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EPT A.E.

ΕΛΛΗΝΙΚΗ ΡΑΔΙΟΦΩΝΙΑ ΤΗΛΕΟΡΑΣΗ
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WIND-UP

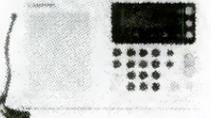


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● Discover DX'ing! By J. Zondio New Second Edition! Hear distant AM, FM and TV stations. #0119 \$5.95 (+\$2)

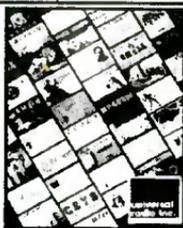
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NAAFP Notes

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

As I mentioned last month, March will be a busy month for shortwave listeners. We look forward to seeing many club members at the 12th annual **Winter SWL Festival** on March 11-13 at the Kulpville, PA Holiday Inn. In addition, the **North American DX Championships** will be coming up later in the month. This year the contest listening period will begin on Friday, 19 March 1999, at 1900 EST (0000 UTC) and end Sunday, 21 March 1999, at 2359 EST (0459 UTC). Details have appeared in January and February's Journal (and maybe this month if space permits!). Let's really keep Dr. Cones and his loyal staff of elves busy this year.

It's not easy staying up with **Bill Oliver** and his many internet e-mail addresses. I've had to cross out a number of them from my address list over the years. Our publisher's e-mail address has changed once again thanks to some internet confusion among organizations. You can contact Bill at his new address <boliver@bboard.com>. Any questions about your membership, mail problems, etc. should be directed to **Señor Oliver**. Of course, the 45 Wildflower Road address hasn't changed.

Harold Sellers informs us that Industry Canada has issued the callsign **XL3D** in celebration of the 25th Anniversary of the Ontario DX Association for the period starting at 0000 UTC March 25, 1999 to 2359 UTC April 25, 1999. **XL3D** will take the place of **VE3ODX** as one of the two "10 point" stations in the 3rd Annual Ontario QSO Party to be held April 24, 1999 at 1800 UTC to April 25, 1999 at 1800 UTC. QSL direct with **SASE** or **SAE** with sufficient return postage to: **XL3D**, Ontario DX Association, P.O. Box 161, Station A, Willowdale,

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls **Dave N1DK**, **Bill WA2DVU**, and **Al NN2U** host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at <http://www.trsc.com/Radio/SWL_Net/swl_net.html>. If you miss the net, you can hear it in RealAudio on the Internet, on **Dave Kirby's** home page. <<http://www.ncweb.com/users/dkirby/>>. Dave also posts text versions of loggings.

Ontario **M2N 5S8**, CANADA. Or you may QSL via the bureau via **VE3ODX** or **VE3SRE**. For further information on this or the Ontario QSO Party visit the Ontario DX Association website at <http://www.durhamradio.ca/odxa> or e-mail to ve3sre@rac.ca. Congratulations to our friends up north at the ODXA on 25 years of operation!

Two ANARC clubs will be combining for a convention this year. The joint **International Radio Club of America and DecalcoMania** "Ultra-Convention" has been added to the Calendar of Events. This one is coming up in June so you need to get moving if interested. It will be held in Las Vegas! So, why am I going to Kulpville later this month?

Our Motto is - "Unity and Friendship"

Congratulations to **Lyle Koehler** who was named the winner of the 1998 H. John Clements Memorial Award by the Long Wave Club of America ("LWCA"). Koehler's numerous technical articles for the Lowdown were the primary reason for his selection. Incidentally, NASWA members interested in long wave activity should check into the LWCA (45 Wildflower Road, Levittown, PA 19057-3209, USA). For US\$2.00, publisher Bill Oliver (now where have I heard that name before?) will send you a sample copy of the monthly publication, The Lowdown. Annual dues are US\$18.00 in the United States; US\$20.00 in Canada and Mexico; and US\$26.00 overseas by airmail.

Dario Monferini tells us that there will be "an important pirate radio meeting, which will be organized in Germany the week of 4-5-6 June 1999 by the East and West Radio

Club." Check the Calendar of events for further information. Dario and Steve of SWRS will be present and they hope some North American pirate enthusiasts will make the trip.

Don't forget to get any questions you may have about the use of the club's country list to **Don Jensen** (5204 70th Street, Kenosha, WI 53142 or dnjkenosha@acronnet.net). DNJ will be happy to answer any questions you have. Remember to include return postage if contacting Don by regular mail. Also, we have some exciting news from the Country List Committee in this edition of the Journal.

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



Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are soley 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.

Jerry Berg <jberg@tiac.net>, Lexington, MA

I agree with Jerry Lineback's comments that followed my article, "Some Thoughts on Reporting Loggings," in the February Journal. What it comes down to is that, in IDing stations, what counts is not only what you hear but what you know. And experience is still the best teacher. That's why it is generally acknowledged that an experienced DXer using mediocre equipment will usually out-DX a beginner with much more expensive gear. As Jerry points out, one way to know the bands is to tune them regularly; another is to concentrate on stations from particular parts of the world (like Latin Americans or Indonesians).

The DXer's location is also important. Jerry's knowledge of the stations on 3385 kHz. cannot easily be duplicated at my New England location because the signals on that frequency are seldom more than whispers. This means that the experience of hearing various stations on that channel, and becoming familiar with their characteristics, is much less available to me, and so I am more likely to call these loggings tentative or unidentified, compared with people who are able to get better reception and thus have full identifications or presumed loggings. Every location has its benefits and burdens in this regard.

The point is to not jump to conclusions, and to report the log accurately, whether you feel you have positively identified the station or not.

Contribute!

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

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

Our third and final Dxpedition of the season to French Creek State Park is now history. In early February, we managed another Sunday through Wednesday Dxpedition where we benefit from nobody else was using the cabin facilities on weekdays. It is much easier to erect antennas here rather than Gifford Pinchot where clothes would shred while stringing wire. Fred Kohlbrenner, Kris Field and Ed Mauger rounded out the group.

DX conditions were far from ideal upon arrival but there is always something to be found if you are patient. We awoke Monday morning to a coating of snow and ice, which made things look nice provided you weren't driving anywhere. Highlight of the morning was clear reception of Laos in 6,130 kHz with their famous 7 gongs at 1200 UTC. Later that day Mogadishu was heard on new 11,204 kHz prior to 2058*. The next two mornings we enjoyed excellent openings to South America. While conditions weren't spectacular, they were satisfactory with lots of good stuff being heard.

There seems to be a greater interest among the park personnel into our listening activities. When the park ranger arrived at our cabin Sunday afternoon to hand over the key, he asked about the antenna wires strung around the nearby woods. The following day, a park attendant stopped by the cabin to clean it and asked about the wires. After almost 30 Dxpeditons to state parks over the years, this is the first time someone came to clean the cabin while it was still in use! Of course antenna installation can be amusing. On day two Ed decided to do some fancy antenna work, which provided plenty of entertainment for those of us that decided to stay indoors and watch. Only reasonable decorum prevents me from repeating the tortured events we observed.

73 - RAD

FRENDX: Twenty Five Years Ago....

Radio Cook Islands was not heard during a special test broadcast. During the transmission, George Jacobs arranged to have the VOA vacate the frequency. Unfortunately, Radio Habana, Cuba would not co-operate. A special broadcast from Radio Maldives was scheduled for March 12 at 1100-1215 GMT on 4740 kHz using 30 KW. In the Shortwave Center, Al Miller writes about his user experience with the National HRO-500 communications receiver. In Larry Magne's Clandestine Confidential column, Don Jensen continues with Part II of his Radio Euzkadi report. Jensen and Ed Shaw reported QSL's from Radio Maldives in Larry Yamron's QSL Report. Other interesting verifications were in from Indonesia (Rikhusus Informasi Peritanian on 4698 kHz), ORTF Reunion, La Voz de Tigre, Radio New Ireland and Radio New Britain. The NASWA Convention was set for July 19-21 in Columbus, Ohio at the Neil House.

Calendar Of Events

- Mar 11-13 Convention.** The 12th Annual Winter SWL Festival will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 11-13 March 1999. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.
- Mar 19-21 Contest.** 1999 North American DX Championships. See January's *Journal* for further information or you can send a self-addressed stamped envelope to 1999 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606. Rules are also available at <<http://www.anarc.org/nadxc99.html>>.
- Mar 19 Meeting.** Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.
- Mar 19 Meeting.** Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.
- Mar/Apr Celebration.** 25th Anniversary of the Ontario DX Association. XK3D will operate for the period starting at 0000 UTC March 25, 1999 to 2359 UTC April 25, 1999. XL3D will take the place of VE3ODX as one of the two "10 point" stations in the 3rd Annual Ontario QSO Party to be held April 24, 1999 at 1800 UTC to April 25, 1999 at 1800 UTC. QSL direct with SASE or SAE with sufficient return postage to: XL3D, Ontario DX Association, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, CANADA. Or you may QSL via the bureau via VE3ODX or VE3SRE. For further information on this or the Ontario QSO Party visit the Ontario DX Association website at <<http://www.durhamradio.ca/odxa>> or e-mail to ve3sre@rac.ca.
- Apr 9 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Apr 9 Meeting.** The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <mmeece@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Apr '99 DX Camp.** The Ontario DX Association will be sponsoring a **Spring 1999 DX Camp** at the Lake St. George Conservation Field Centre, located only 30 minutes north of Toronto. There are numerous ways of obtaining additional information: (1) visit <http://www.durhamradio.ca/odxa/> for details, (2) e-mail Harold Sellers at dxontario@compuserve.com, (3) write to ODXA, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, and (4) telephone Harold Sellers (905)853-3518.
- Apr'99 Convention/DX Camp.** The Danish Shortwave Club International will hold its **Annual General Meeting and DX Camp** during the weekend of April 30-May 2, 1999 at a scout camp in the dunes of the west coast of Jutland, Denmark. Details to follow.
- Jun'99 Meeting.** Pirate Radio Meeting arranged by **East and West Radio Club** will be held 4-6 June 1999 about 40 kilometers south of Köln. Contact Adolf Schwegeler, Bahnhofstr 56, DE-50374 Erfstadt, Germany. Fax +49 223545046. E-mail: achim.baum@t-online.de.

(continued on next page)

Calendar Of Events (continued)

Jun'99 Convention. IRCA/DecalcoMania Ultra-Convention will be held June 25, 26 and 27, 1999 at the Holiday In-Boardwalk (3750 Las Vegas Blvd., So. Las Vegas, NV); call 800-635-4581 for reservations (\$55 per room if made before April 25th). Registration fee \$35.00. Send registration fee and inquiries to Mike Sanburn, P.O. Box 1256, Bellflower, CA 90707 stating name, address, phone number, date arriving, number of persons, and club affiliation.

Sep'99 Contest. AWR Contest. Largest QSL collections, long delays in receiving a QSL, and QSL cards from the old AWR unit in Africa. More details to follow.

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

Apr'99 Convention. The 35th Annual International World Wide Continental DX Association (IWWCDXA) will be held in Tahiti at the Charlie Loudenooboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <cl@sucker.com>.

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

Welcome to the following new NASWA members

Scott R. Beattie, Seattle, WA
Mr. Gary Beckwith, Whitestone, NY
Keith J. Block, Fonda, IA
Arthur J. Brophy, Niagra Falls, NY
Jon Fay, Essex Junction, VT
Michael Flaitz, Rochester, NY
Bruce Hansen, Gilchrist, TX
Dirk D. Heinen, Austin, TX
Phillip T. Hutchison, Seattle, WA
Jack Kent, Palos Heights, IL
Lewis Milkavich, Mission Viejo, CA
Donald Nelson, Beaverton, OR
James L. Olsen Jr., Bethesda, MD

Raymond L. Parri, Clearwater, FL
Lawrence R. Price, Cheney, WA
V. Raitsis, Richmond Heights, OH
Lisa Rizzo, Boothwyn, PA
William Schmitz, Bensalem, PA
Larry Smith, Vancouver, WA
Vernon Soverns, Pomona, CA
Edward C. Suggs, Loris, SC
Dave Tomasko, Downers Grove, IL
Hal Waite K3AB, Las Vegas, NV
Bill Warren, Royersford, PA
William Wolfreys, Dorchester, MA

NASWA

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

Easy Listening

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

Survey Says...

With the Winter SWL Festival less than two weeks away, I've worked myself into a 'Fest mood by reviewing the responses John Figliozi and I received from last year's annual listening survey. Each year, for the past five years, we invite (make that "beg") 'Fest attendees to tell us about their interests in the hobby, their favorite broadcasters, and their favorite programs. While not a scientific, random survey, this nonetheless represents a snapshot of a committed group of hobbyists, whose opinions would be of interest to broadcasters as well. New for 1998 were several questions covering *how* 'Festers listen to international broadcasters. Our plans for the '99 fest include another survey; please take a few minutes to fill it out; John and I will tell you more about the survey during our Forum presentation.

Q1. What are your interests in the radio monitoring/shortwave hobby? (multiple answers allowed)

DXing	90%
Program Listening	77%
Pirates	52%
Scanning	39%
Utilities	35%
Amateur	26%

With this result, we feel comfortable including a forum on program listening and content during the 'Fest; there is always the concern that attendees will be solely interested in DX topics, and that program content isn't relevant. Thankfully this hasn't been the case for the 'Fest.

Q2. Do you ever use the Internet to listen to programs by international broadcasters?

Yes	52%
No	48%

Given that internet-delivered audio ("webcasting", or "netradio", if you prefer) was still a new phenomenon last March, this degree of penetration was surprisingly high. It will be interesting to see the shift in this response year-on-year. Favorite broadcasters via this route included Radio Canada International, Radio Netherlands, BBC World Service, and the VOA. As has long been harped on in this space, the VOA purposefully and irrationally *avoids* US domestic residents as a component of its constituency. I believe the VOA can better ensure its long term survivability by cultivating a domestic constituency, since we are the VOA's funding source. Broadcasters such as RCI and Radio Australia, having survived severe funding cuts, have determined they need to better relate to their own residents to generate favorable public opinion. Promotion of VOA webcasting might be a cost-efficient way for the VOA to obtain this benefit as well.

Q3. Do you use the Internet to obtain schedule, frequency and program information?

Yes	68%
No	32%

I remember running an informal 'Fest forum covering on-line services eight years ago, when text-based commercial services, Fidonet, and USENET were the only options for information. Clearly the 'Net is well-suited for this purpose, as printed works such as *Passport to World Band Radio* became useless for the BBC schedule when the schedule was revamped in January. See the end of this month's column for additional information on a new 'Net venture of possible interest.

Q4. If your favorite shortwave station was in danger of being closed, would you be willing to contribute money to support its continuance?

Yes	68%
No	32%

This was a new question in last year's survey. Could the US public radio economic model—where private voluntary support pays a significant portion of the freight—be relevant in these days of downsizing? Most folks said it could. Hopefully we're not going to see quarterly two-week fund drives on the BBC World Service anytime soon, but international broadcasters unfamiliar with US public radio might wish to examine its role for possible relevance. For example, when WDIY-FM here in Allentown became a 24-hour station by picking up the new *World Radio Network* feed, I immediately gave money to the station.

Q5. How much per year would you contribute?

We allowed respondents to fill in their own amount; responses ranged from \$5 to \$50 per year, and were evenly distributed.

Q6. Does your cable system carry international radio stations?

Yes	6%
No	74%
Don't Know	19%

I was surprised by the size of the "Don't Know" response. Given how media-savvy one would expect shortwave hobbyists to be, I had expected most folks would have considered this an area worth investigating.

Q7. Do you own a satellite receiver?

Yes	13%
No	87%

I was also surprised by the low percentage of people among 'Festers with dishes. Perhaps nowadays, with so many services

scrambled, there is no longer the diversity formerly available. Of those that responded as having dishes, 3 in 4 were DBS dishes, not suitable for analog shortwave reception.

Q8. Do any local AM or FM stations relay international broadcasters?

Yes	35%
No	39%
Don't Know	26%

It was again surprising to see the size of the "Don't Know" response. It will be interesting to see if this year's response is different, with the launch of *WRN from NPR*.

Q9. Do you ever listen to international broadcasters via *CBC Overnight*?

Yes	32%
No	68%

With CBM Montreal no longer on clear channel 940 kHz, I am curious in the response this question will bring in 1999.

General Observations

How interested are we SWLs in the message versus its delivery method? I received an E-mail from a reader a few weeks back regarding Webcasting with the comment "It's too easy...." With the growth in on-demand programming, you're no longer restricted to a broadcaster's daily or weekly program schedule. You are saddled with choices when you are in the mood to listen, so the actual timing of broadcasts becomes less important.

Radio Netherlands' Jonathan Marks spoke to this a few weeks ago in a phone conversation, when he commented that Internet audio users were more interested in being *briefed*, and radio listeners wanted to be *entertained*. This may bring about a trend favoring increased use of narrowcasting in order to appeal to a highly motivated subsegment of the audience.

Thanks to all who took the few minutes to participate in the 1998 survey; if you're 'Fest bound in a couple weeks, please keep an eye out for our 1999 survey.

Program Exchange

Two reviews of new **Radio Australia** programming; first, from Peter Bowen:

Life Matters

Life Matters, weekdays 0910 and 1135, is the name of a show new to Radio Australia, replacing the former *Countrywide* in the RA schedule. This is a great show, and like most of the other great shows on **Radio Australia**, it is a Radio National production. Although there is no specific focus for the program, it appears to be broadly concerned with everyday issues of interest to ordinary Australians. (The programs would also be of interest for those in most other developed countries—Radio National programs “travel” well).

Life Matters is a 25 minute interview and discussion program, whose topics are quite diverse and wide-ranging. Some shows are devoted to discussions of a single item, while other shows feature 2 or 3 different topics. Some shows with a single theme have one discussion or interview, while others have several interviews. Those shows with several topics usually have one interview per topic. The format is thus rather fluid.

Those interviews and discussions are both interesting and thought-provoking. The tone is serious, sober, and thoughtful, rather than frivolous and artificially light-hearted. Because the subjects are serious and important, it is eminently appropriate to have the tone on the same level. This is a serious show, for those who are serious about their radio and what they listen to.

The *Life Matters* team can be reached at the following e-mail address: <lifematters@your.abc.net.au>.

New Dimensions

New Dimensions, Saturdays at 1405, is new to **Radio Australia's** schedule. This is a program produced by New Dimensions Inc., an independent public radio & television program producer. Their programs air on non-commercial radio in the USA and Canada,

and also air on **Radio for Peace International**, in addition to **Radio Australia**.

New Dimensions is a one-on-one interview program that seeks to illuminate, not advocate, on issues of the day. I caught a recent edition with an interview on grief and how to handle it. One distinction from other interview programs was that the interviewer had done his homework. He asked questions that demonstrated a knowledge of the subject matter, and could actually engage the author in conversation, versus an interviewer who would simply let the guest ramble, not having enough subject knowledge to be able to directly contribute. Most of *New Dimensions Radio's* subjects concern self-actualization and human potential; their web page (<http://www.newdimensions.org>) states that “...Since 1973, New Dimensions Radio has brought listeners in touch with innovative thinkers and ideas on the leading edge of change. “It is only through a change in human consciousness that the world will be transformed. The personal and the planetary are connected. As we expand our awareness of body, mind, psyche, and spirit, so also will the world be changed. This is our quest, as we explore new dimensions.”

In addition to the Saturday 1430 airing above, *New Dimensions* airs on Radio Australia Sundays at 1705. *New Dimensions* airs on Radio for Peace International Mondays, 0330, 1130, and 2230; Tuesdays, 0630; Wednesdays, 2030; Thursdays, 0430 and 1230, and Sundays, 1930.

Pick of the World, BBC World Service

While I try to point interesting or new BBC World Service features in my column each month, oftentimes the printed word just isn't sufficient to characterize a program's look and feel. Each week, *Pick of the World* pulls excerpts from the week's prior programs. Consider it a way of saying, “Here's the week's BBC World Service output in review.” Each excerpt runs from one to three minutes, long enough for a presenter to complete his thought, but short enough to allow a diverse sampling each week. While most of the excerpts are from English language

programming, sound actuality from another language service is used if particularly relevant. For example, the Arabic Service aired Jordan's King Hussein's funeral in its entirety, and *Pick of the World* opened one edition with an excerpt.

Pick of the World airs Mondays 0230 and 1130.

BBC World Service Highlights

Warning: Watch for time changes as of Sunday, March 28th, when the United Kingdom changes to Summer Time. Expect one-hour earlier times for many of your favorites, but also expect changes that might not follow this pattern.

General Features

Wednesdays, 0120, beginning March 10th: *Mapping The World* is a new six-part 30-minute series exploring mapmaking and how we interpret and use maps in our lives. As mapmaking runs in our family, and has long been an interest of mine, if not a vocation, this is one series I'll definitely follow. Other airings include Saturdays, 2130 and Sundays, 0530.

Monday, March 8th, 1515: An annual World Service tradition returns with the *Commonwealth Day* observance from Westminster Abbey. This multi-ethnic, multicultural service draws on British, Ugandan, and Canadian musical talent, with readings from Islamic, Sikh and Baha'i, Jewish, Buddhist, Hindu, and Christian religious traditions.

Drama and the Arts

Saturdays, 2230, and Sundays, 0630: *Plays of the Week* include:

March 13th / 14th: *The Power of The Dog* is Ellen Dryden's 90-minute play about a teacher who seems trapped by mistakes of the past.

March 20th / 21st: *Cribb and the Black* starts Lennie James and tells the story of one of the greatest boxing matches of all time.

March 27th / 28th: *Jupiter* charts the relationships of violinist Polly across a year, as narrated by one of the men in her life, and elderly man in his '80s.

Popular Music and Youth

Saturdays, 2330 (preempted March 23rd): *The Vintage Chart Show* is an ongoing weekly 30-minute series on classic hits and headlines from days of yore. Host Paul Burnett revisits 1979, 1969, 1959, and 1976 in March. Also airs Fridays 1530.

Thursdays, 2245: *The Lab* is a weekly 15-minute look at the serious and not-so-serious side of science. Also airs Thursdays 1645.

New Online Programming Discussion Group

Several of us who regularly discuss short-wave programming are embarking on a trial use of an Internet mailing list to share short shelf life information on programming, in a similar fashion to *Cumbre DX* sharing information on DX tips. At this juncture, you don't have to submit anything to receive the list, though it sure would be appreciated.

To subscribe: Send an E-mail to majordomo@qth.net with the text *subscribe swl* in the body of the message (not the subject...). To unsubscribe, send E-mail to majordomo@qth.net with the text *unsubscribe swl*. Actual postings—**not subscription requests!!!**—should be sent to swl@qth.net.

Any questions? Send an E-mail to me at the address above.

See you online, see you next month, and hope to see many of you at the SWL Festival!

73 DE Richard

 SWL

Two Voices from the South: A Bit of History

by Pedro M. C. de Castro, Lorena-SP, Brazil
pmcc@easygold.com.br

The highlands in the northeast of Rio Grande do Sul are one of the few areas with blizzards in Brazil. Near the Peak of Igreja, 6100 feet, the Pelotas-Uruguay River is born. Instead of running east to flow into the ocean only 40 miles away, the river initially flows to the northwest and then

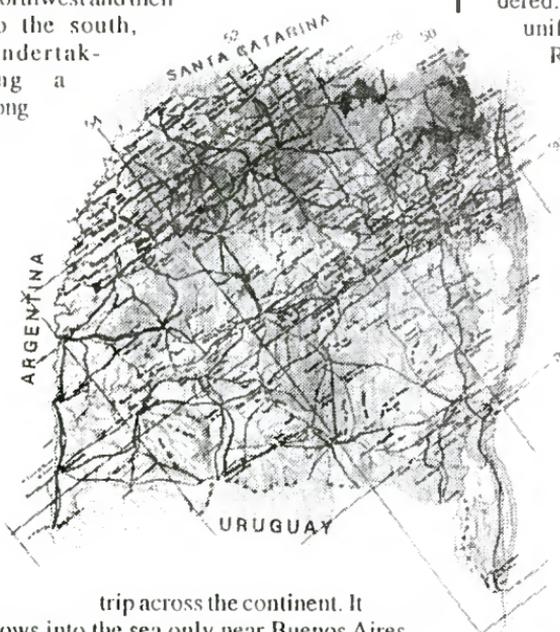
to the south, undertaking a long

division of the territory into two parts in 1828: The Province of Rio Grande do Sul, Brazil, in the north and the Republic of Uruguay in the south. Conquerors of their territory, but unsatisfied with their lack of autonomy, the people of Rio Grande proclaimed an independent republic in 1836. They supported a war against the Brazilian Monarchy until 1845, when they surrendered. Giuseppe Garibaldi, hero of Italian unification, fought in this war, aside the Republicans, and met his wife Anita.

Fig 1: Map of Rio Grande do Sul

With the same area as the State of Colorado and a present population of 9.7 million, Rio Grande do Sul is a State with a strong identity, a consequence of its past of war and massive European immigration. The most important immigrants were the Germans, established in the valley of the Jacui River, and the Italians, who preferred the highlands of the northeast. But the Spanish, Azorian, British, French, and Polish immigrants are also important. The state economy is diversified: mining, manufacturing, agriculture, livestock, agri-business, and tourism are important. The agricultural industry adopted a partnership system in which the companies provide technical assistance to thousands of small farmers and buy their products, thereby minimizing risks and assuring a good productivity and life quality.

trip across the continent. It flows into the sea only near Buenos Aires, Argentina, more than 1,000 miles from its source. This vast portion of land, surrounded by water, wasn't part of the original Portuguese domains in South America. Several conflicts involving the Portuguese and the Spanish colonizers turned the area into a no-man's land for over a century, and led to the



Two Radio Stations

From this salad of cultures, two radio stations are often mentioned in the logging sections of DX bulletins: Radio Guaiba and Radio Gaúcha. Despite their big size and coverage beyond the state frontiers, the stations don't forget local traditions, starting with their names: Guaiba is the river of Porto Alegre, the state capital, and Gaúcha is the female form of Gaúcho, the inhabitant and knight of Rio Grande.



Fig 2: Radio Guaiba's news studio. Speaker Milton Jung (top) has worked at the station since it began.

Aiming for an adult and relatively affluent audience, both stations are informative and cultural.

Radio Guaiba is also musical, with a sober and traditional style. **RÁDIO GUAIBA** 100KW - 720 KHz

Radio Guaiba was founded in 1957 and operates together with a newspaper, the *Correio do Povo*. Its news programs are: *Correspondente Renner*, 10 minutes live, 4 times per day; *Guaiba Noticias*, flashes each half hour; and *Jornal da Guaiba*, from 11-12 PM. Other important programs are *Espaco Aberto*, consisting of interviews and conversations with local and national political and economic celebrities, and *Plantao Esportivo*, a sports program. On Sunday mornings, the *L'Eco D'Italia*, a pro-



gram for the Italian colony, with talks in Portuguese and Italian (programs in Italian are common on local MW and FM stations in Rio Grande do Sul.

The *Musica da Guaiba* consists of musical intervals when rock and noisy music are forbidden.

Radio Gaúcha was founded in 1927, meaning that it is one of the oldest Brazilian stations. Old but modern. It is part of a group of 4 newspapers (the main one is the *Diario do Povo*), 103 radio and 16 TV stations linked by satellite, forming the Gaúcha Sat Network. Radio Gaúcha's 754 ft antenna is the highest in Brazil. They also take part in the *Cono Sur Network*, with *Radio Mitre* in Argentina, *Ñanduti* in Paraguay, *Carve* in Uruguay, and *Cooperativa* in Chile. Radio Gaúcha has a large news department, with correspondents all over Brazil and in the main countries of the world. It was the only Brazilian station that sent reporters to the Gulf War. Programs with interviews and talks with politicians, businessmen, artists, sportsmen, and other celebrities are common: *Gaúcha Atualidade*, *Polemica*, *Gaúcha Entrevista*, and others. The news program, *Noticias RBS Radio*, is



Fig 3: Radio Guaiba is located in an old but well preserved building in Caldas Junior st., a narrow street in the old downtown.

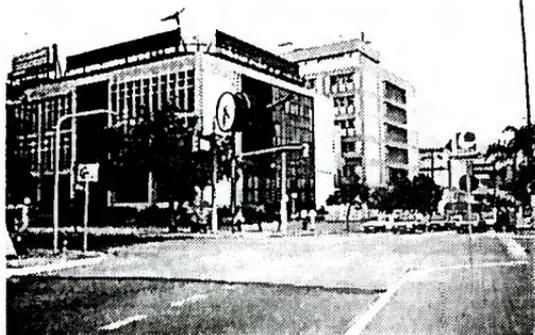


Fig 4: Radio Gaúcha is located in a modern building in Ipiranga Avenue, a short distance from downtown.

aired 12 times per day. On Sunday mornings, Galpao do Nativismo is program with the music and folklore of Rio Grande. Domingo Esporte Show, Bola na Mesa, and Jornadas Esportivas are sport programs. Two soccer clubs in Porto Alegre, the eternally rival Gremio Porto Alegrense and Internacional, are the passion of the Gauchos.

There are no dialects in Brazil, but some regional differences in intonation are notorious. Most TV and radio stations

normally use the "standard" form of Portuguese, but, thanks to the several interviews aired by radios Gaúcha and Guaiba, it's often possible to hear the unmistakable accent of Rio Grande, probably derived from the Italian influence.

Frequencies are 720, 6000, and 11785 for Radio Guaiba and 600, 6020, and 11915 for Radio Gaúcha. Don't worry if propagation is bad: both stations are available in Real Audio: Radio Guaiba at <<http://www.cpovo.net/radio>> and Radio Gaúcha at <<http://rdgaucha.com.br>> Good listening!

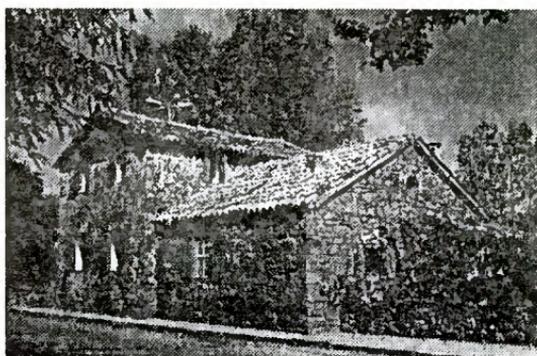


Fig 6: Museum of the Italian immigrant in the city of Caxias do Sul.

Acknowledgments: Mrs. Eliana Prado do Campo, Journalism Chief of Radio Guaiba; Mr. Luciano Klöckner, Journalism Coordinator of Radio Gaúcha; Mr. Célio Romais and Mr. Cláudio Ghiggi, DX Clube Paulista South Chapter.

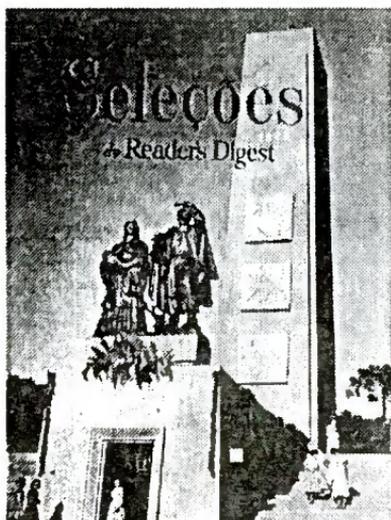


Fig 5: Monument to the Italian immigrant in Caxias do Sul - cover of the Reader's Digest Brazilian Edition in September 1955.



Fig 7: Views of the State highlands near the city of Canela.

DX Target: Voice of Oromo Liberation

Sagalee Bilisumma Oromoo Clandestine Broadcasting in the Horn of Africa

by Richard A. D'Angelo

In 1973, the Oromo Liberation Front (OLF), a political organization, was established by Oromo nationalists. It is hostile to the government of Ethiopia. The purpose of the OLF is to lead the national liberation struggle of the Oromo people against political oppression. The emergence of the OLF was a culmination of a century of effort for a strong, unified national Oromo organization. Although it took many years to launch, one of its most effective tools has been the establishment of a shortwave radio service to broadcast its message to the Oromo people.

This DX Target will take a brief look at clandestine broadcasting, then it will look at the Oromo people, which are the target audience of the Voice of Oromo Liberation, and finally it will take a look at the Voice of Oromo Liberation, or Sagalee Bilisumma Oromoo (SBO) in the Oromo language, which supports the Oromo Liberation Front and other groups opposed to the Ethiopian government.

Clandestine Broadcasting

Clandestine broadcasting provides a unique look into the politics of a region. Whether operating from an exotic remote location or renting time on a spare high-powered international transmitter, clandestine broadcast stations provide fascinating listening to the DXer. Naturally, clandestine radio stations can be many things. First, the station can be a psychological warfare tool that prepares a nation, its people, and its leadership for political upheaval. Second, they provide news, information, and propaganda to spread a group's political ideology and/or agenda. Third, clandestine broadcasters can provide misinformation to serve its political purposes. Whether a clandestine is operating from a remote jungle or from a high-powered international transmitter located in another

country, they are fascinating and extremely exciting to listen to and follow.

Clandestine broadcast stations are radio stations and programs operated by guerrilla or political groups, opposition parties, and government intelligence agencies for the purpose of destabilizing political systems or movements. Generally speaking, clandestine radio stations fall into one of three classifications. The first is the "gray" clandestine, which is operated by a political group and funded internally and/or externally through covert foreign aid. Some broadcasts are through local facilities, i.e. low-powered (mobile) transmitters from jungles or remote mountaintops. However, sometimes transmissions are through the facilities of international broadcast organizations in another country. Sometimes these third party facilities are an antagonist of the government fighting the opposition group, however, this foreign involvement is usually never acknowledged. The second type is the "white" clandestine, which is operated by a political group or directly by a foreign government. The use of these facilities is generally openly acknowledged. Finally, the third type of clandestine station is the "black" clandestine, which is operated by a government that is the target of a clandestine station and disguised as that station in order to weaken the ultimate impact on local citizens of the opposition group.

The Oromo People

Located in the Horn of Africa region in what is today Ethiopia, the Oromos are the third largest nationality in Africa and the single largest in East Africa. The land of the Oromo people covers an area of over 600,000 square kilometers. It harbors two of the three mineral belts and most of the agricultural and livestock land in Ethiopia. It is the richest portion of Ethiopia and the Horn of Africa in terms of natural resources.

The Oromo people are the single largest indigenous ethnic group of Africa. They live in east Africa in several countries, but mostly in Oromia, which is now included in Ethiopia. They constitute the largest ethnic group in Ethiopia, about 30 million people out of a total population of 60 million. During the twentieth century they have suffered loss of sovereignty to the government of Ethiopia and persistent political and social oppression.

During the harsh rule of Ethiopian King Haile Selassie, the Oromo language was banned while the government tried to impose the Amhara culture on all of Ethiopia. A grass roots resistance movement helped Mengistu overthrow Selassie in 1974, but the new communist government resumed the oppression of the Oromo nationalists. In 1991, a coalition of Oromo, Tigre, and Eritrean Liberation Fronts ousted Mengistu. However, the new government continued to deny Oromos political freedom, although the Oromos are now allowed to speak their own language. Hunger, unemployment, loss of land, and on-going armed conflicts are still present. Thus, the struggle continues.

Today, there are more than 250,000 Oromo refugees throughout Africa. The Ethiopian government fears the Oromo people because there are so many of them. They are not as well educated as the Amhara and have been downtrodden for centuries. However, their location in one of the richest natural resource regions in the Horn of Africa makes political independence a difficult proposition at best.

About the Station

Sagalee Bilisumma Oromoo is a radio program in Afaan Oromoo, the Oromo language. SBO started broadcasting in June, 1988, with a daily half-hour transmission via the Sudan. Gradually, this was raised to 2 hours of Afaan Oromoo and 45 minutes of Amharic language programs by 1990. Unfortunately, the program terminated in June, 1992, because of the turmoil in the region. The transmissions resumed in the beginning of 1995 via the facilities of WWCN and WHRI in the US, but were discontinued shortly thereafter due to poor reception in the target area. They commenced once again in June, 1995, via transmitters in the Ukraine

and Germany and they are currently being well received by a majority of the Oromo people in Ethiopia and neighboring countries via the transmitter facilities of the Deutsche Telekom AG (DTK) in Jülich, Germany. SBO broadcasts its programs three hours a week to North Africa with a special focus on the Horn of Africa. Broadcasting time will be expanded if funds become available. SBO aims to draw attention to the rich traditional knowledge and cultural heritage of the Oromo. It provides information to its listeners in the form of regional and international news, democracy and human rights issues, culture and language, the economy and environment, and health education.

Although the station can be somewhat elusive, the Voice of Oromo Liberation currently broadcasts in Oromo and Amharic to East Africa and the Middle East on 11725 kHz in the 25 meter band from 1700 to 1759 UTC on Thursday, Friday and Saturday. The station's letter indicated a schedule on 9490 kHz at 1600 to 1700 UTC on Monday, Wednesday, and Saturday. The aim of the Voice of Oromo Liberation is to reach the millions of Oromos living in rural areas cut off from the rest of the world by poverty, illiteracy, and oppression.

The station confirms listener reception reports with a frequency only letter from Taye Teferra, SBO Committee Europe. Letters can be sent to the following address:

Sagalee Bilisummaa Oromoo
Voice of Oromo Liberation
P. O. Box 510610
13366 Berlin
Germany

I would like to thank the station for sending a wealth of interesting and valuable information about their formation and purpose. Also, I would like to thank Nick Grace's Clandestine Radio Intel Web <<http://www.qsl.net/ybOrmi/cland.htm>> for valuable background information and Numero Uno for background material and the latest broadcast times and frequencies. Remember to send loggings of the Voice of Oromo Liberation to Wallace Treibel for the Log Report and verifications to Sam Barto for inclusion in the QSL Report. Good luck with this DX target! 

Listener's Library

T. J. "Skip" Arey N2EI
P. O. Box 236
Beverly, NJ 08010
Internet: tjarey@home.com

I have not had the pleasure of welcoming the review Rich D'Angelo into the pages of *The Journal* for quiet sometime. I am happy to report that Rich resurfaced recently with a couple of fine reviews that we can all enjoy this month.

LA DXing

No. 6—1997

By Radio Nuevo Mundo

Reviewed By Richard A. D'Angelo

This is one of those reviews I have been meaning to do for quite some time. Unfortunately, time and a busy schedule have been enemies of my hobby reading these last two years. However, the recent holidays allowed me to put pen to paper. There are very few shortwave broadcast related materials as high in quality as the current *LA DXing*, No. 6—1997 published and distributed by our friends at Radio Nuevo Mundo. This is by far the most informative series of publications on the subject of *DXing* Latin America.

The first issue came out almost two decades ago. The second edition was merely labeled "revised." Little did the authors realize they were on their way to producing the definitive work on *DXing* Latin America. Subsequent editions followed in 1985, 1987 and 1992. The latest edition, No. 6, although issued in 1997, provides a wealth of information about *DXing* from this region. This edition, as well as all the prior editions, is must reading for shortwave broadcast listeners that *DX* this part of the world.

The book contains 270 pages of useful information in a *Journal* page-size format. The first section, *Sintonia DX* compiled by Takeshi Sejimo, is a listing of Latin American stations by frequency reported from 1992

through publication in 1997. The second section, *Trabalengus DX* compiled by Tetsuya Hirahara, is a collection of station identifications from each country in Latin America. This section is extremely valuable when tuning a new signal in the tropical bands since it not only contains station identifications but important station announcements often heard during broadcasts. Wise use of this material can be very helpful in identifying a new catch.

The next section is the heart and soul of the book, *Relampago DX*, which is compiled by NASWA member Takayuki Inoue Nozaki ("TIN"), provides interesting station profiles for 49 legal and illegal Peruvian shortwave broadcasters in sixteen cities. Much of the material was obtained based on the authors' travels to stations in the Departments of Huancayo, Ucayali, San Martin, Amazonas, and Loreto between 1985 and 1997. TIN has been traveling to Latin America since 1984, providing much of the scholarly research in the public domain that is available to dedicated Latin DXers. He has visited over 1000 stations through Central and South America during this period. Since *DXing* is a collaborative work, the author has relied on information developed by other top Latin DXers over the years such as Henrik Klementz, Pedro Francisco Arruntegui, and Juan Carlos Codina. With background material provided by himself and others plus actual station visits, TIN has crafted a section unparalleled in the *DX* press.

The final section, *Terremoto DX* compiled by Tetsuya Hirahara, provides another series of articles about a *DX* trip to La Mosquitia and the stations of that Honduran region. Also, Don Moore provides some interesting information about clandestine radio and *Fi-*

del Castro and the last days of Radio Impacto. Although this section is much smaller than the previous section, it nevertheless contains some very interesting and valuable reading.

LA DXing, No. 6—1997 is a well-prepared volume of DX research, which is indispensable for the shortwave listener with an interest in this region of the world. It contains many photographs of station personnel, buildings and equipment that make the book come alive. Also, the book contains numerous copies of pennants, station logos and mastheads and other interesting material that carefully rounds out the subject.

LA DXing, No. 6—1997 is available direct through Radio Nuevo Mundo, c/o Tetsuya Hirahara, 5-6-6 Nukui-kita, Koganei-shi, Tokyo 184, Japan for US\$20.00 or 20 International Reply Coupons for airmail delivery. Payment can be made in U.S. cash, International Postal Money Order, Postal Giro (Tokyo 00180-1-89806, Tetsuya Hirahara). It is well worth the price. You may want to inquire about the availability of back editions since they provide a very valuable DX resource to the shack. If you are interested in listening to shortwave broadcast stations from Latin America, then you need to add one or more editions of LA DXing to your DX shack library.

Pirate Radio

The Incredible Saga of America's Underground, Illegal Broadcasters

By Andrew Yoder

ISBN 1-878707-29-9

HighText Publications Inc.

Reviewed By Richard A. D'Angelo

There are few people as qualified as Andrew Yoder to write such a book about pirate radio activity. The author has been a devoted listener to illegal pirate radio broadcasting activity since the tender age of thirteen. He has authored books, produced a CD, written extensively in magazines and club bulletins and lectured at radio conventions about his

favorite pastime, pirate radio. However, Andy is more than just another shortwave listener looking for something different to tune his rig to. Yoder appreciates the trials and tribulations of this hardy band of broadcasters. This is evident in his treatment of the historical side of this aspect of the shortwave listening hobby.

Pirate Radio, The Incredible Saga of America's Underground, Illegal Broadcasters is a 326 page book published by HighText Publications Inc of Solana Beach, CA. It is richly illustrated with dozens of pirate radio station QSL cards and photographs, which provides the reader a true feel for the excitement these illicit broadcasters bring to the scene. The book begins with a rather interesting introduction by the author explaining how he became involved in pirate radio. Most radio listeners are fascinated about how other listeners got involved in the shortwave hobby. Andy's early days are very much like many listeners but with an interesting pirate twist.

Pirate Radio, The Incredible Saga of America's Underground, Illegal Broadcasters consists of 12 chapters that takes the reader from the beginnings of pirate radio (1925-1976) and quickly moves the reader into the modern era, 1976-1982. From there the author looks at pirate broadcasters since 1983, covers the European, offshore, holiday, local and micropower, and political pirates scenes. The subject is rounded out with chapters about the Federal Communications Commission and its treatment of pirate radio operators, verifying pirate broadcasters and equipment necessary to hear these types of broadcasts. The book includes a unique CD, which contains interesting samples of actual pirate radio transmissions. If the reader has never heard such broadcasts, purchasing this book will not only provide an interesting read about the subject, it will also give the novice an opportunity to actually hear segments of these broadcasts.

The CD that comes with the book makes for some interesting listening. It contains both studio and off-the-air recordings of pirate radio stations. Although the audio quality isn't as good as most of us are accustomed to from CD technology because of the nature of the broadcasts, the CD does provide a method of furnishing authentic samples of the pirate stations discussed in the book. There are 14 different tracks with excerpts from some of the early pirates on track one. Some of the legendary pirates, such as WFAT, are covered in other tracks. Many of the tracks cover the early 1980 period to the present day. Among the favorites are WKND, Omega Radio, the infamous Voice of Tomorrow, the Voice of Revolutionary Vinco, Hope Radio International, New Zealand's KIWI Radio, Samurai Radio, Radio Free Euphoria, and Radio Newyork International.

If you are interested in pirate radio, then you need to add this publication to your bookshelf. It provides a good history of early pirate radio, discusses many of the stations and while telling their unique stories, and provides valuable samples of actual pirate

programming. It is a behind-the-scenes look at illegal broadcasting on shortwave. The author is clearly an expert in the field. His writing style is straight forward and he refrains from using too much technical jargon. Simply put, this is an easy read and provides much useful information about a very unique aspect of shortwave listening, pirate radio.

Pirate Radio, The Incredible Saga of America's Underground, Illegal Broadcasters is available from Universal Radio (6839 American Parkway, Reynoldsburg, OH 43068-4113 or 1-800-431-3939 for telephone orders) for US\$29.95 plus another US\$2.00 shipping and handling in North American and US\$4.00 shipping and handling to the rest of the planet.

Once again, thanks to Rich for his fine efforts in taking the time to share what he's been reading with the rest of us NASWAites. You can do the same as well. What are you reading in relation to the hobby? Why not jot down a few lines and send them along. Snail mail and e-mail are fine. Join in the fun! 

FOR SALE: Universal Radio's M-1000 Computer Decoder Card. Decodes RTTY, FAX, Morse, SITOR, and ARQ to your computer screen. Requires one full slot on your PC. Includes manual and 3 1/2" diskette with software. Price \$195.00. ALSO, Customized Beam Headings (from/to) and Distances (M/KM) to more than 480 WRTM transmitter sites including Russian republics. ITU Country Codes included. Send your location or coordinates, \$8.00. ALSO, 1996, '97, and '98 NASWA Journals complete, \$16.00 each. 1996 "Passport to World Band Radio", \$10.00. WRTM '91, \$5.00; '97, \$12.00; '98, \$16.00. All prices include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehman, Route 2, Box 3-B, Tryon, NC 28782. E-mail <ADrehman@juno.com>. Phone (828)894-3398, not collect.

Please note that the NASWA Headquarters e-mail address has changed from <boliver@blackboard.com> to <boliver@bboard.com>. This was caused by some sort of conflict with "Blackboard.net". Sorry for the inconvenience.

The Sun And Short-Wave Reception (Part 10)

This month we conclude our examination of how the sun influences shortwave propagation. We will look at some of the information available on the Internet at a click of the mouse to help you make your own propagation predictions. I will be presenting some pretty complicated URL's (Internet web site addresses) so you may want to wait for this article to be posted on the NASWA web site so you can then just copy and paste the URL's.

Some SWLs lament the fact that the Internet is supplanting shortwave radio as a way to deliver international broadcasts. Better to think of the Internet as a tool for the SWL. You can download software to permit calculation of optimum frequencies and times to hear a specific country or you can use already existing web sites to do the numbers for you.

There is no way I can cover all the Internet sites that are out there. I will provide information on some sites I personally use. My computer is about four years old and runs on Windows 3.1. The hard drive space is limited to only 400 megabytes. So I try to use web sites with bigger, more modern computers behind them to assess and predict propagation conditions. I will describe what each site does for me and tell you why I find these sites interesting.

There are two places I would recommend you begin your quest for information. You should check both resources as good entry points to the entire subject. The first is a page

operated by Radio Netherlands. You can get there through the URL: <http://www.rnw.nl/realradio/practical/html/propagation.html>. This site features short descriptions and links to many sources operated by governments, commercial enterprises, or individuals. A similar site is operated by by NASWA member Pete Costello at URL <http://itre.ncsu.edu/radio/srcrs2.html>. Pete's site also features short descriptions of each linked site and what kind of information you can get from each link. Pete's site has links to several software providers for those of you who would like to roll your own detailed propagation predicts.

We all know that the sunrise/sunset terminator line (the grayline) provides enhanced propagation especially on the 90 and 60 meter bands. There are two pages that provide realtime maps of the earth showing where this line is at any instant. The first provides a Mercator projection and can be seen at: <http://www.fourmilab.ch/cgi-bin/uncgi/Earth?action?opt=-p>. The other site provides a 3D view of the earth from space. You can position yourself over any point on earth by clicking on that point. You can set your apparent distance above the earth through the interactive options provided starting with this URL: <http://www.fourmilab.ch/cgi-bin/uncgi/Earth?imgsize=320&opt=-1&lat=-1.45833&ns=North&lon=174.583&ew=West&alt=147807488&img=learth.evif>. You can change the "lat", "lon" and "alt" terms in this URL to move around the earth.

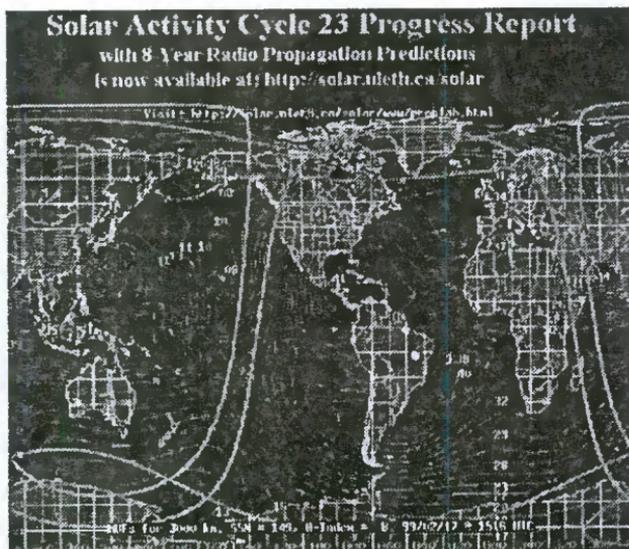
A very complete site for propagation related data and useful predict maps comes from the Australian IPS. The IPS Forecast Centre produces an extensive range of daily, weekly, and monthly reports of space weather conditions as well as warnings and alerts of significant events. These can be viewed at their web site or alternatively are available via a mailing list server. Their home page is <<http://www.ips.oz.au/>>. Warning, much of the information available on this site requires a browser equipped for Java script.

The IPS Hourly Area Predictions Charts provide maps of optimum frequencies centered on major cities. The maps have contour lines circling the city of interest showing the best frequency range to use to reach target areas on the same continent. The North American charts can be centered on any of the following cities: Boston, Boulder, Kansas City, Minneapolis, Montreal, New Orleans, Orlando, Phoenix, San Francisco, Vancouver, Washington DC, White Horse, and Winnipeg. Predicts are updated every hour and include effects of current ionospheric conditions.

My favorite propagation site is in Canada. For a real time map showing maximum usable frequencies, sunrise/sunset gray-line corridor location, latitude and longitude of the sun, and the location of the polar auroral absorption zones go to <<http://solar.uleth.ca/solar/www/realtime.html>>. The image is a high-resolution Mercator projection map of the earth with contour lines showing maximum usable frequencies (MUFs) for 3,000 kilometer radio signal paths. This is one of the constructable maps produced by PROPLAB-PRO Version 2.0, a radio propagation software package for IBM type PCs. The map is updated every 30 minutes. They sell the

software and register you for propagation training classes from this same page.

The map can be used to determine the MUF for any 3,000 kilometer path by finding the midpoint of the path and reading the labelled MUF contour value. For 4,000 kilometer paths, you should multiply the given MUF contour value by 1.1 at the midpoint of the desired path. For longer path lengths, which require two hops, you divide the path into equal 3,000 or 4,000 km segments and compute the MUFs corresponding to the two midpoints that are 1,500 or 2,000 km from



Country List Committee Report

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The Country List Committee is pleased to announce the addition of Puerto Rico to the NASWA Country List as a radio country.

A majority of the seven member committee approved the addition.

The decision is based on information from an official source, Wayne E. Eternicka, broadcast operations specialist at the Department of the Navy, Naval Media Center, Washington, DC, that recent broadcasts of AFRTS programming on 6,458.5 kHz, were from a Navy transmitter located in Puerto Rico.

While this was not the only frequency used for the AFRTS programming, the 6,458.5 kHz frequency is believed to be the only one originating from Puerto Rico.

The information indicates that this signal originated from the "Naval Computer and Telecommunications Station, Puerto Rico" broadcasting "with a ground-based, omnidirectional wire antenna with a 30 foot diameter. The signal is broadcast at 10 kilowatts from Isabela, Puerto Rico."

Further, according to the source, "AFRTS shortwave radio transmissions have historically existed to provide AFRTS radio service to U.S. Navy ships, vessels and outlying military posts receiving limited American radio or television through other means. The signals will be in existence for a limited time until a new technology, which is currently being tested, allows for reception of AFRTS via satellite."

The committee has concluded that these transmissions fall within NASWA's established and traditional definition of shortwave broadcast transmissions.

The committee recognizes, of course, that Puerto Rico is a commonwealth within the United States and is not an independent and autonomous nation, however, within the tradition of the radio listening hobby, it is considered a "radio country" and can be counted as such for DXing purposes.

On another matter, questions have been raised concerning Voice of America transmissions from Tinian island in the Mariannas.

The Pacific area radio country, Commonwealth of the Northern Mariannas



Puerto Rico

has been included in the NASWA Country List for a number of years and has been represented by SW broadcasts from the island of Saipan. The committee has been asked to consider whether Tinian, another island in the commonwealth, should be considered a separate and different radio country.

The committee considered the question and concluded that historically and geographically there are insufficient reasons to consider Saipan and Tinian as separate radio countries. Reception of stations on either or both of these islands will count as only the single radio country, Commonwealth of the Northern Marianas.

Questions and comments about the NASWA Country List are always welcome.

Don Jensen, Chairman
Country List Committee



Listener's Notebook

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ANGOLA Vorgan schedule. Angolan grey clandestine *VORGAN - a Voz Resistencia da Galo Negro*—operated by UNITA, resumed broadcasts in January.
0700-0900 5950
1200-1430 11830
1900-2100 7100

(Pires-POR/25-Jan/Clandestine Radio Watch/Schoech-GER)

4950 *Radio Nacional da Angola*, 0459—0502, Portuguese, news Program, ID "Esta e Radio Nacional da Angola...da Luanda transmite Radio Nacional" (12-Feb/Eramo/DSWCI DX Window/Petersen-DEN)

ANTARCTICA LRA36 began testing on 16-Feb. on 15475.8. "Good lord! It's HUGE here!" (2352 18-Feb/Rippel-VA/BC-DX/Bueschel-GER) They were about an S7 here; if them, better than I've hrd them in the past. They just signed off at 0059 Feb 19 with no closing announcement. (19-Feb/Sgrulletta-NY/NU/BC-DX/Bueschel-GER)

AUSTRALIA 5025 VL8K 2137 M and W in news with mention of "Australian citizens" and Northern Territory; into pop vocal at 2144. In clear when tuned on LSB to avoid presumed Uganda carrier on 5026. Co-channel Cuba began to show around 2145 and completely dominate a few minutes later. Also coming through with inferior reception on //s 4910 (noisy) and 4835 (severe QRM from big ute on low side). This is the first time in a couple of years I've heard this trio of 60M Aussie transmitters during our late afternoon. (11-Feb/Hill-MA)

BELGIUM RTBF is the broadcasting organization of the French-speaking community in Belgium. This shortwave service, aimed at listeners in Africa, consists of relays of RTBF domestic radio channels. It was inaugurated on 1st February 1999. All broadcasts are transmitted via Deutsche Telekom facilities in Jülich, Germany. This schedule is effective until March 28th 1999.

0400-0600	French	9490 Mo-Fr
0530-0600	French	9490 Sa/Su
0600-0915	French	17650 Su
0600-0810	French	17650 Mo-Fr
0600-1100	French	17650 Sa
1100-1315	French	21565 Mo-Fr
1100-1215	French	21565 Sa

1200-1215	French	21565 Su
1600-1810	French	13820 Su-Fr
1700-1810	French	13820 Sa

(BBCM)

CENTRAL AFRICAN REPUBLIC In response to an E-mail inquiry after hearing a unid station on 9900, this info was received from David Smith of *Radio Minurca*: "We haven't been broadcasting on 9900 since the end of December. The transmitter broke down. The 20 kW Telefunken we used was an old piece of unreliable equipment (junk). It arrived without spare parts and lasted long enough to get us through the electoral period here in the CFR. Trying to get a new, compact, solid-state replacement 10 kW transmitter with secure funds when available. Current schedule: 0600-1600, 9500 and 1600-0600, 5900 with a power of 125 Watts!" (Kusalik/NU/DSWCI DX Window/van den Boogert-TWN) Good news for those who didn't succeed in picking up the very weak signals from Radio Minurca late 1998. David Smith today informed me that Radio Minurca will have a new and more powerful transmitter up and running between now and the end of March—and it will run on 9900. (18-Feb/Nielsen-DEN/BC-DX/Bueschel-GER)

CHINA China National Radio (CPBS) Taiwan service:

0055-0615	5090 6015 7620 9380 11100 11935 15710
0955-1300	6015 7620 9380 11100 11935 15710
1300-2300	5090 6015 7620 11100 11935 15710
2300-2405	6015 7620 9380 11100 11935 15710

CNR Chinese World:

0000-0105	9170 11000
0355-1300	11000 15880
1300-1400	9170 11000
1400-1805	6790 9170
2055-2400	6790 9170

Voice of Pujiang:

1200-1600	3280 4950 5075
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Voice of the Strait:

0855-1300	6115 7280 9505
1300-1800	4900 5050 6115
2055-2400	4900 5050 6115

Voice of Jinling:

0155-0400 7215
1155-1600 5860

China Huayi BC:

0255-0600 6185 4940
0900-1300 6185 4940
1300-1600 4940 4830

(3-Feb/Liu-TWN/BC-DX/Bueschel-GER)

As a result of Voice of the Strait dropping their long-time frequency of 4940, *China Hua-yi Broadcasting Company* has immediately taken over this channel and is using it for its evening broadcast which ends at 1600 now. 4940 runs // to 4830 but this channel was not observed until the end of January. At last check China Hua-yi BC is still using 6185 for their mid-day broadcast which starts at 0255. There seems to be an increased activity on the domestic shortwave scene in China, apart from the two cases mentioned above. I encourage everyone to observe and report new outlets/frequencies or broadcasting times. In case of doubt please first check for parallel outlets of CNR 1, CNR 2, CNR Taiwan and CNR Chinese World. You can also check the Radio China web site www.swl.net/radiochina and in the "Fun with Chinese" section you will find audio clips with identifications of the following Chinese stations: China National Radio, China Radio International, China Huayi Broadcasting Corporation, Fujian PBS, Gansu PBS, Heilongjiang PBS, Jiangxi PBS, Voice of the Strait, Xinjiang PBS. (1-Feb/van den Boogert-TWN/EDXP/Padula-AUS)

The *Central People's Broadcasting Station* (CPBS) is officially referred to in English as *China National Radio* (CNR), although it continues to identify itself in Chinese as Central People Broadcasting Station, First program ("Zhongyand Renmin guangbo diaintaidi-yi tao jiemu") This schedule is based entirely on monitoring observations apart from relays from Lhasa and Urumqi, which have not recently been confirmed.

CPBS First Program

0000-0030 5955 6030 6110 7220 7345 7504 7935
9080 9645 9830 9845 10260 11630
11860 11925 12030 5480
0030-0100 5955 6030 6110 7220 7935 9080 9645
9675 9830 9845 10260 11630 11860
11925 12030 15480 15500
0100-0130 7220 7935 9645 9675 10260 11630
11860 11925 11960 12030 15390
15480 15500 17550
0130-0200 7220 9645 9675 11860 11925 11960
12030 15390 15480 15500 17550
0200-0900 9645 11860 11960 12030 15390 15480
15500 17550 17580 17605
0900-0930 9080 9645 10260 11630 11860 11960
12030 15390 15480 15500 17550
17580 17605

0930-1000 9080 9645 9675 10260 11630 11860
11960 12030 15390 15480 15500
17550 17580 17605
1000-1030 6110 9080 9645 10260 11630 11860
12030 15390 15480 15500 17550
17580 17605
1030-1100 5030 6110 7504 9080 9645 10260
11630 11860 12030 15390 15480
15500 17550 17580 17605
1100-1130 5030 5880 6110 7504 9080 9800 9830
10260 11630 11860 12030 15390
15480 15500 17550
1130-1200 5030 5880 6110 7504 9080 9800 9830
9845 10260 11630 11860 12030 15480
15500
1200-1230 4460 5030 5880 6110 6125 6750 7290
7305 7504 7935 9080 9800 9830 9845
10260 11630 11860 15500
1230-1300 4460 5030 5880 6110 6125 6750 7290
7305 7504 7935 9080 9800 9830 9845
10260 11630 11860
1300-1600 4460 5030 5320 5880 5915 6110 6125
6750 7290 7305 7345 7504 7935 9080
9800 9830 9845 11925
1600-1615 5030 5880 6110 7305 7345 7504 9800
9830 9845 11925
1615-1735 5030 5880 6110 7305 7345 9800 9845
11925
1958-2300 4460 5030 5320 5880 5915 5955 6110
6125 6750 7290 7345 7504 7935 9080
9830 9845 10260 11630 11925
2300-2330 4460 5030 5880 5915 5955 6110 6125
6750 7290 7345 7504 7935 9080 9830
9845 10260 11630 11860 11925
2330-0000 5030 5880 5915 5955 6110 6125 6750
7290 7345 7504 7935 9080 9830 9845
10260 11630 11860 11925

CPBS Second Program

0000-0030 5075 6890 6895 9064 9775 9810
11670 11730 11800
0030-0100 6890 6895 9064 9775 9810 11670
11710 11730 11800 12080 15500
0100-0130 6895 9775 9810 11670 11710 11740
11800 12080 15500 15540
0130-0200 6895 9775 9810 11670 11710 11740
11800 12080 15500 15540
0200-0230 9500 9775 11040 11610 11670 11710
11740 11800 12080 15500 15540
0230-0300 9500 9775 11040 11610 11670 11740
11800 12080 15500 15540 15570
0300-0500 9500 9775 11040 11610 11670 11740
11800 12080 15500 15540
0500-0530 9500 11040 11670 11740 11800 12080
15500 15540
0530-0600 11040 11670 11800 15500 15540
0600-0630 9500 11040 11670 11740 11800 12080
15500 15540 15570
0630-0900 6895 9500 11040 11670 11740 11800
12080 15500 15540 15570
0900-0930 6895 7200 9064 9500 11740 11800
12080 15500 15540 15570

0930-1000 6895 7200 9064 9500 9810 11740
11800 12080 15500 15540 15570
1000-1030 4850 6895 7200 9064 9500 9810
11740 11800 12080 15500 15540
15570
1030-1100 4850 6890 6895 7200 9064 9500 9810
11710 11740 11800 12080 15500
15540
1100-1130 4850 6890 6895 7200 9064 9500 9775
9810 11710 11740 11800 15500 15540
1130-1200 4850 6890 6895 7200 9064 9500 9755
9775 9810 11710 11740 11800 15500
15540
1200-1300 4850 5010 5075 6890 6895 7200 9064
9500 9755 9775 9810 11710 11730
11740 11800
1300-1400 4850 5010 5075 5163 6890 6895 7200
9064 9500 9755 9775 11710 11730
11740 11800
1400-1500 3290 4850 5010 5075 5163 6890 6895
7200 7315 9064 9500 9755 9775
11710 11730
1500-1600 3290 4850 5010 5075 5163 6890 6895
7200 7315 9064 9500 9755 9775
11730
2058-2230 3290 4850 5075 5163 6895 7200 7315
9064 9500 9755 9775 11730
2230-2300 4850 5075 5163 6895 7200 7315 9064
9500 9755 9775 11730 11800
2300-2330 4850 5075 6895 7200 7315 9064 9500
9755 9775 9810 11730 11800
2330-0000 5075 6895 7200 7315 9064 9500 9775
9810 11670 11710 11730 11800

CNR Minorities service

0030-0130 Tibetan 8566 11375
0130-0230 Uighur 10260 11375 11630
0230-0330 Kazakh 10260 11375 11630
1000-1100 Korean 8566 9920
1100-1200 Mongolian 4190 5420
1200-1300 Tibetan 4820-L 5950-L 5995-L
6110-L 6130-L 6200-L
8566 9390 9565 9755
11740
1300-1400 Uighur 3990-U 4735-u 8566 9390
10260 11630
1400-1500 Kazakh 4330-u 4970-u 8566 9390
10260 11630
1500-1600 Mongolian 9390 8566 9390 10260
11375 11630
2130-2226 Korean 4190 5420
2330-0030 Mongolian 4190 5420

L=Lhasa, U=Urumqi (BBCM)

Some services are carried over the Hohhot transmitters in the Nei Menggu Autonomous Region:

0000-0057 Russian 7110 4815
1000-1057 Russian 9725 7110
1100-1157 Russian 9725 7110
1200-1257 Mongolian 4883 4815
1300-1357 Russian 4883 4815
1400-1457 Mongolian 4883 4815

1500-1557 Russian 4883 4815
2300-2357 Russian 7110 4815

(NDXC/EDXP/Padula-AUS)

CHINA—TAIWAN Radio Taipei International
complete schedule, all services, as of 1-January:

Variety network (all in Chinese):

0000-0100 3335 6085
0100-0200 3335 6085 9280
0200-0400 9280 11970
0400-0500 6085 6180 9280 11775 11840 11970
0500-0700 6085 6180 11775 11840 11970
0700-0800 3335 6085 6180 7285 11840 11970
0800-0900 3335 6085 6180 7285 11840 11970
15125
0900-1000 3335 6085 7285 11840 11970 15125
1000-1100 3335 6085 7285 11775 11840 15125
1100-1400 3335 6085 6180 11775 11840
1400-1500 3335 6085 6180 9690 11775 11840
1500-1700 3335 6085 6180 9690 11775 11840
15125
1700-1800 3335 6085 6180 9690 11775 11840
1800-0000 3335 6085 6180

News network (all in Chinese):

0000-0100 6040 7250 9610 9630 15125
0100-0300 6040 7250 9630
0300-0400 6040 7250 9610 9630
0400-0500 6040 7105 9610 9630 11725
0500-0600 7105 9610 11725
0600-0900 7105 11725
0900-1100 6040 7105 7250 9630 11725
1100-1200 5950 6040 7105 7250 9630 11725
1200-1400 6040 7105 7250 9630 11725
1400-1500 5950 6040 7105 7250 9630 11725
1500-1600 6040 7105 7250 9630 11725
1600-1800 6040 7105 7250 9630
1800-2200 6040 7105 7250
2200-2300 5950 6040 7105 7250 9610 11725
11860 15125 15440
2300-0000 5950 6040 7105 7250 9610 9630
11725 11860 15125 15440

Dialect network:

0000-0100 Hakka 11745
0000-0500 Cantonese 9690
0100-0200 Cantonese 11550
0100-0200 Hakka 15345
0200-0300 Amoy 11550 11915
0200-0400 Hakka 7130
0300-0400 Amoy 11915
0500-0600 Amoy 11745
0500-0600 Cantonese 11915 15270 15345
0800-0900 Amoy 11745
0900-1000 Hakka 15345
0900-1400 Cantonese 9690
1000-1100 Amoy 7130 11550 15345
1000-1100 Cantonese 7445 9610 11915 15270
1000-1100 Mongolian 11905
1100-1200 Cantonese 15270
1100-1200 Tibetan 11905
1200-1300 Cantonese 9765

1200-1300	Uighur	11905
1300-1400	Amoy	7130 11860
1300-1400	Cantonese	9765 15345
1400-1500	Hakka	15345
1500-1600	Hakka	9610

External services:

0100-0200	Chinese	17845 15215 11845
0100-0200	Japanese	15270 11745
0100-0200	Spanish	11825 15215
0200-0300	English	11740 9680 5950 11745 11825 15345

0300-0400	English	5950 9680 11745 11825 15345
0400-0500	Chinese	5950 9680 7130 11825 15270 15345 SEAs

0400-0500	Spanish	11740
0600-0700	German	9985
0600-0700	Spanish	5950
0600-0700	Thai	15270 15345
0700-0800	Chinese	7130
0700-0800	English	5950
0700-0800	French	7520
0800-0900	Indonesian	7130 11550 11915
0900-1000	Chinese	7445 9610 11550 11745 11915

1100-1200	Indonesian	11550
1100-1200	Japanese	7130 15345
1200-1300	Chinese	11745 15270
1200-1300	English	9610
1200-1300	Indonesian	15345
1300-1500	English	15125
1305-1400	Russian	15695 9610
1400-1500	Japanese	7130 11745
1400-1500	Thai	11860 15270
1500-1600	Vietnamese	11745 15345
1705-1800	Russian	9955
1800-1900	French	17555
1800-1900	German	9955
1900-2000	Chinese	9955 15600 17750
2000-2100	Arabic	9630 11775
2000-2100	French	11665
2000-2100	Spanish	11665
2100-2200	German	15600 17750
2200-2300	English	9985 5810
2200-2300	Thai	7445
2300-0000	Spanish	9690 11720
2300-0000	Vietnamese	11745 15345

Voice of Asia:

0300-0700	Chinese	7285
0700-1100	Chinese	9280
1100-1200	English	7445
1100-1300	Chinese	15125
1200-1300	Indonesian	7445 11860
1300-1500	Chinese	7445
1500-1600	Thai	7445 15270
1600-1700	Indonesian	7445 11745
2300-0000	Thai	7445 15270

(3-Feb/Liu-TWN/BC-DX/Bueschel-GER)

CLANDESTINE—AFRICA *Voice of Peace and Democracy of Eritrea* was first observed on 1st February 1999. It opposes the Eritrean government and describes itself as a broadcast of the People's Democratic Forces of Eritrea. It is transmitted via the facilities of Voice of the Tigre Revolution, a pro-Ethiopian government station based in Mekele, capital of Tigre region in northern Ethiopia.

1430-1500	Tigrigna	6315 5500 Mo/We/Fr
1430-1500	Kunaminga	6315 5500 Tu/Th/Sa (BBCM)

COLOMBIA 4974.99 *Ondas del Ortegua*, Florencia, Caqueta, 2345 making one of its infrequent appearances with northern-sounding mx and baladas, IDs and time checks by M between most songs, strong signal but distorted audio. Full ID with frequencies and calls 0001: "Somos TODELAR, somos profesionales." (2-Feb/Novello-NC)

CONGO—DEMOCRATIC REPUBLIC Although this station continues to identify itself as "RTNC Bukavu" (RTNC = Radio-Television Nationale Congolaise) it is currently controlled by rebel forces of the Congolese Rally for Democracy (RCD) and no longer relays programming from RTNC in Kinshasa.

0400-0630	Multilingual	6713.3U
0900-1800	Multilingual	6713.3U

News in French at 0430, 1030, 1630; news in *Swahili 0630. (BBCM)

CROATIA *Croatian Radio*

External service

0000-0200	Croatian/SS*	9925
0200-0600	Croatian/EE*	6130
0600-1000	Croatian/EE*	13820

* News on the hour

Studio Zagreb first program

0000-0500	Croatian	6165
0500-0600	Croatian	7305
0600-0730	Croatian	7305 9830
0730-0800	Croatian	6165 7305 9830
0800-1000	Croatian	6165 7185 9830
1000-1600	Croatian	6165 7185 9830 13830
1600-1630	Croatian	6165 7185 7525 9830 13830
1630-1730	Croatian	7525 9830 13830
1730-1800	Croatian	7525 13830
1800-2000	Croatian	5890 7525
2000-2030	Croatian	5890
2030-2100	Croatian	5890 6165
2100-2200	Croatian	9860j
2200-2400	Croatian	6165

News in English:

0705-0710	Mo-Fr
0805-0810	Su
0905-0910	Mo-Fr
1005-1010	Su
1305-1310	daily
2005-2010	daily
2305-2310	daily

CUBA 2440h *Radio 26*, Central Espana, Matanzas, 0030 2 x 1220, alerted by Pritam Saini in #swl to station here, with mix of Latin American music and Carly Simon's "You're So Vain" riding above the noise level. ID 0045: "Desde Matanzas, La...Transmite Radio Veinte y seis." (1-Feb/Novello-NC)

3600 *R. Rebelde* 0845 Music, no commercials, // 5025; 6 x 600 (14-Feb/Brandi-NJ)

ETHIOPIA *Radio Ethiopia* sked:

External service:

1100-1200	Somali-VOP	11800	9560
1200-1300	Somali	9560	7165 990
1300-1400	Afar	9560	7165 990
1400-1500	Arabic	9560	7165 990
1600-1700	English	9560	7165 990
1700-1800	French	9560	7165 990
1900-2000	Somali-VOP	11800	9560

National Service

0300-1100	Multilingual 9705-v	7110	5990
1100-1400	Multilingual 9705-v	7110	5990 Sa/Su
1500-2000	Multilingual 9705-v	7110	5990

*Includes English from 1030-1100 (BBCM)

Ethiopian Radio announced Feb 9 that it was adding new broadcast hours to keep listeners informed of army movements at war fronts: 0600-0800 in Amharic, English, Arabic, Oromo, Tigrinya, Afar and Somali; and in all the same languages at 1200-1500 on the 31 and 41mbs. Morning 0400-0600 in Amharic and Oromo, 0800-1100 in Amharic and English remain unaffected, as well as evenings after 1500 (BBCM/World of Radio/Hauser) Not clear whether the 0600-0800 are also on the 31m and 41m bands, and whether previously used national frequencies 9705v and 7110 still apply, or external service frequencies 9560, 7165 (Hauser-OK)[And I'm not clear whether this is reflected in the BBCM sked above-AQ]

Radio Fana

0330-0530	Amharic/Oromo	6940	6210
0530-0800	Amharic/Oromo	6940	6210 Sa/Su
0900-1100	Amharic/Oromo	6940	6210
1200-1400	Amharic/Oromo	6940	6210 Sa/Su
1400-1500	Somali	6940	6210
1500-1800	Amharic/Oromo	6940	6210
1800-2000	Amharic/Oromo	6940	6210 Mo-Fr

(BBCM)

Voice of the Tigray Revolution supports the Ethiopian People's Revolutionary Democratic Front (EPDRF, the country's ruling party). It transmits from Mekele, Tigray, in Northern Ethiopia

0400-0500	Tigrigna	6315	5500
0500-0900	Tigrigna	6315	5500 Sa/Su
0930-1030	Tigrigna	6315	5500 Mo-Fr
1130-1630	Tigrigna	6315	5500 Sa/Su
1500-1900	Tigrigna	6315	5500 Mo-Fr

(BBCM)

FINLAND *Radio Finland* A99 [I don't like listing schedules in this format, but it's all I had to work with-AQ]:

6120	0300-2130
6135	1900-2045
6180	0700-0800
6180	1300-1400
9560	0530-0700
9560	0900-0945
9630	1400-1900
9655	0400-0530
9695	1600-1630
9795	1400-1900
9860	0400-0530
9865	2130-2230
11755	0400-2130
11845	2130-2230
13755	1000-1100
15250	0600-0700
15400	1200-1500
15440	0400-0530
17670	1200-1400
17820	0700-0900
21465	1100-1200
21595	1000-1100
21670	0600-0900
21670	1500-1600
21670	0700-0900

(18-Feb/Mujenen/EDXP/Padula-AUS)

GERMANY *Deutsche Welle*, Operational Schedule B-98 (Update Mar 1999)

Change:

Arabic	1300-1600	12015	Krasnodar	(ex-9860)
Chinese	1000-1050	9450	Petropavl.	(ex-5895)
Chinese	1000-1050	15610	Novosibir.	(ex-7390)
Chinese	1330-1355	9450	Petropavl.	(ex-5895)
Chinese	1330-1355	15610	Novosibir.	(ex-7305)
English	0200-0250	12045	Samara	(ex-9815)
English	0900-0950	15470	Irkutsk	(ex-12055)
German	1000-1400	12000	Novosibir.	(ex-7315)
German	1000-1400	13810	Novosibir.	(ex-Petropavl-K.)
German	1000-1400	15490	Novosibir.	(ex-9480)
German	1400-1800	12055	Samara	(ex-7315)
German	1600-2000	9830	Moscow	(ex-7445)
German	2200-0000	7340	Novosibir.	(ex-5925)

Indonesia	1100-1125	11895 Trincomale (ex-11775)
Japanese	1230-1300	12055 Novosibir. (ex-7305)
Persian	1800-1850	7305 Krasnodar (ex-5965)
Romanian	2000-2100	9470 Samara (ex-6000)
Delete:		
German	1000-1400	7340 Petropavl.
Russian	1600-2000	5945 Samara

(DW Plus magazine, March 1999/BC-DX/Bueschel-GER)

Brother Stair in English via Jülich, changes from Feb 4: 1330-1730 6010 to EUR—new time -, (x1500-1700), 1800-2000 deleted 6130 EUR. 1800-2000 add 13810.

Transmissions of **AWR** in Turkish via Jülich not yet begun: 0500-0530 5890 & 2100-2130 9470 via Jülich. 2130-2200 7105 via Forli (Italy). (15-Feb/PanView-BUL/BC-DX/Bueschel-GER)

ICELAND Rikisutvarpid sent a new style QSL along with this sked:

1215-1300	13685 15575
1410-1440	11402 13860
1855-1930	5055 7735 9275.
1935-2010	11402 13860
2300-2335	9275 11402

(1-Feb/Liangas-GRC)

INDONESIA 3224.8 RRI Tanjung Pinang. Reading of Holu Koran at 1121. Instrumental music at 1124. At 1130 time pips and ID by M as "Pukul delapan belas tiga puluh menit Waktu Indonesia Barat. Radio Republik Indonesia Tanjung Pinang dengan Warta Berita Daerah" then local news. No IS before local news and ending music was "Garuda Pancasila." Talk by M at 1140 then local pops. Fair.(20-Feb/Yamada-JPN/Jembatan DX)

3905.0 **RRI Merauke.** Local pops at 1155. SCI at 1158. Jakarta news relay at 1200. ID by M at 1216 then military program as "Angkatan Bersenjata." In the program, march "Mars ABRI" was heard. Fair to poor. (20-Feb/Yamada-JPN/Jembatan DX)

4766.0 **RRI Medan.** Local pops at 1251. Announcement of Programa Satu at 1258. then SCI. Jakarta news relay at 1300. ID by M at 1316 as "Saudara kembali...Radio Republik Indonesia Nusantara Satu Medan, Programa Satu." then local pops. (16-Feb/Yamada-JPN/Jembatan DX)

4777.1 **RRI Jakarta,** Kebayoran. Not heard recently. (12-Feb/Yamada-JPN/Jembatan DX)

4874.5 **RRI Sorong.** Stretching exercise program at 2053 which announcer was shouting numbers as "Satu, Dua, Tiga,...Delapan." Advertisement at 2056 then announcement of connecting Jakarta news and

SCI. Jakarta news relay at 2100. ID by W at 2106 then local pops. Religious talk at 2110. Papua Island style song at 2125. ID at 2128 and IS. Local news entitled "Warta Berita" at 2130. The signal was faded down at 2145. Fair to poor. (20-Feb/Yamada-JPN/Jembatan DX)

5040 **RRI Pekanbaru,** 1155 listed the one here and just above the noise level with music before TOH, talk after—but SCI came through beautifully three times just before 1200. Hoped to hear local ID, but seemed to be silence for at least a minute after SCI. (19-Feb/Novello-NC)

6071.0 **RRI Jayapura.** Jakarta news relay at 2003. ID by M at 2006 then chorus music program. (19-Feb/Yamada-JPN/Jembatan DX)

9565.0 **RRI Jakarta,** Bonto Sunggu. ID by M at 1257 as "Inilah Radio Republik Indonesia Jakarta, Programa Nasional" then SCI. "Warta Berita Ekonomi Keuangan dan Industri" at 1300. ID of Programa Satu, time announcement, and program guidance at 1306 then local pops. ID again at 1329 and followed to wayang kulit. Fair. (13-Feb/Yamada-JPN/Jembatan DX)

9860 **RRI Jakarta.** New frequency with Programa Satu at 1100-1200 causing severe co channel to R. Free Asia Lao program. Maybe ex 9680kHz or an error reversing the 6 & the 8 digits at the transmitter site? (12-Feb/Tyson-AUS/Jembatan DX/Yamada-JPN)

11860.0 **RRI Jakarta,** Cimanggis. "Warta Berita" at 1203 and local pops and W talks at 1209. This was Programa Satu in // with 15125kHz. Chinese station on the same frequency interfered with the signal. Programa Dua frequencies were not heard today. (14-Feb/Yamada-JPN/Jembatan DX)

KAZAKHSTAN Here is a new observed shortwave schedule of *Kazakh Radio* (Feb 10-11):

0000-0300	6230 7240
0300-0400	7240 13830
0400-0600	13830 15250
0600-0900	15250 17825
1200-1400	15250 17825
1400-1500	11570 15250
1500-1800	9505 11570

Programs from Astana studio: 0000-0100 and 0700-0900, other time from Almaty studio.

I can add that these two transmitters are located in the Kazakhstan territory and you could hear their signals on 9505 (2nd program) and 11950 (1st program) in the past. But now there is a single program in Russian and Kazakh on all frequencies and with the interval signals and ID jingle in Kazakh at the beginning of each hour. The signal level on all frequencies is more high than on 9505 and 11950 (I think the new aerials azimuth is also in use)...(Timofeyev-RUS)

6230 *Kazakh Radio*, 2330 presumed the one with nonstop ranting by M in a language I couldn't identify. 2342 switched over to a program of regional pop mx—some with a central Asian or Turkish flair—announced by both M and W, on some occasions in Russian, sometimes in another language. This continued straight through until 0300 carrier drop, with nothing special at the top or bottom of any hour. This station has been heard by Pritam Saini and others in #swl since about Feb 5. (9-Feb/Novello-NC)

KUWAIT Latest schedule of *Radio Kuwait*:

0000-0200	Arabic	11675
0200-0400	Arabic	6055 11675 15495
0400-0445	Arabic	6055 11675 15495 15505
0445-0530	Arabic	6055 11675 15110 15495 15505
0530-0805	Arabic	6055 15110 15495 15505
0805-0815	Arabic	6055 15110 15495
0815-0900	Arabic	6055 15110 15495 15505
0900-0930	Arabic	6055 15110 15495 15505 17885
0930-1305	Arabic	6055 13620 15495 15505 17885
1305-1315	Arabic	13620 15505 17885
1315-1505	Arabic	9880 13620 15110 15505 17885
1505-1605	Arabic	9880 13620 15110 15505
1605-1615	Arabic	9880 15110 15505
1615-1730	Arabic	9880 11990 15110 15505
1730-1740	Arabic	9880 11990 15505
1740-1745	Arabic	9880 11990
1745-1800	Arabic	9880 11990 15505
1800-2100	English	11990
1800-2130	Arabic	9855 9880 15495 15505
2130-2300	Arabic	9855 15495 15505
2300-2400	Arabic	9855 15495

(Website Min of Information/JKB/DXM/WDXC-GER Jan 99/BC-DX/Bueschel-GER)

LIBERIA 3450 *R. Veritas* 2216 highlife vocals constantly interrupted by comments from announcer, including one with mention of Liberia, but so brief that I couldn't tell if they were in English or vernacular. Cut off abruptly at 2224 and hadn't returned by 2230 recheck. Clear and steady, though not particularly strong. (13-Feb/Hill-MA)

LITHUANIA Here's something I read in World Media (BBCM) 6/99[6/99]: Do you get advance copies?—AQ: *Radio Baltic Waves* has received funds and is now able to get things going. Interesting detail: According to Rimantas Pleikys, the target isn't Belarus anymore, but rather the Russian & Belarusian minorities living in Lithuania, thus trying to nip protests from these countries in the bud. But since SW has no frontiers...I'm curious when they will start broadcasting. There were test transmissions in November 1998. (11-Feb/Kuhl/ADXB-OE/DSWCI DX Window/Petersen-DEN)

Following the tests of R.Baltic Waves and the successful funding for this project, the Belarusian telecom authorities have now put the signal of *Belarusian Radio 1* on 6230/6235 which was supposed to be the frequency choice for RBW. The signal is very wide and seems to be in FM mode. Email reception reports are urgently needed to <riplei@lrs.lt>. Rimantas Pleikys (riplei@lrs.lt) (Project Coordinator RBW) (14-Feb/HCDX/DSWCI DX Window/Petersen-DEN)

First heard on Feb 13. The station was on the air throughout Feb 13, and continued the following day, Feb 14, with the same jammer-like distorted (FM?) signal of Belarussian Radio. R. Baltic Waves is a project to broadcast radio programs from Lithuania into Belarus, reflecting views of Belarussian opposition movements, in contrast to Lukashenko's official propaganda. (Zilionis-LIT/NU/DSWCI DX Window/Petersen-DEN)

MADAGASCAR 3287.8 *RTV Malagasy* Antananarivo; Talata-Volondry, 2000-2100 Malagasy, vocals, Afrojazz/Afropop session. One or two lesser known "Western" styled items with French/English but for the most local African music was played. Announcements were few and far between, made by a M announcer. They were almost inaudible due to a strong echo. It was only with 2100* that a clear full ID was given in Malagasy and French. Anthem and IS proceeded transmitter switchoff. Nothing heard on // 5009v (30-Jan/Clemitsen/DSWCI DX Window/van den Boogert-TWN)

Unidentified new station noted on 5590 in Malagasy language; distorted audio and QRN prevented ID. Sudden s/off at 1845*. Wonder if this station is licensed (like RTM and AWR) or not (like RTV Analamanga [5950] and R. Tsioka Vao [6075]). (20-Feb/Vaghjee-MAU/Rev. of Int. B'casting/Hauser-OK)

MALAYSIA SibU 5005 not heard recently, if this disappearance turns out to be permanent that leaves just the following 4 HF freqs active in Sarawak (all exc 7130 noted with NA at s-off 1459, 2 Feb): 4895 Kuching, 6050 SibU, 7130 Kuching (daytime only, noted with IS at 0059 s-on 3 Feb), 7270 Kuching.

Radio Malaysia Ch 4 in English noted 2 Feb *0135-0147 on 11885 with tinny audio//7295, off abruptly, presumably a transmitter test—same freq carried VoM Chinese 1030-1230. (4-Feb/Davies-CBG/BC-DX/Bueschel-GER)

MALI Latest sked for *China Radio International* relays via Bamako:

0100-0157	Spanish	9665
0830-0857	Hausa	7170
1400-1457	English	15125 13685
1500-1557	English	15125 13685
1600-1657	Arabic	15125 13685
1700-1727	Swahili	15125 11970
1730-1757	Hausa	15125 11970

1800-1827 Hausa 15125 11970
 1830-1927 Arabic 15530 13685
 1930-2037 Portug. 15500 11975
 2000-2057 English 15500 11975
 2100-2127 English 15500 11975
 2130-2227 French 15500 11975
 2230-2257 Chinese 15500 11975
 2300-2357 Chinese 11975 7170

(NDXC/EDXP/Padula-AUS)

MARIANA ISLANDS R. Free Asia has adjusted its sked for Chinese programming from the *KHBI* Saipan relay. Now noted on 9455 *2000-2100 (x9355), heavily jammed by CNR Dom service co-channel and "[white?] noise." 9355 is still jammed with CNR Domestic Service programming even though RFA has vacated that channel! (17-Feb/Padula-AUS/EDXP)

MEXICO Reactivated is 9600.15, *R. UNAM [XEYU]*, 0628-0701* Feb 19, tnx Bojorge tip in DX-Window, definitely back on. Tune-in to non-stop classical solo piano concerto till 0645, then M with, "Estamos [sic] sintonia con R. UNAM. en un momento. sistema Mexicana. ." and continued with chatter, referencing local events, upcoming prgmg and the public appearance schedule of "el Presidente de la Republica." Fill mx 0658, then "El fin de transmision. radio ciudad nacional. XEUN-FM, 96.1 estereofonico. buenas noches," followed by orchestral NA from 0659. Clear and very good. (Kreuger-FL/NU/BC-DX/Rev. of Int. B'casting/Hauser-OK)

NEPAL 5005.3 //3229.75, *Radio Nepal*, at 1700 Feb 21. As far as I can remember, Nepal hasn't been off freq on the 5005 transmitter. I am sure some Nuers can correct me on that! I think Roland Schulze-PHL observed that Radio Malaysia in Sibiu on 5005 has been off the air. I confirm that I too observed the stn off from about late Jan. (21-Feb/Goonetilleke-SLK/UADX/BC-DX/Bueschel-GER)

NORWAY R. Norway International will no longer issue QSL cards due to "tight economic budgets and reduction of staff." The Technical Manager, Olav Grimdalen, is interested in reports, even though he cannot send out QSLs, and his addr is: Post-og Teletilsynet, Box 524, Centrum, N-0105 Oslo, Norway. (25-Jan/EDXP/Padula-AUS)

Radio Denmark (via Norway) from 1930-2030 now using 15705 (ex-11635) and 13650 (ex-9810). (Koie/R. Denmark/Costello-NJ)

PAKISTAN R. Pakistan Urdu WS 0800-1120 on v15527.71 and 17835.21. (31-Jan/Bueschel/BC-DX/Bueschel-GER)

R. Pakistan noted 19 and 20 Jan. on approx 15483 with Urdu 0100-0230 and English dictation news 0230-0245. English 0230-0245 also heard with very poor modulation on 15240v. (actually around 15238 on the 19th, 15239.5 on 20th). (20-Jan/Davies-CBG/BC-DX/Bueschel-GER)

Some freq changes of *R. Pakistan*:

0500-0700	Urdu	NF 11750.0 (x11725), NF 15172.7 (x15175.2), // 17555.2
0800-1120	Urdu/ English	NF 15527.7 (x15530.2), // 17835.2 + spurs 17758v/17912v
1000-1030	Thai	NF 15325 (x15320), re-ex 15340
1200-1230	Chinese	NF 15427.7 (x15430.2), // 11895
1330-1530	Urdu	NF 15462.7 (x15465)
1600-1630	English	NF 15462.7 (x15465)
1700-1730	Turkish	NF 9770.0 (55544) (x13580), //12016

(1-Feb/PanIview-BUL/BC-DX/Bueschel-GER)

PERU 4039.2 *Radio Marginal*, Tocache, 0059-0105, Spanish, ads, folklore music, several ID's "Esta es su Radio Marginal," "la radio que piensa en ti, la radio de todo el Peru," "Radio Marginal la radio total" (29-Jan/Eramo/DSWCI DX Window/van den Boogert-TWN)

4534.14 *Radio Horizonte*, Chiclayo, Lambayeque, 0110 beautiful, extreme high Andes guitar and harp vocals, ID 0120 "Esta es Horizonte, transmite desde Chiclayo." Nearly as loud as Ecos del Torbes tonight. (1-Feb/Novello-NC)

5470.78 *Radio San Nicolas*, Rodriguez de Mendoza, 1140-1155, poor signal, Rustic Peruvian folklore program. At 1153 ID was given as "Uds esta en la sintonia de Radio San Nicolas, La Voz del Oriente Peruano, transmitiendo desde el majetoso valle de Huayabamba, Provincia de Rodriguez de Mendoza, Departamento de Amazonas, Republica del Peru." (30-Jan/TIN/DSWCI DX Window/van den Boogert-TWN)

5700 *R. Frecuencia San Ignacio*, San Ignacio, 0106-0112, Sp relig prog and mx, ID "R Frecuencia San Ignacio presente." (12-Feb/Eramo-ARG/BC-DX/Bueschel-GER)

5773.72 *Radio Manantial*, Jaen, Cajamarca (tentative location), 1035 new station with Christian religious format. Local songs with "Jesucristo" and "Aleluya" lyrics, long religious discussion between M and W, occasional echo-ey M DJ. ID 1116: "Desde la villa acogedora de la...de Jaen, tierra de los bravos pachamuros, region nororiental del Maranon, surge una voz valiente y detenida al servicio del ministerio evangelistico, la patria y la cultura. Es Radio Manantial, la Voz del Nororiente Peruano, en su frecuencia de los cinco mil setecientos punto 7 MHz, en onda corta, en la banda internacional de los 49 metros. Transmite R Manantial, llegando a todos los pueblos mas lejanos de nuestro territorio patrio...interdenominacionales, musica cristiana, reportajes, mensajes musicales, Radio Manantial, la Voz del Nororiente Peruano." I managed to get about 2/3 of that, and many thanks to Henrik Klemetz for repairing my phonetic transcription and

filling in the gaps (including the station name itself). Very strong signal this morning. (4-Feb/Novello-NC)

5906.84 **Radio Panorama**, Lucmapampa, 1105-1134, thanks to a tip of Rafael Rodriguez, Review of International Broadcasting Jan 25 via Glenn Hauser, signal was poor. Playing nice carnavalitos cajamarquinos and mentioned several IDs including as "Desde Lucmapampa, Provincia de Celendin, esta es la nueva senal de Radio Panorama...en la banda internacional de 49 metros onda corta." No nominal frequency was given. Radio Panorama is broadcasting from Lucmapampa, capital of the District of Jorge Chavez in the Province of Celendin, Department of Cajamarca, Peru. Lucmapampa was officially founded on September 30, 1862. It is a sleepy village which lies at an altitude of 2,624 meters. (30-Jan/TIN/DSWCI DX Window/van den Boogert-TWN)

6895.27 **Radio San Miguel de El Faique**, San Miguel, Piura, 1208 rhythmic Andean popular music, M announcer with echo effect, program seemed to be called "Aquarela Tropical Andina." ID 1211 "R San Miguel, el totalmente musica!" (7-Feb/Novello-NC)

Regarding **Radio Panorama** on 5906.8, the location is definitely Recopampa, as I originally reported. It is not a district but one of 24 "caserios" in the District of Sorochuco. I have heard it again one morning relaying R. La Voz de los Andes, 1400 which definitely transmits from Sorochuco. I doubt that Inoue, who claims it is in Lucmapampa, has actually heard it, and Moore's agreement about this is a case of the blind leading the blind. I hate to be argumentative about this, but the record must be set straight (24-Feb/Rodriguez-COL/Rev. of International Broadcasting/Hauser-OK)

PHILIPPINES Radio Veritas Asia Manila broadcasts in Filipino (Tagalog) are now:

1500-1525	9670
1525-1555	9670 We/Fr/Su
2230-2255	6075

Russian services are:

0230-0255	11805
0300-0325	11805
1430-1455	9660
1500-1555	9660

(11-Feb/Padula-AUS/EDXP)

ROMANIA v9616.38 **RRI** Bucharest's multilingual morning service using unstable transmitter at 0600-0656, which is registered on 9625. //7105, 9510, and 11775. (13-Feb/Bueschel-GER/BC-DX)

RUSSIA One of those **Mayak**-DSB-outlets was audible here today on 5264 with "Podmoskovnyie Vechera" IS at 0700. (14-Feb/Erbe-GER/BC-DX/Bueschel-GER)

Radiostn. Tikhly Okean now found on new 17675 at 0815-0900 which presumably replaces 17570. (17- Feb/Green-UK/BC-DX/Bueschel-GER)

A nice listing on the status of some longtime Russian shortwave transmitters, carrying both **Radio Rossi** relays and local programs. Callsigns (!) are included [first time in my 37 years of DXing I've ever seen callsigns for Russian broadcast xmters-AQ]:

4030	15 kW	RV-215	switched off	Anadyr
4040	5 kW	RV-865	2200-1800	Tura
4050	15 kW	RV-676	switched off	Yuzhno-Sakhalinsk
4485	15 kW	RV-147	0000-2000	Zyzykovo
4485	100 kW	RV-656	switched off	Petropavlovsk-Kamchatskiy
4520	2 kW	RV-667	1800-1400	Palana
4610	15 kW	RV-737	switched off	Komsomolsk-na-Amure
4795	50 kW	RV-44	2200-1800	Ulan-Ude
4820	50 kW	RV-703	0000-2000	Khanty-Mansiysk
4825	50 kW	RV-725	2000-1600	Yakutsk
4860	80 kW	RV-438	2000-1600	Chita
4895	50 kW	RV-700	0000-2000	Tumen
5015	100 kW	RV-441	switched off	Tavrichanka
5290	5 kW	RV-1095	0000-1600	Perm
5290	50 kW	RV-98	2200-1800	Krasnoyarsk
5930	50 kW	RV-790	0200-2200	Monchegorsk
5940	100 kW	RV-1001	1800-1400	Arman
6060	5 kW	-	2000-1600	Blagoveschensk
6095	3 kW	RV-1472	0000-1600	Khanty-Mansiysk
6125	5 kW	RV-1327	0200-1600	Yoshkar-Ola
6160	40 kW	RV-297	0200-2200	Arkhangelsk
7140	50 kW	RV-726	2000-1600	Yakutsk
7185	3 kW	RV-1094	switched off	Perm
7200	5 kW	RV-1326	0200-1600	Yoshkar-Ola
7200	100 kW	RV-729	2000-1600	Yakutsk
7210	100 kW	RV-914	2000-1600	Khabarovsk
7320	100 kW	RV-647	1800-1400	Arman
7345	50 kW	RV-727	2000-1600	Yakutsk
9530	100 kW	RV-646	1800-1400	Arman
9600	100 kW	RV-645	1800-1400	Arman
11650	5 kW	RV-1095	1605-2000	Perm
11840	15 kW	RV-677	1800-1400	Yuzhno-Sakhalinsk
15165	5 kW	RV-1326	1605-2200	Yoshkar-Ola
15200	3 kW	RV-1094	switched off	Perm
15235	3 kW	RV-1472	1605-2000	Khanty-Mansiysk
15315	5 kW	RV-1327	1605-2200	Yoshkar-Ola

(Rudnev-RUS)

SAUDI ARABIA BSKSA Holy Quran program in Arabic: 0300-0600 on NF 9739.9 (44554) (x9618.3), / /9553.5, 9718.3 and nominal 11935, 17720. (1-Feb/PanIvew-BUL/BC-DX/Bueschel-GER) BSKSA Riyadh at 0650 and 0745 11818.51 and 11868.41. (14-Feb/Bueschel-GER/BC-DX)

SEYCHELLES FEBA changes: 1515-1530 in Azeri (Fri Sat Sun), 1530-1600 in Persian daily, 1600-1630 in Hazaradi, Dari daily all on NF 11695 (x11665). (1-Feb/PanView-BUL/BC-DX/Bueschel-GER)

1000-1058 Tagalog 15460 (ex-15540) Fri
 1100-1130 Arabic 15460 (ex-15540)
 1145-1200 Tsanga 15460 (ex-15540) Sa/Su
 1145-1200 Nepali 15460 (ex-15540) Mo/Tu
 1200-1230 Tibetan 15460 (ex-15540)
 1300-1330 Malayalam 11665 (ex-11600)
 1300-1330 Malayalam 11665 (ex-11600)

(15-Feb/PanView-BUL/BC-DX/Bueschel-GER)

SIERRA LEONE Sierra Leone Broadcasting System back on air. SLBS, following damage to its offices and library of recordings, is now back on air, being local nx once again. During the rebel occupation of Freetown, two staff members of SLBS—a M and a W—were killed. Some staff are still missing. Cyril Juxon-Smith, the Officer in Charge of SLBS, reports that SLBS is appealing for tapes and discs to replace something of what has been lost. (16-Feb/Commonwealth Broadcasting Association/BC-DX/Bueschel-GER) [no clue as to the status of the short-wave operation-AQ]

SLOVAKIA AWR via Rimavska Sobota. Seemingly AWR will use the Rimavska Sobota facilities in Slovakia again more extensive in the upcoming A99 season, especially also to cover EUR. Lothar Klepp of AWR's German section ("Stimme der Hoffnung") announced today, that their programming, which uses on SW currently just the tiny Forli/Italia 2500 watts outlet, is to be carried via Rimavska Sobota again, namely 1300-1330 on 7230 and 1700-1730 on 7240. They are interested in reception reports, especially about 7240. Note: 7230 will also be on air from Forli for other slots, incl German 0900-0930 and 1200-1230. (19-Feb/Ludwig-GER/BC-DX/Bueschel-GER)

SOMALIA 11204.117, Radio Mogadishu, anthem at 1958:30 Feb 3, then English ID by M, "This is R. Mogadishu. The headlines!" Into nx progr by YL. (7-Feb/Rippel-VA/NU/BC-DX/Bueschel-GER) 11204—Radio Mogadishu—Voice of the People has changed freq on 17 Feb to 6754U and went off as usual after Qur'an recital and NA. Next day it moved to 6540U where it remains as of this writing. (18-Feb/Vaghjee-MAU/Rev. of Int. B'casting/Hauser-OK)

11204 has been heard around 0400 and again at 1130 to 2100 but after having changed freq (6540) it is being heard around 1500-2100 (21-Feb/Vaghjee-MAU/Rev. of Int. B'casting/Hauser-OK) [Now I am confused...is this on 11204 or 6540 now?-AQ]

SOUTH AFRICA New A99 schedule for TWR via Meyerton:

0330-0400	Amharic	7215 Sa/Su
0330-0400	Oromo	7215 We-Fr
0330-0400	Tigrinya	7215 Mo/Tu
1527-1542	Yao(FEBA)	7265
1542-1557	Sena(FEBA)	7265
1600-1630	KiRundi	9530
1630-1700	Borana	9530 Mo
1630-1700	Oromo	9530 Tu-Su
1630-1700	Tigrinya	11705
1640-1655	Somali	9650
1657-1712	Juba	9650 Th-Sa
1657-1712	Shuwa	9650 Mo-We
1657-1727	Arabic	9650 Su
1725-1830	Amharic	9530
1830-1900	Bambara	9685
1830-1900	Fulfulde	9510
1830-1900	Hausa	9800
1900-1930	Baoule	9685
1900-1930	Kanuri	9800
1900-1930	Yoruba	9510
1930-2000	French	9685
1930-2000	Nupe	9510
2000-2015	French	9685 Sa/Su
2000-2030	Twi	9510
2030-2045	Ewe	9510 Sa

(10-Feb/Schaay-HOL/BC-DX/Bueschel-GER)

SWAZILAND New A99 schedule for TWR via Manzini:

0300-0330	Ndebele	3200
0300-0330	Swahili	5965
0300-0345	Shona	3240
0345-0400	Lomwe	4775
0400-0430	Chewa	6040 Mo/We/Th/Sa/Su
0400-0430	German	3200
0400-0430	German	4775
0400-0430	Tumbuka	6040 Tu/Fr
0430-0500	Chewa	6040
0430-0500	English	3200
0430-0705	English	4775 Su
0430-0720	English	4775 Sa
0430-0735	English	4775 Mo-Fr
0500-0705	English	6100 Su
0500-0720	English	6100 Sa
0500-0730	English	6100 Mo-Fr
0505-0705	English	9500 Su
0505-0720	English	9500 Sa
0505-0730	English	9500 Mo-Fr
1400-1415	Urdu	15330
1435-1440	Portug	7315 Mo-Fr
1440-1510	Portug	7315
1510-1525	Makua	7315
1510-1555	Malagache	7175
1525-1555	Lomwe	7315
1600-1630	Chewa	6135 We-Mo
1600-1630	Shangaan	4760 Su
1600-1630	SiSwati	1170
1600-1630	Tshwa	4760 Mo-Fr
1600-1630	Tumbuka	6135 Tu

1600-1700	Portug	4760 Sa
1600-1830	English	9500
1630-1645	Portug	4760 Mo-Th
1630-1645	Shangaan	4760 Fr/Su
1630-1658	Chewa	6135
1630-1700	Zulu	1170
1700-1715	Pedi	3200 Su
1700-1715	Sotho	3200 Mo-Sa
1700-1715	Tswana	3200 Mo-Sa
1700-1800	Swahili	9585 Sa/Su
1700-1815	Swahili	9585 Mo-Fr
1715-2215	English	3200
1800-1815	Kimwani	9585 Sa/Su
1800-1830	Ndebele	3240
1800-2045	English	1170
1830-1845	Umbundu	6130
1830-1900	Shona	3240
1845-1900	Chokwe	6130 Mo-We
1845-1900	Luchazi	6130 Th/Sa
1845-1900	Portug	6130 Fr
1845-1915	Portug	6130 Su
1900-1915	KiKongo	6130 We-Fr
1900-1915	Lunyaneka	6130 Sa
1900-1915	Ndau	3240
1900-1915	Portug	6130 Su-Tu
1900-1930	Lingala	9525
1915-1945	Portug	6130
1930-1945	French	9525
1945-2000	French	9525 Sa/Su
1945-2000	Kimbundu	6130
2000-2005	Portug	6130 Mo-Fr

(10-Feb/Schaay-HOL/BC-DX/Bueschel-GER)

TAJIKISTAN 4635.3 *Tajik Radio*, 0020, pretty flute mx with central Asian flavor, bouncing back and forth between here and 4635.30, IS and "Inja Dushanbe" twice at 0100. (7-Feb/Novello-NC)

THAILAND *Dusit Palace Station*, Bangkok noted tentatively at *0440-0500 on 6149.5 4 Feb, but evening transmission 0900-1200 not heard since 26 Jan (4 Feb not checked). Back on 6149.5, 0900-1200 Fri 5 Feb, swamped as usual by Singapore 6150. (4-6-Feb/Davies-CBG/BC-DX/Bueschel-GER)

TURKEY 5562 *Radio Tibe* /Nusandor / Fresi Turk Radio 1625 with Turkish songs and brief comments by M. 1700 clock [TPs?-AQ] then news in Turkish. Next day on *1500 with western songs, retune 1758 Mw/comments, short promo for "Radio Tibe," clock and news. Off at 1930 recheck. (24-Jan/Liangas-GRC)

Last night Jan 27 I heard a Turkish stn on 5562—weak but clear at 1830. Jari Savolainen in FIN reported hearing the TRT dom service Radio 1, which IDs as "*Radio Bir*" on 5562 a couple of weeks ago. He suspects this is the 6th hx of the Izmir MW transmitter on 927 (6 x 927 = 5562). Quite an interesting one to catch while it lasts! (28-Jan/Kenny-UK/EDXP/Padula-AUS)[So which is it, DX'ers?-AQ]

UKRAINE Since Jan 10th there is no more relay of Radio Ukraine WS on MW and FM in Kazakhstan. At

the same time SW transmitters, relaying progrs of *Radio Kazakhstan* on EUR on the freqs 5905 0200-0400, 9600 0200-0600, 9620 0700-1600, 11840 0500-1600, were switched off in Kiev. (4-Feb/Egorov/Mikhaylou/RUS-DX/Klepov-RUS/BC-DX/Bueschel-GER)

URUGUAY 9650 *Emisora Ciudad de Montevideo* is again on air. Feb 4, 2205-2305, Spanish, lottery and numbers of tombola prizes, advert "Banca Credito," report about carnival "Radio en Carnaval." (8-Feb/Schnitzer-GER/BC-DX/Bueschel-GER)

R. Oriental, Montevideo 11735 2143 on Feb 4. (call-in program) 2204 program in Italian "Aqui Roma" (!) 2204- 2220. It program also heard on Feb 5. R Monte Carlo, Montevideo on 9595 2243 max. SIO 232 on Feb 4. Signal varied between 1-2. Sport program. *Emisora Ciudad*, Montevideo on 9650 2305 SIO 333 (football from Buenos Aires). (11-Feb/Volk-GER/BC-DX/Bueschel-GER)

USA Frequency changes of various *Voice of America* services:

1800-1830	Amharic	new 13675 co-ch Dubai (x7150).
1830-1900	Tigrina/Oromo & Sat/Sun EE	new 13675
2200-2230	Creole	new 21485 (x15120).
0100-0230	Urdu/Fashto/Dari	new 9705 (x9505).
1700-1830	Portuguese	new 15545 (x15505).
0430-0500	Serbian	new 7125 over VoR En (x7130).
1200-1300	Spanish	deleted 12025
2300-2400	Spanish	deleted 12025
2300-2400	Spanish	new 17875 (x15350).
2100-2200	Ukrainian	new 7190 (x7180).

(15-Feb/PanView-BUL/BC-DX/Bueschel-GER)

Some interesting *VOA* relays, from the IBB website:

0800-1000	English	11995 Tinian, Marianas
0800-1000	English	13650 Tinian, Marianas
0930-1000	English	15605 Dushanbe, Tajikistan
1000-1100	Chinese	13650 Tinian, Marianas
1000-1200	Chinese	11995 Tinian, Marianas
1200-1400	Chinese	11825 Tinian, Marianas
1300-1400	Chinese	15250 Tinian, Marianas
1300-1500	Chinese	7390 Novosibirsk, Russia
1600-2220	English	15240 Morocco
1800-1830	English	12025 Tinang, Philippines
1800-1830	English	6140 Udorn, Thailand
1800-1830	English	9615 Biblis, Germany

KNLS Anchor Point, Alaska, eff. 28 March:

0800-0900	English	9615
0900-1000	Russian	9615
1000-1100	Mandarin	9615
1100-1200	Russian	9615
1200-1300	Mandarin	9615
1300-1400	English	9615
1400-1500	Mandarin	9615
1500-1600	Mandarin	9615

1600-1700 Mandarin 9615
1700-1800 Russian 11780

(Bruce Barker)

WGTC McCaysville, Georgia

0000-0300 English 6890U 5085U
0300-0700 English 5085U 3270U
1400-2100 English 9400U
2100-2300 English 9400U 6890U
2300-0000 English 6890U 5085U

(BBCM)

UZBEKISTAN/KAZAKHSTAN BBC is now using 17685 (x17675) at 0800-0810 Be from Tashkent-UZB and 0810-0820 Hindi, 0820-0830 Urdu from Almaty-KAZ. (5-Feb/Dasgupta-IND/BC-DX/Bueschel-GER)

VIETNAM 5034.73v Radio Dai Teng Noi listed here. Hrd 1310-1330 Feb 20 with what sounded to me to be the scheduled Hmong progr, but it HAS been 29 years(!). Hosted by M, fair-poor level. Very brief announcement at 1330, and plug pulled abruptly as per sked. Very tentative. (21-Feb/Bryant-OK/NU/BC-DX/Bueschel-GER)

Here is an observed schedule of two main 100 kW **Voice of Vietnam** transmitters (Feb 10-11):

0000-0100	12020 15110
0830-0930	9840 12020
0930-1030	12020 15110
1130-1230	9840 12020
1230-1300	12020 15110
1300-1400	7145 9840
1400-1430	9840 12020
1430-1600	12020 15110
1600-2000	7145 9840
2030-2130	7145 9840
2130-2230	9840 12020

All languages as in WRTH (for 9840, 12020 or 15010). I also noted an unusual strong Hanoi HS1 signal on 15471 //5925 and 9875 as a jammer for RFA in Vietnamese at 1400-1500 (10-Feb/Timofeyev-RUS)

WESTERN SAHARA According to the web site of the Polisario Front radio station, **National Radio of the Saharan Arab Democratic Republic** (<http://www.jet.es/rasd/amateur.htm>) the radio currently broadcasts on the 31 meter band shortwave frequency of 9902 kHz from 1800-2200, as well as on mediumwave 1550 kHz. (The radio, which began

broadcasting in 1979, is believed to be based in the Western Saharan refugee camps near Tindouf, Algeria. It broadcasts in Arabic and Spanish and is observed on 1550 kHz from 1800-0000 daily. The shortwave outlet has not been confirmed.) (BBCM/Rev. of International Broadcasting/Hauser-OK)

ZIMBABWE 5012 ZBC Gweru, 1745-1801, Vernacular talk in what sounded like a radioplay. At 1755 instrumental tune and announcement by M, mention of Harare. At 1757 popmusic by the Fugees ("Killing me softly..."), with needle skipping over the record. Timecheck, Radio 4 ID, short piece of other popsong. At 1800 ID in English: "This is the Zimbabwe Broadcasting Corporation, Radio 4," followed by news in English. At 1805 ID: "This news broadcast comes to you from the Voice of Zimbabwe." Probably replacing 4828 kHz., where nothing was heard. (25-Jan/Veldhuis/DSWCI DX Window/van den Boogert-TWN)

UNIDENTIFIED 4733 UNID 2245, French-speaking and probably African station with radio play type thing to 2300, then a mix of music to 0000* after anthem. Suppose one of the west Africans with a punchup error. Thanks to Mark Veldhuis tip in #swl. (25-Jan/Novello-NC/DSWCI DX Window/van den Boogert-TWN)

7100.1 UNID 2149 Middle Eastern vocal at tune-in, then instrumentals thereafter, with brief announcements between selections. Intermittent ham slow-scan TV QRM became steady from 2159. At least four pips and 2200 and into talk. Strong carrier but extremely low audio, especially for speech. Sounded a lot like the Baghdad signal that was on 3900v a few weeks ago, but I couldn't tell whether the language was Arabic. (29-Jan/Hill-MA)

YOUR TAX DOLLARS AT WORK BARBECUING

BIRDS FROM LONG DISTANCES The High Frequency Active Auroral Research Program (HAARP) site in Gakona, Alaska will be conducting a "Listening Test" in March, 1999. No exact times or frequencies are set as of yet, but more details will be provided as they become available. Their web page about this test is: <http://www.haarp.alaska.edu/haarp/hh2.html> (Lucien in The Worldwide UTE News (WUN) mailing list. For more information: <http://www.gem.net/~berri/wun/> (27-Jan/van den Boogert-TWN/DSWCI DX Window/Rev. of Int. B'casting/Hauser-OK)

Pirate Radio Report

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

Hello and welcome to the March 1999 edition of the **PIRATE RADIO REPORT**. Activity remains on the low side but there are some items to report.

Another FCC Pirate Bust?

The pirate rumor mill has circulated reports that *Jimmy The Weasel's* pirate operation may have been paid a visit by the FCC in mid-February.

Jimmy's station **WRX** had been very active as of late on 6955 kHz.

Programming left a lot to be desired. Most of it featured Jimmy singing a capella about "your mama" and using profanity and the like. He also loved to yell out the phrase "Y2K" every now and then.

He used two maildrops. The first one was Lula, GA operated by Radio Bob of RBCN. Shortly thereafter Jimmy had a falling out with Bob and established a drop in Plymouth, MA, which is Box 1464, Manomet, MA 02345. If we hear anything definite about Jimmy's status, we'll let you know in the April edition.

The Free Radio Weekly Changes Hands

The Free Radio Weekly is an email based shortwave pirate newsletter that your editor started in October of 1995 when Cumbre DX stated that they no longer had room to carry North American pirate logs. Since the middle of 1998 it has been North America's only email pirate newsletter when Andy Yoder's Pirate Pages called it quits.

For the past year, veteran Canadian Dxr Niel Wolfish has co-edited the FRW. Last month I officially turned over the reigns to Niel who has recruited Harold Frodge and Greg Majewski as assistant editors.

If you are interested in getting a sample issue of the FRW in your mailbox, send a request to niel@ican.net.

Loggings...

Although not too plentiful, I want to thank Ross Comeau, Lee Silvi and Bill Wilkins. Please keep 'em coming! We need them!

THE FREAK SHOW, another new one was heard on February 24th at 2315 UTC. They played numerous songs such as "The Day The World Turned Dayglo" and "God" by Germs. [Silvi-OH]

LASER HOT HITS, A Europirate was heard in Massachusetts on 6220 kHz at 0322 UTC on February 22nd. Oldies were heard along with an email address. [Ross Comeau-MA]

RADIO ONE, a pirate that still uses good ole AM modulation was heard by Bill Wilkins on 6955 kHz at 0015 on January 31st with their usual oldies format. Reception was very good. [Wilkins-MO]

THE RADIO, a new pirate was heard on February 24th at 2223 UTC. Several songs were played along with a station ID. No address was given. [Lee Silvi-OH]

Pirate Popularity Poll

Now's the time to get your votes in for our annual pirate popularity poll. We need your three favorite shortwave pirate stations that have been active during the past year. Also tell us what you liked about them that you made you vote for them. The deadline for entries is June 1st.

See you at the Winterfest!

Happy Pirate DX!



QSL Report

Sam Barlo
47 Prospect Place
Bristol, CT 06010

1952 ★ **RADIODIFUSORA** ★

La VOZ de la PENINSULA
 EN SUS BODAS DE PLATA
 17 DE DICIEMBRE
 LA LIBERTAD-ECUADOR
 1977

ALBANIA: TWR Trans World Radio 11635 via Cerrick f/d cd. w/ site and power in 40 ds. (Rigas-IL). 7385 via Shiak f/d cd. w/ site and power in 40 ds. (Rigas-IL)

ALGERIA: Radio Algiers International 15160 f/d "Camel" cd. w/ schedule and a report form in 6 wks for \$1.00. (Myers-VA).

ANTIGUA: BBC Caribbean Relay Company 5975 p/d ltr. in 61 ds. (Borokowski-NY).

AUSTRALIA: Radio Australia 9660, 17795 and 21740 via Shepparton f/d "Sunrise behind the new Pacific Aerial Group" cd. in 59 ds. w/ sticker and schedule. v/s John

Wright. (Humenyk-ONT).
AUSTRIA: Radio Austria International 7325 f/d "Imperial Family in Godollo, Hungary" cd. in 16 ds. (Humenyk-ONT).
BELGIUM: Radio Vlaanderen International 21510 f/d "Water Colour Painting" cd. in 26 ds. w/ schedule. (Humenyk).
BONAIRE: Radio Vlaanderen International 17680 f/d cd. w/ site in 16 ds. (Rigas-IL).
CENTRAL AFRICAN REPUBLIC: Radio MURCA 9900 * f/d "Africa Map" cd. in 11 wks. for an E-mail rpt. (Maroti-NY). same in 4 mo. w/ schedule. 9myers-VA). f/d cd. in 2½ mo. for E-mail rpt. (Kohlbrener-PA).

F.M. STEREO 91

El punto rojo, que marca nuestra estereofonia



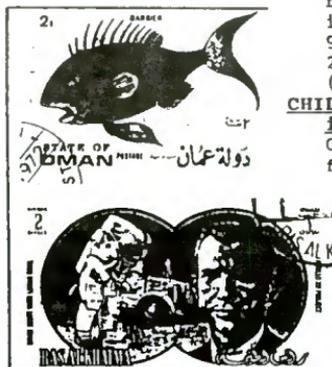
LA MAXIMA DIMENSION EN RADIO

VI Aniversario

COCHABAMBA - BOLIVIA
1986

CHILE: Radio Voz Cristiana 21550 f/d "Tree/Cross" cd. in 2 wks. for 2 ms. (Wilkins-MO). 11690 f/d cd. in 2 wks. (Stewart-MO). f/d cd. in 19 ds. for a SP rpt. to the FL addr. w/ \$1.00. (Klinck).

COLOMBIA: Caracol Colombia 5076.8 f/d cd. w/ a nice lapel pin in 58 ds. via registered mail for a SP rpt., tape and \$1.00. (Klinck). Radiodifusora Nacional de Colombia 4955 p/d cd. w/ program bulletin in 99 ds. for 1 IRC. (Neal-TX).



SPECIAL OFFER: Your editor has just located 3 more large boxes filled with more than 200,000 stamps. Approximately 60% are large US commemoratives. Our offer still stands: \$10.00 for 1300 foreign stamps and 600 US or \$15.00 for 2300 foreign stamps and 600 US. They make great gifts to enclose with your reception reports. I've received many complementary letters from our members on this offer. Please enclose an extra \$3.00 for priority mail delivery. Overseas orders and those from Canada, please enclose an extra \$5.00 for postage.....Sam.

CZECH REP: Radio Prague 5930 and 7345 via Litomysl f/d "Tatra 12" cd. w/ sticker in 15 ds. (Humenyk).

CENTRAL AFRICAN REP: Radio MINURCA 9900 f/d blue "Map" cd. w/ schedule in 2½ mo. for 2 IRCs. Schedule was also rcvd. Addr: P. O. Box 2732, Bangui. (Lobdell-MA). same in 84 ds. for an E-mail rpt. (Sgrulletta-NY). f/d cd. in 64 ds. w/ schedule. (Leite-MA)... Hi Steve! Haven't heard from you in a while. Sam... Sorry, I should of listed these with the previous QSLs from CAR... Sam.

ECUADOR: HCJB 21455 via Pifo f/d cd. w/ site in 25 ds. (Rigas-IL).

ERITREA: Voice of Sudan 8000 f/d "Certificate" in 18 ds. for an E-mail rpt. (Neal-TX).

EURO PIRATE: Short Wave Relay Service 11470 f/d cd * in 4 mo. for \$1.00. Station info. sheet was rcvd. (Kohlbrener-PA). 21450 f/d cd. in 13 wks. (Maroti)

NOTES: Al Loudell is requesting the QSL info. from Radio Maryja in Poland. There have been several QSLs reported. I'll see if I can get you the address... Sam. Rich Lawrenson says he has been Dxing since 1958. He was an active member in ADXR and the NNRC. He spent the 60s and 70s SWling and the 80s and 90s chasing "ham" DX. He uses an IC ICOM R-71A w/ filter modifications. He is 54 and works at the Polaroids Instant Negative Plant in New Bedford, MA. Glad to hear from you.... Sam.



EUROPEAN RUSSIA: Voice of Russia 5995 via Samara f/d "Arabat Square" cd. in 69 ds. Schedule was rcvd. (Borokowski-NY).

GERMANY: RTBF 15715 via Julich f/d blue "Antenna * Dish" cd. w/ sticker in 22 ds. for 2 IRCs. (returned). Addr: Director of International Relations, RTBF, 1044 Brussels. (Wilkins-MO). f/d cd. in 7 ds. for an E-mail rpt. (Rigas-IL). f/d cd. w/ stickers in 2 wks. for a FR rpt. and \$2.00. (returned). (Myers-VA).

GREECE: Radio Free Iraq 7110 via Kavala f/d ltr. in 52 ds. for 2 ms. * v/s David Walcutt, Broadcast Operations Liaison. (Wilkins-MO). Voice of Greece 7450 cd. w/ stamps in 45

HELP PLEASE: Your editor is looking for a good source for FM station addresses. I am especially interested in WHTR, WKBE, WNYV, WEQX and WJAN. Any help?... Sam.

ds. for 1 IRC. (Griffin).

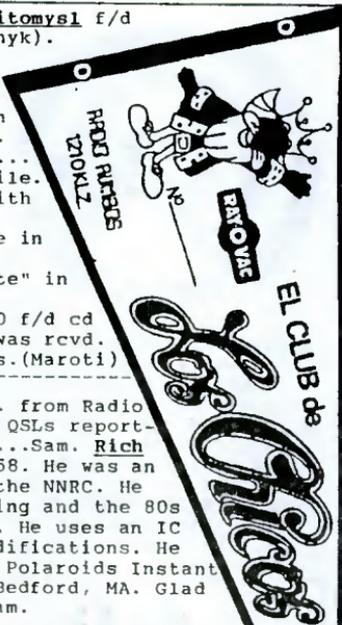
ISRAEL: Kol Israel 11585 and 17535 f/d blue "Logo" cd. in 54 ds. w/ sked. (Humenyk-ONT).

ITALY: RAI 11800 p/d "Progetto Cinema" cd. in 107 ds. (Borokowski-NY).

MALAGASY REPUBLIC: Radio Netherlands 12090 via Antananarivo f/d "TV and FM Mast" cd. in 26 ds. w/ stickers. (Humenyk-ONT).

NEW ZEALAND: Radio New Zealand International 17675 via Rangitalki f/d "Sport in New Zealand" cd. in 29 ds. w/ schedule. (Humenyk).

NORWAY: Radio Denmark 7580 via Sveio f/d "Lovely Land" cd. in 12 ds. w/ sticker. (Humenyk-ONT).





PERU: Radio Tropical 4935 f/d cd. w/ ltr. and stickers in 3 wks. for a SP rpt. and \$2.00 (Myers-VA).

PUERTO RICO: AFRTS

* 6458.5 p/d ltr. w/ site in 65 ds. v/s Wayne E. Eternicka, Broadcast Operations Specialist. Addr: Naval Media Center, 2701 S. Capitot St., SW, Washington DC 20373-5819. (Rigas-IL). p/d form ltr. in 10 hours after my E-mail rpt.(Maroti-NY).

SARAWAK: Radio Television Malaysia 5005 via **Sibu** f/d "Broadcasting House" cd. in 5 wks. for a taped rpt. sent via registered mail. \$1.00 was enclosed w/ rpt. v/s Clement Stia.(Maroti-NY).

SEYCHELLES: FEBA 11600 f/d cd. w/ sticker in 6 wks. for \$1.00.(Myers-VA).

SINGAPORE: Swiss Radio International 12010 via **Kranji** f/d cd. w/ site in 8 ds. for an E-mail rpt.(Rigas-IL).

SOUTH AFRICA: Trans World Radio 7215 via **Meyerton** f/d "SEN-TECH Dish Antenna" cd. w/ schedule in 40 ds. for 2 IRCs. v/s Kathy Otto.(Wilkins-MO). 9510 f/d "Cape Town" cd. in 24 ds. w/ schedule.(Humenyk).

TURKEY: Voice of Turkey 9655 f/d "60th Year Anniversary" cd. in 78

NOTES: Jeff Molander says that he now has QSLed 88 countries since he took up the hobby in March of 98. Jeff was a DXer prior to 98 but the bug bit him again. Last month's highlight was receiving QSLs from Pakistan and Bangladesh within a few days of each other. He uses a Grundig Yacht Boy 400 Portable and a 45 foot long wire. **Greg Myers** hopes everyone has a fine 99 for QSLing.

ds. w/ schedule and listeners club info. (Borokowski-NY). 9590 same cd. in 75 ds w/ schedule and a map of Istanbul. (Humenyk-ONT). I've seen the new QSL card and the photo of the individual on the front reminds me of Bela Lugosi...Sam.

UKRAINE: Voice of the Oromo Liberation

* 11605 personal ltr. in 5 mo. v/s Alemu Bedassa, Second Secretary, SBO Committee Europe, P.O. Box 510610, 13366 Berlin, Germany. I also received a brochure that requests donations be sent to: SBO, Verelnsand West Banic AG (sp?), KONTO 3207 669 BLZ 20030000 (what ever that is?) (Field-MI).

USA: AFRTS 12689.5 via **Key West** p/d ltr. w/ site in 65 ds. v/s and addr under Puerto Rico. (Rigas-IL). p/d E-mail form ltr. in 5 ds. The E-mail address is: eternicka@mediacen.navy.mil. (Stewart-MO).



via Urbella

RADIO NACIONAL DEL PARAGUAY
Fundación: 26 / FEBRERO / 92
NI: TRANSMISOR CON UNA POTENCIA DE 70 KILOWATIOS EN ANTENA.

EMISIONES EN ONDAS CORTAS:

- * 31 MHS. (9735 KILOCICLOS)
09:00 a 14:00 HORAS.
- * 17:00 a 24:00 HORAS.
- * 25 MHS. (11945 KILOCICLOS)
09:00 a 24:00 HORAS.

SIDA MEDIA: 520 KILOCICLOS
Fli: 50.1 - 55.5 MHz.

N.

P.

DEAR FRIEND,

We take pleasure in verifying your reception report of our transmission

Date: 13/12 19 85 at 2100 UTO hours
On 41,79 Meuro Band QRC 5025 MHz

Many thanks for your information and we shall appreciate your further reports, as well as comments on our broadcast
Good listening, DXs and 73at
Kossuth

YOURS SINCERELY
ENGLISH LANGUAGE BROADCAST
OF RADIO BUDAPEST

RECEIVED PHOTO BUDAPEST

Mr. Jamuel Barto

U.S.A.

I'm going to end the Column at this point. I really do not have enough material to justify starting another page.

Sam

Scoreboard

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

Greetings and welcome to the NASWA SCOREBOARD. The SPOTLIGHT this issue is on Oceania. Remember to update at least once a year to remain listed on the SCOREBOARD. Next time the SPOTLIGHT will be on South America. C/H = Countries Heard and C/V = Countries Verified. Country counts are by the NASWA Radio Countries List. Thanks to all our contributors.

Name, State	Total		Oceania		Best Oceania QSL
	C/H	C/V	C/H	C/V	
Dan Henderson, MD	242	234	20	20	Cook Is.
Marlin Field, MI	240	239	22	22	R. Kerema 3245
Jerry Berg, MA	240	238	21	21	Fiji
William Flynn, OR	240	225	21	21	VQO2 Solomon Is
John Sgrulletta, NY	236	236	20	20	Cook Is.
Gerry Bishop, FL	233	215	20	20	Cook Is.
Steven Lare, MI	230	209	21	21	Marshall Is.
Don Hosmer, MI	227	195			
Nobuaki Takahashi, Japan	226	201			
Sheryl Paszkiewicz, WI	220	213	20	20	Kiribati
Richard Davis, NM	219	211	20	20	Kiribati
Rick Krzemien, CA	217	212	21	21	Solomons
Paul Buer, FL	217	205	19	19	R. Cook Is.
Christos Rigas, IL	214	194	20	19	Cook Is.
Fred Kohlbrenner, PA	214	192	19	19	R. Cook Is.
Jerry Klinck, NY	214	192			
Jerry Lineback, KS	206	108	18	8	SIBS
Stephen Price, PA	192	169	12	11	R. Kiribati
George Maroti, NY	190	148	15	12	R. Tahiti
Jim Renfrew, NY	187	153	13	10	SIBC
Bob Fleck, TX	184	161			
Allan R. Loudell, DE	184	155	15	13	RRI Serui
Gary Froemming, AZ	181	44	11	5	VNG Australia
Ross Comeau, MA	178	145	15	13	Kiribati
Bill Bergadano, NJ	177	117	11	8	VLW9 9610 Aust.
Andy Rugg, Que.	176	157	7	7	ABC Perth
Mark Humenyk, ONT	169	135			
Bob Raymond, NH	162	132	8	8	R. Tahiti
Robert E. Gearing II, FL	155	122			
Darren White, MS	154	110	11	10	RFO Tahiti
Dan Ziolkowski, NY	152	70	9	7	Solomon Is.
Norm Constanti, MO	138	104	11	9	Vanuatu
Jill Dybka, TN	129	99	10	8	SIBC
Gary R. Neal, TX	121	110	7	7	VNG 16 MHz
Ronald J. Hunsicker, PA	107	95	5	5	VNG
Bret Pollack, MD	82	54			
Gene Borowski, NY	76	62	2	2	ABC VLH9
Sean Warner, MN	59	34	2	2	

Next Deadline is May 15 for the June Issue, 73, JAL



Net Notes

Tom Sundstrom

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Fax: 609-859-3226
Internet: trs@frsc.com
<http://www.frsc.com>

As Paul Harvey says, "now we know the rest of the story." In January we wrote that Dick Robinson of EEB was guilty of defrauding the DEA of \$50,000. Invoices were submitted to the DEA for radio batteries that were never delivered. He kept \$12,000 for his efforts, and the balance of the monies were paid to third parties.

On February 19 the 67-year-old Robinson was sentenced to four months in jail and four months of home detention. Additionally he must pay \$52,100 in fines and restitution.

Read the whole story on the Fairfax (VA) Journal Web site at <http://www.jrnl.com/news/99/Feb/jrn9220299.html>.

I really wonder what Robinson was thinking of back in 1995.

The Voice of Turkey now has a Web site on line at <http://www.tsr.gov.tr/>. The pages default to English.

The Voice of Greece finally moved away from its boring one-page of Courier type. The spiffy revision is found at <http://ert.ntua.gr/eraeng/>.

Radio Taipei International and

Voice of Asia are both parts of the Central Broadcasting System (CBS). There is a new, common, page to access the program guides of these two broadcasters: <http://www.cbs.org.tw/english/engb.html>.

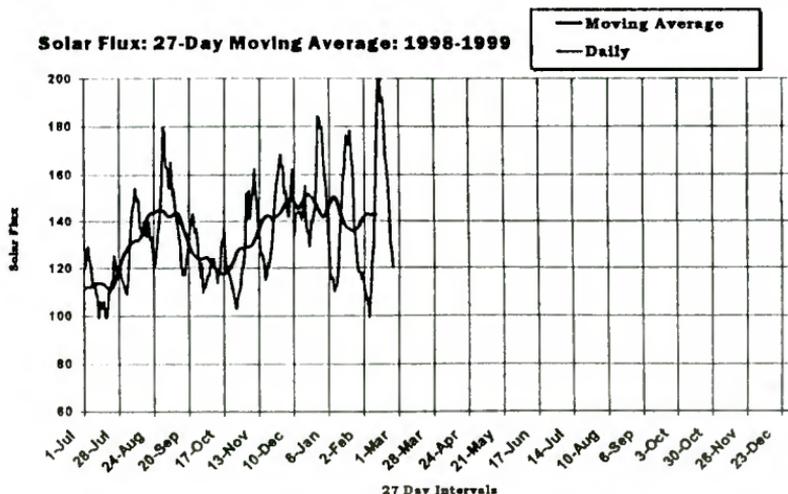
Harold Sellers writes "The Ontario DX Association web site is making a small move (.ca will become .com). The new address is already parallel to our old address. It is <http://www.durhamradio.com/odxa>."

WGTG has a new domain of <http://www.wgtg.org>. The Web site still lacks a program guide.

Software alert for Windows 95/98/NT users: In the taskbar, do you find the missing date, calendar and seconds to be as annoying as I do? TclockEx adds these items with a right-click of a mouse, and the clock format may be changed. It works well and it's free. Get TclockEx from <http://users.iafrica.com/d/da/dalen/tclockex.htm>.

We'll see you all in Kulpsville in less than two weeks!

Solar Flux: 27-Day Moving Average: 1998-1999



Contributors' Page

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DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	R8B AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Ray BAUERNHUBER, Rosedale, NY	Sony 2010
Ralph BRANDI, Tinton Falls, NJ	R8 70' LW
Paul BROUILLETTE, Geneva, IL	R8 60' LW
Eric BUENEMAN, Hazelwood, MO	ATS-803A MFJ-1778 G5RV antenna
Norm CONSTANTI, Rosebud, MO	
Rich A. D'ANGELO, Wyomissing, PA	R8 HF150 FL-3 AD Sloper LW
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
Nicolas ERAMO, Buenos Aires, ARGENTINA	Sony 2010 ICF-7600 7600G LW's
Marlin FIELD, Hillsdale, MI	
Mark FINE, Remington, VA	
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bill FLYNN, Cave Junction, OR	R8 R7A DX-Ultra inverted V
Hugh O. GRIFFIN, Jr., Portsmouth, VA	
Bob HILL, Littleton, MA	Sony 2010 120' dipole at 35'
Ron HOWARD, Monterey, CA	NRD-535D 10m LW
Mark HUMENYK, Weston ONTARIO	Magnavox D-2935 AN-60 DX-SWL sloper
Jerry KLINCK, Wales, NY	R8 HQ-180AX 80' LW 60m dipole
Fred KOHLBRENNER, Philadelphia, PA	R8 NRD-525 Datong FL-3 ANC-4 AD Sloper
David KRAUSE, Eastlake, OH	Kenwood R600
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
Jerry LINEBACK, Scranton, KS	Icom 746 beverage antennas
George MAROTI, Mt. Kisco, NY	Sony 2010 10/45m dipoles MFJ-956 tuner
William McGUIRE, Cheverly, MD	DX-380
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Takayuki Inoue NOZAKI, Tokyo, JAPAN	NRD515 NRD535 FRG7000
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Bob RAYMOND, Nashua, NH	DX-398 20m 5/8 wave vertical
Christos RIGAS, Wood Dale, IL	R-2000 Sony 2010 AD Sloper LW
Chuck RIPPEL, Cornland, VA	WJ-HF1000A R8B R390A/SE-3 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Conrad ROUTH, Chamblee, GA	NRD-535D AD 60' Sloper
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
Bill SMITH, Mineola, TX	R8B R70 51J4 Beverage
Randy STEWART, Springfield, MO	FRG-100 w/Collins filters
Fred TRESHER, Philadelphia, PA	ATS-818 Sony 2010 FRG-7700
Gerald WITHAM, Keauau, HI	R8 ANC-4 135' LW
Terry WOLF, Bellville, OH	Sony 2010 LW
Dan ZIOLKOWSKI, Hamburg, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

The 12th annual Winter SWL Fest is just days away. The program of events can be found in last month's Journal. I'm looking forward to seeing many of you there.



Tropical Band Loggings

Sheryl Paszkiewicz
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Manitowoc, WI 54220
spasz@dataplusnet.com

- 2390 MEXICO *R Huayacocotla* 1/21 1303 anmts, mx (Smit-TX)
 2695 INDO *RRI Ende* 2/2 1344 vcls, deep fading (Line-KS)
 3200 SWAZILAND *TWR* 12/20 0305 rel mx, ID (Rout-GA)
 3205 NEW GUINEA *R Sandaun* 1/28 1158 NA, poor (Line-KS)
 3210 COSTA RICA *REE* 1/19 0102 nx (Line-KS) 1/13 0153 La Musica en España (Smit-TX)
 3215 SULAWESI *RRI Manado* 1/28 1158 SCI & nx (Line-KS)
 3215 USA *WWCR* 1/13 0055 usual trash (Smit-TX)
 3220 NEW GUINEA *R Morobe* 1/28 1156 lcl mx, bird calls, NA (Line-KS)
 3235 NEW BRITAIN *RWNB* 1/28 1154 PD tlk, poor (Line-KS)
 3235 PERU *Luz y Sonido* 2/10 *0954 vcl, TC, IDs (D'An-PA)
 3240 SWAZILAND *TWR* 1/27 0328 lang tlk, addr, organ, ID (Newb-NE)
 3250 HONDURAS *Luz y Vida* 12/28 1130 Amazing Grace, ID (Robi-TN) 1/13 0052 EZL & upbeat vcls (Smit-TX)
 3250 KALIMANTAN *RRI Banjarmasin* 2/2 1345 vcls, poor (Line-KS)
 3250.8 PERU *R Comas* 2/10 1015 ID, vcls, fair (D'An-PA) 1/26 1019 tlk Peruvian mx (Line-KS) 1/16 0215 anmts, cmtry, mx, ID (Eram)
 3254.8 BRAZIL *R 6 de agosto* 1/26 1024 fast ZY vcls, good (Line-KS)
 3265 SULAWESI *RRI Gorontalo* 1/28 1153 smooth vcls, chants (Line-KS)
 3275 PAPUA *R South High*. 2/2 1200* Chorus, ment PNG, drums (Maro-NY) 1/28 1152 lcl mx, poor (Line-KS)
 3289.8t ECUADOR *R Centro* 1/13 0057 vcls (Smit-TX)
 3289.8 GUYANA *Vo G* 1/10 0705 BBC nx in EG (Line-KS)
 3290 NAMIBIA 12/29 0330 lang tlk, singing, ID (Rout-GA)
 3300 GUATEMALA *R Cultural* 1/27 0325 EG World Today (Newb-NE)
 3306 ZIMBABWE *ZBC* 12/14 0315 tlk, mx, ID (Rout-GA) 1/24 *0300 drums EG Radio 2 ID, chorus, lang tlk, pops (Alex-PA) 1/27 0333 Afr mx, chorus, percussion (Newb-NE)
 3315 ADM ISL *R Manus* 1/25 1155 mx, poor (Line-KS) 1/30 1135 low levels, island mx (Ripp-VA)
 3316 SIERRA LEONE *SLBS* 2/3 2151 hilife mx, long tlk, ads (Maro-NY)
 3320 S AFRICA *R Sonder Grense* 1/27 0340 AK folk mx, lite rock (Newb)
 3324.8 GUATEMALA *R Maya* 12/28 1200 SP, ID, band (Robi-TN) 2/3 0158 anmts to 0200* then back in a minute in lang, rel tlk (Brou-IL) 1/30 1214 dominating PNG, long lang tlk (Ripp-VA)
 3325 SUMATRA *RRI Palangkaraya* 1/31 1325 pops, ID (Line-KS)
 3330.2 PERU *Ondas del Huallaga* 1/26 1036 SP pgm (Line-KS)
 3330.6 PERU *Ondas del Huallaga* 2/9 1020 OA mx, Ids, TCs (D'An-PA) 2/9 *1006 ID, anmts, OA mx (Kohl-PA)
 3335 NEW GUINEA *R E Sepik* 1/28 1151 lcl mx (Line-KS)
 3340 PERU *R Altura* 2/10 1017 lively mx, Tcs, ID (D'An-PA) 2/2 1027 Andean mx, echo tlk, flute, ID (Ziol-NY)
 3345 MOLUCCAS *RRI Ternate* 2/2 1340 Indo vcls (Line-KS) 2/2 1339 mx male anncr (Smit-TX)
 3345 NEW GUINEA *R Northern* 1/28 1150 PD tlk (Line-KS)
 3356 BOTSWANA *RB* 12/14 0359 pop mx, anmts, ID (Rout-GA) 1/27 0349 Afr mx, jazz/blues (Newb-NE)
 3360 ECUADOR *LV del Upano* 1/15 0307* anmts, educ pgm, ID (Eram-ARG)

- 3360 GUATEMALA *LV de Nahuala* 2/3 0220 trop mx, ment church events, jingle, ID (Brou-IL)
- 3365 NEW GUINEA *R Milne Bay* 2/6 1145 mx (Line-KS)
- 3370 GUATEMALA *R Tezulutlan* 1/13 0037 fair w/tlk (Smit-TX)
- 3373.5 JAPAN *NHK* 1/27 1028 EG/JP EG lesson, TP, ID (Howa-CA)
- 3375 NEW GUINEA *R W High*. 1/28 1149 vcls (Line-KS)
- 3380 GUATEMALA *R Chortis* 1/23 1133 mx, anmts, ID (Klin-NY) 1/13 0031 tlk, mx (Smit-TX)
- 3385 SUNDAS *RRI Kupang* 1/31 1159 SCI & nx (Line-KS)
- 3395 NEW GUINEA *R E High*. 1/28 1147 EG mx (Line-KS)
- 3450 LIBERIA *R Veritas* 2/13 2216 hilife, cmtry 2224* (Hill-MA)
- 3810 ECUADOR *HD2IOA* 1/21 0856 time sig, exc (Smit-TX)
- 3905 IRIAN JAYA *RRI Merauke* 2/1 1159 SCI & nx (Line-KS)
- 3925 JAPAN *R Tampa* 1/31 1141 drama (Ripp-VA)
- 3985 ITALY *IRRS* 2/10 2210 UN pgm, mx, ID, addr, into IT (Bran-NJ)
- 3987 IRIAN JAYA *RRI Manokwari* 2/2 1341 Indo vcls (Line-KS)
- 4000 SULAWESI *RRI Kendari* 2/4 1300 RRI nx //4753 (Line-KS)
- 4039.2 PERU *R Marginal* 1/29 0059 ads, folklore, IDs (Eram-ARG)
- 4060.3 UNID 2/6 0448 AR tlk, ment Kurdistan, weaker 0455 (Bran-NJ)
- 4420.3 PERU *R Bambamarca* 2/8 0230 OA mx, ID, TC (D'An-PA) 2/8 0217 comunicados, mx pgm, TC, ID (Eram-ARG)
- 4460.8 PERU *R Norandina* 2/8 0318 mx pgm, ID (Eram-ARG)
- 4485.2 PERU *R Frec VH* 2/9 0222 lds, flute, poor (D'An-PA)
- 4499.6 PERU *R Moderna* 2/8 *1056 anmts, ID, rustic vcls (D'An-PA)
- 4460 CHINA *CNR* 2/1 2305 CH tlk, ID //9080 (ZioI-NY)
- 4471.7 BOLIVIA *R Movima* 1/21 0113* anmts, Escala Musical, ID (Eram)
- 4534.1 PERU *R Horizonte* 2/8 0201* huaynos, Tcs, ID, instl (Eram-ARG) 2/1 0110 Andes guitar/harp, ID, loud (Nove-NC)
- 4575 UNID 2/4 0218 big carrier & whistling (Brou-IL)
- 4606 IRIAN JAYA *RRI Serui* 2/4 1300 RRI nx //4753 (Line-KS)
- 4635.4 TAJIKISTAN *TR* 2/7 0020 flute mx, IS, IDs (Nove-NC)
- 4725 MYANMAR *VoM* 1/20 1324 vcls (Line-KS)
- 4733 UNID 1/24 2245 FR tlk & prob Afr stn, mx tnx Veldhuis (Nove-NC)
- 4753.3 SULAWESI *RRI U-P* 2/8 2153 brief mx, SCI, nx, pop mx (D'An-PA) 1/24 1300 Indo nx (Line-KS) 1/27 1130 mx (Newb-NE)
- 4755.3t BRAZIL *R Educ Rural* 1/13 0257 fair w/mx (Smit-TX)
- 4760 AND ISL *AIR* 2/8 2336 EG nx, ID (Nove-NC)
- 4765t BRAZIL *R Rural* 1/21 0917 tlk & rooster crow (Smit-TX)
- 4770 NIGERIA *Kaduna* 1/5 0440 tlk abt kids, guitar (Newb-NE)
- 4775 INDIA *AIR Imphal* 1/20 1327 lang tlk (Line-KS)
- 4777.8 JAVA *RRI Jakarta* 1/16 1412 Indo tlk, mx (Line-KS)
- 4779.8 GUATEMALA *R Coatan* 2/2 1325 variety mx (Smit-TX)
- 4780 PERU *R Satellite* 2/1 0130 comunicados, mx, ID (Eram-ARG)
- 4783 MALI *RTM* 1/10 0658 FR anmts (Line-KS) 2/2 0750 tlk, IS (Smit)
- 4789 IRIAN JAYA *RRI Fak-Fak* 2/2 1159 SCI & nx (Line-KS)
- 4800.7H ARGENTINA *R Armonia* 1/22 0740 ID, XERTA off (Smit-TX)
- 4800.7 MEXICO *XERTA* 1/21 at 0926 (Smit-TX)
- 4803.4t BRAZIL *Rdf Amazonas* 12/22 1135 Beethoven, Silent Nite (Newb-NE)
- 4815 BRAZIL *Rdf Londrina* 12/11 0125 tlk, ID (Rout-GA) 1/23 2350 pop mx, PT Unchained Melody, ID, tnx Bergadano (Bran-NJ)
- 4815 CHINA *CRI* 1/16 1420 lang chorus, anmts (Line-KS)
- 4824.4 PERU *LV de la Selva* one hour later *1057 NA, tip from health center, ID (TIN-JP)
- 4825 GUATEMALA *R Mam* 2/2 1321 tlk, pops (Smit-TX)
- 4828 ZIMBABWE *Radio 4* 1/24 *0300 chorus, tlk, pops, chorus, at 0319 moved to 5012 & 0324 back to 4828 (Alex-PA)

- 4830 CHINA *Huayi BC* 1/9 1350 CH tlk, mx (Line-KS)
- 4831.9 COSTA RICA *R Reloj* 1/21 0932 tlk, pops, ads (Smit-TX)
- 4835 GUATEMALA *R Tezulutlan* 1/27 0359 lang tlk, marimbas (Newb-NE)
- 4840 INDIA *AIR Mumbai* 1/24 1320 lang tlk, SC mx, ID, nx (Line-KS)
- 4841.3 UNID 1/100150 Hindu chants, poss ment Mumbai but not Akashvani strong sig, could be Mumbai (Ziol-NY)
- 4845 GUATEMALA *R Kekchi* 12/28 1230 SP organ, Happy B'day, hymn (Robi)
- 4850 CHINA *CPBS* 1/16 1424 CH tlk (Line-KS)
- 4855.6 PERU *R La Hora* 2/10 1031 ID, OA mx, gone 1034 (D'An-PA)
- 4860 INDIA *AIR Delhi* 2/7 1230 EG nx (Line-KS)
- 4865.1 BRAZIL *R Missoes* 1/21 0935 mixed vcls (Smit-TX)
- 4870 BENIN *ORTB* 1/9 2155 lang mx (Line-KS)
- 4870 ECUADOR *LV del Upano* 1/29 0125* EG lessons, ID, NA (Eram-ARG)
- 4875 IRIAN JAYA *RRI Sorong* 2/7 1150 Indo tlk & vcls, SCI (Line-KS) 2/7 0920 lagu hiburan, Koran (TIN-JP) 1/29 2132 ment Ambon & Indo, nx, cmtry, march (Hill-MA) 1/21 0941 mixed vcls (Smit-TX)
- 4875.1t BOLIVIA *La Cruz del Sur* 2/12 2330 SP preach, rel mx, And mx, Ids, drifting (Nove-NC)
- 4880 INDIA *AIR Lucknow* 2/6 1339 SC mx (Line-KS)
- 4883 CHINA *CRI* 1426 in lang (Line-KS)
- 4885 BRAZIL *R Clube* 2/4 0240 long tlk, phone calls (Brou-IL) 1/21 0947 fair level (Smit-TX)
- 4886.7 PERU *Virgen del Carmen* 1/27 1006 lcl mx, anmts, ID (Klin-NY)
- 4890 GABON *RFI* Relay 1/27 0402 FR reading (Newb-NE)
- 4890 PAPUA *NBC* 1/21 1257 still missing (Smit-TX)
- 4895 BRAZIL *R IPB AM* 1/16 0241 nx, folk mx, rel, ID (Eram-ARG)
- 4895 SARAWAK *RM Kuching* 1/16 1433 ML pops, anmts, ID (Line-KS)
- 4899.8 ECUADOR *LV de Saquisilí* 2/8 2348 Andean mx, Ids, pow incr? Nove
- 4900 CHINA *Vo Strait* 1/16 1436 CH pops, anmts (Line-KS)
- 4904.9 BRAZIL *R Religio* 2/5 2257 rel/pgm, ID (Eram-ARG) 1/30 2250 EZL, ad, ID (Nove-NC)
- 4910 INDIA *AIR Jaipur* 2/5 1348 lang tlk (Line-KS) 1/24 1230 nx, lcl ID (Nove-NC)
- 4914.4 PERU *R Cora* 2/6 0850 vcls, canned IDs (TIN-JP)
- 4915 BRAZIL *R Anhanguera* 1/21 0950 good w/pops (Smit-TX)
- 4915 GHANA *GBC* 1/3 2145 lang cmtry (Tres-PA) 2/6 2155 lang mx (Line)
- 4920 ECUADOR *R Quito* 1/21 0700 regional mx, Ids, anmts (With-HI) 1/10 0627 rock & Andean mx, ID (Line-KS) 1/27 0403 SP ID (Newb)
- 4920 INDIA *AIR Chennai* 2/5 1350 lang tlk (Line-KS)
- 4925 SUMATRA *RRI Jambi* 2/8 2237 vcls, ID, SCI (D'An-PA)
- 4935 PERU *R Tropical* 1/14 1130 ID, fair (Line-KS)
- 4940 CHINA *Vo Strait* 1/16 1440 CH mx not //4900 (Line-KS)
- 4945 BOLIVIA *R Illimani* 2/8 0928 Andean mx, ID, TC (Eram-ARG)
- 4945 BRAZIL *Emis Rural* 1/14 0658 anmts, mx, rooster, etc (Kohl-PA)
- 4950.1 ECUADOR *R Bahai* 1/20 0923 anmts, Ids, Quechua tlk (Alex-PA)
- 4950.1 PERU *R Madre de Dios* 1/15 0201* anmts, nx, cmtry, ID (Eram)
- 4950.3 ECUADOR *R Bahai* 1/27 1040 lcl mx, tlk, IDs (Klin-NY) 1/14 1125 lang anmts, Andean mx (Line-KS)
- 4955 COLOMBIA *RN* 1/27 0405 pop & dance mx, Nat King Cole (Newb-NE)
- 4960 VANUATU *RV* 1/21 0710 FR island mx, anmts (With-HI) 1/14 1117* lang/FR anmts, long tlk, NA (Line-KS)
- 4960.2 VIETNAM *Vo V* 1/16 1442 VT tlk (Line-KS)
- 4970 INDIA *AIR Shillong* 1/21 1210 film mx, armchair copy (Nove-NC)
- 4971 PERU *R Imagen* 1/8 0953 LA mx, anmts (Ziol-NY)
- 4974.9 BRAZIL *R Mundial* 1/16 0255 anmts, ads, instl mx, ID (Eram-ARG)
- 4975 CHINA *Fujian PBS* 1/16 1443 CH tlk, class mx (Line-KS)
- 4975 COLOMBIA *Ondas del Ortegua* 2/2 2345 ballads, ID, TC (Nove-NC)

- 4980 **VENEZUELA** *Ecos del Torbes* 2/8 0936 cmtry, ads, Hablemos de Botanica y Salud
pgm, TC, ID (Eram-ARG) 1/27 1150 promos (Newb)
- 4990 **INDIA** *AIR Itanagar* 2/6 1200 ID, nx, SC mx, ID (Ripp-VA)
- 4990.9 **SURINAM** *R Apintie* 1/23 0345 mx w/o tlc (Ripp-VA)
- 4991 **PERU** *R Ancash* 1/15 0116 cmtry, ads, TC, ID (Eram-ARG)
- 4995.6 **PERU** *R Andina* 2/8 1050 anmts, mx, echo IDs (Kohl-PA) 1/16 0301 rel, ID (Eram-ARG)
- 5005.3 **NEPAL** *R Nepal* 1/23 1650 regional mx, nx, anthem 1715* (With-HI)
- 5009.6 **MADAGASCAR** *RM* 1/9 *0255 IS, NA, tlc, mx (Alex-PA)
- 5010 **CHINA** *Guangxi PBS* 1/14 2320 CH tlc, ID (Rout-GA) 1/16 1450 tlc (Line-KS)
- 5011.8 **DOM REP** *R Cristal* 1/9 2330 ID, vcls (Line-KS)
- 5012 **ZIMBABWE** *Radio 4* 1/23 0335 pops, anmts, ID, drums (Alex-PA)
- 5018.7 **PERU** *R Horizonte* 1/26 1130 ID, lite rock mx (Howa-CA) 1/15 1120 guitar mx,
slogan, Tcs, greetings (TIN-JP)
- 5019.2 **PERU** *R Horizonte* 1/12 1143 TC, anmts (Line-KS)
- 5020 **COLOMBIA** *Ecos del Atrato* 1/14 1140 ads, anmts (Line-KS)
- 5020 **SOL ISL** *SIBC* 1/21 0720 PD/EG, school msgs, ID (With-HI) Tnx!-sp
- 5025 **AUSTRALIA** *ABC* 2/11 2137 tlc abt North Terr, pops //4910, 4835 (Hill-MA)
- 5025 **CUBA** *R Rebelde* 1/27 0411 SP addresses (Newb-NE)
- 5030 **CHINA** *CPBS* 1/16 1500 TP, nx, cmtry (Line-KS)
- 5030 **COSTA RICA** *AWR* 1/17 1148* ID, rel mx (Line-KS)
- 5030 **SARAWAK** *RM* Kuching 1/20 1351 fair chanting (Smit-TX)
- 5039.2 **PERU** *R Libertad* 1/15 0023 cumbias, Tcs, ID (Eram-ARG)
- 5040 **INDIA** *AIR Jeypore* 2/5 1400 SC mx (Line-KS)
- 5047 **TOGO** *Lome* 1/29 0510 FR lcl mx, ID, W Afr mx (Klin-NY)
- 5050 **CHINA** *Vo Strait* 1/16 1450 CH tlc //4900 (Line-KS)
- 5050.1 **TANZANIA** *RT* 12/28 0330 EG anmts, ID (Rout-GA)
- 5054.8 **COSTA RICA** *Faro del Caribe* 1/17 1341 EG pgm (Line-KS)
- 5055 **FR GUIANA** *RFO* Cayenne 1/10 0633 FR mx (Line-KS)
- 5060 **CHINA** *Xinjiang PBS* 2/6 1431 MG pgm (Line-KS)
- 5070 **USA** *WWCR* 1/18 1220 Conspiracy Theory pgm (Line-KS)
- 5090 **CHINA** *CPBS* 12/11 2250 tlc to 2300* (Rout-GA) 1/16 1455 CH tlc not //5030 (Line-KS)
- 5100 **LIBERIA** *RL* 2/7 2100 ID, EG nx (Kohl-PA)
- 5145.1 **CHINA** *CRI* 1/7 1005 RS tlc //7110, 7820 (Ziol-NY)
- 5240 **TIBET** *Xizang PBS* 1/20 1130 CH mx, ID, TP, lcl TC, Five Star Red Flag march, ID
(Maro-NY) 1/31 1123 long CH ballads (Ripp-VA)
- 5290 **RUSSIA** *Krasnoyarsk* 1/25 1105 tlc & little mx (Fiel-MI)
- 5385.8 **PERU** *R Huarmaca* 2/8 0443* huaynos, ID, TC, orch (D'An-PA)
- 5470.8 **PERU** *R San Nicolas* 1/30 1140 folklore, ID (TIN-JP)
- 5522.2 **PERU** *R Sudamerica* 1/29 1203 huaynos, tlc, ID, AM FC (TIN-JP)
- 5602 **PERU** *unid* 1/18 2358 tlc to 0000*, not hrd since (Fiel-MI)
- 5640.5v **PERU** *R Peru* 2/6 2345 pop mx, IDs (Nove-NC)
- 5678 **PERU** *R Ilucan* 2/3 0045 mx pgm (Fiel-MI) 2/10 1048 vcls & flutes ID (Kohl-PA)
- 5770 **NICARAGUA** *R Miskut* 2/7 0130* mx, echo ID, short mx (D'An-PA)
- 5773.7 **PERU** *R Manantial* 2/4 1035 rel format, hymns, echo anmts, ID, tnx Klemetz for help
with tape (Nove-NC)
- 5810 **USA** *KAIJ* 12/11 0359 Univ Net ID (Rout-GA)
- 5840 **GERMANY** *AWR* 12/11 0430 GM w/EG ID (Rout-GA)
- 5850 **USA** *WYFR* 12/11 0443 RS rel, EG ID (Rout-GA)
- 5859.7v **PERU** *R Nueva Cajamarca* 2/2 0020 drifting, Andean mx, ads, IDs comunicados
(Nove-NC)

Please note my new e-mail address, spasz@dataplusnet.com. The msn account has been closed out. If you sent something since February 24, I did not get it. Please resend. Thanks! 

International Band Loggings

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nwikers@gte.net

- 5900 BULGARIA *R Bulgaria* in TK 0600*, tk, mx after 0540, exc, //7390 much weaker (Field MI 2/2)
- 5915 SLOVAKIA *R Slovakia Int* in EG 1630, ID, tks, IS, mx (Witham HI 1/16)
- 5935 LATVIA *R Latvia Int* in EG 2135*, ID, mx, nx, fanfare at s/off, QRM (Brandi NJ 1/26, D'Angelo 2/8)
- 5940 RUSSIA *V of Vietnam* relay Armavir in EG 0119, ID, tk re economy in VT, mx, f (Krause OH 1/15)
- 59498 GUYANA *V of Guyana* in EG 0943, ads, "Farmers' Choice", funk mx, nearly wiped out by s/on 0948 WYFR o/c, reggae, ID 0958 hrd w/LSB, IS, ads for imported beers (Brandi NJ 2/2)
- 5955 MOROCCO *R Free Europe* relay in Serbo-Croat(p) 2150, multi-lang ID's, interview (Brandi 1/26)
- 59814nf7 PERU *R Chasqui* in SP 1022, ID's, TC's, mx sels w/tlk, good until R Union s/on 1055 (D'Angelo 2/9)
- 5982 GUATEMALA *Union Radio* in SP 1200, relig type mx, complete ID 1200 (Field MI 1/18)
- 5995 MALI *RTV Malienne* in FR 0652, tks, Afro vcls, IS, nx, kora mx, many mentions of Mali, Bamako, and "Universite du Mali", s-off at 0723 (Brandi NJ 2/2, Kohlbrenner PA 1/20)
- 6000 BRAZIL *R Guaiba* in PT 0727, tinkly piano mx, ID (Brandi NJ 2/2) in PT 0900, ID, "musica da Guaiba", traditional ballads similar to Ranchera, g, //11785 but QRM'd signal (Lineback KS 1/24)
- 6010 MEXICO *R Mil* in SP 0855, mx mix, SP version of the "Stones", ID's, fqy (Kohlbrenner PA 1/13)
- 6010 ITALY *RAI* Rome in EG 0050, nx re Brazil's stock market collapses, g (Fraser MA 1/15)
- 6015 SINGAPORE *R Singapore* in EG 1230, nx read by YL, //6150 but weaker signal (Fine VA 1/23)
- 6020 AUSTRALIA *RA* in Pidgin 0914, ID and tk in Pidgin, EG mx, QRM but good (Lineback KS 1/24)
- 6020nf7 HUNGARY *R Budapest* in EG 0335, ID, pgm on political events in Hungary, exc (Krause OH 1/17)
- 60349 COLOMBIA *LV de Guaviare* in SP *0944, ID, ancmts, chatter, L Am mx, p (Kohlbrenner PA 1/19)
- 6055 RWANDA *R Rwanda* in EG/FR 2103*, s/off ancmts in both langs, orch NA, g (D'Angelo PA 2/7)
- 6055 SPAIN *REE* in EG 0010, rpt on Spanish lang paper in Miami, nx (Newbury NE 1/31, Trescher PA)
- 6055 JAPAN *R Tampa* Tokyo in JP 0952, instrml mx, ads, ID "JOY...Radio Tampa" (Eramo ARGEN 2/8)
- 6060 ITALY *RAI Radio Uno* Sicily in IT 0628, pop mx, nx(p), ID's "RAI, Radio Uno" (Brandi NJ 2/2)
- 6060 ARGENTINA *R Nacional* in SP 0939, phone conversations, TC 1000, ID, F (Howard 1/30)
- 6065nf7 IRAN *VOIRI* Teheran in EG 0046, nx mostly re Iran, ID's, tk re Pakistan & Iran, vg (Krause OH 1/4)
- 6070 CANADA *CFRX* Toronto in EG 2100, nx, relay of CFRB, ID, traffic, wx (Bauernhuber NY 1/15)
- 6100nf7 CENTRAL AFRICAN REPUBLIC *R Centrafrique* in FR 0705, fast tkling, //7220, //p (Wolf OH 1/3)
- 6120 CANADA *R Japan* relay in EG 1115, rpt on Beijing's public rest rooms, g (Fraser MA 1/15)
- 6120 GERMANY *R Vilnius* relay Jülich in EG 0030, mx, sports cmntry (Pasquale PA 1/15, Trescher PA)
- 6125 CHINA *CPBS* Shijiazhuang in CH 2138, tks in lang, //7290, 7935, 5320 jammed (Brandi NJ 1/30)
- 6130 LAOS *Lao Nat Radio* Vientiane in lang 1158, nice mx, 7 gongs 1200 w/signature tune, ID, instrml mx YL with nx, signal dominated CHNX despite high noise levels (D'Angelo PA 2/8, Rippel VA 1/30)
- 6130 CANADA *CHNX* Halifax in EG 2255, ad, ment Maritime Radio Service, oldies, f (McGuire MD 2/8)
- 6135 BOLIVIA *R Santa Cruz* in SP 0915, Andean mx, ID's, slogans between songs (Kohlbrenner PA 1/20)
- 6135 SWAZILAND *TWR* relay in Chewa(p) 1645, chorus, ID, vocal mx, p (Witham HI 1/16)
- 6135 HUNGARY *R Budapest* in EG 0200, Hungary's aid to local Albanians via NATO, g (Robinson TN)
- 6150 BRAZIL *R Record* in PT 0207*, religious pgm, full ID and fqys at s/off, f (Eramo ARGEN 1/21)
- 6170 BRAZIL *R Cultura* in PT 0156, classical mx, px "Boulevard Cultura", ID, f (Eramo ARGEN 1/21)
- 6185 MEXICO *R Educacion* in SP 0925, mix of ballads & marimba mx, SP/EG ID's (Kohlbrenner PA 1/18)
- 62043v PERU *R Cusco* in SP 1036, lively OA mx, ID, folklore pgm (Nozaki JP 1/23, D'Angelo PA 1/21) in SP 0152, huanos & cmntry, TC's, ID, f-p (Eramo ARGEN 1/21)
- 6210 ETHIOPIA *R Fana* in lang 0420, Ethiopian-style pop mx, ID, nx?, //6940 (Brandi NJ 1/29)
- 6265 ZAMBIA *R Zambia* in lang 0423, antimated tk re lcl currency, Afro mx, TC 0430 (Brandi NJ 1/30)
- 64585usb USA *Amer Forces Net* in EG 1230, Super Bowl pre-game shows, PSA, ID (Maroti NY 1/30) in EG 0215+, CBS & CNN nx, rpt on Ramadan, US pilots bomb Iraq (Alexander PA 1/23, Newbury NE 1/8)
- 65358 PERU *R Huancabamba* in SP 2312, flute mx, excited man tkling, ID, ads, f (D'Angelo PA 2/9)
- 6575 NO KOREA *R Pyongyang* in RS 0845, tk, IS, 3 ID's in RS, fluttery signal (Brandi NJ 2/2)

- 67255 PERU *R Satellite* in SP 0024, canned anmt, ments Santa Cruz, ID's during tlk, vp (Serra ITALY 1/24)
- 68953 PERU *R San Miguel* in SP 1208, Andean pop mx, echo ancmts, ID (Novello NC 2/7, Field MI 1/23)
- 70405 PERU *R San Ignacio* in SP 1028, pgm of huaynos, frequent TC's, ID's, f (D'Angelo FCDX/PA 2/8)
- 7110 ETHIOPIA *V of Ethiopia* in lang 0518, Ethiopian pop mx, f to 0550, //9705 p (Brandi NJ 1/29)
- 7115 BOSNIA *R Yugoslavia* relay in EG 0100, IS, ID, nx, features (Robinson TN, Trescher PA)
- 7190 CHINA *CRI Baoding* in JP 1220, CH mx, p, //9855 under D Welle (Ziolkowski NY 1/25)
- 7210 BELARUS *R Minsk* in lang 0230, multi-lang ID, nx, discussion, no ham QRM (Klinck NY 2/1)
- 7230 ITALY *R Forli AWR* relay in IT 0843, relig pgm, songs, multi-lang ID's, QRM (Serra ITALY 1/20)
- 7325 AUSTRIA *ORF Vienna* in EG 0030, "News from Vienna" & "Report from Austria", nx, cmntry on immune system and infectious TB (Bauernhuber NY 1/18, Trescher PA 1/3, Newbury NE 1/23)
- 7365 ALASKA *KNLS* in EG 1300, pgm: "Voices from the Past - the Pueblo Incident" (Pasquale PA 1/23)
- 7410 INDIA *AIR Aligarh* in EG 2200, rpt on death of King Hussein, ID, f (McGuire MD 2/7)
- 7435 ISRAEL *Kol Israel* in EG 2000, cmntry re ongoing Palestinian incitement, other nx (Robinson TN)
- 7440 NORWAY *R Denmark* relay in DN 0530, YL & OM discussion, ID, //7480 (Witham HI)
- 7470nf PAKISTAN *R Pakistan* in AR 1830, relig mx, ID, stoff 0835 with anthem, //9330 (Witham HI 1/2)
- 7535 BULGARIA *R Bulgaria* in EG 2045, classical mx, nx, f, //5850 (Bauernhuber NY 1/13)
- 9360 TAJIKISTAN *R Free Asia* relay in Burmese 1550, mostly tlk in lang, //9400 (Treibel WA 12/31)
- 9365nf ISRAEL *Kol Israel* in HB 1905, pop mx, YL vocals, signal under China, //9390 (Witham HI 1/9)
- 9385nf GUAM *KSDA Agat AWR* relay in lang/EG 1430, nx in EG to 1500, into pgm in lang (Sinhalese?) at 1500, ID as "Voice of Hope", weak signal (Field MI 2/6)
- 9420 GREECE *V of Greece* in EG 0138, nx, GK pop mx, cmntry, //7450, 9375 (Newbury NE 1/23)
- 9465nf CZECH REPUBLIC *R Prague* in EG 0000, ID, rpt on the Czech Republic budget (McGuire MD 1/19)
- 9485 BULGARIA *R Bulgaria* in EG 0030, pop songs in BG, tlk on land redistribution, cmntry on need for peaceful settlement in Kosovo (Bauernhuber NY 1/18, Newbury NE 11/30, Fraser MA 1/19)
- 9500nf CENTRAL AFRICAN REPUBLIC *R Minurca* in FR 0700, IS, nx, p (Witham HI 1/17)
- 9535 THAILAND *R Thailand* in EG/TH 2030, ID, nx, features on medical effects of alcohol, tlk on econ pgm, into Thai language at 2045 (Brandi NJ 1/26, Serra ITALY 1/20)
- 9535nf IRAN *VOIRI Teheran* in AR 0610, monologue, piano mx, //9880, 15355, 17540, p (Witham HI 1/1)
- 9575 MOROCCO *Radio Medi Un* in FR/AR 0826, rock mx, tlk in both langs, nx (Kohlbrener PA 1/20)
- 9580 GABON *Africa #1* in FR 2050, rap & jazz mx, cmntry, ID (Trescher PA 1/3, Newbury NE 1/10)
- 9600Inf MEXICO *Radio UNAM-Universidad* in SP 0313, reactivated station, Vin to classical mx, 3 ID's, 2 for Radio UNAM, 1 for R Universidad, very weak sig, 1 kw listed (Hankinson KS via DX Cumbre 2/19)
- 9605 MADAGASCAR *R Nederlands* relay in EG 1900, rpt on WW 1, lcl plane crash (McGuire MD 1/18)
- 9605 VATICAN STATE *Vatican R* in EG 0255, trend between NA & SA toward solidarity (Newbury 1/30)
- 9645 THAILAND *VOA* relay in EG 1105, ID's, nx, severe QRM from Costa Rica (Ziolkowski NY 1/17)
- 9650 SOUTH KOREA *R Korea* in EG 1200*, rpt on religious rituals in Korean culture (McGuire MD 2/9)
- 96662 NORTH KOREA *KCBS* Pyongyang in KR 0855, patriotic mx, 3 pips 0900, tlk (Kohlbrener PA 1/20)
- 97042 ETHIOPIA *R Ethiopia* in lang 1945, pop and rap mx, OM anc, p (Witham HI 1/16) in Amheric 0420, local mx, OM & YL taking phone calls after 0430, 3 chimes at 0500, nx? (Kohlbrener PA 1/17)
- 9705 MEXICO *R Mexico Int* in EG/SP 1500, nx, cmntry, ID, addr, ballads, into SP 1523 (Alexander 1/15)
- 97101 AUSTRALIA *RA* in Pidgin 0915, pop and lcl mx, ID in Pidgin, nx (Brandi NJ 2/2)
- 9730 FRENCH GUIANA *China R Int* relay in EG 0418, US attacks in Iraq, ID, tlks (Newbury NE 1/27)
- 9735 PARAGUAY *R Nacional* Asuncion in SP 0200, sports pgm, ID, f (Eramo ARGENTINA 2/6)
- 9780 PHILIPPINES *FEBC* in IN 2225, IS, ID's, Christian cmntry & quotes, ezl mx, f (Brouillette IL 1/24)
- 97803 YEMEN *Rep of Yemen R* in EG/AR 1758-1915+, AR pgmng to 1758, flute IS, NA 1800, ancmts in EG, nx, US/Euro/AR mx, back to AR pgmg 1900 (Alexander PA 1/15, D'Angelo PA 2/8, Serra ITALY)
- 9835 HUNGARY *R Budapest* in EG 0200, nx re the lack of safety on Budapest streets, f (Pasquale PA 1/20)
- 9875nf RUSSIA *V of Vietnam* relay Petropavlovsk in VT *0400-0458*, Hanoi ID with short fanfare, OM & YL in VT throughout xmsn, some mx breaks, powerhouse signal on WCNA (Treibel WA 2/3)
- 9900 EGYPT *R Cairo* in EG 2345, "Arabic by Radio" at 0000, exc on 2/3, not heard 2/6 (Field MI 2/3&6)
- 9945nf MONACO *TWR* relay Monte Carlo in Armenian 1600-1632*, new fqy with // on 7935, both signals fair with a slight edge to 9945, pgm mostly tlk in language, familiar IS for TWR (Treibel WA 2/9)
- 9965 ARMENIA *V of Armenia* Yerevan in EG 2115, Pres of Georgia urges tlks between Armenia and Azerbaijan, ID, nx (Pasquale PA, Bauernhuber NY) in Armenian 2015, mx, IS, vocals, NA (Robinson TN)
- 9990 EGYPT *R Cairo* in FR 2002, exotic mx, U.S. show mx sung in AR, ID 2010, nx, g (Flynn OR 1/31) in EG 2127, quiz questions, nx, AR songs, good audio! (Brouillette IL 1/24)

- 11204 **SOMALIA R Mogadishu** in lang?/EG 1940-2058*, African mx & vcls, ID in EG 2000, beamed to Europe, nx in EG, NA, het from aero traffic 11205 (Kohlbrener FCDX/PA 2/9, D'Angelo FCDX 2/8) also hrd *0359-0410 in lang, tlk, ID?, local mx, weak but clear (D'Angelo FCDX/PA 2/9)
- 11530 **LEBANON AWR** relay in lang? 1746, man with sermon, EG ID on the hr (D'Angelo FCDX/PA 2/9)
- 115701 **PAKISTAN R Pakistan** in EG 1403, nx til 1415, ancmnt by man in lang, //154647 (Fine VA 2/7)
- 11605 **ISRAEL Kol Israel** in EG 2015, protests on treatment of immigrants from Russia, g (Pasquale PA 1/9)
- 11620 **INDIA AIR Bangalore** in RS 1615, IS, subcont vcl, fair sig but very noisy, //15140 better covering HCJB in SP (Ziolkowski NY 1/31) in EG 2250, ID on the hr, Indian song, sitar mx (Newbury NE 1/18)
- 11625nf **GUAM KSDA** Adv World R relay in EG 1528, full ID, QSL addr & Web site (Rippel VA 1/20)
- 11635 **PHILIPPINES FEBC** in EG 0926, IS, ID's, pgm preview, world nx, sermon, f-p (Serra ITALY 1/20)
- 11690 **JORDAN R Jordan** in AR 1628, nx of King Hussein's death, EG usually on this slot (Brandt NJ 2/7)
- 11705 **BRAZIL R Nova Visão** in PT 2230, ID, relig pgm w/frequent mention of "Jesus Cristo". On exact fqy rather than listed split, f (Treibel WA 1/30) PT ballads, New Age mx at 0955, f (Lineback KS 1/24)
- 11705 **CANADA R Japan** relay in EG 0013, interview w/Malama musician, mx after (Newbury NE 1/10)
- 117341 **TANZANIA VoT Zanzibar** in SH 1800-2100*, AR mx, pips, ID, many ments Dar es Salaam, local instrml mx, nx on the hr (Kohlbrener PA, Rippel VA, Klinck NY, Serra ITALY 1/27)
- 11775nf **IRAN VOIRI Teheran** in EG 1610-1626*, Asia xmsn, Islam feature, ID's, poor audio (Flynn OR 2/3)
- 11775 **ANGUILLA Caribbean Beacon** in EG 2000, relay of Dr Gene Scott sermon, f (Bauernhuber NY 2/1)
- 11810 **RWANDA D Welle** relay in EG 1935, Nigerian mx, Brundi sanctions lifted, g (Newbury NE 1/26)
- 11830 **BRAZIL R Anhanguera** in PT 1455, nx, econ cmntry, ads, ID's "CBN Brasil" (Eramo ARGEN 2/4)
- 11845nf **GERMANY R Liberty** relay Holzkirchen in UK 1705, "Svboda ID" fair sig in the clear, nx, mx breaks, /11705 (Lampertheim, Germany) and 7175 (Biblis, Germany) weakest (Treibel WA 1/28)
- 11895 **BRAZIL LVB Mundial** in PT 1420, sports, cmntry, ads, ID with mx jingle (Eramo ARGEN 2/4)
- 11910nf **GERMANY R Swiss Int** relay Jülich in AR/EG 2000, fqy, sked, ID, financial nx (McGuire MD 1/18)
- 11915 **BRAZIL R Gaucha** in PT 0920, call-in pgm, g, //6020 stifled by R Australia (Lineback KS 1/24)
- 11920 **THAILAND VOA** relay Udo Thani in EG 1836, sports pgm, ancmts, ID, f (Serra ITALY 1/20)
- 11925 **BRAZIL R Bandeirantes** in PT 2328, US hits of 80's w/DJ, nx rpts every 20 mins, weak but clear sig (Brouillette IL 1/30) in PT 0927, ads mentioning Sao Paulo, g (Lineback KS 1/24)
- 119404 **CAMBODIA Nat V of Cambodia** in lang 1227, SEA vocals, ID 1230, sig tune, tlk (Rippel VA 1/31)
- 119548 **ANGOLA R Nac de Angola** in PT 0345, pop mx include "Macarena", pips, nx, ments of Luanda, ID at 0408 "Radio Nacional de Angola", fair, hrd almost daily (Brandt NJ 1/22, Brouillette IL 2/2)
- 11990 **KUWAIT RK** in EG 1805-1900, AR mx, brief nx, ID, features (McGuire MD 2/7, Newbury NE 1/24)
- 11995 **PHILIPPINES FEBC** in EG 1307, C&W mx, interviews, QRM from usb signal (Fine VA 1/23)
- 120046 **TUNISIA RTV Tunisienne** in AR 2311, nx, many items on Iraq, vp (Brouillette IL 1/30) in AR 0420, man and woman anncng many songs, f-g (Wolf OH 1/28)
- 12025nf **PHILIPPINES VOA** relay Tinang in EG *1800-1830*, interview of actor speaking in RS, call-in from listener in Egypt, ID, fqy, sked offer (Treibel WA 2/10)
- 12085 **MONGOLIA V of Mongolia** in EG 1226, mx, IS, ID, instrumentals, nx, f-g (D'Angelo FCDX-PA 2/8)
- 13650 **GERMANY R Vlaanderen Int** relay Jülich in EG 1743, "Brussels Calling", weak (Krause OH 1/11)
- 13650 **JAPAN NHK Tokyo** in CH 2236, long piano sel, NA, tlk in CH, //9560 stronger (Costello NJ 2/14)
- 13670 **NETHERLAND ANTILLES R Vlaanderen** relay Bonaire in EG 2230, world nx, "Focus on Europe" tlk on tourism, feature on child exploitation (Bauernhuber NY, Pasquale PA, Newbury NE)
- 13675 **UNITED ARAB EMIRATES UAE Radio** Dubai in AR 1418, Koran reading, Mideast mx, tlk, f-p (Bueneman MO 2/18) in EG 1612, mostly tlk, f, //15395, 15345 (Ziolkowski NY 1/31)
- 13685 **SWITZERLAND SRI** in IT 0900, ID, nx, mx breaks, "Magazine" feature, //9885 (Serra ITALY 1/20)
- 13820nf **GERMANY RTBF** French Lang Net relay Jülich in FR 1707, tlk, mixing w/R Marti (Brandt NJ 2/7)
- 13820 **CUBA Jammer stn** - bubble sound effectively obliterating R Marti xmsn to Cuba (Bueneman MO 2/18)
- 15050v **COSTA RICA RFI** in EG 2115, tlk on God giving us strength to survive cancer, f (Bauernhuber NY)
- 15165 **SAUDI ARABIA BSKSA** Riyadh in Somali 0405, prayers, Mideast mx, tlk, exc (Witham HI 1/17)
- 15170 **FRENCH POLYNESIA RFO Tahiti** in FR 0239, island pop mx, tlk, solar flux 178! (Costello NJ 1/23)
- 15190 **PHILIPPINES R Pilipinas** in lang 1930*, continuous mx, ID, sked, fqys, abruptly off (D'Angelo 2/9)
- 15210 **FRANCE R France Int** in EG 1700, rpt on Serbian attack on Kosovo, Afr & nat'l nx (McGuire MD)
- 15240nf **MOROCCO VOA** relay in EG 2200*, "News Now", ID, sked before sign off, f (McGuire MD 2/2)
- 15275nf **SWITZERLAND SRI** Sottens in IT/AR/FR 1628, new fqy s/on w/familiar bells IS, ID in EG, into IT at 1630, AR 1700-1800, and FR 1800-1815 sign off, //Jülich relays 6165, 9620 hrd (Treibel WA 1/6)

- 15330 **GUAM KTRW** *Trans World R* relay in EG 0830, relig sermon & songs, ID, QTH (Serra ITALY 1/20)
 15390 **ROMANIA RRI** Bucharest in EG 1310, nx re NATO meeting about Kosovo, f (Pasquale PA 1/23)
 154758 **ANTARCTICA LRA36 R** *Nac Arcangel* in SP 0003, accordion & other mx, IDs 0035 & 0100, fqys, test transmission, f-p, thanks to Jay Novello for tip (Brandt NJ 2/20)
 15500nf **MALI China R** *Int* relay in EG 2110, rpt on polit status of Macao, other nx (Fraser MA, McGuire MD)
 15605nf? **AUSTRALIA RA** in EG 0715, rpt on economy of Pacific nations, ID, nx, QRM, p (Witham HI 1/24)
 15665 **NOMARIANAS KIBI** in EG 0920, relig pgm, ID, Boston QTH, sermon, f (Serra ITALY 1/21)
 17535nf **ISRAEL Kol Israel** in EG 1518, airport customs workers on strike, g, //15650 (Fraser MA 1/19)
 17560 **GABON R France Int** relay in EG 1435, ID, news on what is going on in Europe (Krause OH 1/13)
 17675 **NEW ZEALAND RNZI** in EG 0650, pgm titled "Cadenza", mx of Elgar, ID, nx, g (Witham HI 1/27)
 17825 **JAPAN NHK** Tokyo in EG 0305, Japanese seminars on new technologies, f-g (Newbury NE 1/17)
 178352 **PAKISTAN R Pakistan** in EG 0819, pop song, tk, ID in poor EG, mx & chants, f (Serra ITALY 1/20)
 21510 **UKRAINE RUI** in EG 1249, mx pgm hosted by YL, fqy lists, nice signal (Fine VA 1/23)
 21550 **CHILE Voz Cristiana** Santiago in SP 2100, ID, nx (noticias), relig tk, LA vel (Bauernhuer NY 1/13)
 21610nf **SPAIN R Ext de España** in SP 1531, "Magazine" pgm, ID 1545, //17775, 21570 (Brandt NJ 2/10)
 21700 **GABON R Japan** relay in IT 1026, IS, ID, fqys, local nx, econ cmntry, feature, f (Serra ITALY 1/20)

Clandestine, Tentatives, Presumed, or Unknown

- 6100v **ALBANIA(p) RTV Shquiptar**(t) in AL? 0745, mx, TC, one pip, ID? garbled (Brandt NJ 2/2)
 6130 **CLANDESTINE R Free Iraq** in AR 1635, mentions of Iraq, brief mx, //11915 (Witham HI 1/16)
 6230 **KAZAKHISTAN(p) Kazak R**(t) in lang? 2330, non-stop ranting by man, at 2342 switched to pgm of regional pop mx, some tk in RS (Novello NC 2/5) Hrd again at s/on 0000, low modul, IS a couple of times, long choral anthem, no ID heard, however (Novello NC 2/13)
 7000 **SUDAN(t) V of Liberty & Renewal**- Sudan Alliance Forces in lang 0415, lcl mx similar to what is hrd on the Ethiopian stations. Very strange sounding! Irregular sked it seems. (Alexander PA 1/23)
 71001 **UNIDENTIFIED** Mideast vocal at tune-in 2149, instrmts thereafter, brief ancmts, intermittent ham QRM steady from 2159, 4 pips 2200, into tk, poor modul, lang possibly AR (Hill MA 1/29)
 79999 **ERITREA V of Sudan**(t) in AR 0437, tk by OM, AR mx, f/o 0500 (Brandt NJ 1/30) sign on in AR *0401, all talk, fair signal with occasional ham interference (Field MI 2/7)
 9395 **CLANDESTINER Free Asia** in Lao 1158, vocal in lang, 1200 ID in EG, into tk in Khmer lang, fair signal in the clear (Ziolkowski NY 1/16) ED: I apologize for being unable to make up my mind as to where to classify RFA (Clandestine or regular SW section) I understand that the US Govt is cagey abt identifying the location of some of the xmtrs. Neither PWBR nor the RFA Web site are any help.
 96748 **PERU(p) R del Pacifico**(t) in SP 1112, slow SP tk, relig vocals, f/o 1137, f-p (Ziolkowski NY 1/17)
 10330 **INDIA(p) AJR**(t) in lang 1203, Hindu mx, "Akashvani" ID? 1230, Vividh Bharati pgm (Brandt NJ 2/3)
 11840 **UKRAINE(p) R Almaty** Kazakhstan relay in lang? 1202, songs by YL interspersed with anmts by OM, signal fairly clear but weak and barely readable during ancmts (Fine VA 1/23)
 11785 **IRAQ(?) R Iraq Int**(?) at 1430-1500+, Mideast mx under strong bubble jammer (Alexander PA 1/15)

NOTE: Ye olde editor expects to be in Arizona for baseball Spring training between March 19-27 so I have to complete the April column before I leave. It will be most helpful if you send your loggings directly to me via E-mail if I could receive them by the 12th or 13th of March. Likewise, for those who use the regular mail, please send your stuff in to Fred Kohlbrenner a few days earlier than usual. Thanks for your consideration in shrinking the deadline a wee bit. 73's.



Please note that the NASWA Headquarters e-mail address has changed from <boliver@blackboard.com> to <boliver@bboard.net>. This was caused by some sort of conflict with "Blackboard.net". Sorry for the inconvenience.

THE 1999 NORTH AMERICAN DX CHAMPIONSHIPS (NADXC)
A Shortwave Listening Contest Sponsored by
The Association of North American Radio Clubs (ANARC)

PURPOSE: This contest is designed to promote the shortwave listening hobby and to provide those SWL's and DXer's interested in competing an opportunity to participate in a carefully run, challenging contest.

ELIGIBILITY: The 1999 DX Championship is open to all DXer's residing in North America [as defined by the country list of the North American Shortwave Association (NASWA)]. Members of the NADXC Administrative Committee are excluded from participation.

LISTENING PERIOD, FREQUENCIES, AND TIMES: The contest listening period will begin on Friday, 19 March 1999, at 1900 EST (0000 UTC) and end Sunday, 21 March 1999, at 2359 EST (0459 UTC).

PRIZES: Plaques will be awarded by ANARC to the top three finishers. All entrants will receive a participation certificate indicating that they competed in the 1999 North American DX Championships. The certificates for the top 20 will have their place of finish in the NADXC indicated on the certificate.

SCORING: Contestants are to log as many stations as possible from as many countries as possible within the prescribed listening parameters. The **first station** logged from each country= **1 point**. The **second station** from each country= **3 points**; **each additional station** from that country= **5 points**. To qualify for the contest, each contestant must present logs of five stations from each continent (Africa, Asia, Europe, North America, Oceania and South America) as a minimum—entries without these 30 logs will not be considered. These required countries are to be counted in point totals. **Upon completion of the contest, multiply the point total by the number of countries heard to determine the final score.** For contest purposes, all clandestine stations and hobby pirate transmissions will be considered "one country." A station is a shortwave broadcaster whose transmissions are intended for reception by the general public. Each transmitter site of a broadcasting organization will count as a separate station. Different services of the same broadcast organization do not count as separate stations. Transmissions of a single broadcast organization on various frequencies may only be counted once. The use of multiple frequencies does not create as many new stations as frequencies used. For country counting and station counting purposes, the country list of the North American Shortwave Association (45 Wildflower Road, Levittown, Pa 19057) will be the sole criterion.

Each contestant is required to submit a log to include country, station, frequency, time, date, SINPO, and the basis of station identification (i.e., spoken ID, interval signal, language, program, known//frequency checked, etc.). The required five countries from each continent should be placed at the beginning of the log.

Each contestant is required to total his own entry and provide a summary of the number of countries and stations claimed to support the point totals. The receiver(s) used in the contest must also be indicated. Logs will be judged on accuracy, completeness and neatness. If the judges cannot read a log, it will not be counted for scoring purposes. The decision of the judges is final.

FEES: An administrative fee of \$4.00 plus four \$0.32 stamps must be provided for each contest entry. All entries must be postmarked by Wednesday, 1 April 1998, and sent to: **Dr. Harold Cones, Two Whits Court, Newport News, VA 23606 USA.** Checks should be made payable to Dr. Harold Cones, not ANARC or NADXC.

Contestants will be notified of the results in June, and a list of winners will be sent to each of the ANARC member clubs for publication.

Good luck from the 1999 NADXC Administrative Committee - Harold Cones, Kris Field and John Fisher.

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While the AIB is a professional association for the international broadcasting industry, we also have the SW listener very much in mind. Backed by our worldwide contacts within the industry, the AIB brings you the latest and most accurate information about how to hear the broadcasts, whether by radio, satellite or the Internet, plus news of the latest developments in the fast changing world of global radio.

Twice each year, in December & May, we publish the "Global Radio Guide". This popular, simple to use, inexpensive and highly portable listing tells you how to hear international radio transmissions in English. It is very authoritative, as all of the information is provided directly to the AIB by our member broadcasting stations.

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Six times a year we also publish our professional news magazine "The Channel". This covers the latest developments in international broadcasting in all its varied aspects - particularly programming and technology. Subscribing to "The Channel" is a must if you want the expert view on what's happening in international broadcasting today, and also get a glimpse of what the future holds.

The best information about international broadcasting comes from the AIB, and we look forward to bringing it to you. Meanwhile, visit our internet website at: www.aibcast.demon.co.uk for a direct connection to the world of global radio.

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We'd like to introduce you to the AIB's two publications with special reduced prices on the MAY 1999 edition of the "Global Radio Guide" and one year subscriptions to "The Channel". You can save 13% on copies of the Guide, and almost 10% on subscriptions for "The Channel".

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