klinck NY 11/24) in EG 0213, interview re organ donation, World Cup promo, ID (Newman IN 12/2)
- 17520 **PAKISTAN R Pakistan** Islamabad in Urdu 0856, Mideast mx, tlk, ID, nx, vg (Marshall FL 12/7)
- 17545 **ISRAEL Kol Israel** Tel Aviv in EG 1711, 2 OM's discussing Palestinian problems (Humenyk 11/18) in Farsi 1604, tlk by YL, g (Newbury NE 11/15)
- 17605 **CHINA CNR Beijing 1** in Mandarin 0101, IS, much tlk, Oriental mx, g (Levison PA 11/10)
- 17815 **TURKEY V of Turkey** in EG \*1330, nx, lcl mx, tlk re Turkish economy, press review, oldies mx (Alexander PA 11/10, Humenyk ONT 11/18)
- 17825 **JAPAN R Japan** Tokyo in EG \*0155, Japanese folklore story, ID, mx (Klinck NY, Humenyk ONT)
- 21725 **SOUTH AFRICA Channel Africa** in EG 1316, "Africa Changes", mx pgm, info re AIDS, nx item re aviation in Africa, ID 1326, "Children of Africa Today" (Montgomery PA 12/9, Humenyk ONT 11/18)
- 21815usb **COSTA RICA RFPi** in EG 0005, pgm on SW reception rpts, cmnts on Afghanistan (Levison 11/24)
- 25870 **USA WFLA** Ft. Pierce, FL in EG 1445, simulcast of 970 AM outlet, f (Hurst TX 11/23)

## Clandestine, Tentative, Presumed, or Unknown

- 59271 **BOLIVIA**(p) *R Minería*(p) in SP 2319, romantic ballad, canned ID? 2323, p (Maroti DX/ME 12/7)
- 5995 **SLOVAKIA**(t) *Adv World R* relay in EG 2044, pgm preview, ment Wavescan, ID's as AWR, "Focus on Family and Health", London QTH, mixing w/Mali & RCI, //15295, AWR website lists 5955 via Slovakia at this time, not 5995, could be punch up error? (Brandt NJ 11/27)
- 6155 **GUINEA**(?) *R Africa International* relay in FR and lang? 2225, pgms on democracy etc., clear ID but unsure of xmt location (Brouillette IL 11/17)
- 63807 **VIETNAM**(t) *Lai Chau BC Station*(?) in tonal language 2249, local mx, very weak and choppy signal faintly hrd following morning around 1145 (Hill MA 12/3) ED: Xmtr only 1/2 kw!
- 65749 **NORTH KOREA**(p) *V of Korea*(p) in KR? 0947, YL tlk, military mx, f (Racenis MI 12/2)
- 6900 **TURKEY**(p) *Turkish Meteorological Stn*(p) w/non stop TK vcls 0515-0536, p (D'Angelo PA 12/2)
- 6965 **CLANDESTINE V of Freedom and Renewal** via Sudan? in AR 0325-0345, African mx, church bells 0331, anthem?, US pop tune, nx?, occasional interludes during tlks, apparently xmsns only on weekends, clear S-7 sig at tune in but falling off later (Montgomery PA 11/19) Also hrd at 0355 w/strong and good audio, wild vocal mx, some military mx, ID?, electronic sfx (Berg ME 12/8)
- 7090 **IRAQ**(p) *V of Iraqi Kurdistan*(p) in lang? 0308-0325+, no ID, Koran, p (Alexander PA 11/17)
- 7100 **ERITREA V of the Broad Masses of Eritrea** in Amheric \*0325, hrd under big open carrier with Horn plucked string mx interspersed with many ID's, martial mx, Qur'an (Hill MA 12/12)
- 7175nf **IRAN V of Al-Aqsa Intifadah**(p) in AR 1915, new VOIRI svc aimed at Palestinians in the West Bank and Gaza, mix of tlk w/stringed background mx, abruptly off 1928 after brief piano interlude, no ID, f-g signal w/intermittent ARO QRM, nothing on VOIRI listed at //7105 (Berg MA, Dxplore 11/24)
- 7245 **MAURITANIA**(p) *R Mauritanie*? in AR 0942, monotone-like oration, chants, no ID (Hill MA 11/30)
- 7460 **ALGERIA**(t) *R Nac Saharagui P.F.* in AR 2149, long tlks w/Mideast style mx in background, ID is tentative since ancr was in a shouting format, nice mx after 2151, strong S-9+ (Montgomery PA 12/5)
- 9080 **ARGENTINA**(t) *R Rivadavia*? In SP? 1011, military relay station, ID tentative due to heavy QRN, US pop tunes at tune-in, vp (Montgomery PA 11/24)
- 95046 **PERU**(t) *R Tacna*? in SP? 1102, ancmt w/reverb, relig sels, no ID, p (Berg PPD/ME 12/9)
- 9950 **RUSSIA R Voice of Afghanistan** relay Armavir in Pashto/Dari \*1320-1404 f/o, O/C and test tone to 1330 s/on with instrum mx & ments of Afghanistan, nx, into Dari? 1345, f-g (D'Angelo PA 11/25)
- 11530 **CLANDESTINE R Mesopotamia** in Kurdish 1652, tlks, many ID's "denge Mezopotamia", march/NA by band and chorus to 1659 s/off, f-g (Hill MA 12/15)
- 11840 **GERMANY R Rainbow** relay Juelich in Amharic \*1900, sudden s/on w/ID, ancmts, nx, long tlks, mx features, s/off ancmts 1958 followed by instrum mx until carrier cut 1959, f (D'Angelo PA 11/16) ED: Apparently this program transmits on Fridays only/
- 13725 **CHINA CNR Beijing 1** via Xi'an(p) in CH 0211, children's choir, "Chariots of Fire" theme, drama? w/child and adult actors, no definite ID (Lamb NY 11/28)
- 13740 **CHINA CNR Beijing 2** Beijing(p) in CH 0232, CH mx, classical & smooth jazz, several ID's?, pips 0300, more tlk, fair w/slight flutter (Lamb NY 11/28)
- 13750 **TAIWAN Clandestine New Star Broadcasting Station**(p) in CH 1110, YL reading numbers, tlk, CH orch mx, pgm stopped at 1120 but carrier remained on, f, //8300 (Berg PPD/ME 12/8)
- 15140 **OMAN**(p) *R Sultanate of Oman*(p) in AR 1451, Koran chanting, no clear ID due to QRM from HCJB nx? after Quito s/off (Lamb NY 12/9)
- 15320 **MADAGASCAR Clandestine R Voice of Hope** relay in EG/lang? \*0430, s/on in EG, then lang segmt back to EG 0438, pgm on student life, rock mx, exc signal, //12060 vg (Berg ME 12/8) ED: Sats only
- 15670 **GERMANY Clandestine relay of V of Ethiopian Medhin** via Nauen in Amheric \*1600, hrd ID as "Radio Medhin", good signal, sign off 1659 (Field MI 11/22) ED: One hr pgm on Mon and Thur
- 21550nf **CLANDESTINE Radio Horn** in EG/AR 1335, ID as "Izaatu Saut al Karq, This is Millenium Voice" Koranic chanting, nx?, strong sig but some QRM from Voz Cristiana (Berg ME 12/8)

Best wishes to all NASWA members for the Year 2002. Keep the good stuff coming. 

# 15th Annual Winter SWL Fest

Sponsored by **NASA**

March 8-9, 2002

Best Western—The Inn at Towamencin  
(formerly Holiday Inn),

Sumneytown Pike, Kulpsville, 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.

Please note, there is an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible than in the past, with new one-day and student registrations. **If you wish to participate in the meals, you must register and inform us that you will be attending by Thursday morning, March 7th.** If you choose not to participate in the meals, the hotel has a restaurant, and there are other restaurants nearby.

### Early Registration (rec'd by March 2, 2002)

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:

**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, 2002.

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.swlfest.com/> or from <http://www.anarc.org/naswa/>.

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:

\_\_\_ Full (\$43)

\_\_\_ Two-Day Partial (\$17)

\_\_\_ One-Day Partial (\$9)

\_\_\_ Spouse (\$28)

\_\_\_ Banquet only (Spouse) (\$16)

\_\_\_ Student (\$5)

### BANQUET:

\_\_\_ Roast Beef

\_\_\_ Chicken

### RAFFLE TICKETS:

\_\_\_ raffle tickets, please

(\$1 ea./ 6 for \$5/ 13 for \$10)

Registration Fee Enclosed \$ \_\_\_

Raffle Tickets Fee Enclosed \$ \_\_\_

Total Check/Money Order \$ \_\_\_

*Registration cancellations after 2/28/2002 cannot be refunded, however we will refund raffle ticket money if you have to cancel.*

# Company Store

Bill Bergadano KA2EMZ • 32 Joysan Terrace • Freehold, NJ 07728 • ka2emz@cybercomm.net

All s/h charges for the following items are included unless otherwise noted. Please note the new proprietor and address.

## Publications

<b>Shortwave Listening Guidebook</b> by Harry Helms. Covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSLing, etc. 315 pages.	\$19.95 +2.00 s/h US/CA +3.00 s/h world
<b>Underground Frequency Guide</b> by Donald W. Schimmel. An in-depth look at illegal radio communications; pirate, spies and so much more! Lists hundreds of frequencies. A book no pirate or clanny fan should be without!	\$19.95 +2.00 s/h NAM +3.00 s/h world
<b>Joe Carr's Loop Antenna Handbook</b> Comprehensive but readable guide to understanding and building loops for LW, MW, SW and VHF. Non-technical, has many diagrams.	\$17.50 +2.00 s/h US/CA +3.00 s/h world
<b>The Vacuum Tube Era</b> Reviews the golden years of vacuum tube receivers, 1932-1981. If you feel real radios glow in the dark, this is for you! 141 pages.	\$17.00 +1.50 s/h worldwide
<b>Shortwave Receivers, Past &amp; Present</b> by Fred Osterman. A comprehensive guide to over 770 shortwave, amateur and commercial communications receivers produced in the last 55 years! Over 800 photos. 473 pages.	\$22.95 +2.00 s/h US/CA +3.50 s/h world
<b>Confidential Frequency List (NEW!)</b> This book, which details frequencies, callsigns and data for the non-broadcast stations on 2-30 MHz, has just been released (12th edition). Ships December 15th.	\$24.95 +4.00 s/h NAM +6.00 surface +8.00 air world
<b>NASWA Country List and Awards Program Booklet</b>	\$3.00 PP US/CA \$5.25 elsewhere
<b>The System</b> Log Book Masters, QSL reports and log, program notes.	\$2.00 PP worldwide
<b>Spectrum Log</b> Covers International bands. Great way to keep track of what frequencies have yielded certain stations. Price reduced from \$8.50.	\$7.50 PP worldwide
<b>QSL Signers</b> by Al Quaglieri. The most comprehensive and up-to-date list of verification signers names, titles, and addresses available anywhere!	\$3.00 PP US/CA \$4.50 elsewhere

The NASWA Reprint List and Propagation Predictor are no longer available.

Make checks payable in U.S. funds to "The NASWA Company Store."



North American Shortwave Association  
45 Wildflower Road  
Levittown, Pennsylvania, 19057

First Class Mail  
U.S. Postage  
PAID  
Levittown, PA  
Permit No. 319

## FIRST CLASS MAIL



ISSN 0160-1989

The Journal of the  
North American Shortwave Association

**Executive Director:** Richard A. D'Angelo, 2216  
Burkey Dr., Wyomissing, PA 19610

**Publisher/Business Manager:** Bill Oliver, 45  
Wildflower Road, Levittown, PA 19057

**Executive Council:** Jerry Berg, Ralph Brandi,  
Bob Brown, Dr. Harold Cones, Rich D'Angelo,  
Fred Kohlbrenner, Bill Oliver

### EDITORIAL STAFF

**Managing Editor:** Dr. Harold Cones, 2 Whits  
Court, Newport News, VA 23606

**Desktop Publishing/Graphics:** Ralph Brandi,  
P.O. Box 491, Lincroft, NJ 07738

**Easy Listening:** Richard Cuff, 42 North 37th  
Street, Allentown, PA 18104

**Shortwave Center:** Jerry Lineback, 506 S.  
Lawrence Ave., Scranton, KS 66537

**Technical Topics:** Joe Buch, N2JB, P.O. Box  
1552, Ocean View, DE 19970-1552

**Equipment Reviews:** Alan Johnson, N4LUS  
2490 Sharon Way, Reno, NV 89509

**Adrian Peterson's Diary:** Dr. Adrian M.  
Peterson, Box 29235, Indianapolis, IN 46229

**NASWA Awards:** Dr. Harold Cones, 2 Whits  
Court, Newport News, VA 23606

**Listener's Notebook:** Al Quaglieri, P.O. Box  
888, Albany, NY 12201-0888

**Pirate Radio Report:** Chris Lobdell, P.O. Box  
146, Stoneham, MA 02180-0146

**QSL Report:** Sam Barto, 47 Prospect Place,  
Bristol, CT 06010

**Scoreboard:** Fred S. Kohlbrenner, 214 West  
Marshall Road, Lansdowne, PA 19050

**Net Notes:** Tom Sundstrom, W2XQ P.O. Box  
2275, Vincentown, NJ 08088-2275

**Distributing Editor:** Bob Montgomery, P.O. Box  
1458, Levittown, PA 19058

**Tropical Band Loggings:** Sheryl Paszkiewicz,  
P.O. Box 152, Manitowoc, WI 54221-0152

**International Band Loggings:** Wallace C.  
Treibel, 357 N.E. 149th St., Shoreline, WA 98155

**English Schedules:** Mark J. Fine, 11252  
Cardinal Drive, Remington, VA 22724-2032

**The Company Store:** Bill Bergadano KA2EMZ,  
32 Joysan Terrace, Freehold, NJ 07728

### MEMBERSHIP FEES:

United States (First Class Mail) ..... \$26.00

Canada & Mexico (First Class Mail) ..... \$27.00

Overseas (ISAL Mail):

Central & South America and Europe ..... \$30.00

Asia, Africa and Pacific ..... \$32.00

Overseas (Air Mail):

Central & South America and Europe ..... \$36.00

Asia, Africa and Pacific ..... \$42.00

All remittances must be in U.S. funds and mailed to:

**NASWA**  
45 Wildflower Road  
Levittown, PA 19057  
U.S.A.



**NASWA**  <http://www.anarc.org/naswa/>