

# The **NASA** Journal

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MARCH 2002



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# NASWA Notes

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

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Last call! The club's annual **Winter swl Festival** is rapidly approaching. In a matter of days, many club members will be gathering in Kulpsville, PA for a great two days of fun and excitement. Please finalize your plans to join the rest of us at the Fest. As usual, I look forward to seeing you there in a few short weeks.

Congratulations to **Dick Pearce**, who was the recipient of the H. John Clements Memorial Award for the year 2001, issued by the Longwave Club of America, for his fine work as editor of the *Loggings* column. The award has been issued annually since its inception in 1984. In addition, the club issued Certificates of Merit to **Dexter McIntire** and **Steve McDonald** for the first U.S. and Canadian reception of New Zealand amateurs on longwave and to **John K. Andrews** for the first transatlantic ham reception on the 73 kHz band.


The **British DX Club** has released a new comprehensive country-by-country guide to domestic and external shortwave broadcasts from Africa, including opposition transmissions to the African continent. The guide was compiled by **Tony Rogers** and can be obtained only through the club's website (<http://www.bdx.org.uk>). It is available in by-country and by-frequency formats. It can be found under the Articles index page of the website. I have obtained the guide and have found it to be accurate and a valuable addition to a shortwave listeners reference source.

**David and Jocelyne Ricquish** (David is the editor of the *Talkback* column in the New Zealand DX Times) will be heading a radio holiday tour of the great cities of Latin America in October 2002. They plan to visit

many of the radio stations heard over the years, meet local radio enthusiasts, and share company of fellow radio travelers from New Zealand, Australia, the USA, Canada and Europe. The tour is in association with the New Zealand Radio DX League. The tour is designed for DXers, shortwave listeners and radio enthusiasts and all those that enjoy the music and culture of Latin America. The full itinerary and booking conditions can be found at the New Zealand Radio DX League website (<http://radiodx.com/spdxr/dxtour/htm>) or can be obtained from Latin American Radio Tour, P.O. Box 14339, Wellington, New Zealand (e-mail: [ragusa@paradise.net.nz](mailto:ragusa@paradise.net.nz)).

Get the latest hot DX news and information from the club's electronic flash sheet newsletter edited by **Sheryl Paszkiewicz**, [spaszkiwicz@yahoo.com](mailto:spaszkiwicz@yahoo.com) (or P.O. Box 716 Manitowoc, WI 54221-0152 for non-electronic submissions). The electronic newsletter supplements the monthly *Journal* for the timely dissemination of DX loggings and breaking news. It is only available to members. Deadlines are posted in the *NASWA Flashsheet*. If you are a current member of the club and want to receive the electronic *NASWA Flashsheet* just drop Rich D'Angelo ([rdangelo3@aol.com](mailto:rdangelo3@aol.com)) a note with your e-mail address.

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

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

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OUR MOTTO IS - "UNITY AND FRIENDSHIP"

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

*Roll Call* welcomed 79 new members to the club. After a brief disagreement over editorial matters M. R. Leonhardt announced that Glenn Hauser would be staying on as *Listeners Notebook* editor. Glenn announced in *LN* that he would start a new publication to address matters no longer deemed appropriate by the club leadership. Charlie Loudenboomer was invited to contribute to Glenn's independent publication. The club printed up a fresh batch of Spanish, Portuguese and French language reception report guides taking care of all back orders. In the *Shortwave Center*, Larry Magne provided details to the ICF-5900W review that appeared in January's *Frendx*, Kim Andrew Elliott wrote about improved allocations at WARC-79 were dependent on SWL support, and Robert Fraser wrote about Reginald Fessenden, the forgotten man of radio. *Helping Hand* had Bob Hill's R-390A for sale for \$425.00 and his R-390 for \$375.00. In the *ASL Report* column, Bill Oliver notes that a record 117 countries were reported in March. Myron Smith reports contributions from 153 members for the *Scoreboard* column. Bob Padula and Richard Pistek (204) led the list with countries verified followed by Sam Barto (203), James Young (201), Bill Sparks (200), Dan Henderson (200), Al Sizer (199), Ed Shaw (199), John Campbell (196) and Marlin Field (195).

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## Musings

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

**Angela Gibson, HC4 Box 110, Doniphan, MO 63935**

I'm writing from Doniphan, Ripley County, Missouri. We're close to the Arkansas border and not much of anything else! I'm relatively new to the SW hobby, I started out several years ago listening to the scanner, and about a year ago purchased a Yaesu VR-500. I quickly discovered my little hand-held all mode receiver worked great for listening to its shortwave bands when hooked up to my crude home-made scanner antenna, which consists of cable coax run up a wooden pole with several feet of center wire bared at the top! Don't let anyone tell you those tiny all mode communications receivers are unsuited for SW listening! I've experimented with lots of home made antennas and even rigged up a "long wire" of #14 insulated wire with a BNC connector for mobile applications that works very well.

Recently, I acquired a Grundig YB 400 PE and have discovered that although the side band reception is much better than on my VR-500, mostly (in my opinion) due to the ability to fine-tune, that I can pick up all the same broadcasts with very close to the same audio quality on my VR-500 as I can get on my YB 400 PE.

Needless to say, I'm quite obsessed with my radio hobby and am listening to some type of radio communication or broadcast just about all the time. I'm a new member and was impressed with the amount and accuracy of information. I'm very much looking forward to future issues.

Keep up the good work. Angela

**Doug Robertson, 4045 Sunset Lane, Oxnard, CA 93035-3950**

It has been a while since I've written to update our members on the availability of new models of UTC watches and clocks suitable for the SWLer's wrist or shack. Time has always been of special interest to me. I'll review one catalog's worth.

KLOCKIT has added several suitable timekeepers in recent issues. Two 3¼" world time inserts have a half black, half silver 24 hour time ring for UTC in world cities. An independent setting controls the 12-hour movement with second hand. These are reminiscent of the old ICOM GC-5 clock. Independent adjustments allow for quick compensation of local time for Daylight Savings time. I chose the gold model. Its black secondhand shows well. The silver model appears to have a white second hand. Price is just \$11.95 for the quartz inserts. They are impressive and can easily be custom mounted to suit your fancy.

A similar 6½" world time insert is newly available that shows many more world cities' and islands UTC times. This quartz movement uses a clear plastic disk with red airplane for the second hand. It is also independently adjustable for DST. Price is \$39.95. KLOCKIT's phone is 1-800-556-2548.

The real sleepers in their catalog are two German Junkers universal time wristwatches with Swiss quartz movements in stainless steel water-resist cases, black or white face with leather bands. An insert dial shows a five-hour arc segment of UTC, making reading easy in reference to the minute and second hand. These watches also have an independent date window keyed to the 12 hour movement, so use date caution at 0000 hours UTC. I bought the black model at a closeout price of only \$39.95, an incredible bargain. The black face has luminous hands and numerals. The real bonus is an undescribed hack feature for the second hand, allowing stopping it at the top of the minute for exact setting to the WWV time tick. The Junkers brochure states you can stop the second hand "to save up to 70% energy"! Do the marketing people at Junkers talk to the movement buyers? It makes you wonder. Warranty service is available in America. The watch came in an impressive 4 inch diameter silver metal padded canister. The trim appearance is suitable for wear at formal dress occasions. This is no clunky aviator's watch!

Included was a full treatise in German as well as English for setting these watches. My speaking German is more fluent than my reading, so I deferred translating what appears to be the history of the Junkers Flugzeugwerke AG 1919, and their aircraft production models. Log accurate reports with UTC timekeepers!

73, Doug

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

Our third and final DXpedition of the season, and twelfth overall, to French Creek State Park is now history. This DXpedition was another Monday through Wednesday affair. Arranging for a cabin during the week is less of a hassle than weekend periods. The crew consisted of four of us: Fred Kohlbrenner, Ed Mauger, George Zeller and myself. This DXpedition saw us in Cabin #6 for the second time in a row. Due to a wild frenzy of snowfall in the early afternoon, the terrain behind the cabin made setting up a 500-foot antenna more adventuresome than usual.

Conditions the first day provided a nice opening to Africa in the late afternoon and evening but evening Latin's were non-existent for the most part. A tentative logging of Cambodia being splattered by Romania was an evening highlight. Fred set up his new telescope and immediately froze while trying to star gaze as temperatures dropped sharply after dark. We were not having a lot of success at anything in particular at this point.

The following morning saw more mediocre conditions with Fred wondering what happened to all the Latins heard when he wasn't with us the previous outing in December. Definitely further proof that the Kohlbrenner effect has a serious, negative impact on DXing activities. His telescope adventures were frosty at best thanks to the weather but there may be a future with that gadget. Conditions were marginally better that evening but nothing spectacular. Nevertheless, despite the overall mediocre conditions, George managed to log just about every clandestine station imaginable.

The final morning saw good conditions to South America with many Bolivians and Peruvians logged. Also, a nice opening to Asia brought Tibet and a Vietnamese regional to our speakers. It was these stations I was enjoying when it came time to rip down the antennas and pack up our gear until the next DXpedition.

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## Calendar Of Events

- Mar 8-9, 2002 Convention. The 15<sup>th</sup> Annual Winter swl Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin* (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 8<sup>th</sup> and 9<sup>th</sup> March 2002. Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!
- Mar 15 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: [dcsckp@aol.com](mailto:dcsckp@aol.com).
- Mar 15 Meeting. Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: [74007.3434@compuserve.com](mailto:74007.3434@compuserve.com). The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>
- Apr 12 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 [<radiuscan@siscom.net>](mailto:radiuscan@siscom.net). For additional information about MONIX, check out their web site at [<http://www.siscom.net/~mmeece/monix.html>](http://www.siscom.net/~mmeece/monix.html)
- May 3-5, 2002 Annual General Meeting.** The Danish Shortwave Club International will hold its **Annual General Meeting and DX Camp** at the Scout Camp Vardeborg on the weekend of May 3-5, 2002. The possibilities for DXing are ideal in the sand dunes at the West coast of Jutland. Further details later on.
- Aug 16-18, 2002 Convention.** The **European DX Council Conference** will be held from 16-18 August 2002 in the town of Pori, located on the west coast of Finland. Additional information about the conference will be made available through e-mail and newsgroups or can be obtained directly from Risto Hahakainu, chairman [<risto.vahakainu@helsinki.fi>](mailto:risto.vahakainu@helsinki.fi).
- Oct '02 Radio Holiday Tour.** David and Jocelyne Ricquish lead a **radio holiday tour of the great cities of Latin America** in October 2002. Plans include visits to many radio stations and meetings with local radio enthusiasts. The tour is designed for DXers, shortwave listeners and radio enthusiasts and all those that enjoy the music and culture of Latin America. The full itinerary and booking conditions can be found at the New Zealand Radio DX League website (<http://radiodx.com/spdxxr/dxtour/htm>) or can be obtained from Latin American Radio Tour, P. O. Box 14339, Wellington, New Zealand (e-mail: [ragusa@paradise.net.nz](mailto:ragusa@paradise.net.nz)).

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

# Easy Listening

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

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## Another Media Program Ends its Run

As many probably already know, Kim Elliott has changed positions within the International Broadcasting Bureau, the parent agency of the Voice of America. The *VOA* has decided not to replace Kim at this point, so Kim's 23<sup>rd</sup> February edition of *Communications World* was potentially the last edition of the program. Kim will become an analyst in the Audience Research office, which returns him to the work he was doing before he took over the *Communications World* program.

I'll miss *Communications World* the same way I have missed *Media Network* since it left the air. While I couldn't catch every week of either program, these programs succeeded in helping listeners recognize trends in broadcasting – especially international broadcasting – and kept themselves from being pigeonholed as “shortwave hobby” programs.

While one could debate the role of specialized media programs as broadcasters seek to reach a broad audience, a key dividend I have personally enjoyed with both *Media Network* and *Communications World* is the opportunity to personally meet and occasionally communicate with the producers and hosts of the series. Their insights have helped me become more knowledgeable about broadcasting, and have helped me to understand the broadcaster's perspective on international broadcasting.

I am hopeful that Kim will keep plugged into the listener community in his new position, and that he doesn't disappear into the bowels of the IBB bureaucracy.

Kim appears to be returning to Audience

Research at a good time; I recall an edition of Radio Australia's *Feedback* program a few months back where their director of audience research stated that the *VOA*'s interest and capabilities in audience research had eclipsed the BBC's long-standing leadership in this function. I'm sure many of you would add your voices to mine in wishing Kim well in the years ahead.

## So, Is the Sky Falling?

Unfortunately, Kim's announcement has spawned a now-predictable lamentation that the use of shortwave is rapidly coming to an end. We were through this already in January, when I highlighted some of the accomplishments and setbacks of 2001. Despite the attention focused on losses when they occur, there is clearly a set of broadcasters who still value shortwave as a key component of how broadcasters will reach North American listeners.

Andy Sennitt, on the *Radio Netherlands* website, recently editorialized on this subject. With his permission, I'll include key comments here. I've edited them to fit the space; you can read them in their entirety at URL <http://www.rnw.nl/realradio/features/html/editorial.html>.

*I think the trend is becoming clear: the Internet is now being used as a convenient excuse to cut costs, under the pretence of following the market. It assuages the consciences of those who make such decisions to imagine that they are not, after all, depriving people of a service they have come to depend on. It's rather like the manufacturer of a cheap automobile ceasing production and telling people "never mind, you can still get around if you buy a Rolls Royce".*

*On the other side of the coin, shortwave listeners are becoming paranoid. Every little change, even the career moves of individuals, are analyzed and questioned as if they are part of some great plan. Everyone, it seems, is a conspiracy theorist nowadays.*

*Let's be rational. Since 11 September, there has never been more need for the nations of the world to communicate with each other. The Internet may have expanded at a fantastic rate, but it can still only handle a few per cent of the traffic that would equate to the size of audiences enjoyed by international radio broadcasters. As long as that's the case, there isn't much prospect of Radio Netherlands switching off its shortwave transmitters for good.*

*Everything has its place. I believe that the Internet is a valuable element of the production mix at Radio Netherlands. It enables us to offer some of our best programs on demand, enhance radio documentaries with graphics and video, and offer material that could not be fitted into a limited-time radio broadcast. But to say it's a replacement for radio is to miss the whole point. The audiences already know that. It seems that some of the broadcasters have still to learn.*

Even the BBC World Service, the favorite target of our venom in 2001, hastens to remind us they're building new shortwave infrastructure to serve South Asia and Africa.

Shortwave for us North American program fans is not dead, not by a longshot. Add in the promise and potential offered by Digital Radio Mondiale, and shortwave clearly has a future. Yes, it will continue to evolve, but that's life.

## Radio Australia Schedule Changes

Speaking of evolution, the new year brings about schedule changes and new programming from **Radio Australia**.

**All In The Mind** is a new science program that replaces **Ockham's Razor** in some portions of the Radio Australia schedule. Presented by Natasha Mitchell, this is the ABC's new weekly foray into the mental universe, the mind, brain and human behavior - everything from addiction to artificial intelligence, coma to consciousness. **All In The Mind** airs on shortwave Saturdays 2305 UT and Sundays 0330 UT. Happily, the program is also available on-demand via the Internet at the domestic **Radio National** website, <http://www.abc.net.au/rn/science/mind/>.

**Ockham's Razor** will air Sundays at 0034 and 0064 UT.

**Arts Talk** will disappear from the schedule 0130 Saturdays, to be replaced by two new 15-minute features packaged into a program titled **Radio Australia Arts**. One of the two features is called **The Makers**, and follows the creative process as artists, musicians, directors and performers struggle to give their ideas form or to re-work and re-interpret existing material. The other segment, **The Movies**, will review cinema's latest as well as interviews and features with film directors, critics, commentators and performers.

**Melisma** has been replaced by **Nocturne** Saturdays 1500 UT. This is Mari Nicolson's new music program, designed for late night listening in the Pacific. The program plans to be an artfully arranged selection of music from around the globe and across the centuries; from ancient indigenous and folk music, through to innovations in jazz and contemporary chamber music. Expect to be taken 'off the beaten track' with unexpected stopovers in unusual places. Each week there'll be a featured vocalist, poetry, film scores and occasional interviews.

## Radio Taipei International

Ted Schuerzinger passed along an interesting program suggestion in the *swprograms* e-mail group: *Instant Noodles*, featuring news of the bizarre, weird, and stupid. It airs Thursdays, 15 minutes into each broadcast. North American releases are at 0200, 0300, and 0700 UTC.

Meanwhile, **Radio Taipei** also airs a week-end edition of the **Radio Australia** program *Asia Pacific* at 0330 UT Sundays.

As you may know, Radio Taipei programs are available for on-demand download as of 1800 UT. Each day's program is available for 24 hours. It appears these programs are available via the Internet before they are aired on shortwave, but you'll have to see for yourself. Many broadcasters use local days in their schedules, not strict UTC days; I'm not sure which way Radio Taipei International does things.

## BBC World Service Highlights

Sunday, March 10<sup>th</sup>, 0000 UT, repeated the following Monday, 0630: *Play of the Week* features *The Best of Second City*, produced by the LA Theatre Works. The production includes vintage sketches and new material, performed by current members and distinguished guest alumni.

Monday, March 11<sup>th</sup> marks the annual *Commonwealth Day Observance* broadcast, this year entitled *Celebrating Diversity*. Airls to all regions at 1515 UT.

Fridays, 0230 and 2130, plus Mondays, 1530, beginning March 8<sup>th</sup>: *Global Perspective* is a four-week 30-minute series airing in the *People and Places* program slot. This features several world broadcasters—including the **BBC World Service**, **Radio Netherlands**, **Radio TV Hong Kong**, **Australia's ABC**, and the US-based producer, *Soundprint*, each producing a different segment on the impact of globalization in their various countries. There are five broadcasters listed, but the series is only scheduled to run four weeks.

Tuesdays, 0045, repeated Wednesdays, 0430, beginning March 12<sup>th</sup>: *Happiness* is a three-week 15-minute series airing in the *Patterns of Faith* program slot, looking at how the world's religions address the concept of happiness, and how those views contrast with scientific, secular views on happiness.

Saturdays, 0230 and Tuesdays, 1530, beginning March 16<sup>th</sup>: *French Transformations* is a new four-part 30-minute series airing in the *Essential Guide* featured program slot. The series homes in on the paradoxes and peculiarities of a nation redefining itself at the beginning of the 21<sup>st</sup> century. Business, politics, and culture are featured on individually themed programs.

Tuesdays 0305 (time tentative), beginning April 2<sup>nd</sup>: *The Hitchhiker's Guide to the Galaxy* returns for a twelve-part airing in the *Light Entertainment* program slot. As a tribute to Douglas Adams, the writer behind the series who died in 2001, the World Service is repeating the series. Note that the time slot is simply a guess—the semiannual schedule adjustment happens March 31<sup>st</sup>, and my notes from last year suggest this will be the time for the *World Insight* program block.

## The Winter SWL Fest Is Nigh

If I read the calendar correctly, most of you will receive the *March Journal* a couple days before departing for the annual gathering of the faithful and fanatic in Kulpville, PA. Every indication is that this year's Fest—the 15<sup>th</sup>—will be as much fun as the prior 14. You'll see me and co-conspirator John Figliozzi hanging around the registration table and/or the hospitality room much of the time; please take the time to look me up and let me know what you'd like to see in coming editions of the column.

See you at the Fest!

73 DE Richard



# Shortwave Center

Jerry Lineback • 506 South Lawrence Avenue • Scranton, KS 66537 • [jalinebk@satelephone.com](mailto:jalinebk@satelephone.com)

## Review: WRTH 2002

Reviewed By Bob Padula, Chartered Professional Engineer, Melbourne, Australia  
[bobpadula@bigpond.com](mailto:bobpadula@bigpond.com)

*World Radio TV Handbook* (Volume 56—2002)

Editor in Chief: David Bobbett

[editor@wrth.com](mailto:editor@wrth.com)

<http://www.wrth.com>

Publishers:

UK—WRTH Publications (ISBN 0-9535864-2-1)

USA—Watson-Guptill (ISBN 0-8230-5933-2)

Germany—Gert Wohlfarth GmbH (ISBN 3-87463-323-3)

UK Cover Price: 19.95 Pounds; 145mm x 230 mm; 680 pages (72 full colour)

Published December 2001

### An Australian Perspective

The *World Radio TV Handbook* (WRTH) is descended from the *World Radio Handbook*, with the first edition appearing just after the end of World War 2, edited in Denmark. I bought my first copy in 1953 as a 13-year-old schoolboy, and can recall being punished for secretly reading it during class! It was my main introduction to world radio, and I have kept every edition since 1965.

In those early days, WRH became available each year well before Christmas, containing the Winter schedules. There was also a "Summer Supplement", which came out midyear, offering updated SW schedules and current LW/MW listings.

To support WRH, there was also *How to Listen to the World*, an annual publication, which ran for many years, and later merged into the WRTH. I was a regular writer for HLTW and WRTH, producing illustrated technical

articles on SW and MW reception from Australia, the content of which remains relevant to this day.

In later years, there has been enormous instability with WRTH: editorial ownership, marketing, and publication management has been subjected to considerable instability, impacting negatively on content, accuracy, and newsworthiness. A new WRTH organization was put in place some three years ago, which resulted in extensive public criticism of content; the imperfections of the product have since been acknowledged by WRTH management, who have put in place new initiatives to uplift overall accuracy and timeliness.

Unlike the early years, WRTH found itself facing strong competitors in the 1990s, all offering alternative products covering similar fields. Its image has not been helped by the availability of the Internet, which has facilitated global publication of many negative "reviews" of WRTH, often written by people with inadequate journalistic skills or monitoring experience, viewing WRTH as a product to attack, but neglecting its many strengths.

Many critiquers, believing that the WRTH should be 100% accurate across its wide area of editorial coverage, fail to acknowledge that the product is a "Guide", and that assembly requires several months of preparation and complex coordination.

As for all products, it is customer acceptance which will determine its future. The mark of business success for this book is based on sales: will first time users buy and return, and will past customers buy? The negative views of some mouse potato posting inane comments about WRTH on an Internet site

are irrelevant. Indeed, valid criticism is vital, but should be directed to the WRTH management in the first instance—there is a pullout questionnaire in the book for that very purpose!

## Coverage

WRTH markets itself as “the world’s most comprehensive and up-to-date Guide to broadcasting”, and “continues to be the guide for the serious radio listener”.

Its coverage is large, looking at broadcasting on longwave, shortwave, mediumwave, VHF-FM, and TV. It excludes non-broadcasting stations.

The page allocation for each theme is as follows:

- § National Radio in Country Order 332
- § International Radio in Country Order 91
- § National Radio—Frequency Lists by Region 73
- § World Television in Country Order 36
- § SW Stations of the World—by Frequency 32
- § Receiver Reviews 24
- § International Broadcasts in English, French, German, and Spanish—by time 17
- § World and Continent Maps 13
- § Abbreviations for Transmitter Sites, ITU Country Codes, Target Area Codes 6
- § Digital Broadcasting 4
- § “Hate” Radio 3
- § Monitoring Clubs 3

- § The BBC 2
- § Longwave Broadcasting 2
- § HF Reception Forecasts 2
- § World Frequency Chart 1
- § How to Use the WRTH 1
- § World Time Zones 1

Full-page advertisements take up 17 pages, plus three covers.

The alphabetical sections provide an enormous amount of data supplementing the basic schedule information, including personnel, electronic/Web/postal addresses, telephone/FAX contacts, announcements, future plans, programming, slogans, networks, transmitter sites, languages, and QSL policies.

## Clandestine Broadcasters

An innovation this year is the extensive information about what are shown as “Clandestine” broadcasters, listed in the International Section by country. This categorisation is based on a judgement of the intended reception area, which may not necessarily be the country of the transmitter. Large numbers of such broadcasts targeted for Iraq, Iran, Cuba, Ethiopia and Somalia are shown, but very few broadcasting to Asian audiences.

Purists may object to WRTH’s “lumping” clandestine activities with “conventional” broadcasters, and the “Clandestine” descriptor now includes several programs hiring time over major international broadcasters, such as Radio Free Vietnam, Que Hong Radio, Voice of Democratic Eritrea and the Voz del CID. Indeed, there has been a blurring of the term, with all manner of “clandestine” broadcasters now openly hiring airtime over international broadcasters!

## Receivers

We learn that there continues to be a decline in the rate of introduction of new SW receivers, with main constraints cited as increased growth and acceptance of satellite and Internet broadcasting technology. We are informed that amateur transceivers offer good value, due to development and design costs being amortised across a relatively large, defined, and generally stable market.

We are advised that small portable receivers continue to retain a strong market niche, with positive reviews of the AT909, ICF-7600GR, and the Sony ICF-SW07.

We read that very few "wide range" (scanning) receivers are suitable for serious SW monitoring, and the review suggests that coverage of these devices below 30 MHz is an "add-on", rather than an intentional design feature. New receivers are examined—from Hitachi and Sanyo, with some reservations in terms of coverage and capability to tune in to terrestrial broadcasts. We are reminded that a new generation of less expensive receivers will appear in due course.

## Digital Radio

We note that global development work is continuing for the introduction of the Digital Audio broadcasting (DAB) standard as a replacement for traditional FM, but a complementary medium is needed for migration of conventional AM services. Digital Radio Mondiale (DRM) is indicated as the ultimate transition standard for all broadcasting services below 30 MHz, but we learn that its rate of introduction is not consistent with the roll-out timetable set up by the DRM Consortium of 39 organizations.

## Longwave Radio

Here in Australia, we don't hear too much about LW broadcasting. This is not authorized by the ITU for Australia, but in other parts of the world, it's a different picture. WRTH

tells us that there are about 70 LW stations on the air, in Regions 2 and 3, transmitting from Europe, the Middle East, North Africa, Central Asia, and Siberia.

It is well known that LW transmissions provide very good and reliable ground wave coverage over a large distance. WRTH informs us that there has been renewed interest in LW broadcasting in Europe, marked by the reactivation of a station in Norway and by Atlantic 252 (a joint venture between RTE and RTL). Major limitations to new development have been objections from local communities to the construction of the very large antenna arrays in heavily populated areas, and one company is proposing to set up a LW station offshore, 34 km from the Dutch coast.

## Broadcasting Support

Apart from a few advertisements, I was disappointed that WRTH has chosen not to publish contact details about major engineering organizations, regulatory bodies, associations, and professional consultants servicing international or national broadcasting. These would include the ITU, HFCC, FCC, Australian Broadcasting Authority, Australian Communications Authority, EBU, ABU, ASBU, AIB, DRM and NAB, to name only a few, without which world broadcasting could not exist. Hopefully, this limitation will be corrected for the 2003 edition.

## Hobby Clubs

The number of clubs listed in WRTH is declining rapidly year-by-year, due to the reducing need for these kinds of organizations, resulting from changed community lifestyles, alternative leisure pursuits, the impact of the Internet and the computer, and the enormous number of free Internet-based "Lists" and "Groups" now available. The entries reflect the global and regional rationalization which has occurred, and will continue, in some countries, where many clubs have disappeared, and others have amalgamated.

The listings reveal that many clubs now offer supplementary Internet services to their members, and some associations no longer provide printed materials in any form, relying only on the Internet for information exchange.

## Content

WRTH contains an enormous amount of information. Some users, however, may disagree with the policy of dividing the entries into "national" and "international" sub-groupings, or of showing "Clandestine" broadcasters within the "target country".

The increasing trend for globalization of international broadcasting creates problems in categorizing large broadcasters which may be corporately located in one country, but whose transmission delivery facilities are scattered worldwide. This is noted for some of the religious broadcasters, such as Adventist World Radio, Trans World Radio and Far East Broadcasting. The WRTH has adopted its own in-house standards, which have to be responsibly understood for efficient use of the book, even though those editorial classifications may not be acceptable to some readers.

I believe that usefulness of the International Section would be enhanced by the addition of a list of "Broadcasting Organizations", cross-referenced to the relevant pages, which I believe could be provided in future editions without too much difficulty.

## Relay Facilities

WRTH reveals the growing trend for many broadcasting facilities to be leased to organizations with necessary program production capability, financial resources, and interconnectivity, in using spare transmission capacity made available by the scaling-down, or closure, of services from the "parent" country. There is also a marked increase in reciprocal broadcasting, or facility sharing.

We learn that reciprocal, and/or leased relays,

now include facilities located in South Africa (Meyerton), Australia (Darwin), United Arab Emirates (Abu Dhabi), Austria (Moosbrunn), Madagascar (Talata), Germany (Julich and Wertachtal), Uzbekistan (Tashkent), Singapore (Kranji), Taiwan (Taipei), Canada (Sackville), Albania, China (Xian and Beijing), French Guiana (Montsinery), Gabon (Moyabi), South Korea (Kimjae), Sri Lanka (Trincomalee), Sweden (Horby), UK (Rampisham, Skelton, Woofferton), Thailand (Udorn, and Nakhon Sawan), USA (Delano, Greenville, Miami, Okeechobee, Nashville, Hawaii), Japan (Yamata), Italy (Roma and Milano), Philippines (Palauig), Vatican, Russia, and France (Issoudin).

## National Radio

The steadily decreasing migration of SW services to MW and FM for domestic coverage is reflected particularly in the African and Asian entries. The Indonesian listings now show less than 20 active SW broadcasters, and many African countries no longer provide any domestic SW services at all.

## Timeliness

Significant public criticism of previous editions focused on shortcomings for information contained in the international section, due to the failure of some broadcasters to supply information by the deadline date, and to inadequacies in the national radio entries for the Asian region.

In acknowledgment of those limitations, WRTH has now placed tags against schedules which were not current at the time of publication. Ignoring Clandestine broadcasters, there are some 120 international stations listed, with the B-01 (winter) schedules of 25 shown as "not available".

Not all readers buy WRTH only for its current international schedules. If readers are prepared to accept a 20% "information-not-available" error level for this information, then well and good! However, some readers may regard these omissions to be

inconsistent with the WRTH's claim to "up-to-dateness", even though it is implied that these inaccuracies are outside of its control.

WRTH now lists about 100 "major contributors" who supply information, across all coverage categories, but their locations are not specified. Regrettably, the Australian national radio entries and corresponding frequency listings are hopelessly outdated and misleading, giving the impression that these entries have been assembled by people possessing little familiarity with this important and growing field.

## Overall

From my viewpoint as a professional communications' engineer, technical journalist, and long-time monitoring hobbyist, I believe that the WRTH is moving in an encouraging direction. Its market is large and diverse, being read and used by hobbyists, engineering consultants, broadcasters, frequency planners, media producers, travelers, and anyone else with

an interest in world broadcasting.

With such a broad community of interest, compromises have been made in terms of content, coverage, layout, and timeliness, and readers should acknowledge those constraints. If users require detailed current information on specialist/particular topics, there are other hard and soft-copy publications available, and the Internet.

The most important feature of WRTH is that it is a "Guide", and that "most everything" is available in a single volume. I always have the manual available for ready reference, as I have done for some 40 years! It sits alongside other radio-related references.

In closing, let me suggest that no information-based publication, such as WRTH, can ever be 100% correct, as we all live in an imperfect world! What I see with WRTH is positive, and credit must be given to its management team for the new direction being taken, its initiatives, and responsiveness to reader feedback, previously sadly lacking.

# The Early Days of Radio Broadcasting

By George H. Douglas

ISBN: 0-7864-1199-6

McFarland Classics

Reviewed by Richard A. D'Angelo

Precisely how and why radio developed as it did is a fascinating story, which the author addresses with great authority. This book is of interest to both the specialist and the general reader. This history of radio broadcasting concentrates on the years between 1920 and 1930 in the United States when radio was rapidly growing and changing. It covers all important areas in the development of the radio industry: business, programming, regulation, finance, the manufacturing of radio sets and equipment, the development of technology, the rise of radio networks, and the flowering of radio as a medium of entertainment and news.

*The Early Days of Radio Broadcasting* is an informal history of the early years of radio broadcasting in the United States. Occasional reference is necessarily made to the infant years of radio before 1920 and to the great golden age of radio that began about 1930. However, for the most part the fascinating period of 1920-1930 is the focus of the book. The author concentrates on the 1920's to concentrate more sharply than earlier histories on the years when radio was rapidly growing into a large American industry. This gave him the ability to deal with as many aspects of this growth as possible in some depth to adequately convey the development of early broadcasting in the United States.

By covering the gestation years of commercial broadcasting, the book teaches a great deal about the style and cultural significance of present-day radio and television. Radio could have developed along different lines

such as the public monopoly status it enjoyed in many other countries. Program offerings may have been better or worse but surely they would have been different in either case. The story, as told in this interesting book, precisely covers how and why radio developed the way it did in the United States.

The book takes the reader back to the earliest days of radio and the founding of KDKA. It follows radio as it grew from its formative exploration years looking for a serious role to fill before it became a serious entertainment and information business. It tracks the early growth in advertising and the development of radio news. The formation of networks and the use of sportscasting and the spotty record of educational broadcasting are covered. The early days of radio featured many forms of music from classical, to jazz to pop and country. As formats developed the broadcast day slowly expanded. Finally, the book takes us through the development of one the radio industries most famous of its early shows, Amos 'n' Andy. The decade of the 1920s saw radio develop from a mere amateur pastime into a full fledged business and entertainment medium. No other decades in the years since its founding were as explosive as the 1920s. Douglas' work deserves serious attention because of the importance this period of time had on radio broadcasting development as an institution in American culture.

George H. Douglas is a retired English professor who has written a number of books

about American people and places. He is the author of *Skyscrapers: A Social History of the Very Tall Building in America* (1996). He lives in Champaign, Illinois.

*The Early Days of Radio Broadcasting* by George H. Douglas is a 256 page, softbound (5.5 x 8.5-inch) book, with illustrations. This edition of *The Early Days of Radio Broadcasting* is a reprint of the bound library edition that was first published by McFarland and Company in 1987. It is available direct from the publisher's McFarland Classics (McFarland & Co., Inc., Box 611, Jefferson, NC 28640) for US\$25.00 plus US\$4.00 shipping and handling in the United States and US\$6.00 elsewhere. Also, orders may be placed by telephone (1-800-253-2187) or FAX (1-336-246-5018) or through the publishers' website <<http://www.mcfarlandpub.com>>. Orders can be charged to VISA, MasterCard, AMEX, or Discover cards.

*The Early Days of Radio Broadcasting* by George H. Douglas provides a fascinating perspective on the development of early radio broadcasting in the United States. The book concentrates on telling the story in narrative terms with a strong emphasis on the human drama involved. The author does an excellent job of covering the territory in considerable detail without sacrificing continuity and drama. Although radio is not just an American phenomenon, the history of radio in the United States is a great story bringing back nostalgia for moments of special genius during an exciting period of history.

## Articles Wanted

Ye editor needs long and short articles on subjects suitable for *Short Wave Center*. You are letting Rich and Bob have all the fun. Put on your thinking cap and share your experiences and thoughts with all of us. E-mail the results to me at <[jalinebk@satelephone.com](mailto:jalinebk@satelephone.com)> or, if all else fails, mail em to 506 South Lawrence, Scranton, Kansas 66537.

Well, the other shoe has dropped. We read that All India Radio's long term plans

involve replacing regional SW stations with FM over the next 10 or so years. Now there are only 8 or 9 PNG stations still active on SW. Not too much exciting on the lower bands the past couple of months. Since my work place moved to downtown Topeka, I have to leave about 7 AM and have been missing the sunrise peak. Sunrise is gradually creeping earlier now.

Well, for another month, 73 de JAL



# Equipment Reviews

Alan Johnson • 2490 Sharon Way • Reno, NV 89509 • alanjohnson@gbis.com

## The Ten-Tec RX-350 DSP Communications Receiver

I have been eagerly awaiting the release of this radio, having had experience with both the RX-320 computer controlled receiver and the RX-340 professional grade receiver. For several years, Ten-Tec has been making a computer controlled transceiver, the Pegasus, for the ham market. They then developed the Jupiter, which is essentially a Pegasus with front panel controls and display. The RX-350 is based on the Jupiter transceiver, but has several control and software changes to make it more applicable to the needs of the shortwave listener. One very interesting feature of the receiver is the ability to update the radio's software via the Internet—essentially rebuilding the radio with just a serial cable and an Internet connection. The radio sells for \$1199, with the optional 302 remote tuning knob/keypad available for \$139. The manufacturer provides a one year warranty.

The RX-350 is a general coverage receiver with a frequency range of 100 kHz to 30 MHz. Demodulation, filtering, passband tuning and AGC are all done by digital signal processing. In addition the DSP functions include an automatic notch filter and adaptive noise filtering. Reception modes supported are AM, sideband selectable synchronous AM, USB/LSB, CW (700 Hz BFO offset) and Digital (1000 Hz BFO offset). The receiver has 34 available IF bandwidths ranging from 300 Hz to 8 kHz with shape factor 1.5:1 or better at the -6 and -60 dB points. Specific filter values are 300 Hz, 330 Hz, 375 to 750 Hz in 75 Hz steps, 750 Hz to 3 kHz in 150 Hz increments, 3 kHz to 6 kHz in 300 Hz increments and 8.0 kHz. SSB sensitivity is rated at 0.35  $\mu$ V for a 10 dB S+N/N ratio. AM sensitivity is not rated, but a noise floor figure of -126 dB @ 3 kHz BW is quoted in

the specifications. Third order intercept is specified as +10 dBm with a 90 dB dynamic range with the 3.0 kHz filter with 50 kHz signal spacing. The radio is a triple conversion design with intermediate frequencies of 45 MHz, 455 kHz and 12 kHz—the final conversion being for the DSP circuitry. The DSP processor is a 16 bit unit running at a clock speed of 30 MHz. Image and IF rejection are quoted as 60 dB typical. No ratings for ultimate rejection are given. The receiver may be powered from 110 VAC at 50-60 Hz or from a DC source of 12-14 volts at 1.5 amps.

A very comprehensive manual is provided, which provides clear, detailed explanations of all the receiver's functions, as well as an introduction to shortwave listening written by the late Joe Carr. I found a couple of errors in the manual regarding the micro-processor reset procedure and the remote encoder function button assignments, but those were all that I found. It's nice to have a manual written in native English, rather than translated Japanese! A separate programmer's reference guide for computer control is available on-line at Ten-Tec's website. I am not aware of any available third-party control software for the RX-350 at this time.

### A tour of the RX-350

The RX-350 is a full-size desktop receiver, measuring 5 x 12.125 x 13 inches (HxWxD) and weighs in at 12 pounds. There are lots of pushbuttons on the front panel, but the size of the radio makes them well-spaced and easy to use. The buttons have a positive feel and a tactile click when activated. The front panel is dominated by the large LCD display which measures 4 3/4 inches wide

and 2½ inches high. The display displays in black characters against a green backlight with adjustable contrast. The display shows just about everything—frequency, mode, bandwidth, AGC, VFO, tuning step, S-meter and both time (12 or 24 hour format) and date—all simultaneously! In memory mode, the display shows the channel number, stored frequency and an alphanumeric label which can be up to 15 characters long. The lower portion of the display is used for the spectrum sweep display, which shows signal activity over a selected portion of the frequency spectrum. When the spectrum sweep is not activated, the bottom of the display shows a bar graph indicating the AF or RF gain level.

On the left-hand side of the panel are the rocker switch for Power On/Off/Timer and two ¼ inch phone jacks for headphones (stereo or mono) and line out. Next to the right are the buttons for auto notch (AN) and noise reduction (NR). Below these buttons are rotary knobs for Bandwidth, Passband Tuning and the "Multi" knob, the exact function of which is menu driven. Above the display are the mode select buttons—Sync AM, SSB, CW/Digital and AM/FM. Below the display are two banks of push-buttons. The top row are: ALT (for alternate button options), AGC, Squelch, Passband Tuning, Timer, Tag and Menu. The bottom row (with alternate selection in parentheses) are: Memory Store (Memory Channel Skip), Memory Channel (Bank Select), Scan (Attenuator) and Step Size (Clear).

To the lower right of the display is a large tuning knob with spinner indent and rubber cushioned rim. Below and to the right of the tuning knob is a LOCK pushbutton to disable the tuning knob. Above the tuning knob are six pushbuttons (ALT selection in parentheses): VFO, which returns the radio to VFO mode from Memory mode, SWEEP, Band Down (VFO A=B), Band Up (VFO A/B), Fast Down (Fast Set) and Fast Up (Clock Set). On the far right of the panel are indicator LEDs for RXM (? remote computer control—not mentioned in manual), Timer and Squelch. Below these indicators are pushbuttons to

assign either RF or audio functions to the rotary gain control below them.

## The back panel

The back panel is loaded with jacks for various functions. There is a SO-239 coaxial jack for a 50 ohm antenna and spring clips for a 450 ohm antenna, along with a slide switch to select between the two. The spring clips for the High Z antenna are not labelled—I assume that the red terminal is the antenna and the black one is for ground. Beneath the antenna connectors are screw terminals for the timer relay. The relay can switch 120 volts AC at 2 amps. The AC input is a standard computer type three conductor socket—a detachable AC cord is supplied. The DC input for 12 to 14 volts DC is a two pin type—a mating plug and connector pins are supplied. Both an AC and a DC supply (battery) can be left connected to the receiver and if the AC power fails, the radio will automatically switch to the DC supply. There is a DB-9 connector for the serial interface for computer control and firmware updates and a 8 pin DIN connector for the remote tuning knob/keypad. The external speaker output is a ¼ inch phone jack—note that the speaker output is isolated and cannot be connected to ground without damaging the receiver. This means that external audio devices such as filters or amplifiers with one side of the input grounded can only be connected to the line out jacks.

## Wait, there's more!

There is a cluster of six RCA jacks on the back panel that provide various control functions, such as muting for use with a transmitter, a squelch jack to control external devices when the squelch opens, a timer jack to do the same when the timer activates and a line out jack that parallels the front panel line out jack. There are also two jacks that provide 12 volts DC at 0.5 amps maximum to power outboard accessories—this is a great feature that other manufacturers should copy, since it can eliminate separate power supplies ("wall warts") for the accessories.

## Operating the RX-350

For those who are used to tuning radios via a keypad, the RX-350 takes a little getting used to. Large frequency jumps are made by using the Band Up/Down keys, which jump the radio to the next international broadcasting meter band or the medium-wave band (MW, 120, 90, 60, 49, 41, 31, 25, 22, 19, 16, 13 and 11 meters). The receiver will jump to the last tuned frequency on each band. For smaller frequency jumps, the Fast Up/Down keys can be used. These keys can be programmed (via the Alt/Fast Set keys) for steps of 9, 10, 50, 100, 200, 500 kHz or 1 MHz. The steps of the tuning knob can be set to 1, 10, 50 or 100 Hertz or 1, 5 or 9 kHz. Programming one of the function keys on the remote encoder for Step (via the Menu button) permits selecting tuning knob steps of 1, 10, 50 or 100 Hertz or 1, 5, 9, 10 or 50 kHz. This variety of tuning steps and options make it easy to jump around the radio spectrum, even without a tuning keypad.

The optional remote encoder has a tuning keypad with large buttons with very nice tactile feedback. Frequencies can be entered in either kHz (by using leading zeroes) or MHz (by using the decimal point key) format, but pressing an Enter key is required. The tuning knob on the remote encoder is the same size as that on the radio and has a nice feel. I like the near horizontal orientation of the remote tuning knob—it makes it easy to band scan when I'm reclined in my chair at the listening desk. Use of the encoder does not disable any of the controls on the front panel. The remote has three function buttons which can be programmed for step size, mode selection, VFO A/B switch or sweep. These are selected via the "Menu" key and the above selections are those that are actually available on the radio—the manual states that the options are Step, Mode, Sweep, Step Up or Step Down, which is an error. These work well, although there was some switching "chatter" when I used one of the remote's function keys for VFO A/B swapping

(this has now been corrected with Version 1.06 of the control software).

The overall usability of the front panel controls is excellent. Most of the functions are controlled by a button with only a single function, although the Mode switches step through 2 to 3 selections. Only a few controls require pressing the "Alt" key to access secondary functions. Most of these are seldom used functions such as setting the Fast Step Size and Clock. However, VFO A/B swap, Attenuator and Bank select are secondary functions which might be better made primary ones. The work around for the VFO swap is to use memory channels instead of the dual VFOs to check parallels or to use the external keypad and assign one of the function buttons for VFO swap. The Bank select may be annoying to those who use memories extensively. There are eight banks of 128 memory channels per bank—switching between banks requires pressing the "Alt" key and then the "Bank" key repeatedly for each desired bank of memories. I wonder if the software could be changed to allow for bank selection via the "Multi" knob once the "Alt" and "Bank" keys are pressed? I didn't find having to press a button to select between AF and RF gain to be a problem. I would like to be able to select a different tuning rate for the PBT—it is set to tune in 10 Hertz increments, which is relatively slow, especially since the range of the PBT is  $\pm 8192$  kHz. I think 100 Hertz steps might be more functional—perhaps a choice of steps could be added to the menu.

I like the '350's display—it shows everything! The frequency readout is large and clear, although the frequency digits "ghost" as the radio is tuned, although I didn't find this objectionable. This seems to be worse when the unit is cold. It's nice to have the time and date always visible. The s-meter is a little unusual—it's a non-calibrated horizontal bar graph along with a numeric readout of s units (which also ghost as the signal level changes). I also appreciate having up to fifteen characters available to label memory channels, which is much more

flexible than the eight available on most other radios. Labelling is accessed via the "Tag" key and performed with the "Multi" knob to select character position and the tuning knob for character selection.

## What's on the band?

The spectrum sweep function of the RX-350 is a feature that's becoming very common on ham transceivers, but has rarely been seen on desktop shortwave receivers. When the "Sweep" button is pressed, the radio tunes across a portion of the shortwave spectrum (centered on the currently tuned frequency) and a display of signal activity in that spectrum is displayed as spikes on the sweep display at the bottom of the screen. The tuning knob can then be used to tune the radio to the spikes. Available sweep widths (set via the menu) are: 240 Hertz, 2.4, 12, 24, 240 kHz and 1.2, 2.1 or 2.4 MHz. The smaller steps are too small for my purposes and I would like to see a value of 480 kHz available. The radio mutes during sweeping, but this lasts for only a couple of seconds. The spikes on the sweep display are very low—a higher display gain to make the difference between signal spikes and noise more apparent would be nice.

## Noise, what noise?

Unlike its siblings, the RX-320 and RX-340, the RX-350 not only uses DSP for receiver functions, it also provides DSP noise reduction and automatic notch filtering. These are both activated via front panel pushbuttons. The DSP noise reduction in the '350 is one of the best that I have used. It does not excessively muffle the audio (unlike the UT-106 in the Icom R-75) and does not make speech sound artificial (which some outboard audio DSP filters and the JRC NRD-545 do). Tuning with the DSP NR engaged is eerie—there's no audio output until you tune across a station. The amount of noise reduction is not adjustable, but I'm happy with the Ten-Tec engineers' choice. I am not as happy with the automatic notch—it works well against the heterodyne generated by tuning off the carrier of an AM

station with the radio in SSB mode, with a deep notch over a frequency range of 5 kHz, but under actual listening conditions on crowded bands, there were annoying heterodynes that the notch filter didn't reduce. I could deal with them only by narrowing the IF bandwidth (in AM mode) to 4.5 kHz or less. Contrary to what is stated on Ten-Tec's website, there appears to be no manual notch filter available on the radio.

## Filters galore

It's hard to describe the flexibility provided by DSP IF filtering—the range of filters available allow selecting the best balance between noise/interference rejection and signal intelligibility. The RX-350's available 34 filter bandwidths permit tailoring the filter response for any type of signal under all reception conditions. The filter selection is independent of mode, meaning that if one chooses a narrower filter for SSB, the filter selection doesn't change when switching to AM mode. Unlike the RX-340, with which I found myself using wider filter values for broadcast stations, I tended to use narrower filters on the RX-350, usually the 4.2 or 4.5 kHz values for SW broadcasts—wider filter settings usually let a heterodyne through from adjacent stations, which the automatic notch would not cancel. The filter skirts seem to be relatively sharp, but I have concerns about the depth of the skirts (or ultimate selectivity). There seems to be a good deal of low-level noise and "crud" which may be signals from adjacent frequencies sneaking in under the filter skirts, or this may be due to poor close-in (5 kHz) dynamic range (although switching in the attenuator doesn't make a dramatic difference). One technique that can be used to lower the background noise on most receivers is to reduce the RF gain, but on the RX-350, adjusting the RF gain seems to have no effect other than changing the graphical display, i.e. no decrease in signal or noise and no AGC cutoff as the control is reduced to zero. I find the lack of effect of the RF gain control to be a real drawback, which can hopefully be fixed with a software change.

## Sensitivity and overload

The sensitivity of the RX-350 using outdoor antennas was very good, although in side-by-side comparisons with an Icom R75 and Drake R8B the edge sometimes went to the comparison receivers. Signals that were not audible on the RX-350 could just be detected (but were not readable) on the Icom and Drake. When the signals were just slightly stronger, they were often slightly easier to copy on the Ten-Tec due to the variety of filter choices and the DSP noise reduction.

Some users have been bothered by images of mediumwave stations in the longwave tuning range. I am unable to comment on this, as I have an antenna dependent image problem on longwave with all of my receivers—this may be due to external rectification in some structure around my house or my use of an active antenna coupler. In any case, the RX-350 is no worse in the image department than any other receiver at my location.

## Sync detector

Although a synchronous detector is not an essential feature (especially for those who are not reluctant to tune using the ECSS method) it is nice to have, especially when it allows for sideband selection. A synchronous detector can help to reduce interference from adjacent stations, reduce the effects of fading and sometimes reduce audio distortion. When I first received my RX-350, the sync detector failed to lock on any station, including my local medium-wave stations. Version 1.03 of the software narrowed the lock range and significantly improved the receiver's ability to sync and hold lock, although the sync detector will still lose lock on some fades. The audio quality is improved when the sync detector is used (less whistle and noise) compared to regular AM detection. The sideband isolation is good, although there is a whooshing noise present in the audio when selectable sideband sync mode is used which is not present in the double sideband sync mode.


This is not affected by tuning the radio. The Drake R8B sync is superior in its ability to hold lock.

## Audio quality

I found the RX-350 to be a very listenable radio, provided an external speaker is used (I used a Drake MS-4) and a narrow enough filter is selected to eliminate heterodynes. A useful RF gain control would help reduce background noise and should make the audio even more pleasant. The DSP noise filter is a big help in all modes. Although there is no tone control as such, there is a treble boost adjustment available through the setup menu. There are three AGC choices: Fast, Medium and Slow, and all work well without pumping or distortion. As might be expected from a manufacturer of ham equipment, SSB/CW reception is excellent.

## The bottom line

I think the RX-350 shows a lot of potential. I especially like the display, the audio quality, the DSP noise reduction and the placement of a tuning knob on the remote keypad. I have some reservations about the deep skirt selectivity of the filters and the automatic notch function. There is room for improvement in the radio and the folks at Ten-Tec seem very open to incorporating user feedback into software upgrades. The price of the RX-350 with the external keypad is \$1338 (\$1199 without the keypad), which puts it head to head with the Drake R8B at \$1349 (from Universal Radio or Grove) and well below the AOR 7030+ (with NB/Notch option) at \$1790. Although the RX-350 offers many more filter values than the Drake, as well as a more comprehensive display, my opinion at present is that the Drake R8B has the performance edge for the money. Watch this space to see how the engineers at Ten-Tec respond to this challenge.

Ten-Tec can be contacted at 1185 Dolly Parton Pkwy., Sevierville, TN 37862; Info 865-453-7172. Their website is [www.tentec.com](http://www.tentec.com). 

# Adrian Peterson's Diary

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

## World War II—Japanese Stations in Southeast Asia

Back in the European era of exploration and the colonial era of expansion, England and Holland divided the Malay countries into two major segments. England assumed control over the northern areas and Holland over the southern. These days these two areas are designated as Malaysia and Indonesia, with Singapore sandwiched in between and independent in its own right.

During the Pacific war, Japanese forces moved progressively through the countries in Southeast Asia, and they added Thailand, Burma and Malaysia into their growing empire. What then, is the story of the international shortwave stations in these three countries during these dramatic years? Let's look at these stations, country by country.

### Malaya

In prewar days, the Malay peninsula and Singapore were administered by the British as the Straits Settlements. On Singapore island, four small radio transmitters were installed, two on mediumwave and two on shortwave, under the callsigns ZHL and ZHI. These two transmitters were rated at around half a kilowatt, and they issued a colorful QSL card depicting the Singapore skyline.

In the year 1940, with stormy war clouds beginning to loom over Asia and the Pacific, the BBC in London announced plans to buy BMBC, the radio station in Singapore, and install a 100 kw shortwave transmitter. The electronic equipment was sent out by boat from England, but most of it was lost when

the ship carrying the transmitter was torpedoed and sunk.

The Singapore government began work at Jurong on a new transmitter base, and they began to install two shortwave transmitters of 10 kw with the callsigns ZHP and ZHN. In 1942, the Japanese completed the construction work at Jurong and they installed two additional transmitters of 7.5 kw, one of which was transferred from the radio station on Penang island.

During the war, Singapore was on the air as Shonan Radio and it carried many broadcasts of interest to listeners in Australia and New Zealand, including prisoner of war news. Radio Tokyo announced on March 28, 1942 that Radio Shonan was back on the air. However, because of the low power of the two shortwave transmitters, this station was not noted until mid-year by the DX community in Australia, and it was November before the official government listening post near Melbourne heard this station.

Singapore was on the air as Shonan Radio for a period of three years, and the last broadcast with the Japanese identification was noted on February 3, 1945. However, this station was not reactivated under the British for another six months. The first reactivated units were on mediumwave for the benefit of the local population, and the shortwave units were reactivated early in the New Year 1946.

The shortwave station on the island of Penang was inaugurated in 1934 with a single low power unit on shortwave. The

10 kw unit was installed just before the war, and it was removed by the Japanese and taken to Singapore, leaving just the lower powered unit on shortwave in Penang. Arthur Cushen in New Zealand occasionally listened to this station on 6097 kHz for POW information, but the signal was seldom heard well.

There was also a low power shortwave unit at Kuala Lumpur, though this played no major role during the Pacific War.

## Thailand

When it became apparent that a major conflict was brewing in Asia and the Pacific, many of the international shortwave stations suddenly began to upgrade their equipment and to issue attractive QSL cards. This also happened in Thailand, which was known as Siam before the war.

Although the original shortwave transmitters near Bangkok were quite low powered, just 2.5 kw, a new international shortwave service in English was launched on October 20, 1938. This new programming from HSP5 and HS6PJ was beamed towards the United States, though there is no evidence that it was ever heard on the American mainland.


Work began on the construction of a 100 kw shortwave station at a new location, Nonthaburi, in 1941, and test broadcasts

were noted early in the following year. Soon afterwards the Japanese took over the operation of Radio Siam and a very strong signal was noted in Australia. However, it would seem that usage of the 100 kw unit ended quite soon, and the Japanese were then on the air from the two lower powered units.

On one occasion Radio Bangkok was noted calling Osaka in Japan and Berlin in Germany with a programming relay. They were heard quite frequently in both Australia and New Zealand. This station was reactivated under Thai control at the end of 1945 with two new callsigns, HSP2 and HS8PD.

## Burma

The original radio station in the city of Rangoon was allocated the unlikely callsign XYZ. It was a low powered shortwave unit. In 1941 an additional shortwave transmitter of 1.2 kw was installed, and during the war this was in use with Japanese programming beamed to Australia and New Zealand on 11875 kHz.

The Japanese occupation forces were on the air from the shortwave stations in Malaya, Thailand and Burma for a period of approximately three years, running from 1942 into 1945. Although they were heard often in Australia, New Zealand and the United States, yet again there is no record of any QSLs from these operations. 

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## Contribute!

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

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## NASWA

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

# NASWA Awards

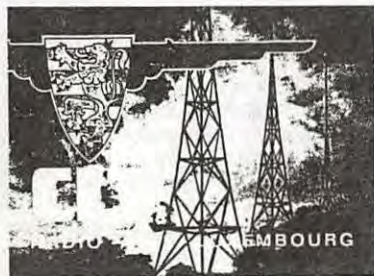
Gary R. Neal • 7410 Orchard Hills Lane • Sugar Land, TX 77479-6122 • grneal@earthlink.net

## New Master DX Centurion



*Jerry Klinck at home in his radio shack*

Every member of NASWA aspires to become a Master DX Centurion. This requires the verification of at least one shortwave broadcast station in each of 200 different broadcast countries. Only a select few have accomplished this feat. I am proud to announce that Jerry Klinck of East Aurora, NY has joined this elite group.



Lets continue on the theme of Then (1971) and Now. Then, CLT was Radio-Tele-Luxembourg. Now, it's an inactive country.

Then, RBI was Radio Berlin International from the DDR. Now, it's Deutsche Welle-Nauen from a united Germany.

Submit your award requests and you too can be the proud holder of a coveted NASWA green certificate.



### International Peace Cycle Race

Alphabetisch in der Reihenfolge der Länder  
anmelden die Welt und die Länder der  
Festland amerikanische, Antillen und  
Fremd. Die GDR immer vollständig lesen  
und Musterschritte.

International Peace Cycle Race  
Einen Monat der weltweite GDR Antillen  
anmelden eine stunde der weltweit  
welche mit Licht, Stimme und Fingern.  
Die GDR hat besonders von beiden  
Individual und die neue Version.

18 St. November  
Radio-Club/International  
17-11-1971

We acknowledge with thanks receipt of your  
GDR of 30.08.71  
at 9730 x 14 30.83  
at 01.08.71 at 01.23 cont.

We hope that you will continue to make  
and enjoy our programs.

Broadcasting Service  
of the German Democratic Republic



Mr. Gary R. Neal  
1709 Main St.  
Stratford, Conn. 06497  
USA

Until next time. 73.



# Listener's Notebook

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

**AFGHANISTAN** U.S. Military, 8700 USB, *Psyops*, 1238 Feb 20, This transmission is still heard here on a regular basis, with the same sort of format. Today, with a fairly good signal by 1300. Same type of regional mx, with M and W anncrs. Heard the W mention the words "Afghanistan," and "American" around 1250 (Hodgson-TN/DX Listening Digest/Hauser-OK)

**AUSTRIA** *Radio Africa International* schedule:

1500-1600 17895  
2200-2300 5945 6155 Sa

(Smith-NB/DX Listening Digest/Hauser-OK)

**Everest Radio** discontinued via Moosbrunn since Feb 05, due to lack of budget. (Harranth/BC-DX/DSWCI DX Window Feb 13/DX Listening Digest/Hauser-OK)

**AZERBAIJAN** The Foreign Service of *Azerbaijan State Radio* operates on 6110 kHz per the following schedule:

0315-0400 Azerbaijani  
1100-1200 Persian  
1200-1300 Turkish  
1300-1330 German  
1330-1400 French  
1400-1600 Azerbaijani  
1700-1800 Arabic  
1800-1830 English  
1830-1900 Russian

At 1600-1700 these freqs relay Relay RL in Azerbaijani. (Azerbaijan State Radio via Mauno Ritola-FIN via Bernd Trutenau-LTU/ BC-DX Jan 2/Bueschel-GER)

**BELARUS** Frequency schedule of *Radio Belarus*, including power and beam heading:

5970K 0200-0400 ES 250kW 252 deg  
6010B 0400-2300 BR1 5 kW ND  
6040H 0400-2300 BR1/Reg 5 kW ND  
6070B 0400-2300 BR1 5 kW ND  
6080K 0400-2300 BR1 100 kW 127 deg  
6115K 0400-2300 BR1 75 kW ND  
6190M 0400-2300 BR1/Reg 5 kW ND  
7105K 2000-2200 ES 250 kW 252 deg  
7110H 0400-2300 BR1/Reg 5 kW ND  
7145M 0400-2300 BR1/Reg 5 kW ND  
7170K 0400-0600 BR1 250 kW 072 deg  
7210K 0200-0400 ES 75 kW 270 deg  
7210K 0400-2000 BR1 75 kW ND  
7210K 2000-2200 ES 75 kW 270 deg  
7265B 0500-2000 BR2 5 kW ND  
7275K 1600-1800 BR1 250 kW 072 deg  
11960K 1000-1200 BR1 250 kW 072 deg

Transmitters:

B-Brest  
H-Hrodna  
K-Kalodziscy  
M-Mahliou

Programs:

BR1=Belarussian Radio 1  
BR2=Belarussian Radio 2  
ES=External Service  
Reg=Regional Service

BR1 also relays Radiostation "Stalitsa" and regional programs. BR2 also relays Radiostation "Mayak." (Nikolai Rudnev-RUS)

**BRAZIL** Here's a collection of links to web pages of some Brazilian SW stations:

3205 *Radio Clube Ribeiro Preto*—  
<http://www.clube.com.br/>  
3325 *Radio Tupi*—<http://www.tupi-am.com.br/>  
3365 *Radio Cultura Araraquara*—  
<http://www.culturafm.com.br/>  
3375 *Radio Clube de Dourados*—  
<http://www.radioclubeam720.com.br/>  
4755 *Radio Difusora de Maranhão*—  
<http://www.sistemadifusora.com.br/>  
4775 *Radio Liberal*—  
<http://www.radioliberal.com.br/>  
4805 *Radio Difusora do Amazonas*—  
<http://www.difusoramanaus.com.br/>  
4825 *Radio Cancao Nova*—<http://www.cancaonova.org.br/cnova/radio/>  
4845 *Radio Cultura Manaus*—  
<http://www.tvculturaamazonas.br/>  
4845 *Radio Meteorologia Paulista*—  
<http://www.ibinet.com.br/radioibitinga/>  
4865 *Radio Alvorada de Londrina*—  
<http://www.radioalvorada.org.br/>  
4865 *Radio Misses da Amazonia*—  
<http://www.kaleb.hpg.ig.com.br/>  
4875 *Radio Difusora Roraima*—  
<http://www.radiororaima.com.br/>  
4885 *Radio Clube do Par*—  
<http://www.radioclubedopara.com.br/>  
4905 *Radio Anhanguera*—  
<http://www2.opopular.com.br/>  
4905 *Radio Relogio*—  
<http://www.radiorelogio.com.br/>  
4915 *CBN Anhanguera*—  
<http://www2.opopular.com.br/>  
4915 *Radio Difusora de Macapa*—<http://macapa-ap.com.br/empresas/rdm.htm>  
4935 *Radio Difusora de Jatai*—  
<http://www.difusora.am.br/>

- 4945 **Radio Difusora de Pocos de Caldas**—  
http://www.difusorapocos.com.br/
- 4945 **Emissora Rural A Voz do So Francisco**—  
eMail: emissorarural@silcons.com.br
- 4975 **Radio Mundial**—  
http://www.radiomundial.com.br/
- 5015 **Radio Cultura de Curitiba**—  
http://www.grupocultura.com.br/
- 5015 **Radio Pioneira de Teresina**—http://  
www.igrejadeteresina.hpg.ig.com.br/
- 5035 **Radio Aparecida**—  
http://www.radioaparecida.com.br/
- 5970 **Radio Itatiaia**—http://  
www.itatiaia.com.br/am/index.html
- 5980 **Radio Guarajuá**—  
http://www.radioguarajuá.cjb.net/
- 5990 **Radio Senado**—  
http://www.senado.gov.br/radio/
- 6000 **Radio Guaíba**—  
http://www.guaiba.com.br/
- 6010 **Radio Inconfidência**—  
http://www.inconfidencia.com.br/
- 6020 **Radio Educadora da Bahia**—  
http://www.educadora.ba.gov.br/
- 6040 **Radio Clube Paranaense**—  
http://www.clubeb2.com.br/
- 6050 **Radio Guarani**—  
http://www.guarani.com.br/
- 6150 **Radio Record**—  
http://www.rederecord.com.br/
- 6160 **Radio Rio Mar**—  
http://www.geocities.com/radioriomar/
- 6160 **Radio Rio Grande do Sul/R Boa  
Vontade**—http://sistema.lbv.org.br/
- 6180 **Radio Nacional da Amazonia**—  
http://www.radiobras.gov.br/
- 9585 **CBN Sao Paulo**—  
http://radioclick.globo.com/cbn/
- 9615 **Radio Cultura Sao Paulo**—  
http://www.tvcultura.com.br/
- 9665 **Radio Marumby**—  
http://www.gmuh.com.br/marumby.htm
- 9685 **Radio Gazeta Sao Paulo**—  
http://www.fcl.com.br/
- 11805 **Radio Globo**—  
http://www.radioglobo.com.br/
- 11915 **Radio Gaucha**—  
http://www.radiogaucha.com.br/
- 11925 **Radio Bandeirantes**—  
http://www.radiobandeirantes.com.br/
- 11950 **Radio MEC**—  
http://www.radiomec.com.br/
- 15265 **Radiobras**—http://www.radiobras.gov.br/

(Lintuorvi-FIN/1000 Lakes DX Page http://  
www.geocities.com/Colosseum/Park/3232/dx.htm/  
HardCore DX Feb 10/DX Listening Digest/Hauser-OK)

**CAMBODIA** 11940.3, *Voice of Cambodia*, Phnom-  
Penh (p), Feb. 9, 0102-0111\*, Asian music, slightly  
overmodulated. At 0111 short announcement by fe-  
male (Vietnamese listed at this hour) with tentative

mention of Phnom-Penh. Then off. Best signal I had  
from then in a long time, but with splatter from ad-  
jacent frequencies. (Veldhuis-HOL/DX Listening Di-  
gest/Hauser-OK)

**CHECHNYA [non?]** 7183, *Radio Kavkaz*, Jan 16,  
1259-1309, music, ID "Radio Kavkamize, dize...",  
talk with rather poor reception (Ishii-JPN/DSWCI DX  
Window/DX Listening Digest/Hauser-OK)

**CHILE** 6030, *Radio Santa Maria*, Coihaique,  
through a phone call has informed that they trans-  
mit 24 hours in the 49 mb (Lopez-CHL/Cumbre/BC-  
DX/DX Listening Digest/Hauser-OK) Noted 6029.7 at  
0846 (Norrie-NZL/Cumbre Jan/BC-DX/DX Listening  
Digest/Hauser-OK) DXLD)

**CHINA** 4330 *Xinjiang Urumqi*. 1235 traditional  
stringed instrumental music, which is as good as a  
station ID for Urumqi. The music stops and a deep  
voice says "Sinjiang..." (30/1 Goonetilleke-SLK)

English language summer schedule of *China Ra-  
dio International*, beginning March 31:

0100-0200	9580-B* 9790-C
0300-0400	9690-S
0400-0500	9560 9730-G
0900-1000	15210 11730
1000-1100	15210 11730
1200-1300	9730 9760 11760 11980 15415
1300-1400	7405 9570-B* 11760 11900 11980 15180
1400-1500	7405 9770 11675 13685-M 15110 15125-M 17720-B
1500-1600	7160 9785 13685-M 15125-M 17720-B
1600-1700	9565 9870
1700-1800	9570 11920 15265 9695*
1900-2000	9440 13790
2000-2100	9440 11640-M 11790 13630-M 15110
2100-2130	11640-M 11790 13630-M 15110
2130-2200	11790 15110
2200-2300	9880-R
2300-2400	5990-B* 13680-C

\*Testing Frequencies

- B- via Cuba
- C- via Canada
- G- via French Guiana
- M- via Mali
- R- via Russia
- S- via Spain

(Carter-UK/World DX Club/Barraclough/DX Listen-  
ing Digest/Hauser-OK)

**CLANDESTINE—AFRICA** An Arabic-language  
shortwave radio station identifying itself as "*Sawt  
al-Qarn*" is currently being heard daily at 1330-  
1430 on 21550 kHz. The Arabic word qarn can mean  
either "horn" or "age" (or "era"), and so the radio's  
name may be translated as Voice of the Horn (of Af-  
rica) or Voice of the Age. It is possible that the sta-  
tion intends both meanings to be valid.

The radio's opening and closing announcements include a brief identification in English as "This is Millennium Voice," indicating that *Voice of the Age* is a valid translation of the Arabic name. However, the radio's opening music is of Eritrean origin, suggesting that *Voice of the Horn* is an equally valid title. Furthermore, its time checks are three hours ahead of UTC, the time zone used in the Horn of Africa, east Africa and Sudan, suggesting that this is its target area.

*Voice of the Horn/Voice of the Age* has not been heard to announce its location or the name of any sponsoring organization. Reports in Internet newsletters published by radio hobbyists have suggested that the station is transmitting via hired facilities in Britain.

The daily programs begin with a Koranic recitation and commentary. Programming is then largely devoted to human rights and other issues in the Arab world. Reports on Sudanese affairs feature particularly prominently. A bulletin of African news is carried at 1400 UTC. Source: BBC Monitoring research 19-20 Feb 02 (via DXLD)

**CLANDESTINE—MIDDLE EAST** Clandestine *Voice of Iran* in Farsi noted on Feb. 19 with new schedule: 1630-1730 on NF 17525; 1730-1930 on NF 15690 (Observer-BUL, Feb 20/DX Listening Digest/Hauser-OK)

Radio *Bopeshawa* (Forward), the clandestine radio of the Worker-Communist Party of Iraq (WCPI), is no longer on the air. The WCPI web site was observed on 18 February to carry an announcement saying: "For a better radio transmission and more appropriate broadcast times, Radio Bopeshawa has stopped transmitting its programs for the time being."

The site carries no other reference to Radio Bopeshawa. Radio Bopeshawa, which began broadcasting on 1 February 2001, announces a London address and is believed to broadcast via a hired shortwave transmitter in eastern Europe.

The WCPI has a web site <http://www.wpi-iraq.org>—It carries material in Arabic, English and Kurdish and was last updated on 10 February 2002. It gives information on the web site on its Iranian counterpart, the Worker-Communist Party of Iran <http://www.wpiran.org> (BBCM 20 Feb/DX Listening Digest/Hauser-OK)

**COLOMBIA** The only active Colombian SW stations I was able to hear from Aruba were:

6035 *La Voz del Guaviare*, San Jose del Guaviare weak with VOA QRM until 2200\*, then better.

6115 *La Voz del Llano*, Villavicencio weak under QRM

9635 *Radio Dif. Nacional de Colombia*, Bogota only noted 2100-0200

The following stations were off the air:

4785 *Radio Super*, Ibagu

4815 *Radio Guatapuri*, Valledupar

4835 *Radio Buenaventura*, Buenaventura

4865 *La Voz del Cinaruco*, Arauca

4885 *Ondas del Meta*, Villavicencio

4895 *Colombia Estereo*, Bogota

4895 *Emisora de CREER*, Tolima

4905 *Ecos del Orinoco*, Puerto Carrao

4915 *Armonas del Caqueta*, Florencia

4955 *Radio Nacional de Colombia*, Bogota

4965 *Radio Santa Fe*, Bogota

4975 *Ondas del Orteguaza*, Florencia

5020 *Ecos del Atrato*, Quibdo

5040 *La Voz del Yopal*, Yopal

5075 *Caracol*, Bogota

5955 *La Voz de los Centauros*, Villavicencio

5975 *Radio Autentica*, Villavicencio

6015 *Radio Mira*, Tumaco

6045 *Cadena Melodia*, Bogota

6065 *Colmundo*, Bogota

6085 *Ondas del Darien*, Turbo

6150 *Caracol*, Bogota

6170 *Caracol*, Florencia

6233 *La Voz de la Resistencia*, Santa Ana

6260 *La Voz de la Resistencia*, Bloque Oriental (Petersen-ARUBA/DSWCI DX Window Feb 13/DX Listening Digest/Hauser-OK) via DXLD)

**CONGO (KINSHASA)** Bunia, 5066 Bunia (p), noted at 1612. This has become a regular now, but best heard tonight with radio drama, festive music (echo effect), W spoken word and abrupt signoff at 1616. Does anyone know the name of this station, Jan-26 (Lam-SNG/EDXP/Padula-AUS)

**ECUADOR** The only active Ecuadorian domestic SW stations I was able to hear from Aruba were:

3280 *La Voz del Napo*, Tena

4783 *Radio Oriental*, Tena

4815 *Radio El Buen Pastor*, Saraguro

4919 *Radio Quito*, Quito

6050 *HCJB*, Pifo

6080 *HCJB*, Pifo

(Petersen-ARUBA/DSWCI DX Window Feb 13/DX Listening Digest/Hauser-OK)

**HCJB** is going ahead with its long projected transmitter site move from Pifo near Quito, to Santa Elena near Salinas, somewhat inland from the coast. On DX Partyline Feb 2, John Beck reported this had just been decided. The WRMF board had considered several scenarios; evidently the PTB have decided to proceed with building a new airport for Quito which will require that the present HCJB antennas at Pifo be leveled so they do not obstruct flight paths. The HCJB relocation, however, will just about pay for itself: \$5 million income from the sale of the Pifo property is about what it will cost to build the new site; the only problem is cash flow.

So HCJB is now in the process of commencing the move, Santa Elena is between Guayaquil and Salinas near the westernmost point of Ecuador. The project, like everything at HCJB, has its own acronym: SERVE, for Santa Elena Renewing the Voice of Ecuador. Phase one lasts through 2002; phase 3 starts in 2003, with transmission from new site to start by mid-03, but will overlap with both sites in use for a while. Move should be complete by mid-05 with Santa Elena only in use; the Pifo site is to be leveled by mid-06.

So if you want to see the present HCJB Pifo site, do so in the next couple of years. Santa Elena is much less convenient to Quito. It takes 10.5 to 11 hours by car, or a one hour flight to Guayaquil, and 3 hours by car. Pifo is only a 40 minute drive from Quito.

News release will be issued ASAP; more info on request. Plans to put up website about this showing plots, progress, maybe even a webcam! There is absolutely nothing at Santa Elena now, no water or electricity. (HCJB DX Partyline Feb 2/DX Listening Digest/Hauser-OK)

**GEORGIA Radio Georgia**, 11805.26, 0609-0630\*, heard here off frequency. A bit distorted. Somewhat muddy audio makes interpretation difficult. Thanks to Joe Talbot who reported this one back around Christmas. Short clips of talk. Frequency seems to be drifting downward, 11805.23 at 0621. IS at 0629, into English ID, schedule, news read by woman. (January 30, Salmaniw-BC/DX Listening Digest/Hauser-OK)

**GERMANY Changes on Deutsche Telekom** transmissions after Jan 17:

**Trans World Radio:** Additional broadcast since Jan 26 Sat 1657-1745 7180

**Remnants Hope Ministry:** New schedule since Feb 13 Sat 0800-0900 13810; Sat, Sun 1300-1400 6110 (ex 1215-1315) CANCELLED: 6125 on Wed

**The Overcomer Ministries,** changes since Feb 12: daily 1200-1459 5975 (ex 0900-1459) daily 1300-1559 13810 (Excerpted from Feb 14 schedule release) (Ludwig-GER/Feb 14/DX Listening Digest/Hauser-OK)

**GHANA Visit to Ghana Broadcasting Corporation Shortwave Transmitting Station,** by Chris Greenway

On 29th November I visited the shortwave transmitting station of the Ghana Broadcasting Corporation (GBC) in Accra. This is located in the GBC's former Broadcasting House, sometimes called BH 2 to distinguish it from BH 1 (now a private residence; where broadcasting in Gold Coast colony first began in 1935 from station ZOY) and BH 3 (the current Broadcasting House, built in the late 1950s and early 1960s). BH 2 is often referred to as "The Old House," to distinguish it from the current BH.

The current BH (BH 3) is situated just off the ring road that passes around the centre of Accra. This is where the radio and TV studios are. BH 2, where the shortwave transmitters are, is just a mile north of BH 3.

The shortwave transmitters at BH 3 in Accra are now the GBC's only ones. In the past, the GBC had shortwave transmitting stations at Tema (just to the east of Accra) and at Ejura (in the interior of the country), but these are long defunct.

The current station houses three NEC 50 kW shortwave transmitters of type HFB-7847. The transmitters still have their original manufacturer's plates on them, giving the date of manufacture of all three as August 1984 and their NEC serial numbers as 106, 107 and 108. Here are some more details about each of the three transmitters:

**Transmitter 1:** The control panel on the front of the transmitter shows that it had been set up to operate on the following pre-set frequencies: 3350, 3366, 4915, 4980 or 5990 kHz. At present it is used only to transmit GBC Radio 1 on 4915.

**Transmitter 2:** The pre-set frequencies for this are: 3350, 3366, 5990 and 7295. This transmitter is no longer operational. It is being cannibalized for spare parts to keep the other two going.

**Transmitter 3:** The pre-set frequencies for this are: 3366, 4915, 4980, 6070, 6130 and 7295. At present it is used to transmit GBC Radio 2 on 6130 (daytime) and 3366 (early morning and evening).

I gently raised with the engineers the fact that transmitter 3 in particular radiates a large number of strong spurious signals. They apologized for this, but said they had no spare parts at all (presumably including harmonic filters) for the transmitters, and of course no money to buy any. They were just hoping to keep them on the air as long as possible. Their biggest fear was one of the main valves burning out. To prolong the life of the valves they are running the transmitters at below full power (they said at about 35 kW).

I was also shown the aerial matrix, housed in a small, separate building. This was manufactured, also by NEC, in July 1984 (i.e. obviously installed at

the same time as the transmitters). It can switch the output of four transmitters between four aeri- als. The four aeri- als currently at GBC's disposal are those for 3366, 4915, 6130 and 7295 kHz. However, they explained that they intended to remain with their current frequency usage and had no plans to use 7295 again. (Chris Greenway, Feb BDXC-UK COMMU- NICATION via Tony Rogers/DX Listening Digest/ Hauser-OK)

**GUATEMALA** The only active Guatemalan SW sta- tions I was able to hear from Aruba were:

- 3300 *Radio Cultural*, Guatemala City  
 3325 *Radio Maya*, Barillas  
 3360 *La Voz de Nahuala*, Nahuala  
 4052 *Radio Verdad*, Chiquimula  
 4800 *Radio Buenas Nuevas*, Huehuetenango  
 4845 *Radio K'ekchi'*, Fray Bartolom de las Casas  
 5955 *Radio Cultural*, Guatemala City  
 (Petersen-ARUBA/DSWCI DX Window Feb 13/DX Lis- tening Digest/Hauser-OK)

## INDIA

- 3223 *AIR Shimla*, pretty weak sign-on 1255 into ID and vernacs, 0045 s/on routine (29/1)  
 3315 *AIR Bhopal* 1230 to 1600 regular and 444 all the time 28/1. Again 0000 past 0130 (29/1)  
 3365 *AIR Delhi Urdu Service* 1300 past 1800 / /4760 kHz  
 3390 *AIR Gangtok* 27/1 is stronger than usual from around 1245. At 1405 there was a beautiful local ID, with a W giving the ID with the MW freq and then the SW. Its akin to saying "broadcasting on...Khz...metres Medium Wave...khz Short Wave Ye Akasawani Gangtok Sikkhim..." 1430-1500 EE Music prgr.  
 4760 *AIR Port Blair*, 0000 Excellent.Hindi Nx from Delhi 0030  
 4775 *AIR Imphal* sign-on 0030 (29/1)  
 4850 *AIR Kurseong* beautiful Choral singing 0005 (29/1)  
 4880 *AIR Lucknow* sign-on 0025 into flute music (29/1)  
 4910 *AIR Jaipur* sign-on routine 0022 ID at 0025 29/1  
 4940 *AIR Guwahati* sign-on 0014 Wande Mataram into ID. 29/1. EE Nx at 0038  
 4970 *AIR Shillong* sign-on IS 0020, mush from 5010 29/1  
 4990 *AIR Itanagar* 555 sign-on 0028 29/1  
 5010 *AIR Thiruvananthapuram*. sign-on 0020 Wande Mataram, followed by clear ID. Tamil prgrming...Overmodded splatter. EE News 0038 29/1  
 5040 *AIR Jeyapore* 555 0030 T.Sig Delhi Hindi Nx relay. 29/1

5050 *AIR Aizawl* EE Nx at 0037 into Christians devotional music 0040. 29/1

(all via Goonetilleke-SLK)

**INDONESIA** 2899.1 *RPDT2 Ngada*, Bajawa, Jan 21 1234 UT. ID+QRG's+FM, native music in progress. (Schulze-PHL/BC-DX/DX Listening Digest/Hauser-OK)

2960 *RRI Manggarei* not active in past weeks. (Schulze-PHL, Jan 31/BC-DX/DX Listening Digest/ Hauser-OK)

3102.4 *RSPDT2 Halmahera Tengah*, Saosi, 1120- on Jan 25. ID at 1159. Also very seldom ac- tive, today heard a relay program from RRI Temate, // 3344.8 till 1259, at 1300\* s-off; many transmit- ter modulation problems. (Schulze-PHL/BC-DX/DX Listening Digest/Hauser-OK)

3215 *RRI Manado* 1200 fade in s.off between 1310-15, a pretty decent signal. 27/1 excellent readability. (Goonetilleke-SLK)

3325 *RRI Palankaraya*. like a local just across the Indian Ocean for me. The last 45 minutes 1415- 1500 carried lovely music. On Sundays they are mostly Christian music, a fusion of western and eastern. My favourite listening station. However on 28/1 sign-off at 1450 with the age old RRI sign-off procedure with Love Ambon The day the last RRI goes off shortwave, for us DXing tropical bands will never be the same! (Goonetilleke-SLK) [Amen to that!-AQ]

3355.4 *RRI Jambi* use only this frequency, but very weak signal. (4926 is inactive) Jan 29. (Schulze-PHL/BC-DX/DX Listening Digest/Hauser-OK)

4874.6 *RRI Sorong*, only sporadic active on this frequency, but regularly active on 9741.7. (Jan 29/ Schulze-PHL/BC-DX/DX Listening Digest/Hauser-OK)

6071.2 *RRI Jayapura* (p) Jan 24 0930-0940 32332-31331 Indonesian Talk by man. (Hashimoto- JPN/Japan Premium/Gaku-JPN)

6153.6 *RRI Biak* Jan 24 0905-0915 33433 Indo- nesian, Islam music and koran. ID at 0908. (Hashi- moto-JPN/Japan Premium/Gaku-JPN)

Hello all, here comes the Thailand Report #2, this time from the island of Ko Pha Ngan. We will stay here until Feb 23, then go back to Bangkok for a day and then travel back to Germany.

All observations from Feb. 19, 2002

At 1300 UT (2000 LT) I found the following sta- tion in parallel with News from Jakarta:

- 3264.7 Gorontalo  
 3325.0 Palangkaraya, local ID at 1320  
 3344.9 Ternate

- 3960.3 Palu, weak modulation
- 3976.1 Pontianak, christian choir noted at 1328, 1424 local ID
- 4000.1 Kendari (tent; but to my knowledge, RRI Padang has not been reported here for several month here)
- 4753.3 Makassar
- 4925.0 Jambi

At 1500 the following stations were in parallel for news:

- 3960.3 Palu
- 4000.1 Kendari
- 4753.3 Makassar

Pontianak had a music program of its own at this time.

The following s/off times were noted:

- 3264.7 Gorontalo at 1315
- 3344.9 Ternate at 1400
- 3325.0 Palangkaraya at 1448 after sweet sounding music
- 4000.1 Kendari at 1530
- 4925.0 Jambi at 1552
- 3976.1 Pontianak at 1557 after sweet sounding music
- 4753.3 Makassar at 1558 after sweet sounding music

I remember having heard *R. KIP* on 4696.6 two years ago from the same location. This one seems to be inactive now. 5040 was covered by AIR Jeypore; English news at 1530. (Passmann-THA, Feb 20, hard-core-dx/DX Listening Digest/Hauser-OK)

**IRAQ** 11787.00 *Radio Iraq Int'l* 0242 In English, some traditional music and talks by female announcers. IDs given by a woman at 0246, 0251 and 0301: "This is Radio Iraq International." Booming signal with little QRM, if any, but a few spots of dropped carrier. Audio was typical Middle Eastern-overmodulated voices with a little hum. (Fine-VA 31 Jan)

**IRELAND** One change in last month's *RTE Radio One* schedule, from 1000-1030, now using 15280 (ex-15540). (Southwell-UK/World DX Club/Barracough/DX Listening Digest/Hauser-OK)

**ISRAEL** I was just forwarded the text of a letter sent to the Head of Britain's Jewish Community from Carmeli Israeli the Assistant to the Director of Radio (Amnon Nadav). It reads...as typed:--

"Your letter date February 14th, 2002 that was sent to the General Director have been forwarded to our attention.

As IBA was under budget constraints towards 2002 it was suggested to cut down some broadcasts.

In the meantime, being aware of the importance of "*Kol Israel*" broadcasts in English and other languages in short-wave, and being aware to the im-

portance of our news these days, we have reconsidered the proposal. Following this reconsideration our external broadcasting will continue as before. Thank you for your concern."----Of course, we'd all rather that they would expand their broadcasts --but, it seems that we're at least getting to keep the current broadcasts. Thanks, Doni (Rosenzweig, Feb 20/DX Listening Digest/Hauser-OK)

**KOREA—SOUTH** 3930 *KBS Hwasung*. No jamming, Korean prgr 1400 past 1420 233, static and fading. Surely this is more than the 1.5kW listed in PPWBR? regularly heard in the last week. (28/1 Goonettleke-SLK)

**LAOS** 4660 *Sam Neua* (no ID hrd for location though) 1235-1300 sign-off, not 1230 as in WRTH 02, also weak at 0020 in Lao. (28-29/1 Goonettleke-SLK)

**LIBERIA** PRESIDENT AGREES TO RESTORE SHORT-WAVE FOR RADIO VERITAS

19 February 2002

Dr Hansjoerg Biener reports: In a surprise development at a news conference on 9 February 2002, Liberian President Charles Taylor announced the "immediate" restoration of the shortwave frequency for the Catholic-run *Radio Veritas*. The announcement came barely 24 hours after he had declared a state of emergency in the country. President Taylor said his action was a demonstration that the state of emergency was not intended to clamp down on peaceful citizens nor on free speech and the press.

At the time of the announcement, the lawsuit of the Catholic Church against the July 2001 closure of the frequency was still pending at the circuit court.

Radio Veritas Station Manager Ledgerhood Renne said he was pleased by the President's gesture to allow the station run its shortwave frequency. He said it is an opportunity for the Liberian people to have access to information and that the station looks forward to working with all spheres of society.

[Editorial note: The station was previously reported using 3450 and 5470 kHz]

In March 2000, the Government ordered the closure of Star Radio "until its ownership and management structure were transferred from the international media NGO Hirondele to a Liberian-run media institution." The Press Union of Liberia (PUL) welcomed the restoration shortwave to Radio Veritas and expressed continued interest in the re-opening of Star Radio. (Radio Netherlands Media Network/DX Listening Digest/Hauser-OK)

**MADAGASCAR** *Voice of the People* via the Radio Netherlands Madagascar relay station has been extended to 1700-1830 on 7120 kHz (Radio Netherlands Media Network/DX Listening Digest/Hauser-OK)

**MALAWI** An exciting find for me on 21st January was the reappearance of Malawi on shortwave (7130 kHz). On 24th January it was subsequently heard going past 1700 but had closed by 1730 or so. Next day it closed, somewhat suddenly, at 1630, which was a pity as the signal was good. So, should be a possible late afternoon catch in the UK unless you have something strong on 7130. It is spot on channel and with good audio.

In the mornings it is not on first thing, but is there by 0600. Even here in Nairobi, reception in the middle of the day is very poor (southern hemisphere summer conditions).

I believe this is the first time that Malawi has been definitely heard on shortwave for about a year. Many of us had feared that Malawi had joined the list of African countries that had left shortwave for good. (Chris Greenway, Kenya, Feb BDXC-UK COMMUNICATION via Tony Rogers/DX Listening Digest/Hauser-OK)

**MBC**, reactivated on 3380, is putting in a good signal, one night at 1750, another around 2000, mostly in presumed Chichewa, and some religious programming (Hambly-AUS, Feb. 7-9/DX Listening Digest/Hauser-OK)

**PAKISTAN** 3668 *Azad Kashmir*. Sorry folks, no signals here for months now. I think it is gone for good. I can't think of a more compelling time for it to be on. 28/1 and many weeks earlier. (Goonetilleke-SLK)

#### **PAPUA NEW GUINEA**

- 3205 *Radio West Sepik* had a transmitter break at 1220 on the 20th of January. I have not heard it since. Any one hearing it since the 20th? (Goonetilleke-SLK)
- 3235 *Radio West New Britain* is the strongest PNG f/in 1230-1302 sign-off 28/1 barely makes it. (Goonetilleke-SLK)
- 3305 *Radio Western Districts* Daru weak 1230f/in-1300 (28/1 Goonetilleke-SLK)
- 3315 *Radio Manus* under AIR to 1300 sign-off (20/1 Goonetilleke-SLK)

On Jan 06-15 I made daily monitoring for the DSWCI of all PNG SW frequencies from 1000 till sign off:

The following stations were active daily:

- 3205 *Radio West Sepik*, Vanimo Early sign off 1202\*. Transmitter problems.
- 3235 *Radio West New Britain*, Kimbe Sign off 1302\*.
- 3245 *Radio Gulf*, Kerema Sign off 1303\*. Transmitter problems.
- 3275 *Radio Southern Highlands*, Mendi Sign off 1303\* (some days earlier).

- 3305 *Radio Western*, Daru Sign off 1302\* (some days around 1245\*). Transmitter problems.
- 3315 *Radio Manus*, Lorengau Sign off 1202\* (some days 1252\*).
- 3325 *Radio Bougainville*, Kubu Sign off 1203\* (some days 1248\*). Transmitter problems.
- 3375 *Radio Western Highlands*, M. Hagen Sign off 1202\*.
- 3905 *Radio New Ireland*, Kavieng Sign off 1203\*.
- 4890 *NBC*, Port Moresby Sign off 1402\*. Transmitter problems.

Many regionals relay the Karai National program from NBC, Port Moresby at 1100-1110 for news in Tok Pisin. On certain days, some stations relay NBC, Port Moresby after sign off of their local program. Religious programs are heard on Sundays on many stations. At 1110 NBC, Port Moresby carries "PNG Music request program, P. O. Box 1359 Boro-ko", except Sundays when "Gospel music" is played.

The following stations were inactive: 3220, 3260, 3290, 3335, 3355 and 3365. The following stations may be inactive or just drowned in static noise: 2410, 3385, 3395 and 9675 (Schulze-PHL/BC-DX/DX Listening Digest/Hauser-OK)

**PERU** 5950.3 *Radio Bethel*, Arequipa. 1007-1015 February 16. Peru National Anthem. Identification by male in Spanish as: "Radio Bethel...onda media..." Then, religious program. Commentary read by man in Spanish: "...levantaremos la bandera con un mensaje de poder y fe de nuestro Seor..." Note: The WRTH2002 and PWBR2002 indicate the station's name as "Radio Arequipa Bethel" but I heard the ID as "Radio Bethel" very clearly. (Slaen-ARG/DX Listening Digest/Hauser-OK) Digest)

6045.6 *Radio Santa Rosa*, Lima. 1025-1030 February 10. Romantic music in Spanish. "Usted escucha Radio Santa Rosa...Lima. Amigos, amigas, tambien tenemos saludos para todos los departamentos del Peru...estamos esperando su llamada aqui, en Radio Santa Rosa, con bonita musica de America." [Sorry, I lost attribution here-AQ]

6141.04v *CPN Radio*, Arequipa; reactivated again on shortwave. It was heard at 1100-1120 on 10/FEB/2002. poor signal. ID was given as "CPN Radio" in the morning newscast. (CPN = Cadena Peruana de Noticias). Note: This shortwave outlet was formerly used by Radio Concordia, but some years ago Victor Fernandez, the owner of Radio Concordia was sold to the CPN Radio Network according to my investigation realized in Arequipa, in 1999. Nowadays, CPN Radio in Arequipa relays 100% of programs sent from Lima, so there are no local programs. Radio Concordia was formerly authorized to broadcast on the following call signs and frequencies: OBZ6B 6150 kHz, OBZ6A 9580 kHz, OAX6L 1140 kHz and OCZ6A 95.9 MHz FM. (TIN-JPN/Conexion Digital/Slaen-ARG)

According to Bjorn Malm, Ecuador, (via hcdx partner SWB, 25 Jan 2002), *Radio Cielo*, has been heard regularly on 6299v kHz in late January of 2002. He reported that the station was located in Chiclayo, capital of the Department of Lambayeque. I can also say that it is completely correct. While I was in Chiclayo, I visited Radio Imperio which transmitted on 4388.9 kHz shortwave. I was informed that the shortwave outlet runs with a transmitter manufactured and designed by Cielo Salazar. He is a radio technician, however he is a policeman. He also has a very small radio station named "Radio Cielo" in his house. The station runs with about 100 watts of output power. As the station has no commercial advertising, Sr. Cileo Salazar operates his radio station as a hobby. Therefore there are no fixed programming and no regular transmitting schedule. Unfortunately, his address can not be reported for the illegal operation. (TIN-JPN/CONexion Digital/Slaen-ARG) Japan)

6560.3 *Radio Estacion 2*, Huancabamba, 0120-0215\*. new station, sked: 1100-1500 UTC and 2200-0300 UTC. ID as: "...les informamos la hora 8 de la noche con 45 minutos asi es amigos somos Estacion 2 de Huancabamba, la radio de la nueva generacion es una radio que nacio para nosotros y tambien para ustedes oyentes..." Address: Radio Estacion 2, Barrio San Francisco, Huancabamba, Piura, Peru (Rodriguez-COL/CONexion Digital/Slaen-ARG)

**PHILIPPINES** *Radio Pilipinas*, PBS, 9618.4, (ex 9580.3) [not 9616.5 DZRM Quezon City] noted first day on this new freq was Jan-09, at 0715, fade-in at 2345 in Tagalog. At 0805 "Radio Periodico, Radio Ng Bajan, PBS Balita (nx). Announced also DZRB on MW 738. (Schultz-PHL/BC-DX/EDXP/Padula-AUS)

**SOLOMON ISLANDS** 5020 had BBC relay 1810 tune in to 1900 on the 27th then into *SIBC* programs, but not the day before or today the 28/1. Today they started at 1901 with the talking drums and the anthem. Someday BBC news summary at 1900, someday BBC relays, other days no BBCat all, like today. (Goonetilleke-SLK)

**TURKMENISTAN** *Turkmen Radio*: some info which was found in *HABARLAR* 2002 14-20.01: WATAN radio program 5015, 7115 kHz 24 hrs. "MIRAS" radio program 4930, 3549 mHz (?) 0400-0630, 0900-1400, 1700-2100 UTC. "CAR TARAPDAN" radio program 4930, 3549 mHz (?) 0100-0400, 0700-0900, 1400-1700 UTC. All programs are in Turkmen only. In WRTH 2002 under International Section transmission in English is mentioned but *HABARLAR* states 1 hr program "Beylik Turkmenbasynyn yurdunda" daily (Kolesov-UKR/WDXC/Barracough, Jan 29/DX Listening Digest/Hauser-OK)

**UNITED STATES OF AMERICA** [Jan 30]. *Radio Free Afghanistan*, the latest addition to the U.S. stable of surrogate broadcast initiatives, launched

today as Afghan interim leader Hamid Karzai visited the World Trade Center site.

The service opened in the Pashto language with a female announcer.

Radio Free Afghanistan (RFA) currently broadcasts per this schedule:

1300-1330	Pashto	11920 15525 17725
1330-1400	Dari	11920 15525 17725
1700-1730	Pashto	6170 9785 11920
1730-1800	Dari	6170 9785 11920

Identification: (Pashto) Da Azad Afghanistan Radyo (Dari) Radyo Afghanistani Azad

Reception reports can be sent to RFE/RL, 1201 Connecticut Ave, NW, Washington, DC 20036 USA.

Web Site: <http://www.rferl.org/bd/af/> (Nick Grace C./Clandestine Radio Watch/Schoech-GER)

Some changes for VOA:

Amharic—Daily 1800-1830 NF 15775 IRA (x15160)  
 Tigrina—Mon to Fri 1830-1845 NF 15775 IRA (x15160)  
 Oromo—Mon to Fri 1845-1900 NF 15775 IRA (x15160)  
 English—Sat/Sun 1830-1900 NF 15775 IRA (x15160)

Arabic—deleted

0600-0700	12025 KAV 15335 KAV 15425 MOR
1100-1200	15140 KAV 15235 KAV 17895 KAV
1400-1500	11690 KAV 15265 MOR 17795 MOR
1500-1600	11955 KAV 15120 MOR 15265 MOR 17795 MOR
1600-1700	11950 LAM 15120 MOR 17795 MOR

Dari—deleted 0230-0300 15580 PHT 17780 PHT

Pashto—deleted 1400-1430 13605 UDO 15515 WOF

Some changes for RFE/RL:

Arabic—addit freq 1700-1800 11725 KAV

Ukrainian—additional transmissions

1900-2000	6095 BIB 9810 MOR
2000-2100	6035 BIB 7165 BIB 9810 MOR

Uzbek 1700-1800 NF 9890 KAV (x9625 MOR)

(R BUL Observer, Ivo Ivanov and Angel Datzinov, BC-DX Feb 15/Bueschel-GER)

**VENEZUELA** The only active Venezuelan SW stations I was able to hear from Aruba were:

4830 *Radio Tachira*, San Cristbal—faded out during daytime, but strong at \*1100 and 2100-0400\*

4939.5 *Radio Amazonas*, Puerto Ayacucho—faded out during daytime, but strong at 0940 and 2240-0400v\*

- 4980 *Ecós del Torbes*, San Cristbal—faded out during daytime, but strong \*0900-1000 and 2100-0400\*
- 9640 *Ecós del Torbes*, San Cristbal—strong daytime \*1200-2200 // 4980, then QRM

The following stations were off the air:

- 4840 *Radio Valera*, Valera  
 4970 *Radio Rumbos*, Villa de Cura  
 9540 *Radio Nacional de Venezuela*, Caracas  
 9660 *Radio Rumbos*, Villa de Cura  
 11695 *Radio Nacional de Venezuela*, Caracas.

(Petersen-ARUBA/DSWCI DX Window Feb 13/DX Listening Digest/Hauser-OK)

4970 *Radio Rumbos*, 1140-1158+ Feb 5 and 2315 Feb 5. I was quite surprised to hear this one, which I have not heard for years. I didn't believe that it was Rumbos until a very clear ID at 1158. Mainly a talk program by a man. A decent signal in the morning, but considerably weaker in the afternoon. I wonder if this had something to do with the current turmoil in Venezuela (Zeller-PA/DXplorer/DX Listening Digest/Hauser-OK) [I give up - is it on or is it off?-AQ]

VIETNAM 5733.8 *Radio Yen Bai*, \*1150-1200, re-activated on this new freq drifting from 5767.4 (x4930). ID and tribal mx. Jan 24 on 5733.5. (Ro-

land Schulze-PHL, DSWCI DXW Jan 23/BC-DX/Bueschel-GER)


4795.85 *Son La Radio* 1206 in Vietnamese. Talk by man. weak. Had QRM from 4795.

6496.6 *Cao Bang BC* 1200 in Vietnamese, Opening annt and mx. Then singing by woman from 1203. Freq. was not so drifted. CW was jumbed. (Gaku Iwata-JPN, JPN Premium Feb 11/BC-DX/Bueschel-GER)

## GIT YER BUTT OFF'N MAH LAND, VARMINT!

Mr. Hauser,

We have had many request from listeners to visit our transmitter facilities. Our policy is: ABSOLUTELY no visitors to our facilities: no exceptions. Anyone who trespasses upon WWRB, WWFV, or Blueridge communications, Inc transmission facilities will be arrested and subsequently prosecuted for Trespassing, Criminal intent to inflict damage, Terroristic threats and acts. ( felony's) Our staff has been instructed to call the local sheriff / 911 if anyone crosses over our fences or gates. Please advise listeners to govern themselves accordingly

(Peter J. Taggart, Operations manager via Dave Frantz, Feb 21/DXLD/Hauser-OK) 

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## WELCOME TO THE FOLLOWING NEW MEMBERS

MR. LAVERNE ROGERS, Covington, LA  
 JOSEPH BADALI, Raymore, MO  
 REV. RICHARD LIBBY, Rockport, TX  
 HOMER A. MEEKINS, Jamestown, NY  
 CHARLES CISKO, Lauderdale Lakes, FL  
 HENRY R. DEGREGORIO, Philadelphia, PA  
 JOHN CASE, Des Plaines, IL  
 GARY BERNSTEIN, Howell, NJ  
 ROBERT M. WEISS, Fairfax, VA  
 ROBERT LOOK, Somerset, MI  
 RON LUPTAK, West Mifflin, PA  
 HOWARD J. GREENWALD, East Rochester, NY  
 RENEE CASEY, Ocala, FL  
 RAMON M. RODRIGUEZ, Carolina, PR

# QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

**ALBANIA: Radio Tirana**  
6115 f/d cd. w/ ltr.  
and schedule in 46  
ds. (Klinck-NY).

**ARMENIA: Voice of Armenia**  
9960 f/d cd. w/  
schedule in 68 ds.  
(Klinck-NY).

**AUSTRALIA: Radio Zhejiang**  
15435 via **Radio Australia** QSL in  
171 ds. via a report to  
**China Radio International** (Glottzbach-NM).

**BOSNIA: Radio Yugoslavia**  
11870 via **Bijeljina** f/d "Listeners  
Club" cd. in 166 ds.  
for \$1.00 and 1 IRC. (Rugg-QUE).

**CANADA: CFRX - CFRB** 6070 f/d cd. in 18 ds. for \$1.00. v/s Stephen Canney  
Also rcvd. ODXA materials. (Barbour-NH).

**CHINA, PEOPLE'S REPUBLIC OF: China Radio International** 11980 via **Kunming**  
f/d "Gardens of Suzhou Jiangsu" cd. in 28 ds. v/s Ying Lian. (Barbour-NH).  
**Voice of Pujiang** 3280 f/d cd. in 352 ds. via **CRI** (Glottzbach-NM).  
**Guangxi People's Broadcasting Station** 9820 f/d cd. in 88 ds. via **CRI**

**CLANDESTINE: Radio Rainbow** 11840 short, date only ltr. (Glottzbach).  
\* in 1 mo. v/s T. Assefa. (D'Angelo-PA).

**COLOMBIA: La Voz del Llano** 6115 f/d ltr. w/ signed and stamped prepared  
\* cd. in 50 ds. Thanks to the assistance of Rafael Rodriguez in obtaining  
this long sought after verification. (D'Angelo-PA).

**ECUADOR: HCJB** 15140 f/d cd. in 97 ds. This station was my first QSL in  
1999 and this was my 700th DX report. (Glottzbach). 12005 f/d "70th  
Anniversary Series" cd. w/ schedule, calendar and form ltr. in 38 ds.  
for 2 ms. (Barbour-NH).

**ENGLAND: HCJB** 12025 via **Rampisham** f/d cd. w/ SP/EG schedule and a calendar  
in 108 ds. (Glottzbach). **Radio Vlaanderen International** 13685 via  
**Rampisham** f/d cd. in 29 ds. (Glottzbach-NM).

**EUROPEAN RUSSIA: Voice of Tatarstan** 15105 via **Samara** f/d "Kazan Fair"  
cd. in 2 mo. (Craighead-KS). 11665 f/d "Modern Mosque - Kazan Nury"  
cd. in 2 mo. Also rcvd. a personal ltr. from Ildus Ibatullin stating  
they have a big problem due to fiscal problems at the Samara transmitting center.

## QSL

Certificado de Sintonía

Emisora La Voz del Llano, Colombia

Para Richard A. D'Angelo

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 6.115 kHz de fecha 24 Octubre 2001 a las 01.57 a 02.28 horas de UTC con 10.000 vatios de potencia.

**L.V. del Llano**

ADM/N.

x

firma

sello oficial



*With all best wishes  
for Christmas  
and the New Year*

Really surprised to receive a greetings card from this station....Sam.

SUDAN NATIONAL ALLIANCE  
SUDAN ALLIANCE FORCES  
(SNA/SAF)



Canadian Broadcasting Corporation

is pleased to verify your reception  
 on March 21 1993  
 of its transmissions from  
 Station CKZU  
 Frequency 6.16 Mhz  
 Power 1000 watts  
 This station is on the  
CBC Pacific Network  
 Per Dave Newbury  
 Date April 6, 1993  
 Comments \_\_\_\_\_  
 Thank you for your report.

John Sgrulletta  
 337 Bullet Hole Road  
 Mahopac  
 New York  
 10541  
 USA

**ITALY: Voice of the Mediterranean**  
 \* 9840 via Rome cd. w/ XMAS cd. in  
 39 ds. (Glotzbach-NM).  
**LIBYA: Radio Jamahiriya - Voice of**  
 \* Africa 15435 via Tripoli f/d  
 "Rainbow" cd. in 52 ds. via the  
 Malta address for \$1.00. (Barbour  
**PERU: Radio San Antonio** NH).  
 \* 3375.1 f/d prepared cd. w/ per-  
 sonal note in 51 ds. for a SP  
 rpt., tape and \$1.00. (Klinck-NY)  
**RUSSIA: Voice of Russia** 7335 f/d  
 "Radio Moscow" cd. w/o site in 2  
 mo. (Klinck-NY).

**SEYCHELLES: BBC / Merlin Indian Ocean Relay Station** 11730 p/d ltr. in 59  
 ds. (Klinck-NY).  
**SINGAPORE: Radio Korea International** 9640 via Kranji (BBC) ltr. from Mic-  
 helle Franks at Merlin in London in 23 ds. (Glotzbach-NM). **Swiss Radio**  
**International** 13735 via Kranji (BBC) f/d "Multi-colored Swiss Photos"  
 cd. in 68 ds. (Humenyk-ONT).

**STATION INFO: La Voz de La Selva** 4825 v/s Mrs. Julia Jauregui, Directora.  
 Addr: Calle Abato 255, Iquitos, Peru. **All India Radio** 5010 via Thiruv-  
anthapuram v/s Mr. Radhakrishnan Menon. **La Voz del Sahara Libre** 7460  
 B.P. 10, El Mourada, Algiers 16000, Algeria. **Radio San Antonio de Padua**  
 3375 v/s Hermano Rolando del Carpio Montalvo, Director.  
**Radio San Antonio de Ucayali** 4940 v/s Padre Ger-  
 ardo Zerdin. Addr: Plaza San Juan de Santos  
 Atahualpa, Atalaya, Ucayali, Peru....  
 ...via PLAY DX....Sam.

**SLOVAKIA: Radio Prague** 15675  
 via Rimavska Sobota  
 f/d "65th Anniver-  
 sary" cd. in 4 mo.  
 (Craighead-KS). This  
 station also verified  
 my reception of **WRMI**  
**Radio Miami Internati-**  
**onal** on 7385 and **Radio**  
**Prague** via Litomysl on  
 9870. (Craighead-KS).

**SOUTH AFRICA: Channel Africa**  
 17870 f/d cd. w/ schedule in  
 42 ds. (Klinck-NY).

**TAIWAN: WYFR Family Radio** 9280  
 via Taipei f/d cd. in 59 ds.  
 for ms. (Raymond-NH).

**TIBET: Chinese People's Broadcast-**  
**ing Station** 5240 via Xizang f/d  
 "Station Photo" cd. in 52 ds. for  
 an EG rpt. and a tape. (Klinck-NY).

**TURKEY: Voice of Turkey** 15170 via Emir-  
ler f/d "Women in a Headdress" cd. in  
 1 mo. w/ sticker and schedule. (Humenyk).

**UKRAINE: Radio Ukraine International** 12040  
 via Kiev f/d "Teapot w/ Saucer 1929" cd.  
 in 48 ds. w/ sticker and schedule. (Humenyk).  
 Your editor rcvd. a beautiful gold colored  
 key chain from RUI via registered mail in  
 early January. It is really good looking..Sam.

**USA: WBCO** 17495 f/d cd. in 15 ds. (Klinck-NY). f/d  
 "The Planet" cd. in 15 ds. (Humenyk-ONT). **WTJC**  
 9370 f/d cd. in 13 ds. for SASE. (Klinck). **WSHB** 15285  
 f/d "Antenna Curtain" cd. in 1 mo. for SASE. v/s Ms.  
 Cindy Riehm. (Barbour-NH). **WENW** 7425 f/d cd. in 152 ds.  
 (Glotzbach-NM).



**KJES** 15385 cd. w/ personal ltr. and a copy of the "Monitoring Times Article" in 90 ds. for SASE (Glotzbach-NM).

**USA (Pirates): Z-100** 6955 f/d cd. via e-mail in 1 day for an e-mail rpt. (Neal-TX). **Radio Neptune** 6950 f/d QSL sheet #49 in 3 mo. via the Blue Ridge maildrop. (Dybka-TN).

**United Patriot Militia Bingo** 6925 f/d QSL sheet "Advocating Patriotism through the playing of Bingo" in 26 ds. The sheet featured pictures of Alex Draper, the Montana Militia, Beans and Jacques LaMilne. (D'Angelo-PA).

**VATICAN CITY: Radio Vatican** 11625 via

**STATION NOTES: Falun Dafa Radio** 9310 v/s Yuan Li. Addr: Fang Guang Ming Inc., P.O. Box 117, Buford, GA USA 30518. **Radio Free Vietnam** 15735 v/s Vuong-Ky-Song, Director. Addr: P.O. Box 29245, New Orleans, LA 70189. **Radio**

**Interoceania** 4840 v/s Edwin Riera S., Director. **Radio Africa**

**Internacional** 15485 via **Julich** v/s Donna Niemann, Executive Producer. Addr: Global Ministries, 475 Riverside Drive, New York, NY 10115  
**KAF The Voice of the Lord** 9405 Addr: P.O. Box 2194-M, Makati Central Post Office, Metro Manila, Philippines... via PLAY DX... Sam.



BRANCH OF FEDERAL STATE SERVICE  
THE BROADCAST TELEVISION AND RADIO BROADCASTING COMPANY  
**CENTER OF BROADCASTING AND  
RADIO COMMUNICATIONS No.2**  
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USA  
dmrval@comcast.net

St. Petersburg  
September 26<sup>th</sup>, 2000

Radio Chechnya Svyobodnaya  
Cast Number No. 115

Dear Mr. Martin,

Thank you very much for your reception report of our Radio Chechnya Svyobodnaya relay. I am very glad to tell you that all details of your report are correct.

Date: September 16<sup>th</sup>, 2000  
Frequency: 12045 kHz  
Time (UTC): 08.57 - 09.49+  
Time (Moscow): 12.57 - 13.40+  
Transmitters location: St. Petersburg-Popovka  
Total power of transmitters: 400 kW  
Curtain aerial azimuth: 147 degrees

Distance: 1m (to RZ32) Antenna: 13 meters antenna trap dipole Location: Atlanta, Georgia, USA

Here is the current schedule of all our about wave Radio Chechnya Svyobodnaya relays via St. Petersburg:

7315 kHz	0200-0300 UTC
7315	1300-2000
9640	1700-2000
12045	0200-1700
15820	0530-1400

Unfortunately, I do not know a Radio Chechnya Svyobodnaya exact postal address (apparently they still are on Pyatinskaya ul. 25 in Moscow). I also think they do not verify reception reports...

But I hope this technical verification will be interesting for you.

Yours sincerely,

Mikhail Timofeyev  
QSL verify  
mty@comcast.net

**Santa Maria Di Galeria** f/d "Antenna" cd. w/ schedule, postcards, calendar and stickers in 11 ds. for 1 IRC. (Barbour).  
\* **Voice of Russia** 9765 e-mail QSL in 1 day from Mrs. Elena Osipova, Letters Department. She said a f/d QSL will follow in a month. (D'Angelo-PA).

**ZAMBIA: Radio Christian Voice** 9865 f/d "Reflections of the Cross" cd. in 44 ds. w/ ltr. C/V # 137. (Humenyk-ONT). **Radio Zambia** 6265 f/d cd. in 188 ds. (Glotzbach-NM).

*Rather short column  
this month.  
Best of QSLing.*

*Sam*

# Net Notes

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

## The 60m band is toast... pt 2

Last month we wrote about a new invader of the HF spectrum. It's an HF radar system, spec'd at 40w, sending pulses out between 4.5 and 5.5 MHz, is designed to tell all about ocean currents and conditions. The radar effectively eliminates any possibility of listening to the usual Africans, Latin Americans and Pacific stations heard on 60 meters.

There is feedback.

**Harry Helms**(CA) writes, "The FCC doesn't license or otherwise control military radio transmitters, and so are actually off the hook for this one."

**Mark Fine**(VA) notes 6 signals : 4370-4402 Maritime; 4522-4552 Aero; 4634-4660 Aero; 4773-4802 60m; 4802-4831 60m; and 4894-4920 60m. "I've annotated the specific allocations for these. Note that half of it is well within restricted frequency bands, potentially interfering with long distance air control and maritime distress and rescue frequencies. This is in addition to the 60m broadcast band, which is of course getting obliterated." Mark's comments and a recording were aired in an Amateur Radio Newsline broadcast on February 8.

**Glenn Hauser**(OK) reprinted interesting correspondence between Mark Mohrmann and Don Barrick, the president of CODAR Ocean Sensors. See DXLD 2-021.

**John Cobb**— an old friend from the days of the Newark News Radio Club — in GA reports hearing 5 sweeping ranges between 4375 to 4920 kHz at 0130 UT on Feb 8. In fact, Cobb reported this to Hauser last fall; see DXLD 1-164. He writes, "They should have to coordinate through the proper frequency authorities for the assignment. It is so spread out now, taking over 150 kHz of spectrum, it seems that no thought was given to this beforehand." I'm sure there was thought, but I suspect CODAR personnel didn't expect the signals to be so widely heard with such a devastating effect.

**Mark Mohrmann**(VT) has additional information and photos on his Web site. He writes, "Mr. Barrick was certainly pleasant in his e-mails but he has no real incentive to please the sw/dxing community. If the changes he says really take place I think it will happen because of pressure from others with more at stake."

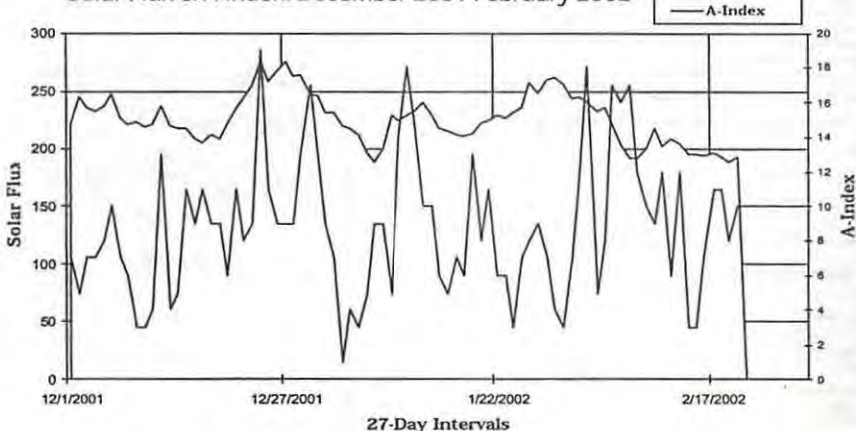
[www.codaros.com](http://www.codaros.com)

[www1.etl.noaa.gov/codar/](http://www1.etl.noaa.gov/codar/)

[worldofradio.com/dxld2021.txt](http://worldofradio.com/dxld2021.txt)

[www.rovers.net/~hackmohr/swiper.htm](http://www.rovers.net/~hackmohr/swiper.htm)

Solar Flux & A-Index: December 2001-February 2002



# Contributors' Page

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

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## DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
Sean BARBOUR, NH	ATS 818, RS antenna system
Jerry BERG, Lexington, MA	R8A 165' LW
Paul BROUILLETTE, Geneva, IL	Drake R8, ICF2010, 60' long wire
Eric BUENEMAN, Hazelwood, MO	ATS803S, MFJ-1778, G5RV, MFJ956 tuners
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
Rich D'ANGELO, Wyomissing, PA	Drake R8B, Lowe HF-150, DX Sloper
Mark FINE, Remington, VA	Drake R8A, 150' longwire
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
George GLOTZBACH, Santa Fe, NM	R8B ARA-60
Fred KOHLBRENNER, Lansdowne, PA	Drake R8
George MAROTI, Mt. Kisco, NY	R8B, 2010, 30/45 m. dipoles
William McGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX-320, HF150, SE3, active antenna
David MUEHLING, Portsmouth, NH	Sat 800, 40' antenna
Mike PACE, Tipton, IA	Drake SW2, MFJ1022
Sheryl PASZKIEWICZ, Manitowoc, WI	Sony 2010
Juan V. SALINAS, San Antonio, TX	Drake SW8, built telescopic whip
Tom WILLIAMSON, Peterborough, ONT	HF-225, R-1000, 60 m. Delta loop, 80' inverted v
Gerald WITHAM, Keaau, HI	R8, 185' split LW, ANC-4
Dan ZIOLKOWSKI, WI	info not available

Spring is in the air and its Winterfest time. Not much of a winter here in the north east this year, so far. With the solar flux numbers starting to fall and the spring equinox approaching, there is the potential for good DX. Keep the logs coming. Due to a foul up, Mr. Alexander's logs did not make the list. I kept looking for his letter and finally located it at the post office but too late. His logs will appear next month.

73

Bob Montgomery



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FOR SALE: "WRTH '97, \$10, 2000 \$18, 2001 \$20. Complete NASWA Journals '99 \$15; 2000 \$17, 2001 \$18. Perry Ferrell's Guides: RTTY Freqs. 2nd Edit. \$5; Confidential Freq. Lists, 5th edit. \$6; 6th edit. \$11; 7th edit. \$13. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann 389 Laurel Heights Lane, Tryon, NC 28782-6643. E-mail [aldreh@alltel.net](mailto:aldreh@alltel.net) Phone 828 894-3398. No collect calls, please

# Tropical Band Loggings


2000-5900 kHz

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

- 3059.8h **VENEZUELA Radio San Felipe** 2/5 \*1004-1102, opening ID and sign on announcements followed by lively vocal and long talk until 1059 ID followed by a woman talking. Fair to good signal. (D'Angelo/FCDX-PA)
- 3205 **NEW GUINEA R. Saundaun** 1/23 1138-1214+, Vern pops, good (Line-KS)
- 3215 **SULAWESI RRI Manado** 1/24, 1209, RRI nx //others, poor (Lineback-KS)
- 3235 **NEW BRITAIN R. West New Britain** 1/9 1150-1203 Finally after 3 weeks or so, some 90 meter PNG's! Choral music at tune-in, then the OM DJ took a listener's phone call. Some decent propagation with low noise on the band; SINPO 24343. Re-check at 1203 had some UTE QRM that wasn't there before. (Maroti-NY) 1/23, 1136-1213+, OM in Vern/EG, Fair under UTE (Lineback-KS) 1/23 ar 1158-12.08 with annces in dialect,local mx (Will-ON)
- 3245 **PAPUA Kerema R. Gulf** 1/24 1221-1225 with choral singing;poor (Will-ON)
- 3265 **SULAWESI RRI Gorontalo** 1/26 1150, Indo pops, poor (Lineback-KS)
- 3275 **PAPUA R. Southern Highlands** 1/9 1155-1156 Presumed to be them, with typical vocals heard on the PNG stations. SINPO 24342. (Maroti-NY) 1/23, 1136-1211+, OM in Vern/EG, Vern pops, fair to good, (Lineback-KS) 01/20.1233-1240 with jady anncr in dialect;fair (Will-ON)
- 3279.5 **ECUADOR Radio Maria Ecuador via La Voz del Napo** 1/3 0847-0915, long religious talk by a man followed by choir vocals with an ID (D'An-PA)
- 3291.3 **GUYANA Radio Guyana** 1/31 0856-0916, man with English talk to 0900 when ID and News was heard. This was followed by program previews at 0910. Good signal with no QRM but very low audio. (D'Angelo-PA)
- 3305 **NEW GUINEA R. Western** 1/23 1136-1212+, OM in Vern, Poor (Line-KS)
- 3310 **BOLIVIA Radio Mosoj Chaski** 1/31 0901-0923, flute music followed by a man with ID and long talk in Quechua lang. More mx (D'An-PA)
- 3315 **ADMIRALTY ISL R. Manus** 1/9 1156-1204\* Weak at tune-in, talk by YL as they were signing off; choral national anthem, then bird calls. SINPO 24342 (Maroti-NY) 1/23, 1135- 1211+, Vern pops, Fair (Lineback-KS) 1/24 1150-1200 talk in dialect by man; poor (Will-ON)
- 3316 **SIERRA LEONE Sierra Leone Broadcasting Service** 2/4 2247-2322+, spotted after numerous earlier checks failed to yield even a carrier. Talk by a woman followed by tribal vocal program. Fair signal (D'Angelo/FCDX-PA)
- 3325 **BOUGANVILLE R. Bougainville** 1/23 1140, Vern pops u/Guat (Line-KS)
- 3325 **KALIMANTAN RRI Palangkaraya** 1/12 1359, Indo pops, OM in Indo, IS, nx, good, better than 4753, (Lineback-KS)
- 3345 **MOLUCCAS RRI Ternate** 1/26 1152 Indo pops, Poor (Line-KS)
- 3346 **BELARUS Radio Mayak** 1/21 0342 Popular and light rock music with Russian vocals. Songs interspersed with quick announcements and sweepers by man in an apparent DJ style. Intro music then apparent news items read on top of music (sounded almost like the Miami Vice theme) (Fine)
- 3360 **GUATEMALA Voz de Nahuala** 0250-0320 Nice mx at tune in. Lasted till toh and then announcements with possible ID at 0301 then to more talk. Positive ID hrd at 0309 and more talk in SS. Mostly that of prg information. Far better copy before toh. Back to mx prg at 0312. (Montgomery, PA)
- 3375.1 **PERU Radio San Antonio** 2/6 1030-1053 fade out, rustic vocals with a man announcer providing IDs, TCs and Spanish chatter. Mixing with Brazilian when first checked around 1010 but this one improved as Brazil faded down. Fair at best point. (D'Angelo/FCDX-PA)

- 3380 **MALAWI MBC Radio One** 1/29 2145-2200\* Thanks to Vaghjee tip, heard with "African" music at tune-in, followed by talk by OM. At 2158, a YL began the sign-off procedure, including an ID as "Malawi Broadcasting Corporation". National anthem at 2159, with transmitter off at 2200. Due to high QRN, SINPO was only 24332 on my 45 meter dipole. However, I'm not sure their signal will improve very much as Ghana 3366 and Liberia 4760 were heard at the same time with very good signals. Still, really nice to have them back on 90 meters. (Maroti-NY) 0319-0340 Rough copy at tune in but soon climbed out of the mess and was able to get an id at 0327 and again at 0329 in EE as MBC Radio 1 by male announcer. S 9 levels and fairly clear at 0332. Interludes of mx thru nx cast. Some of the broadcast in EE and a second unknown language. Lots of time checks. (Jan 31, Montgomery, PA)
- 3905 **IRIAN JAYA RRI Merauke** 1/25 1204 RRI nx after RNI s/o; 1/26, 1205, YL in Indo and Indo pops after RNI s/o, Poor (Lineback)
- 3905 **NEW IRELAND RNI** 1/25 1158-1203\*, Vern pops, YL in Vern, GSTQ and off revealing RRI Merauke, Poor under AM AROs, (Lineback-KS) 1/25 1200 with choral singing, man. anncr; crood but ham QRM (Will-ON)
- 3959 **SULAWESI RRI Palu** 1/31 1351, YL in Indo, poor (Lineback-KS)
- 4010 **RUSSIA V of Russia** 1/5 1143-1158 Hoping to hear Kyrgyzstan, I finally got some audio out of this one. Although SINPO was only 14231, the cadence of the OM announcer sounded like Chinese. Some music with vocals was heard until 1158 when I heard the VOR interval signal. According to PWBR, VOR is scheduled to be on this frequency via Vladivostok with 100 kW the entire winter. No joy. (Maroti-NY)
- 4052.5 **GUATEMALA Radio Verdad** 2/6 0402-0428, woman with religious vocals followed by Spanish talk by a man. At 0406 multiple formal IDs including frequency announcement and mailing address in Spanish and English encouraging reception reports and financial offerings to the ministry. Fair to good signal. (D'Angelo/FCDX-PA) 01/28 1140 with end of ID mentioning Guatemala, Central America; annces in SS by man; fair (Will-ON)
- 4330 **CHINA Xinjiang PBS(p)** 1/21 1216-1224 talk by lady in lang (Will)
- 4421.3 **PERU Radio Bambamarca** 2/6 0955-1026, male announcer with Spanish talks hosting musical program with frequent ment Bambamarca (D'An-PA).
- 4471.7 **BOLIVIA Radio Movima** 2/5 2317-2324, long Spanish talk by a man announcer with ID and TC followed by rustic vocals. Poor. (D'An-PA)
- 4649 **BOLIVIA Radio Santa Ana** 2/5 2322-2336, man and woman announcers talking in Spanish with ID in passing. Poor signal with infamous smocher QRM making this one real tough tonight. (D'Angelo/FCDX-PA)
- 4681.6 **BOLIVIA Radio Paititi** 2/5 2325-2334, program of rustic vocals hosted by a male announcer with Spanish talks. Weak signal. (D'Angelo/FCDX-PA)
- 4725 **MYANMAR RM** 1/26 1323, YL in presumed Burmese, fair w/hum (Line)
- 4746.8 **PERU Radio Huanta 2000** 2/5 2335-2343, OA vocals hosted by man announcer with ID and ads. Poor signal. (D'Angelo/FCDX-PA)
- 4750.1 **PERU Radio San Francisco Solano** 2/5 1037-1051, lively vocals hosted by a man with Spanish talks, TC and ID. Fair reception. (D'An-PA)
- 4753.4 **SULAWESI RRI Makassar** 2/5 2158-2218. Song of the Coconut Islands, Jakarta ID and news read by a woman announcer. Music played from 2212. Fair at peak but almost gone by tune out. (D'Angelo/FCDX-PA)
- 4755.2 **BRAZIL R Educ. Rural** 2/1 0129 PT OM talk, sound effects, mentioned Brazil (Paszkievicz WI)
- 4760p **INDIA AIR Pt. Blair** 1/12 1200 fading in before 1200 and out by 1215, YL in lang, very poor, best on 70 degree ant. (Lineback-KS) 1/26, 1208, Subcont. mx, poor; TP @ 1230 and YL w/EG nx //4860; 1311 at fair level w/subcont. mx, usually fades in about 1200 (Lineback-KS)
- 4770 **ECUADOR R. Centinela del Sur** 1/24 \*1109 with SP mx, no talk until ID as "R. CDS" at 1114; TC, man talking. This one pops on at a different time every day with no formal s/on sequence, e.g. \*1047 Jan 25, but always has an ID arnd 1110-1115. (Berg-MA)

- 4775 **INDIA AIR Imphal** 1/17 1232-1235 man in ?Hindi;fair (Will-ON)
- 4789 **IRIAN JAYA RRI Fak-Fak** 1/25 1207, RRI nx, poor to fair (Line-KS)
- 4790 **INDIA AIR Chennai** 2/5 0028-0045\*, man with talk in Tamil language alternating with Hindi vocals. ID and closedown announcements at 0044 prior to carrier being cut. Fair. (D'Angelo/FCDX-PA)
- 4796.5 **BOLIVIA Radio Mallku** (presumed) 2/5 0946-0955, talk by man followed by rustic instrumental until carrier disappeared at 0955. Poor to fair signal with 60-meter smoocher QRM. (D'Angelo/FCDX-PA)
- 4799.8 **GUATEMALA R. Buenas Nuevas** 0210-0238 Exceptional copy. Male announcer with id hrd clearly at 0231 and again at 2134 and then suddenly went off at 0237. Some very nice music (Montgomery, PA)
- 4810 **ARMENIA Voice of Armenia** 2/6 0309 Continuous local music with mostly female vocals. Program went without an announcement until 0350. Station continued with ID in Spanish, followed by news items in an unid language (sounds close to Russian), read by a man, until 0357. Traditional music with male vocals through 0359, followed by another brief announcement and more traditional music at the top of the hour. Fair signal, hindered by that blasted swooper and other assorted artifacts. Listened in LSB due to RTTY on upper sideband. (Fine-VA)
- 4815 **BRAZIL Radio Difusora Londrina** 1/19 0016-0034, man with Portuguese talk and ID with lively Brazilian pop vocals. Fair but swisher QRM. (D'An-PA)
- 4820 **TIBET** presumed **Xizang PBS**, Lhasa, in CH with CNR3 prgmng via Baoji site (Shaanxi Prov.) per sked at NDXC URL (Berg-MA)
- 4834.9 **PERU Radio Marañon** 1/22 1055-1104, lively Peruvian vocals until 1059 ID and talk by a man in Spanish. At 1100, TC and a woman with another ID followed by a man and a woman with news. Fair. (D'Angelo-PA)
- 4845 **MAURITANIA Radio Mauritanie** announcer in Arabic 0024 utc, Afro/Arabic music with some reggae 0036 - 0045, ID at 0101 utc, good (Mueh-NH)
- 4850 **CHINA CNR Beijing 2** 1/12 2245-2250 EE lessons at tune in. Fair to good copy. Interesting as could not figure at first what it was but China with its interesting EE lessons by male announcer at S7 level. Talks about international jazz of New Orleans. // 7200//11800. (Mont-PA)
- 4850 **INDIA AIR Kohima** 2/5 0036-0050, man with end of the news followed by Hindi vocals. Fair but watery signal. (D'Angelo/FCDX-PA) 1/7 1232-1235 news in English from // Delhi;fair (Will-ON)
- 4874.6 **IRIAN JAYA RRI Sorong** 1/31 1151-1158\*, Indo pops, pulled plug in middle of song, poor (Lineback-KS)
- 4920 **INDIA AIR Chennai** 1/26 1326, subcontinental mx under China (Line-KS)
- 4920 **TIBET** presumed **Xizang PBS**, Lhasa, in Tibetan via Xian site (Shaanxi Prov.) per NDXC sked, //4905 (also listed as Xian). Mx at fade-in arnd 1125 Jan 11, lady talking 1129, orch. mx, man at 1130. (Berg-MA)
- 4926 **SUMATRA RRI Jambi** 2/5 2237-2305, Middle Eastern music until Song of the Coconut Islands at 2259 followed by a woman (D'An-PA)
- 4930 **DOMINICAN REP R. Barahona** 1/7 1136; seems regular lately. Thought them with nx at 1136 Jan 7, UTC-4 TC at 1139, ad. Agn at 1100 Jan 8, fast moving two-ancr nx, ments. of Dom. Rep., several ments. of "Barahona" tho no ID as such until given by a guy during a field rpt at 1107. (Berg-MA)
- 4930 **TURKMENISTAN Turkmen Radio Ashgabat** 1/21 0322 Continuous light classical music. Announcements by woman in presumed Turkmen, ID at 0324. Program change at 0330, which was introduced by gongs then music and announcements read by a man. Good signal with little fading (Fine-VA).
- 4945 **BRAZIL Emissora Rural A Voz do São Francisco** 2/5 2348-0019, mix of vocals and talks in Portuguese with ID and ad string at 0002. Fair with some RTTY slop. (D'Angelo/FCDX-PA)

- 4950 **ANGOLA R. Nacional** 1/20 0330 with non-stop big production African vocal mx. Talkover by man in PT at 0357, mx agn, ID 0400, pips, then presumed nx with many ments. of Angola and Luanda. (Berg-MA)
- 4960 **ECUADOR R. Federacion Shuar (P)** 1/30 1113 LA music with organ. Fair signal, in clear. 1114 Man with talk, then 2nd Man joins in. Not Spanish, so Shuar as listed? (Ziolkowski-WI) 0041-0100 Possibly the most bizarre broadcast I think I may have heard. At tune in a guy giving off marching counts or something like it in a demanding fashion. Then female mentions something Islamic and then to some really wild mx. Ecuadorian mx at 0044 for a short time. ID not hrd but tentative. A number of tunes started but never completed. Male announcer with comments at 0047. S6 level with many fades. (Montgomery-PA)
- 4960 **SÃO TOME Voice of America** 1/30 0215-0330 EE, State of the Nation speech by the President. Fair copy with some fades at S-9 level. Most of the speech was audible. (Montgomery, PA) 1/24 0525 noted with talk on one of the memorials to the victims of the World Trade Center attacks in English. Fair signal (333). (Bueneman-MO)
- 4965 **ZAMBIA Christian Voice** 1/24 2130 African-accented EG talk at 2130, soul mx 2134, then UK-accented EG (I guess that's actually "non-accented" EG), African mx. ID 2145 with invitation for ltrs to P.O. Box 606, Lusaka, and I think they also gave the UK address. The corporate name may now be Voice Intl, but they still ID as Christian Voice, as does the Darwin stn. (Berg-MA)
- 4970 **INDIA AIR Shillong** 1/4 1230 English news // 4860 Delhi; fair (Will-ON)
- 5009.8 **DOM REP R Cristal** 1/29 1140, OM w/SP ID & Talk, poor audio. (Line-KS)
- 5010 **HONDURAS HRMI** 1/20 0310 with "La Palabra de Dios," man preaching in EG and pausing for translation into SP, upbeat religious pop song "Hallelujah" at 0316, 0320 SP preaching, more mx. SP ID at 0327 incl. TC, ID as "La Voz de Misiones Internacionales en Honduras," giving address as P.O. Box 20583, Comayaguela, Distrito Central. Good signal (Berg-MA)
- 5019.9 **PERU R. Horizonte Chachapoyas** 2/3 0009 TC, OA mx, pops, talk between songs, 10 min. ad string at 0020, back to mx, more ads 0050. Only ID a quick "Horizonte" by woman at 0056, but in ads several many ments. of Chachapoyas and Amazonas. Tho QRM on both sides, unusually good level this night until the ID, after which the signal dropped off as if someone had turned the power down. (Berg-MA)
- 5020 **SOLOMON ISL SIBC** 1/26 1323, BBC EG, Fair (Lineback-KS)
- 5025 **BENIN Radiodiffusion du Benin** Parakou 2/5 2150-2158\*, man and woman with French talks prior to ID and sign off announcements. (D'An-PA)
- 5025 **BRAZIL presumed R. Jornal da Transamazonica** 1/27 0205 fast moving live sports ancr, what I think was a quick ID at 0211 in the midst of some promos, back to sports. Het from something on 5023.86. (Berg-MA)
- 5039.2 **PERU Radio Libertad de Junin** 2/6 1010-1018, rustic male vocals followed by a woman announcer with ID and Spanish talk. Poor to fair (D'An-PA)
- 5040 **INDIA AIR Jeypore** 1/3 1210-1232 with talk, drama, songs in HD (Will)
- 5145 **CHINA China Radio Intern** 1/29 1110 talk by two Men listed as Mongoli. Weak, in clear. Parallel 5850 much weaker, choppy, noisy (Ziol-WI)
- 5500 **ERITREA Voice of Peace and Democracy of Eritrea** (presumed) 1/22 \*0312-0351, instrumental music opening followed by opening announcements by a man and apparent news. Program consisting mainly of talks with short musical segments. Man with apparent sign off announcement at 0351. At 0354 familiar Voice of Tigray Revolution IS heard with station opening at 0359:30. Good signal //6350 fair with some UTE QRM. (D'An-PA)
- 5678 **PERU R. Ilucan (P)** 1115 LA music, weak, in clear. Sunrise at transmitter now. Man with a few words in Spanish, to male vocal. poss ID (Ziol-WI)
- 5765U **GUAM AFN** 1/26 1130 decent signal with prgm on computers, //6350 (Hawaii, very good), 6458.5U (Puerto Rico, also VG). (Berg-MA) 

# International Band Loggings

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

- 5930 SLOVAKIA *RST* in EG \*0100, ID, nx, "Slovakia Today", interview, fqys, web, f (Barbour NH 1/9)
- 59696 CHINA *R Gannon PBS* Hezuo in Tibetan 1120, slow CH singing, p, wiped out by Sackville relay of R Nederland at \*1129, //6075 Yushu (Berg MA 1/20)
- 5975 GERMANY *High Adventure Ministries* relay via Juelich in EG/PT 0859, ID, African vcls, talkover in PT 0357, pips, nx?, many ments Angola and Luanda (Berg MA 1/20)
- 5990 CUBA *China R Int* relay in EG 2320, tlk re pgm to protect world's folklore intellectual property, poor modulation but strong signal w/hum (Brouillette IL 1/13)
- 60499v NIGERIA *R Ibadan* in EG 2113, tlk on unfair promotions within the police forces, nx, ID, into relig sermon, sports rpt (D'Angelo PA FCDX/PA 2/4, Kohlbrenner FCDX/PA 2/4)
- 6055 JAPAN *R Tampa* Tokyo in JP 0955, chatter by OM/YL, instrum'l mx, //9595 (Kohlbrenner 2/5)
- 6055 RWANDA *R Rwanda* Kigali in FR 2057, clear after Slovakia\*, group tribal songs followed by 3 pips, at 2100\* without usual s/off routine (D'Angelo FCDX/PA 2/4)
- 6125 RUSSIA *R Rossii* via Samara relay \*0156, 5+1 pips at s/on, ID, nx, f-g (Berg MA 2/3)
- 61348 BOLIVIA *R Santa Cruz* in SP 0944, mx, ID, OM tlks, phone #, TC, f (D'Angelo FCDX/PA 2/6)
- 6200 CHINA *Tibet PBS* Beijing in Tibetan 1202-1303, long tlks, mx, ID?, f, //6130 (D'Angelo 2/6)
- 61493v EQUATORIAL GUINEA *R Nacional* Malabo in SP 2202, tlks, hi-life vcls, p-f (D'Angelo PA 1/13) OM and YL w/SP vcls, drums 2000, ID, nx?, p (Kohlbrenner FCDX/PA 2/5)
- 6536v PERU *R Huancabamba* in SP 0115-0205\*, ID, lively Peruvian vcls, NA, f (D'Angelo FCDX 2/5)
- 69566v PERU *LV del Campesino* Huarmaca in SP 0035, upbeat OA mx, ID, tlk, vg (Berg MA 2/3)
- 6973 ISRAEL *Galei Zahal* Jerusalem in HB 0315, Euro/Israel pops, few ancmts, g (Williamson ONT 1/10)
- 7115 INDIA *AIR Panaji* in Malay 1745, lcl mx, QTH, tlk, ID, best on //12025 (Witham HI 1/22)
- 7125 MOLDAVIA *V of Russia* relay in SP/RS 0200, ID, fqy, sked, IS, national nx, g (McGuire MD 2/1)
- 7130 ALBANIA *R Tirana* in EG 2232, reading Albanian newspapers, ID, mx, mailbag (Barbour NH 1/13)
- 7165 MOROCCO *VOA* relay in Croatian 0535, nx rpts, tlks, IS, //9615 both poor (Witham HI 1/23)
- 7180 RUSSIA *V of Russia* via Armavir relay in EG 0303, nx, "New Market", econ pgm on Russia's WTO aspirations, exc, //7250 (Brouillette IL 1/9)
- 7180 NORWAY *R Denmark* relay in DN 0620, nx rpts, tlks, IS, ID, speech excerpt, //5945 (Witham 1/22)
- 7185 MOROCCO *RTV Marocaine* in AR 0330, AR mx, ID, fast-paced nx briefs (Brouillette IL 1/9)
- 7190 GERMANY *R Liberty* relay in RS 0515, tlk, interview, fone rpt, vcls, ID, //11885 (Witham HI 1/23)
- 7195 RWANDA *D Welle* relay Kigali in SH 0345, Afro pop mx, tlk, nx, IS, into EG 0400 (Brouillette 1/9)
- 7195 GREECE *VOA* relay Kavala in EG 0035, rpt on kidnaping journalist in Pakistan, ID (McGuire 2/1)
- 7225 TUNISIA *RT Sfax* in AR 2138, nx headlines, interview, "Studio al Media", exc (Brouillette IL 1/19)
- 7260 RUSSIA *V of Russia* via Petropavlovsk in Eg 1715, mailbag, rpts on cancer research in Russia and population density in Siberia, //5890 from Armavir relay (Witham HI 1/22)
- 7265 GERMANY *SWR Stuttgart 3* in GM 0340, DJ pgm w/pop mx, lots of chatter, mention Baden-Baden and other south GM cities, booming signal from 20 kw xmr (Brouillette IL 1/18)
- 7270 ALBANIA *R Tirana* in AL 0350, folk mx, apparent messages and contact phone #'s to/from relatives of persons displaced by war in Yugoslavia, exc (Brouillette IL 1/18)
- 9510 ROMANIA *RRR* Bucharest in EG \*2300, IS, ID, fqy sked at s/on, rpt on Moldova, g (McGuire 1/23)
- 9540 POLAND *R Polonia* Warsaw in EG 2045, nx, cmtry, songs, QRM, //7165 worse (Williamson 1/24)
- 9550 BANGLADESH *Bangladesh Betar* in EG 1827, tlk, ID, local mx, some audio hum (Fine VA 1/26)
- 9565 IRAN *VOIRI* Sirjan in FR 1905, mx/tlk format, mention terrorists, p, //7135, 9805 (Witham HI 1/26)
- 9580 AUSTRALIA *RA* in EG 2050, Australian Open tennis coverage (Barbour NH 1/22) in EG 1116, cmtry on environment and diseases, global markets, nx re Afghan refugees (Face IA 1/22)
- 9710 test LITHUANIA *Fundamental Broadcasting Network (WTJC)* via Sitkunai relay in EG \*0800, canned ID's, postal & E-mail addresses, ment availability of pgms on 9375 and the Internet, religious pgmg, "Sermon and Song", QRM from R Australia (Berg MA 1/27)
- 9815 GERMANY *D Welle* Wertachtel in EG \*2300, IS, ID, rpt on Afghanistan, g (McGuire MD 1/24)

- 9875 **GERMANY D Welle** Wertachtel in PT 0525, tlk, ment Washington, G. Bush, Americano..ID, IS, //11735, both fair (Witham HI 1/26)
- 9885 **GERMANY AWR** relay Juelich in BG 0545, tlk, mood mx, chorals, ID as "Adventist World Radio, the Voice of Hope", s/off at 0559 and s/on of Swiss Radio on same fqy at 0600 (Witham HI 1/23)
- 9990 **EGYPT R Cairo** in EG 2203, short stories, ID, nx re Mideast conflict, pgm re "Valley of the Kings", "Music Box" w/AR mx, f-p (Barbour NH 1/15) in EG 2220, mix of AR/western mx (Fraser MA 1/10)
- 11620 **INDIA AIR** Bangalore in Urdu 0245, Indian mx, ID at 0300, g (Williamson ONT 1/25) in EG 2220, economic review cmntry, g (Fraser MA 1/14)
- 11734 **TANZANIA RTZ** Zanzibar in SH 2059\*, regional mx, instrum'ls, nx? at 2002, AR style mx, NA at s/off (Kohlbrener FCDX/PA 2/4)
- 11787 **IRAQ R Iraq Int** in EG 0242, traditional mx, tlks, ID's at 0246, 0251, and 0301, booming signal but Typical Middle-Eastern-overmodulated voices w/some hum (Fine VA 1/31)
- 11805 **RWANDA D Welle** relay Kigali in GM 0550, tlk w/symphonic orch conductor, symphonic excerpts, ID, f, //9735 p (Witham HI 1/22)
- 11840 **JORDAN R Jordan** in AR 2350, interview w/Palestine expert, pips, ID, nx, exc (Brouillette IL 1/26)
- 11870 **IRAN VOIRI** Kamalabad in EG 1605, story about the rewards of doing good deeds and by following the Holy Koran; also wealth doesn't bring happiness, ID, //9605 (Witham HI 1/23)
- 11875 **GERMANY R Liberty** relay Lampertheim in RS 0635, group discussions, ID's "Svabota", tlks, mx bridges, //11885 both poor (Witham HI 1/23)
- 11905 **UZBEKISTAN R Tashkent** in EG \* 2130, YL w/"R Tashkent Calling" pgm, ID, nx, cmntry on Uzbek culture and history, s/off 2158, exc (Barbour NH 1/23)
- 11905 **MOROCCO VOA** relay in AL 1720, nx, ID, remote rpts, tlks, p, //9705 f (Witham HI 1/23)
- 11910 **GEORGIA GR** Tbilisi in EG 1843-1857\*, nx, cmntry, lcl mx, vcls, f-p w/some QRM (Fine VA 2/15)
- 11940 **ROMANIA RRI** in EG 2325, opera in Romania, "Romanian Encyclopedia" (Brouillette IL 1/26)
- 11960 **GUAM KSDA AWR** in EG 2135, relig tlk, cmntry on climate change, ID, "Focus on Family Health" website, QTH, s/off at 2159\* (Barbour NH 1/15)
- 11985 **NETHERLAND ANTILLES Deut Welle** relay Bonaire in EG \*0300, IS, ID, rpt on Afghanistan, mention of Taliban activities, g (McGuire MD 1/15)
- 12005 **TUNISIA RTV Tunisienne** Sfax in AR 0345, AR songs, ID, S-9+, //7275, 9720 (Muehling NH 1/20)
- 12015 **GERMANY AWR** relay Juelich in BG 1825, instrum'ls, ID's "V of Hope" in EG (Witham HI 1/26)
- 12045 **ANTIGUA D Welle** relay in GM 2310, political cmntry on domestic issues, exc (Brouillette 1/26)
- 12060 **MADAGASCAR R Voice of Hope** in EG/AR \*0427, ID, nx in AR followed by childrens's choir, f-g but for bubble jammer in background, //15320 (D'Angelo PA 1/19) 1 hour pgm heard Sats only
- 12085 **MONGOLIA V of Mongolia** Ulan Bator in EG \* 1030, pgm re positive views towards USA since fall of the Soviet Union, IS, ID, sked, tlk on the problem of low wages (Salinas TX 2/2, Kohlbrener 2/5) in Mongolian? 0925-0938, soft instrum'ls, ancmt, IS, ID, nx, f-g w/some fading (D'Angelo PA 1/31)
- 13610 **SYRIA R Damascus** in EG 2107, AR mx, sked, fqy, wx rpt, TC, ID, nx, f (Barbour NH 1/23)
- 13680 **CANADA China Radio Int** relay in EG \*2300, IS, ID, nx, rpt on Pakistan, g (McGuire MD 1/19)
- 13705 **RUSSIA R Rossii** Moscow in RS 1600, ID, TC, nx, website, promos, QRM (Barbour NH 1/5)
- 13710 **BOTSWANA VOA** relay in EG 2100, "Africa World Tonight", ID, TC, nx, g (McGuire MD 1/24)
- 13745 **NO MARIANAS VOA** relay in VT 2310, lang lesson re American slang, ID, f (Brouillette IL 2/2)
- 13750 **CUBA RHC** Havana in EG 2120, "DX'ers Unlimited" on antenna setups, g (Fraser MA 1/15)
- 13820 **GERMANY R Africa Int** relay Juelich in EG 1735, "Spotlight" re a singer's success, exercise and its benefits, how the WHO is aiding Angolan children, g (Witham HI 1/23)
- 15130 **THAILAND VOA** relay in HD 1650, cmntry, ID, tlks, IS, into Urdu 1700, //9815 (Witham HI 1/23)
- 15140 **IRAN VOIRI** Sirjan in EG 2015, tlk re world peace and how to achieve it thru religion and the UN, mx, ID, pgm sked, s/off 2028, poor, //11695 also poor (Witham HI 1/26)
- 15150 **INDONESIA V of Indonesia** Jakarta in EG 2011, nx, cmntry on living condx in Jakarta, promo on tourism, local pop mx, f (Kohlbrener FCDX/PA 2/4) in FR/EG 1954, FR to 2000, then into EG, nx, cmntry, lcl pop songs, "Neighbors", f (D'Angelo FCDX-PA 2/5) in EG 2033, "Indonesian Wonder" tourism promo, nx re IMF and economic progress, ID, fqys, s/off 2100, f-p (Barbour NH 1/23)
- 15190 **ANTIGUA BBC** relay in EG 1600, "Concert Hall" featuring Beethoven's 5th (Fraser MA 1/13)
- 15215 **SOUTH AFRICA Channel Africa** in EG/PT \*0558, IS, ID's in both languages, pips, fqy, sked, nx abt Africa, g (Bueneman MO 1/23)

- 15220 MOROCCO VOA relay in Hausa 2030, IS, ID, African service, mainly nx, g (McGuire MD 1/24)
- 15225 SOUTH AFRICA AWR relay in Ibo \*0527, soft mx, multi-lang ID's, IS, tlks, f (D'Angelo PA 1/19)
- 15270 PHILIPPINES R *Pilipinas* Tinang in EG 0206, IS, nx features re New York's former mayor, rice, oil in Brunei w/John Denver and Don McLean vcls between items, p-f, //15120 (D'Angelo FCDX 2/5)
- 15275 RUSSIA V of *Russia* relay Vladivostok in EG 0615, rpt on Afghan prisoners in Cuba, ID, "Focus on Asia and the World", RS/Pakistan relationships depend on elimination of extremist groups, f, //21485 (Witham HI 1/23)
- 15320 MADAGASCAR V of *Hope* relay in EG/Sunda \*0429, ID, fqys, TC, YL in Sunda w/many mentions of Sudan, in EG re peace initiatives in African countries, f-p (Barbour NH 1/12) Xmsns on Sats only
- 15335 SRI LANKA D *Welle* relay in Pashto 1755, tlks on world affairs, mx, ID, IS, p, //9495 (Witham 1/26)
- 15340 NEW ZEALAND RNZI in EG 0521, tlk on the cinema in Australia & NZ, g (Bueneman MO 1/24)
- 15340 MOROCCO RTV *Morocaine* in AR 1940, interview, muzak version of "Bad Moon Rising", ID 1950 S-9+ signal (Muehling NH 1/21)
- 15360 SINGAPORE BBC relay in EG \*0000, Big Ben chimes, pips, ID, world nx, p (McGuire MD 1/20)
- 15480 CHINA CNR *Beijing 1* in Mandarin 2316, YL in long narrative, promo-type ancmt, YL and OM in alternate tlks as typical for CH stations, strong sig but bad multi-path echo (Brouillette IL 1/12)
- 15515 CANADA *Deut Welle* relay in GM 1605, ID, nx, rpt on Afghanistan, g (McGuire MD 1/19)
- 15725 test USA WWRB McCaysville, GA in EG 1717, now testing on 9320 and 15725, ancmts were made over old Radio RSA interval signal, 12172 was quiet (Fine VA via TFW 1/20)
- 17640 MOROCCO VOA relay in Amharic 1810-1830\*, Afro nx/mx, sound bites, ID, g (McGuire MD 1/19)
- 17660 FRENCH GUIANA Swiss R *Int* relay in IT 1845, nx, rpts, tlks, ID, exc, //15485 (Witham HI 1/26)
- 17810 SRI LANKA *Deut Welle* relay in EG \*1900, IS, ID, rpt on India, p (McGuire MD 2/1)

## Clandestine, Tentative, Presumed, or Unknown

- 60454 PERU(t) R *Santa Rosa*(p) in SP 0917, long tlk w/no break for ID, fair w/splatter (D'Angelo PA 1/31)
- 6276 UNIDENTIFIED noted at 0235 with "Come All Ye Faithful", weak (Berg MA 1/20) ED: Could this possibly be the "Voice of Hope" from Monrovia, Liberia listed on 6280 with 10 kw.?
- 6798v PERU(t) *Ondas del Rio Mayo* in SP 1132, Latin Am mx, enthusiastic tlk over mx, weak, no ID hrd (Ziolkowski WI 1/26) in SP 1124, non-stop Andean folk mx, no ID, f (Williamson ONT 1/28)
- 68282 UNIDENTIFIED noted at 1120 with CH? tlk, singing, joking by OM, vp (Ziolkowski WI 1/26)
- 6900 TURKEY(t) *Turkish Meteorology Station*(p) in TK 0528, non-stop pgm of TK? vcls, p-f, recheck on 2/15 but noted only carrier from 0458-0520 w/o audio (D'Angelo PA 2/10) ED: lo-power 5 kw listed
- 69956 IRAQ(t) V of *the People of Kurdistan*(p) in Kurdish? 0416, tentative ID, OM/YL ancrs w/interludes of mx, exc signal at S-8 level but ID not decipherable (Montgomery PA 1/26) ED: not bad for 10 kw.
- 7485 UNIDENTIFIED V of *Hope*(t) in EG 1225, tlks by OM & YL, mx selection, f/o 1240, one guess from Bob Padula is V of Hope to China from 1200-1600 relayed from Novosibirsk, Russia. A Japanese source says it is sent from Koror, Palau (Costello NJ 1/27) ED: According to the Feb 9 update to the website "Foreign relays on SW through facilities in the CIS" lists High Adventure Ministries xmtng from Novosibirsk relay 1200-1600 in EG/VT/CH languages. Nothing like a solid ID!
- 119404 CAMBODIA(t) V of *Cambodia*(p) Phnom-Penh hrd from \*2357, pgm of continuous indigenous vcls, weak signal but totally wiped out at 2001 by Romania s/on (D'Angelo FCDX 2/4, Kohlbrenner 2/4)
- 11955 NO MARIANAS R *Free Asia* relay Tinian Is. in Uighur 1645, tlk over mideast mx, ID in EG 1700, f (Witham HI 1/26)
- 15435 UNITED ARAB EMIRATES R *Free Asia* relay in CH/EG 1113, pgm on parent-teen relations, OM in EG and YL translating to CH, into total CH at 1109, g (Barbour NH 1/30)
- 15485 PAKISTAN(t) R *Pakistan*(p) in Urdu 0120-0200, several tunes in AR?, long tlks, mention of Pakistan at 0200 and again at 0201 (Montgomery PA 2/12)
- 15705 SRI LANKA(t) VOA relay(p) in Farsi(listed) 0302, Afghanistan regional nx, bland Western-style mx bridges, partial ID stating pgm from Wash DC, strong but fluttery signal (Brouillette IL 1/5)
- 21550n? CLANDESTINE *Millennium Voice* in AR/EG \*1330, sudden s/on w/regional vcls, ID in both langs, rest of one hour xmsn consisted of long tlks with ID's in both langs between segments, solid signal but mixing with Christian Voice on same fqy, s/off at 1430 (D'Angelo FCDX/PA 2/5)



# the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

## THE BRITISH BROADCASTING CORPORATION

Telephone  
WELBECK 4468



Telegrams  
ETHANUZE, LONDON

BROADCASTING HOUSE, LONDON  
W. 1

When replying please quote E/MBG

21st July, 1932.

Mr. George D. Sallade,  
649, Vester Place,  
Sinking Spring,  
Pa.  
U.S.A.

Dear Sir,

We have to acknowledge with sincere thanks your letter concerning the transmissions of our experimental short-wave station G.5SW.

For experimental purposes G.5SW relays extracts from the Daventry National and London Regional programmes daily (Sundays excepted) at the following times:-

1245 - 1330 B.S.T. Mondays to Fridays, 1300 to  
1400 Saturdays.  
1830 - 2400 " Mondays to Saturdays.

Three special News Bulletins are read daily at 1230, 1815 and midnight, but on Saturdays the first Bulletin is read at 1245 instead of 1230.


The wave employed is 11,750 kc/s (25.53 metres), and the power of the station is approximately 12 kW in the aerial.

We are pleased to hear that you have been obtaining satisfactory reception of these transmissions, and thank you for your interest in writing to us.

Yours faithfully,  
THE BRITISH BROADCASTING CORPORATION,


for Chief Engineer.

EB

The BBC started experimenting with shortwave in 1927 by way of station G5SW. By the time this veri was issued--1932--they were on the air six days a week for about six hours a day, with only 12 kw. but on the still familiar frequency of 11750 kc. +++ Full details on CPRV are available from yours truly for a business-size SASE. 73 -- 

A Committee of the Association of North American Radio Clubs

# 15th Annual Winter SWL Fest

Sponsored by 

March 8-9, 2002

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

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

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

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

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

Full registration: **\$43**

Two-day Partial (no meals): **\$17**

One-day Partial (no meals): **\$9**

Full spouse/son/daughter: **\$28**

Banquet only spouse/son/daughter: **\$16**

Student (w/ valid ID, no meals): **\$5**

Many things, like the raffle, remain the same:

**GRAND PRIZE** To be announced

**SPECIAL** Register early to win a SW portable! One free entry for an early-bird registration received by February 12, 2002.

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

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

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

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

SWL WINTERFEST

P.O. Box 4153

Clifton Park, NY 12065

NAME: \_\_\_\_\_ (SPOUSE'S NAME) \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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

### REGISTRATION:

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

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

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

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

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

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

### BANQUET:

\_\_\_ Roast Beef

\_\_\_ Chicken

### RAFFLE TICKETS:

\_\_\_ raffle tickets, please

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

Registration Fee Enclosed \$ \_\_\_

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

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

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

# Company Store

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

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

## Publications

<b>Shortwave Listening Guidebook</b> by Harry Helms. Covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSL'ing, etc. 315 pages.	\$19.95 +2.00 s/h US/CA +3.00 s/h world
<b>Underground Frequency Guide</b> by Donald W. Schimmel. An in-depth look at illegal radio communications; pirate, spies and so much more! Lists hundreds of frequencies. A book no pirate or clanny fan should be without!	\$19.95 +2.00 s/h NAM +3.00 s/h world
<b>Joe Carr's Loop Antenna Handbook</b> Comprehensive but readable guide to understanding and building loops for LW, MW, SW and VHF. Non-technical, has many diagrams.	\$17.50 +2.00 s/h US/CA +3.00 s/h world
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