

# The **NASA** Journal

VOLUME XLXIII NUMBER 5

MAY 2013



# Quality Radio Equipment Since 1942



1102S



The **Bonito 1102S RadioJet** shortwave receiver combines innovative design with the advantages of modern computer technology. It has a frequency range of 40 kHz to 30 MHz with an excellent sensitivity of .03  $\mu$ Volts on a noise level of -137 dBm with an extreme resolution of 144 dB at a sampling of 24kHz. The noise floor is extremely low, because there are no active parts between the antenna and the ADC. Strictly speaking, this radio is not an SDR, although it is exclusively controlled by computer. So far, no SDR has defined, controlled, read or computed anything like the RadioJet. Bonito **RadioJet** is a short wave receiver with a built-in USB audio device and a 24kHz multichannel IM jack or to put it simply: The most obvious application of modern radio technology. The software has been designed in such a way that its size and its coloring can be custom-tailored to any screen. This can be achieved with the presets or user-defined. The center piece of this IF-receiver is the supplied software. It makes all the different applications possible. An IF-Input-Device is built into the **RadioJet** so that the radio is like an external USB-Audio recorder and an easy installation without a complicated driver is assured: simply plug and play. The supplied standard software features: Reception and recording of transmissions in USB, LSB, CW, AM, FM and DRM. All filters are completely variable and can have their waviness and notches drawn by hand with the equalizer. S-meter and spectroscopy have an extremely accurate dBm-scale and can be calibrated. This device derives its power from the USB connection, BNC antenna input. Made in Germany, 4.5 x 1.25 x 4 inches. This device requires a USB cable (not supplied).

Order #5789 \$699.95



PERSEUS



The **Microtelecom Perseus** is a cutting-edge, multimode, software defined receiver covering 10 kHz to 40 MHz. Enjoy world class performance: 3rd order IP: +31 dBm, Sensitivity: -131 dBm, Dynamic Range: 104 dB (BW 500 Hz CW). Nine six-pole front end bandpass filters prevent overload of the A/D converter. There is a 3 step attenuator plus switchable low noise preamplifier. An impressive full span lab-grade spectrum display function is featured. An almost magical spectrum record feature allows you to record up to an 1600 kHz portion of radio spectrum for later tuning and decoding. A Wide/Narrow noise blanker has recently been added. The audio source is via your PC soundcard. The Perseus operates from 5 VDC and comes with an international AC power supply, AC plug converter, SO239 to BNC RF adapter, USB cable and CD with software and detailed manual. Made in Italy.

Order #Q122 \$999.95

The **Shuttle Pro V2** hand controller adds great ergonomic versatility to your Perseus receiver. It allows one-handed access to nine fully programmable push buttons as well as a shuttle/log knob for analog type tuning.

Order #5319 \$99.95

C. CRANE

24HC



The **Crane 24HC** 12.2 inch, 24 hour wall clocks are used by governments, hospitals, aviation, radio stations, police departments, the military, shipping companies, shortwave listeners and ham radio operators around the world. Just add one "AA" battery (not included) to make it tick. 1.4 lbs.

Order #2520 \$19.95



DUST CAP

If you carry your communications receiver, consider purchasing a metal, gasketed dust cap for the antenna input. Designed to go over an SO-239 (or N) jack.

Order #5947 \$1.89

RFspace  
SDR-IQ



The **RFspace SDR-IQ™** with **RF DSP™** offers unprecedented performance with a frequency coverage of 500 Hz to 30 MHz in 1 Hz steps. (Please note the low end tuning range is 500 Hz, not 500 kHz). It features the fastest and highest resolution plug and play spectrum display available. The **SDR-IQ™** comes with the latest version of **SpectraVue™** software. It supports AM, WFM, USB, LSB, N-FM, DSB and CW with fully adjustable DSP Filter bandwidths and FFT sizes of 2048 to 262144 points. The resolution bandwidth is as low as 0.031 Hz. The **SDR-IQ™** is the smallest SDR with **RF DSP™** that samples the whole HF band at once and performs the initial filtering at a 67 MHz sample rate with 23 bit accuracy. It has a high performance Analog Devices 14 bit analog to digital converter and sends 16 bits of IQ Data to the PC via USB (no messy soundcard cables required). The **SDR-IQ** is USB powered so no power supply is required. Works great with laptops running on batteries. It offers incredible receive performance and high resolution spectrum display capability. The rear panel has a USB port, serial port and BNC antenna input jack. The **SDR-IQ** software CD works with Windows 2000, XP and Vista. Made in the United States.

Order #0106 \$509.95

NetSDR



The **RFspace NetSDR** is a high performance networked software defined receiver with 1.6 MHz bandwidth. The **NetSDR** uses a high performance 80 MHz, 16 bit ADC with both dithering and randomization for best performance. The output I/Q bandwidth is configurable via software. PC communications are handled over a 100 base-T port using 24 or 16 bit IQ words. The **NetSDR** is a complete plug and play solution. As opposed to other SDRs in the market, there is no need for additional preamplifiers, preselectors or code development. The unit is compatible with the Moetron SpectraVue and SDR-Radio software that will have you up and running in minutes. The software includes analog and digital mode demodulation and IQ capture of spectrum up to a 1.6 MHz bandwidth. The **SDR-Radio** software allows the use of the **NetSDR** over the Internet. The full 1.6 MHz waterfall and demodulation audio can be transported via a 5 Kbps link. For those interested in writing their own applications, **RFspace** supplies a fully documented protocol for communicating with the hardware. There is no need to calculate the down converter DSP parameters. The **NetSDR** just needs the center frequency, attenuator and preselector filter settings, output sample rate and mode to begin streaming data. Other solutions require complicated USB interfacing that is platform specific. The **NetSDR** utilizes straight TCP/IP and Ethernet for all communications. This offers the highest possible performance due to the highly optimized Ethernet drivers on PC, Mac and Linux systems. The **NetSDR** packets are fully routable so that the receiver may be placed at remote locations. Multiple receivers can also be combined and their data transported over a higher data rate Ethernet pipe using simple switches and routers. In this application, each **NetSDR** can be set to a different IP address or port.

Order #D383 \$1449.95

**universal radio inc.**

Quality Communications  
Equipment Since 1942

**Universal Radio, Inc.**  
6830 Americana Pkwy.  
Reynoldsburg, OH 43068  
800.431.3939 **Orders & Prices**  
614.866.4267 **Information**  
614.866.2339 **FAX**  
dx@universal-radio.com  
www.universal-radio.com

Prices and specs are subject to change.  
Prices shown are after mtg's. coupons.  
Returns are subject to a 15% restock fee.

**www.universal-radio.com**

Please stop by for a look. We offer a wide selection of new and used shortwave equipment, antennas and books.

**UNIVERSAL BUYS RADIOS**

Call, email or write and tell us what you have to sell. We can provide a quote, subject to inspection.


✓ **U.S.A. flat-rate shipping: Under \$50=\$6.95.**  
\$50-\$100=\$8.95, \$100-\$500=\$9.95, \$500-\$1000=\$14.95.

©2003 Alaska, Hawaii, and Puerto Rico.

**Anker Petersen** and **Bent Nielsen** inform us that the Danish Shortwave Club International (DSWCI) released its 15th edition of its outstanding *Domestic Broadcasting Survey* (DBS-15) edited by DSWCI Chairman, Anker Petersen. Similar to prior years, DBS-15 is divided into three parts. Part 1: the 41st edition of the Tropical Bands Survey covering all active broadcasting stations on 2300 - 5700 kHz, including clandestine stations. Part 2: domestic stations on international shortwave bands above 5700 kHz broadcasting to a domestic audience. Part 3: deleted frequencies between 2 and 30 MHz which have not been reported heard during the past five years, but may reappear. All buyers of DBS-15 will get a username and password to the monthly updates on the tropical bands published as "Tropical Bands Monitor" on the club's website. The 24 pages A-4 size DBS-15 is available by e-mail as pdf-format (about 400 kB). A limited number is also available printed on paper. It is sold by the treasurer: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark; E-mail edition: DKK 35,00 or USD 7.00 or EUR 5,00 or GBP 4,50 or SEK 40,00 or IRC 3; Printed edition: DKK 70,00 or USD 14,00 or EUR 10,00 or GBP 9,00 or SEK 80,00 or IRC 6. Payment by cash notes are accepted whereas checks and postal money orders are not accepted. If you have EURO as national currency, you are advised to pay to our representative in Germany, Andreas Schmid (Lerchenweg 4, D-97717 Euerdorf, Germany. E-mail: schmidandy@aol.com). If you want to pay via PayPal, you have to contact Andreas Schmid, before you send your payment. Payment via PayPal only in US\$ currency and only for persons, living outside the European Union (EU). We hope to have a review of the DBS-15 in an upcoming Shortwave Center.

Jeff White sends an update on the annual

National Association of Shortwave Broadcasters (NASB) meeting in Birmingham, Alabama May 15-17. **Jerome Hirigoyen**, Head of Business Development and International Broadcasting at Telediffusion de France (TDF), will be one of the speakers at this year's annual NASB meeting. Hirigoyen will give a presentation about TDF's large shortwave transmission facility in Issoudun, France that is used by many of the major international broadcasters, including Radio France International. The meeting will take place at the headquarters of EWTN, the global Catholic television network which also operates shortwave station WEWN in the suburbs of Birmingham. Meeting participants will have the opportunity to tour the large shortwave station in a scenic mountaintop area, where station personnel will serve a barbecue lunch as well. Other speakers at the NASB annual meeting will include **Dr. Dowell Chow**, President of Adventist World Radio; **A.J. Janitschek** of Radio Free Asia; **Mike Rosso** and **Dave Hultsman** of shortwave transmitter manufacturer Continental Electronics; **Mark Allen** of Rohn Tower Company; and various representatives of EWTN/WEWN itself. Shortwave listeners, broadcasters and anyone with an interest in shortwave broadcasting is welcome to attend the meeting in Birmingham, which is free of charge, including a welcome reception and lunches on Thursday and Friday. More information, an agenda and other details on nearby hotel accommodations can be found at <http://shortwave.org/meeting/meeting.htm>. The Holiday Inn Express in Irondale, Alabama will provide free transportation between the hotel and EWTN for the meeting. Questions about the NASB meeting may be directed to [nasbshortwave@gmail.com](mailto:nasbshortwave@gmail.com).

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

# Musings

Jerry Lineback • P.O. Box 1220 • Grantham, NH 03753-1220 • [jerrylineback@comcast.net](mailto:jerrylineback@comcast.net)

---

Please e-mail musings to [jerrylineback@comcast.net](mailto:jerrylineback@comcast.net) or send to P. O. Box 1220, Grantham, NH 03753. Next deadline is May 22. Thanks to all contributors.

## **Rick Barton, Box 1804, El Mirage, AZ 85335**

I took note of long long time DXer Errol Urbelis' questioning of the need of some DXers to list frequencies down to 2 or 3 numbers after the decimal point. I agree with him that one would still hear the same station if they just tuned to the nominal frequency. But I appreciate the accurate readings, as this has helped me in the past either ID a station, or at least put me on the path to IDing a hard to hear station.

Say I hear a weak tropical using 2350 at 10:00 UTC. I use references to look up who might be there at that time, and I see that "Radio Pokii-Pokii of the Polynesians" is on 2350 until 1100. But reporters have listed an irregular use of 2349.50 by "The Voice of Zamboobia". By using my BFO and zero-beating the carrier down, now I know that, most likely, it is Zamboobia that I am hearing — if I get a reading at or close to 2349.5.

I will know if they are both on the air at the same time if I hear a collision of two stations, and one is throwing a predictable het whine over the other consistent with a signal that would be just below nominal frequency. This happens rarely, but, when it does, I am grateful for the input of others who have used this more accurate, if seemingly picky, listing of frequencies.

73 and best wishes for good listening ...!

## **Kevin Molander, [kmolander@earthlink.net](mailto:kmolander@earthlink.net) 3130 Toyon Street, #3, Martinez, CA 94553**

Over the last four years or so, I have been using a Grundig YB 400 PE with a 17' reel antenna. My brother used the same radio in the late 1990's and was able to verify 127 countries very quickly. Instead of the 17' reel antenna, he strung a long wire above his house and later used a Drake R8 to boost the total up to 127 verified. He had an extra YB 400PE — he gave me this radio in May, 2009.

Back in the early 1970s (1974–1977) I was heavily addicted to medium wave. I was a teenager and my friends thought my hobby was rather odd. I never saw it that way. Around 1977, I lost interest in medium wave dxing because I felt that I had pulled in about all of the stations possible from my location in Concord, CA. I drifted away from the hobby — but — radio has always been something I knew I would return to.

I have been listening to shortwave radio off and on since 2009. There have been several extended periods of time during that period when I put the hobby on hiatus due to time constraints, over-exposure to static and interference and general laziness. I began listening again somewhat seriously about 6 months ago. I would, as in the past, dx with the YB 400PE plugged in to an outlet here in my apartment with the reel antenna strung around the ceiling. I am very surprised with the number of stations I can pull in here in the apartment. Propagation must be a factor — all of the local interference has seemed to be a lot less bothersome than at other times in the past. My favorite spot for swling is out along the Carquinez Strait (north side of Martinez). However, lately, the reception in my apartment has been pretty impressive — especially during the 5:00 am to 8:00 am hours. A couple of months ago, I took the Yacht Boy out to the Strait, and,

unfortunately, I found that the battery terminals were crusted over with oxidation. I suppose it had been a long time since I replaced the batteries.

Fortunately, I have a back-up radio (a Sangean ATS 909). I have had this radio for several years. However, it gathered mothballs as I always thought the Yacht Boy was far more sensitive and selective. I performed a simple experiment (this was about 3 months ago). I plugged the Yacht Boy into the wall outlet and compared it to the Sangean (not plugged in and relying on it's batteries). I alternately hooked each radio up to the 17' reel antenna I have strung along my apartment ceiling. To my surprise, the Sangean very much out-performed the Yacht Boy. The Sangean was considerably more sensitive than the Yacht Boy. The difference is quite substantial. The Yacht Boy is now gathering mothballs and the Sangean has taken center stage!


I like to get up early - usually by 5:30 or so. Before breakfast, before showering, I head over to the Sangean and put the headphones on. Lately, the conditions have been ripe for pulling in numerous stations from Asia and Oceania. This morning, Radio Free Asia (transmitting from North Mariana Island) was very listenable as was Radio Nikkei and Deutsche Welle's transmission from Singapore. In the evening, Radio Nacional da Amazonia (11780) comes in with an armchair quality signal.

In June, if everything goes as planned, I will be driving up the Alaska Canadian Highway. I'll be taking my Sangean with me. If there are any club members in British Columbia, Yukon Territory (probably not!) or Alaska, I would love to hear from you. Any tips you may be able to offer me - when to listen and what I might be able to hear - would be greatly appreciated.

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

Here is a rundown of this month's QSL returns. The Voice of Vietnam via Moosbrunn verified an electronic report with an e-mail reply from VOV Online promising a reply from the English Service and apologizing for the delayed response because "we have resumed work from a week-long Lunar New Year holiday." China Radio International via Baoji verified an electronic report with an electronic reply in 9 days from "Ying Lian" in the English Service of CRI indicating a QSL card will be send soon. Radio Havana Cuba verified an electronic report for 5040 kHz with an electronic e-mail reply from Prof. Arnaldo Coro Antich \* AKA Arnie Coro \*, Senior Advisor/Consultant to the Director General, Frequency Manager, Senior science and technology editor of Radio Havana Cuba in one hour. Arnie notes that "I enjoy very much sharing my time between engineering and journalism, as the Senior Advisor/Consultant to the Director General of the station and the senior science, technology and the environment journalist of RHC." Finally, Radio Bayrak verified with a full data personal letter and full data card ("The best station in the nation") with a big envelope of goodies in 472 days from initial report and 152 days from a follow up report from v/s Mustafa Tosun, Department Head - Transmissions. His letter was dated November 27th so there was quite a delay in getting the package to me in late March. Among the items in the package were several tourist booklets in English, several local magazines in Turkish, a booklet about Myths and Legends in English, several city maps, Gazimagusa, Girne, Iskele and Lefkosa, other road maps of North Cyprus, half dozen tourist "things to do" brochures and two tote bags. I presume the late November posting was by surface mail and the size and weight of the package made the postal trip a long one. Naturally, I am quite pleased to received this bundle of stuff.

That's it from Wyomissing! 73, Rich

*Thanks to all contributors, 73s from Jerry Lineback. Thanks to all contributors, 73s from Jerry Lineback. That is all for this month. Please send your musings and thanks. 73, Jerry. *

# Listening Review

Alan Roe • 33 Atbara Road • Teddington, TW11 9PA, United Kingdom • alan-roe@tiscali.co.uk

Hello. Welcome to Listening Review for May 2013. This month I am going to spotlight:

## The Voice of Vietnam

For no reason that I can think of, I have not listened so often to this station over the last few months, however there are several features each week that are well worth a listen. My attention was restored with the news of a new Monday evening program called *Colorful Vietnam - Vietnam's 54 ethnic groups* which premiered on 1 April. I therefore decided to dedicate this edition of Listening Review to Voice of Vietnam.

For this review, I am going to concentrate on my favorite feature programming which follows on from the daily *News* and *Current Affairs* programs.

### Saturday: Saturday Report

This feature immediately follows the news and provides a more in-depth report on some cultural event in Vietnam, and usually includes recorded comments from people involved in the event. On 13 April, the program featured a newly established voluntary club of the Vietnam National Museum of History which:

*"includes pupils, students from universities and high schools in Hanoi. [...] The club is not only a place for students to learn more about the national history and culture through the museum's objects, but also offers them the chance to meet and exchange ideas with well-known historians as well as improve their foreign language skills through meeting foreign visitors and volunteers."*

It sounds an interesting idea. I think that any initiative which encourages young people to learn about history and in particular to take an interest in museums is worth doing.

### Saturday: Weekend Music

The final ten minutes or so each Saturday presents some enjoyable Vietnamese music. On 13 April we heard two delightful romantic melodies from Hue "... which has long been an inspiration for writers and poets..." with songs called "Lovely Hue" and "Rain in Hue City". Very enjoyable.

### Sunday: The Sunday Show

I have long enjoyed this weekly series "... showcasing Vietnamese traditional culture". The program on 7 April was about paintings by the artist Le Tri Dung who specializes in painting the 12 zodiac animals, and Truong Nhuan who first encouraged him, and now collects Dung's paintings. The zodiac animals are very important in the lives of the Vietnamese people as they:

*"...symbolize the changes of the heaven and earth and bring calmness to people's minds whenever spring comes. The 12 zodiac pictures reflect good wishes, good luck, hope, and harmony between human beings and nature. That's the reason why Vietnamese people for many years have hung pictures of zodiac animals at Lunar New Year."*

A very nicely presented program, which included recorded comments from both Dung and Nhuan, and a little background music to add interest (although if reception is marginal that may have just sounded like interference).

Most weeks there's time for a typical Vietnamese song to round out the broadcast, as was the case today.

### Wednesday: Letter Box

Letterbox is typically read by two presenters - each of whom reads alternating paragraphs of the script. There's little interaction between the two presenters, and it

is a slightly formal presentation which may as well have been read by a single presenter. Never-the-less, they do a nice job of discussing the comments included in the letters received, which makes for an interesting program. On 10 April, the program included letters and comments by listener names well known to me: Roger Tidy from the UK, Gilles Letourneau from Canada and Christer Brunstrom from Sweden. Most editions end with a Vietnamese song, as did today with "Lullaby of the Nation".

#### **Monday: Colorful Vietnam – Vietnam's 54 Ethnic Groups**

This is the new weekly program. Maybe it was just me, but I saw the title and just assumed that the program was going to be all about Vietnam's *minority* ethnic groups. Not so. From the first program on 1 April, we find that the program scope also includes the *majority* ethnic group:

*"... the Viet or the Kinh people - account for 90% of Vietnam's total population. The Viet people live throughout the country, but are concentrated in the river deltas and urban areas. [...] The Viet people lived mainly from agricultural production, including wet rice cultivation. Their farming was based on the lunar calendar and placed emphasis on crop seasons. Compared with other ethnic groups, the Viet people's farming reached a higher level of productivity."*

The second episode on 8 April continued the account by describing the creation of a:

*"... traditional culture – the Red River civilization. [...] The Red River delta, [...] was the original habitation of the ancient Viet people. The Viet ancestors tamed wild rice for cultivation. [...] People's lives have depended largely on nature, gradually forming customs, habits, rituals and beliefs such as worshipping ancestors and the Gods of Rain, Wind, Thunder and Lightning. The Red River delta civilization has produced a wide range of arts, including cheo classical opera and water puppetry."*

This reminds me that if you ever get a chance to visit Hanoi, it is well worth attending one of the water puppetry per-

formances available there. A bit touristy maybe, but they are still fascinating and hugely entertaining and, really, not to be missed.

Once again, as with many of the Voice of Vietnam programs, use is made of recorded interviews from local Vietnamese people (in Vietnamese with translation read in the studio) to add interest to the program.

These early programs have set the scene nicely, but I must confess that I am looking forward to the program moving on to the remaining 53 minority ethnic groups of Vietnam.

#### **In conclusion....**

All programs are presented by Vietnamese native speakers. Whilst I don't have any special issue with whether presenters are native speakers or not, I do generally prefer such presenters. It seems (to me) to make for a more "authentic" program. It can be a little disconcerting to pick up a station with a presenter with a strong Australian accent – only to find that you are once again hearing China Radio international!

I do like Voice of Vietnam. They have some interesting and varied programs. However, perhaps unsurprisingly, the programs all do seem to "accentuate the positive". You'll find little criticism of anything that happens in Vietnam. This is perhaps typified by a short item broadcast between the News and Letter Box program of 10 April which reported on:

*"The main topic of a meeting of the Party's Central Committee of Communications and Education Commission: [...] In order to give overseas Vietnamese and foreign friends a more accurate view of Vietnam and counter biased views from western information sources overseas, communication work should be pursued more actively. One way is to enhance international co-operation in communication."*

The report goes on to state that a number foreign reporters and editors have written about Vietnam, but have never been to the country and so have written in a biased

and subjective way. After reporters had visited the country, then the reports were less biased. The report finished with a comment by the President of the Vietnam Friendship Union:

*"Our task is to make people understand Vietnam better. Our goal is to get people who know nothing about Vietnam to visit and love Vietnam, get those who already love Vietnam to love Vietnam more, and get those who oppose Vietnam to be less aggressive. We need to introduce Vietnams' culture, traditions, values and problems to foreign friends so they will support us in our industrialization and modernization efforts."*

Whilst not directly about the Voice of Vietnam, I do think that the above item typifies exactly the approach of the station.

In Europe, Voice of Vietnam is being heard very well in the evenings on 9625 kHz at 1700UT via Moosbrunn, whilst in N. America I gather that 12005 kHz at 0100 and 0230 via Woofferton is providing good reception for the A-13 season.

The last 7-8 months of daily programs can be heard on-demand via the Voice of Vietnam webpages at <http://vovworld.vn/en-US.vov>, where you will also find scripts of some of the programs. However, I can no longer find a way to download programs for later listening (this facility used to be available, but seems to have got lost in a web-site redesign last year).

To finish, here is the complete Voice of Vietnam Program Schedule:

#### Daily:

¶ *News*

¶ *Current Affairs* (mon-fri)

¶ Feature Programs (*see below*)

#### Monday features:

¶ *Colorful Vietnam*

¶ Outstanding Personalities

#### Tuesday features:

¶ Society

¶ Business

#### Wednesday feature:

¶ Letter Box

#### Thursday features:

¶ Economy

¶ Discovery Vietnam

#### Friday features:

¶ Rural Vietnam

¶ Culture

#### Saturday features:

¶ Saturday Report

¶ Weekly review

¶ Weekend music

#### Sunday features:

¶ Culture & Sports

¶ Sunday Show

That's all for this time - I'll be back in July, and look forward to your comments about anything that you've heard on the short-waves.

Alan



# Shortwave Center

John Figliozi • 45 Algonquin Road • Clifton Park, NY 12065 • jfiglio1@nycap.rr.com

*This month we republish, by permission, a transcript of the program *The Media Report*, first broadcast on Radio Australia and ABC Radio National on December 21, 2012, focusing on a subject of key interest to all of us in NASWA.*

## The Future of Radio – The Media Report (December 21, 2012)

**Host: Richard Aedy (RA)**

**Guests: James Cridland (JC)**, Radio futurologist and writer, London (Twitter: @JamesCridland)

**Bridget Griffen-Foley (BG-F)**, Fellow, Department of Modern History, Politics and International Relations and Director, Centre for Media History, Macquarie University (Twitter: @bgriffenfoley)

**Tony Walker (TW)**, Manager, Digital Radio, Australian Broadcasting Corporation

**RA:** Hello, this is the *Media Report* on RN. I'm Richard Aedy. And today's show is all about the future of what you're listening to now.

Radio has a lot going for it. It's immediate; if something happens, radio can tell you straight away. It's portable; it goes where you go. It's the most intimate medium; it feels much closer than television or the papers, and many people listen for its companionship alone. It's also the only medium you can engage with and still do something else—whether that's cooking, or gardening, cleaning or driving—you can listen and get stuff done. But radio listening is down a bit in most developed economies and people within it are thinking hard on what to do about this.

I'm not going to pretend for a moment that I'm objective about radio. I'm a broadcaster, and a big listener too. But there are people with a little more distance. One of them is the

London-based radio futurist, James Cridland. He confirms that the numbers are softer.

**JC:** Slightly down. If you look at over the last 10 years, it's down about 10 per cent or so. And when you look back at the last 10 years, you can probably understand why that might be; we never had smartphones, there wasn't a thing called YouTube. All of the massive changes, which have happened in the media, have happened in the last 10 years and that's actually had quite little effect on radio's total listening.

Now when you start looking at particular parts of the audience—when you start looking, for example, at young people, then you can see a bit more of an erosion there. One of the questions for the industry is, what happens to younger audiences? Will younger audiences still tune in to radio as much as they have done when they get older, or is this actually the beginning of a trend where radio consumption will begin to go down?

**RA:** Tony Walker, who retires this week as the ABC's head of digital radio, says essentially there are two audiences.

**TW:** We've got audiences who have been with us, you know, for 30, 40, 50, 60 years in some cases, and who rely on us doing the job that we have always done for them. They get up in the morning, they turn on a radio station, they'll listen to that radio station until the end of the day. They don't want anything to change about that experience—that's all they want and they want

that to keep getting better, but they don't want it to change.

On the other hand, there's another audience that is much younger, some of whom engage with us—perhaps through Triple J or perhaps through ABC2 TV. We are only a very small part of their daily media experience. They, in many cases, might be engaging with ABC content on third-party platforms like Facebook, where they don't even know that what they're hearing or watching is ABC content. Makes it much more difficult for us to engage with them to impress ourselves—as a brand that they know and they trust—upon them in the same way that those older audiences have known us and accepted us.

**RA:** Shortly, you'll hear more about the challenges radio faces, but as the media historian Bridget Griffen-Foley points out, the medium has dealt with them before—most notably the arrival of television in the 1950s.

**BG-F:** Radio adapted to that through a number of means. One was embracing the Top 40 music format. Another conscious decision was to move into, what was called at the time, conversation radio which is now what we know as talkback radio. And there was also an increased commitment to improved news and even traffic services, and a real attempt to connect even more closely to the communities, something that radio had always been very good at anyway.

By the early 1960s, what had been a fairly sharp decline in advertising revenue for radio had started to turn around. There also, of course, had been some decisions to withdraw from things such as serials and drama and to just accept the fact that that was almost inevitably taken over by television.

Radio survived the introduction of television. It faced another major threat in the second half of the 1970s with the introduction of community radio, the introduction of FM radio, and then in 1980, the introduction of commercial FM radio. Again, some AM radio stations decided to invest in FM, and really through the 1980s, there was a recognition that AM radio would be focused

more on talk and that FM would be focused more on music.

**RA:** The internet and the vast choice it offers listeners, is the key to what's going on now. So, how will the NBN [*Ed. Note: The National Broadband Network, a national high-speed broadband network intended to cover all Australians wherever they live.*] with much faster broadband for everyone, affect radio? TW says the medium will still have advantages because it's broadcast.

**TW:** One of them is the capacity of broadcast to be able to engage with very, very large numbers of people, all at the same time. So, broadcast, I think, will have sustaining value around news, around things that you need to know about now—sport is an obvious one. In the case of emergency broadcasting for example, which is an area of the ABC has become very, very important to Australians, right across the country. And in, you know, critical national moments where, for one reason or another, where it is important that the, sort of, the nation is able to be brought together.

That's the value of broadcast, I think, and that would be the continuing value of broadcast, where we can get people together through those big transmitters that we have that cover vast areas of Australia. The question then becomes, if that's what...where the continuing value lies, then what else, what other value is there for broadcast radio?

**RA:** Because that's not all we do, of course, those things you've outlined.

**TW:** Not all we do. You know, we engage, you know, we provide sheer entertainment, high quality entertainment, which our audiences have appreciated tremendously. I think that's where broadcast is going to really start to struggle.

**RA:** And that's the rub. The main form of entertainment, of course, is music.

**JC:** I don't think that the outlook for music radio, that just plays music, is a very good one. If you're a radio station and all you do

is you play the hits, all you do is you play nine great songs in a row, every hour all day, then I cannot see why, in five years' time, people won't be doing that job better using Spotify, using Pandora, if it comes to your territory, using, you know, a variety of different other tools, rather than sitting there and listening to somebody else's choice of music on a device that doesn't have a skip button. You know, I would find that really difficult to explain to my baby daughter, you know, when she's 5 or 6, when she's listening to songs on the radio, Daddy, Daddy, why isn't there a skip button? Why can't I choose another song? You know, to me, that's fairly obvious.

So, I think, actually, one of the really interesting things about where the future of radio might be headed, is to concentrate on the things in between the songs; so concentrate on what you and I might call, the talk. But actually, you know, a good presenter, a good entertaining DJ who is the reason why you end up tuning in.

Hamish and Andy is an obvious example of people who are entertaining, you know, intelligent, that just happen to be on a music station. But if you're looking at radio as being a non-stop music service where the only thing...the only reason to end up tuning in to the radio is because of the music, then I think at some stage we should probably give up and concentrate on something else.

**RA:** Most music stations have seen listeners depart over the last five years—most, but not all.

**TW:** Triple J is defying that trend. Listening is growing for Triple J. Why would that be happening? It's because, I think, they've kept their content offer—what it is that they specialize in, which is music for an audience aged 18 to 24—at the absolute center of what it is that they do. Everything that they do revolves around that offer. They have then managed to distribute their presence—that is, you know, who they are: Triple J brand—across every available platform. So they're on the radio, as they always have been. They have a very strong pres-

ence online. They have a very strong mobile presence. They have a presence on new third-party streaming platforms, so, such as Spotify for example, or Rdio, another one. And as soon as those services became available in Australia, then Triple J made sure that it was a part of those services.

**RA:** So wherever their audience is...

**TW:** So wherever their audience is...

**RA:** They're there...

**TW:** And they are also offering the audience a very big opportunity to be part of what goes on the radio as well. So, something like, the hottest 100, which is a well known audience vote, if you like, that Triple J's been doing for the best songs of every year and have been doing it for 20 or so, years. The audience owns that process and...and are passionate about their involvement with that process. And there are parties all round the country every year around that, and CDs released every year with, you know, the hottest 100, which the audience has voted for.

**RA:** This is the *Media Report* on RN. I'm Richard Aedy. We'll be right back.

**Montage:** We are InterFM...All we need to do is play a small selection of popular songs over and over again...You'll find that kind of carrying on every day here on WJR...

**RA:** Today's show is all about the changes radio is going through and its future. You've already heard about some of the challenges, but are the professionals paying enough attention?

**BG-F:** Radio managements, for several years, now have been trying to acknowledge the, sort of, multimedia environment. So, through their websites, for instance, they will...they may have a camera in their studios. There's additional information about programs on their websites. I think the moment when Austereo, in 2008, renamed its program directors—PDs of course have been referred to for decades—content directors, that, kind of, marked a real, sort of, shift in how radio saw itself and was being seen.

So there was a conscious recognition of the fact that radio, but sort of, online brands needed to be developed and built on. So, within Austereo, for instance, the brands of someone like Hamish and Andy that needed to be leveraged both for audience popularity but also for advertisers.

**RA:** James Cridland says radio has to embrace the opportunities offered by its competitors.

**JC:** Things like SoundCloud and Audioboo—these types of websites where you can post audio for anybody to go and have a listen to—I think those types of websites are really good for the future of radio, because that's what you're actually doing; you're creating radio that happens to live on a different platform. But you're still creating some great radio, some great, in many cases, spoken words, some great soundscapes that people can go and have a listen to. And I think those are a really interesting, sort of, take on where the future of radio is.

Similarly, you have a look at the large amount of listening to podcasts. It's the way that I tune in to your radio program. And I think quite a lot of these services are services that actually make radio broader, make radio more available to audiences. And for that reason, I think they're very, very worthwhile, when you have a look at where radio might be headed.

**RA:** I'm interested that you mention podcasting because, like you, well I use it to get shows that I particularly enjoy that tend to be made in the US or the UK, and I know it's become increasingly important to Radio National where I work, but I still get the feeling that it's a minority pursuit compared to traditional radio listening.

**JC:** There's no doubt that any new platform is still a minority. Having said that, I think, that when you start looking at how people are consuming radio, then you actually see that the future of radio is very much a multi-platform medium. So, if you were to look 15 years ago, in the UK, you could only listen to the radio on one device—it

was an FM/AM radio. You couldn't find radio on anything else. Now there's radio online of course, there's radio through your TV—every single TV in the UK has some radio stations on there, much the same as every single TV in Australia as well—and actually what you're beginning to see here in the UK is, for example, the total amount of listening to FM/AM radio, is actually less than two-thirds of the total amount of listening to radio as a whole. So, a third of all radio listening is actually happening on a new platform—whether it's DAB, whether it's the internet, whether it's through your TV as well.

And of course, some of these new platforms are going to be very minority. Some of these new platforms are going to be, you know, for the real specialists. But then you can say that about other media as well. And, you know, some of the interesting records that you would go out and buy but you could only buy from that particular record store, or some of the interesting magazines that you had to traipse across town to go and find the international magazine seller—so all of that kind of stuff is still there in terms of radio as well.

**RA:** What about the car James? Because depending on where you are, you're listening in the car, can be a really high percentage of the total and yet, for most of us, most cars have, well—an AM/FM tuner. Some of them only have FM, yet we are increasingly moving towards digital broadcasting—your DAB's a big thing in the UK, it's a smaller thing here—until we have digital in the car, it's going to be an issue isn't it?

**JC:** Yes, I think so, and, I think, one of the things that we're working at particularly hard in Europe, is making sure that new cars have a DAB set inside them. It's something which is, you know, obviously, hugely important for where the future of radio's headed. Having said that, you know, only 20 per cent of radio listening is in the car in the UK. It's much lower than in the US where it's around 50 per cent. But it's still a very important place to end up being.

I think we're in a good state here, in that over a quarter of all new cars are now available with a DAB set already installed. I think that figure will go up as Germany continues to look at DAB. And I think that has great knock-on effects for other places in the world. I think once you start looking at, potentially in the future, turning off FM, and turning off AM—they've already turned off AM in many parts of Scandinavia, and they're talking about turning off FM here in the UK and in Norway as well. Once you start having a look at that, of course, every car will have to have a DAB set in there, in some way, shape or form. And that's going to be very important for the medium to continue to be healthy and happy.

**RA:** James Cridland says another thing the medium has to pay more attention to, is the smartphone.

**JC:** When you look at radio on your smartphone, then it's actually a really dull user experience at the moment. You get a frequency, if you're very lucky you get a station name and that's about as far as you go. And I think one of the challenges for radio in the future, is to make sure that radio looks and works just as nicely as everything else on a smartphone, or on your TV, or in the car. So, images of the songs that you're listening to, images of the presenters, more information that you can actually go off and find and so on.

**RA:** Well, so far you've heard about audiences, about the NBN, and about music and other platforms. But what about the oldest platform of them all—AM?

**TW:** AM's got some very big challenges, not the least of which are technical ones. The noise table in the big metropolitan cities—in other words the level of interference—is growing because there's just so much more, sort of, electrical activity going on, and therefore it's difficult, particularly the closer you are to CBDs [*Ed. Note: central business districts*], to listen to AM radio. So the AM radio listening experience is an uncomfortable one, an increasingly unpleasant one.

AM radio which is where the big audiences are in cities like Melbourne and Sydney—the market leaders are old AM radio stations that don't do very much more other than put an opinionated voice at the end of a microphone...

**RA:** With older audiences.

**TW:** ...with older audiences and they are very, very successful. But those audiences are, frankly, dying off.

**RA:** Not as fast as they used to...

**TW:** Not as fast as they used to.

**RA:** ...we're all living longer.

**TW:** Yes, we are and arguably there are going to be more 60-year-olds, but they're a different...I'd argue that they're a, sort of, slightly different kind of 60-year-old. You know, as people come through from, you know, their 20s to their 30s to their 40s, to their 50s, all of the things that we've been talking about earlier—all of the new behaviors, all of the very high levels of awareness of other sources of, you know, multiple sources of opinion—are all going to come through...

If those people who aren't working in media organizations have the same skills and the same abilities to be able to make content and the same capacity to be able to distribute it to audiences, you know, via the internet, in all sorts of forms—audio, video, you know, multimedia content—then what is...what differentiates professional media workers from non-professional media workers? And whether, you know, when somebody who's in their 40s now, gets to their 60s, I think that they're going to be very different from the type of audiences that have been prepared to sit down and spend their mornings with, you know, Alan Jones or Ray Hadley or whoever else.

**RA:** That will be interesting I think. Bridget Griffen-Foley believes that the influence of broadcasters like Ray Hadley and Alan Jones [*Ed. Note: Australian commercial talkers al*

la Rush Limbaugh et al] may have peaked already.

**BG-F:** What we've seen in recent months concerning Alan Jones in particular, does suggest that social media is challenging radio's dominance or perceived influence. I think that, politically, radio will still continue to be somewhat important, but that role is changing. With all of the changes surrounding radio now, it is increasingly possible for listeners to tailor their listener experience. So, I suspect it may be the case of really, sort of, polemical strident political voices talking increasingly to the converted—people who agree with them.

**RA:** Bridget mentioned digital radio; it's come up a few times today. Tony Walker, you'll remember is retiring as head of digital radio at the ABC this week.

**TW:** It's very unclear what's going to happen with digital radio in Australia. It's only available in five capital cities to date. That means it's getting out to about 63 per cent of the overall population—but there's still... there's something of a digital divide in Australia. If you live in, you know, Melbourne, Sydney, Perth, Brisbane and Adelaide, you can hear digital radio but you can't if you don't. And the government has yet to decide what the continuing rollout framework for digital radio is going to be.

There are some people who think that the NBN will trump digital radio as a technology. Therefore in the minds of some people there's a question about whether there'll be a complete rollout of digital. So that has implications for broadcast radio.

**RA:** And you're listening to broadcast radio—or maybe the podcast. Or you could be streaming it from the web. In any case, this is the *Media Report*, I'm Richard Aedy.

**Montage:** News Radio...As you know, four out of five cars have a radio...If it's on trend, look a bit higher because we'll be on it... We thought maybe 3D radio...What about some of the people who listen?.. Say we're looking for a particular sound, pop open the audio

recorder, send us that sound; maybe we'll use it in the show...to power them up. Oh, yes. Here we go. Here we go, and welcome to 3D radio...and now we just chat normally... yes...and you'll be able to hear, speaking like this and our thoughts... This new app basically is the entirety of radio lab in one little phone-sized package... radio...from... WNYC...

**RA:** The challenge for radio is to stay central to listeners' lives despite the many options all of us now have when it comes to consuming, and creating content of our own. For James Cridland, this comes down to one word—relevant.

**JC:** A relevant radio station to listen to, is a radio station that talks about things that you're interested in, that gives you news and information about things that matter to you. Now that might be your local area. It might be many other things. It might be a community of common interest. I happen to listen a fair amount to 612 ABC Brisbane, at home, here in London. There's a good reason for that, my partner comes from there. And so therefore she likes finding out what's going on where many of her friends and family are. Now that's a community of common interest and, you know, and I think that's one interesting area. And that's something computer algorithms can't necessarily deal with. It's much harder for a computer algorithm to sit there and work out what news stories might I be interested in, you know, all of that kind of thing.

So I think that's one of the things, but you can then, actually, have a look at the wealth and breadth of radio which is available through the ABC. I might sometimes want to be listening to something from Triple J, something from ABC Radio National, something from one of the local stations. Now, actually, there's no reason why a computer couldn't work out the things that I'm interested in from the wealth of different stations and give me ABC Radio James—something which is a little bit brighter in terms of making sure that I'm listening to a great national program, but I still get local news, I only get traffic and travel when it's

relevant for me, when it knows that I'm going to leave for the day. It knows who I don't like on the radio as well as who I do. You can do all of this stuff now with technology with smartphones with all of that kind of thing. And I think that ensuring that radio is relevant to its audience is really important.

There's a radio station here in the UK, who's playing around with a fair amount of this. When you listen online you register, you tell the radio station who you are and a little bit about you—you know, how old you are, whether you're a boy or a girl, you know, and so on and so forth—so that the adverts on this particular station are tailored to me. So I don't hear adverts for tights and for lipstick, because I'm not very interested in tights or lipstick—at least, you know, certainly during the week. So therefore, it gives me a much more relevant listen in terms of some of the output.

**RA:** But to be relevant, you've got to know your audience and be prepared to listen to them. This isn't always as easy as you'd think.

**TW:** We have, you know, a Reithean heritage as a public broadcaster, which essentially put public broadcasting somewhere above the audience—that was the origin of public broadcasting. It was a notion that Reith—Lord Reith the founder of the BBC—had about an educated class making decisions about what, you know, a working class needed to know to have a rich and fulfilled life. And that's a heritage that I think has stayed with public broadcasting all the way through.

I think in the early days of audience engagement, when we started to hear talk about user-generated content and audiences making their own...you know, engaging in their own creative endeavors and making content that sat alongside the content that we, as professional media makers made, I think there was, sort of, a lot of nervousness and quite a bit of pushback from inside the organization. Understandable—because it was a very fundamental and stark contradiction with that sense of heritage that

we had of making our own decisions about what was good content, and we would make the decisions about what our audiences were going to hear. You know, occasionally we would hear from audience and they'd say, well we want you to do this and we want you to do that and we'd say, yes, well of course, you know, we're the public broadcaster—we're owned by you, we will respond. But in the end, I always thought that that, sort of, Reithean heritage again, to use that term, made it very difficult for us to connect with audiences in the way that we now have to.

**RA:** So what of the future then? Well, of the three people you've heard from today, Bridget Griffen-Foley, the historian, has the most distance from the medium and it may mean that she's the most realistic.

**BG-F:** Radio is possibly moving from being more of a mass outlet to a niche outlet. With the proliferation of stations, partly through digital radio, radio groups will be looking to attract listeners who have interests aligned with those of their stations. And that does suggest that the huge mass audiences that we've seen in the past for some radio stations, and indeed, radio programs or radio presenters, may be decreasing.

**RA:** I do hope she isn't right. James Cridland, who consults to the industry, is more optimistic.

**JC:** Yes, I am, I mean, I'm optimistic because I know the power of radio and you only have to ask people who are caught up in the Victoria bush fires about the power of radio or the Queensland floods. Radio is a tremendous medium; it's intimate. It's a medium which is really easy to make now; all you need is a mobile phone and you can make amazingly engaging and fantastic radio, and I think that's something that we can't do easily with television. We can't actually do a very good emotive job with the internet, but radio is a really unique medium that I believe has a fantastic future.


**RA:** Tony Walker, retiring this week, after something like three-and-a-half decades in the business, is somewhere in the middle.

**TW:** The old idea of radio as a box that sits on your kitchen bench and delivers you a linear stream of content that you might like or dislike is well and truly gone. I'm very optimistic about the capacity of an organization like the ABC to continue to produce high quality, relevant, engaging content that audiences are going to value. We have to make sure that we get that content out on every single platform and on every single device where the audiences are and make sure they know about it. And then we will continue to be important in people's lives.

**RA:** I hope we can pull that off, obviously.

I'd like to thank our guests. James Cridland is a radio futurist and consultant. Professor Bridget Griffen-Foley is a media historian at Macquarie University and author of *Changing Stations: The Story of Australian Commercial Radio*. Tony Walker's just finishing as the ABC's head of digital radio, and one of its deeper thinkers.


The show is produced by Kyla Slaven. Our sound engineer's Timothy Nicastri.

© 2012 Australian Broadcasting Corporation. All Rights Reserved. 

### NASWA Flashsheet

Are you getting the latest hot information about what is happening on the shortwave bands? If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information about the DX scene that will enhance your shortwave listening pleasure. If you are a current member of the club and want to receive the electronic Flashsheet just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Mark Taylor**, markokpik@gmail.com. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news.

### NASWA Yahoo Group

Join moderator **Dan Ferguson**, the club's Yahoo Group, and other club members to discuss reception of shortwave radio broadcasts, program content, propagation, reception conditions, loggings, hot news and information as well as radio equipment and accessories and any topics related to shortwave radio in general. Please keep in mind that loggings, QSL news, schedule changes should also be reported to the appropriate column editor of the *Journal* for publication. This forum is a supplement to, not a replacement of, The *Journal*. Subscribe by going to <http://groups.yahoo.com/group/NASWA/>. Any club members wishing to participate in the NASWA Yahoo Group, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Yahoo should contact Dan direct by e-mail for further information. Dan can manually add you to the group. 

# International Broadcasting

Dr. Kim Andrew Elliott • 5001 25th St. North • Arlington, VA 22207 • kimelli@verizon.net  
<http://www.kimandrewelliott.com>

## Reform eludes US international broadcasting

The Broadcasting Board of Governors, the top authority of US international broadcasting, consisting of Voice of America, Radio Free Europe/Radio Liberty, Radio Free Europe, Radio/TV Marti, and Middle East Broadcasting Networks Inc (Alhurra and Radio Sawa), is down to four members, plus the ex officio Secretary of State. And one of those four members, Michael Lynton, despite being the "presiding governor" in the absence of an actual chairman, has not attended a meeting since January.

The member who resigned, on April 9, is Dennis Mulhaupt, a Republican. He wrote to President Obama: "I write to submit my resignation from the Broadcasting Board of Governors (BBG) effective today. Over my tenure I, along with some of my board colleagues, have consistently advocated for necessary and far-reaching reform of the governance structure and organization of U. S. international broadcasting (USIB). My belief in the importance and need for these reforms has only grown stronger the longer I have served. I hope that the administration and Congress will address soon the urgent issues facing USIB and the BBG, the components of which do such vital work advancing freedom and human rights in many countries throughout the world."

Mr. Mulhaupt did not provide a reason for his resignation. Michael Meehan, acting chair of the April 12 BBG meeting, in announcing Mulhaupt's resignation, said "we hope that he's fine," hinting at a health issue. Mulhaupt did address the need for reform, suggesting that he was frustrated by the lack of movement towards the reform of USIB. He also described the work of USIB as "advancing freedom and human rights," which is a strange and unhelpful way to describe what is supposed to be a news organization.

Mr. Mulhaupt served as chair of the board of Radio Free Europe/Radio Liberty. BBG members Susan McCue and Victor Ashe take over as chair and vice chair of the RFE/RL board. On 15 April, Judy Bachrach, writing in the journal *World Affairs*, described a strange event in which Governor Ashe was asked by Masha Gessen, the recently appointed head of RFE/RL Russian, to leave a Washington dinner in her honor, even though he had been invited. When Kevin Klose, acting president of RFE/RL, learned about this, he also prepared to leave with Ashe. At that point, Gessen relented, and Ashe was allowed to attend. It's a complicated story, which you can find at [www.worldaffairs-journal.org/blog/judy-bachrach/moscow-potomac](http://www.worldaffairs-journal.org/blog/judy-bachrach/moscow-potomac), with even more at [BBG Watch \(usgbroadcasts.com\)](http://BBGWatch.usgbroadcasts.com). But there is probably more to it than one would typically get from either of these sources.

## It's not duplication, it's "parallax."

Acting RFE/RL president Kevin Klose was one of the USIB entity heads who spoke at the April 12 meeting of the BBG. He is clearly not reform minded. He noted he was deeply interested in collaboration with the other entities, the names all of which he could not remember. (There really are too many of them for most people to remember.) But he also spoke of the "rubric" of "overlap and duplication." Noting that cars and truck have two headlights, he said "we need parallax."

"I don't buy it that there is duplication and that there is overlap.... We accept that there are differences" between RFE/RL and VOA, but "we need to emphasize our common strengths and not get into a dialogue with anybody about overlap and duplication because we don't do that."

Mr. Klose mentioned "parallax" and "depth perception." My website, employing depth

perception, has documented many instances of duplication and overlap in USIB. In USIB, one cannot swing a cat without hitting an instance of duplication. A casual perusal of the USIB websites provides the evidence. Duplication is a significant form of waste in federal spending. There is never a legitimate excuse to waste the taxpayers' money.

## Save the entities. Sink USIB.

Mr. Klose no doubt thought he was giving a passionate defense of his entity and of the jobs of his entity's employees. What entity heads, who spend so much of their energy trying to preserve their entities, don't seem to realize is that USIB, if its limited budget continues to be drained by duplication, and if its scarce resources are divided among competing entities, has no chance of competing with the real competition out there in the real world. And that will be to the detriment of all the entities and all their employees.

I give Mr. Klose credit, however, for coining "parallax" as a surrogate (if you will) term for "duplication." I think members of Congress, journalists, senior distinguished think tank fellows, and other gullible Washington types will swallow it whole. I think the "parallax" concept will ensure that USIB continues to fall short of its potential.

In a recent national survey in Cambodia, respondents were asked how many minutes of a newscast from the United States should be about Cambodia, about the United States, and about the rest of the world. Ethics regulations prevent me from providing the three numbers here (although the BBG could make them public), but suffice it to say that the result is more news about Cambodia than VOA can do well, and more US and world news than RFA can do at all. In the present structure of USIB, the one that the entity heads are trying so hard to preserve, there is no provision for a station that provides news in the proportions that audiences in Cambodia and elsewhere want. In other words, there is no provision for success.

Data from comScore, which employs representative panels of internet users, shows the number of visitors to the RFE/RL, VOA, and BBC websites in Russia. Again, I can't provide the numbers, but can hint that RFE/RL and VOA are fighting it out rather far below the BBC Russian website, which is soaring. Keep in mind that the UK spends less on international broadcasting than the United States. The BBC World Service, however, has the advantage of not frittering much of its budget on duplicated efforts, and not dividing scarce resources among competing entities. comScore shows a similar situation in Vietnam between the VOA and RFA websites versus a considerably more successful BBC Vietnamese website.

Television is playing a greater role in US international broadcasting. For example VOA is developing television services for Burma. RFA is developing television services for Burma. There are several other instances where more than one entity is increasing its television products for a single target country. When radio prevailed, the taxpayers might have been able to afford duplicated efforts of two entities. The entities might have been able to divide talent and other scarce resources between them. In television, however, the days of profligacy are over. As the entire federal government looks to reduce spending, duplicated television services cannot be justified. And there is not enough talent, not enough outlets in target countries, not enough of other resources to divide between entities. In the television age, preservation of multiple USIB entities is folly.

## VOA Radiogram

This experimental weekly VOA program of text and images via a 50-year-old short-wave broadcast transmitter continues, with better results than I ever imagined. More information at [voaradiogram.net](http://voaradiogram.net).

*Views expressed above are my own. More international broadcasting news at [www.kimandrewelliott.com](http://www.kimandrewelliott.com).*



# Listener's Notebook

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

Times are UTC and frequencies in kHz.

**ABKHAZIA** On March 29 accept the 9535 kHz *Р.Абхазия* with 0800 in the Russian language. They say about Russian border guards. SINPO - 34343. At 0815 joined Avtoradio, is advertising. (Alexander Golovikhin, Togliatti, Rusia /deneb-radio-dx)

**ALASKA** A-13 schedule for *KNLS - The New Life Station*, Anchor Point:

0800-0900 Chinese 9655 English 11870  
0900-1000 Chinese 9655 Russian 11870  
1000-1100 Chinese 9655 English 11870  
1100-1200 Chinese 9610 Russian 11870  
1200-1300 English 7355 English 11870  
1300-1400 Chinese 9920 Chinese 9655  
1400-1500 Chinese 7355 English 11765  
1500-1700 Chinese 9920 Russian 9655  
1700-1800 Chinese 9620 Russian 9655  
(Station Website/BDXC)

**ALGERIA** New SW sites Ourgla and Bechar discussion. Wavescan NWS216 - April 2013 (Extract). High Frequency Coordination Conference Update: The Algerian Radio does have a service on shortwave, using the facilities of TDF, Telediffusion de France, in Issoudun. But this appears to be temporarily, as engineer Lotfi Chelali of Algeria's TDA explained to us that they are building two shortwave transmitter sites in Ourgla and Bechar, each with a 300-kilowatt DRM-capable transmitter. These sites are expected to be on air within the next year. The programming is intended for the countries of the Sahel in northwestern Africa; Mali, Niger, Nigeria, Mauritania, Chad and the Polisario front areas. (via Ian Baxter-AUS, SW TXsite Apr 16)

**AUSTRIA** *Trans World Radio* - Moosbrunn A-13:

5910, 7255 0544-0559 Polish Mon-Fri  
7400 C700-0720 English Sun  
7400 0700-0750 English Mon-Sat  
9725 1400-1428 Russian Tue-Sun  
9725 1400-1428 Belorussian Mon  
TWR - Europe, Vienna Office, Frequency  
Coordination, Postfach 141, A-1235 Vienna, Austria  
(Bernhard Schraut/TWR)

**AUSTRALIA** Changes relate to the off-shore relay of Singapore. The new 250 kW RIZ type shortwave transmitter came into usage now at Kranji, moved here from mothballed Skelton Cumbria site of Babcock in U.K. (wb)

**HCJB Australia** plans to expand its Japanese service. For A13 schedule, they will repeat weekend morning programs aired at 2230 on 15525 in the evening our time. It will be at 1100 on 15400, Saturday and Sunday. This is good news in the shrinking SW world. (Toshi Ohtake, Japan SW Club)

**AZERBAIJAN** *The Voice of Talyshistan*: March 20, 2013 - on the eve of the traditional celebration of the Iranian people Novruz marks the beginning of the new year, at 19.00 in Shushi aired the first program radio program "Tolyshistoni Sado" - "Voice Talyshistana" the Talish and partially in Azerbaijani. The world's first radio program broadcast daily in the language of the Talysh people. Every day at this time and further - to repeat several times a day - an hour in the waves AM-9677 on air sound Talish language, poetry and songs...- Next - about the creators of "Voices Talyshistana." This is - a joint project of the Caucasus Center Iranian Studies and center "modus vivendi". Technical support is provided by us "Impulse" for which we are very grateful to its professional staff. The team of "Voices Talyshistana" - Talysh, carriers of different dialects, as well as employees of our department of Iranian Studies YSU involved talyshevedeniem and azerbaijdzhaniistikoy. I should be happy to note that my students, young talented scientists and graduate students, an excellent job with this new for these activities. - Please comment on another aspect of what is happening - an inappropriate response to the creation of broadcast in Azerbaijan. On Azerbaijani sites write that radio allegedly will turn off ... - Inadequate response to Azerbaijan at the number of our projects, in general, used to. We are accused of politicizing our conferences, cultural events, publications and so on. Of course, the same charges will be heard in connection with the new project. Most of Azerbaijan cares absurd question - why is it we learn culture people who do not reside in the territory of Armenia. Leaving aside the absurdity the question

in an academic perspective - what else does Iran studies if No Iranian peoples? - I want to simply forward the question to ask it. Why not carried out, in particular, talyshevedcheskih conferences and radio broadcasts Talish and television in the world where live representatives of the indigenous people of this ancient Caspian? I do not think it makes sense to turn off anything today. Rather, it will still a strong reaction among the Talysh that quite undesirable for Azerbaijan Republic. First, the radio has a Web site, and each new instant distributed in YouTube. So with the current spread of technology Information jam radio - a relic of the Cold War ... (Viktor Rutkovskiy, Ekaterinburg, Russia/open\_dx) 6 April on 9677 kHz 06.15 to 06.30 SINPO - 35343. Said the woman. Growling sound. After 06.30 there is no transmission, but the transmitter was turned on. (Alexander Golovihin, Togliatti, Russia/ "open\_dx")

9677.74, Tolıştoni Sədo (*Voice of Talyshstan*), Stepanakert, Nagorny Karabakh, \*0900-0956\*, Mar 29, ID, music, Talysh talk, local music with short anns, end of programme at 0950, open carrier until 0956 s/off, distorted audio, 45343. (Beryozkin/DX Window) Also heard at \*1500-1505, Apr 09, 3 time pips, and ID at 1500:03, frequency ann, some local Persian music, but distorted audio, compared to Voice of Justice broadcast at 1400. (Bueschel-Germany/DX Window)

9677.73, *Ādalätin Säsi Radiosu (Voice of Justice)*, Stepanakert, Nagorny Karabakh, 1410-1422, Tu Apr 09, commentary by woman in - probably - Azeri, and often "between play" break interlude as "Dr. Schiwago" music theme, S=9+5dB. Empty transmitter stayed on the air until 1500. (Bueschel-Germany/DX Window) 9677.7, Aedalaetin Saesi Radiosu (R Voice of Justice), Stepanakert, Nagorno-Karabakh, observed March 09-14 with very old known schedule Tue and Fri only at 1400-1425, repeated on Wed and Sat at 0600-0625. The circulated schedule with broadcasts on all weekdays is non-correct. Main news for this station is that since March 13 Radio Voice of Justice has a new transmitter and new studio with clear speaking in Azeri; it is for the 1st time in their history. (Rumen Pankov-BUL, dswci DXW March 20) 9677.42, \*1400-1410, Tu 19.03, Ādalätin Säsi Radiosu (Voice of Justice), Stepanakert, Nagorno-Karabakh I/S, talk in Azeri. 24333. Scheduled with 10 kW Tu/Fr 1400-1425. (Anker Petersen-Denmark/PlayDX) 9677.54, 0945-1000\*, Sa 30.03, Voice of Talyshistan (New station!), Stepanakert, Nagorno-Karabakh Talysh talk, song,

ann. 25232. Scheduled daily (?) with 10 kW 0900-0959. (Anker Petersen-Denmark/PlayDX) 9677.50, 1220-1240, Sa 30.03, Voice of Talyshistan (New station!), Stepanakert, Nagorno-Karabakh Talysh talk and songs. 24232. QRM CRI Urumqi 9685 in Russian. Scheduled daily (?) with 10 kW 1200-1259. (Anker Petersen-Denmark/PlayDX)

New schedule for *Voice of Justice*, according to monitoring on March 23:

0400-0427 9680 Azeri Fri/Sat, new time  
0900-0959 9677v Azeri Fri/Sat, new time  
1200-1259 9677v Azeri Fri/Sat, new time  
1500-1559 9677v Azeri Fri/Sat, new time  
1400-1427 9677v Azeri Wed/Fri cancelled  
0600-0657 9677v Azeri Thu/Sat cancelled  
(Ivo Ivanov-BUL, wwdxc BC-DX TopNews March 26)

**BANGLADESH** *Radio Bangladesh* or *Bangladesh Betar* monitored schedule. Here is the monitored sked of Radio Bangladesh till 1815 hrs. The 1815 and 1900 hrs transmission could not be monitored.

1230-1300 English 15105  
1315-1345 Nepali 7250  
1400-1430 Urdu 15505  
1515-1545 Hindi 15505  
1600-1630 Arabic 7250  
1630-1730 Bengali 7250  
1745-1815 V.O.Islam(Eng) 7250  
1815-1900 English 7250  
1915-2000 Bengali 7250  
(Alok Dasgupta-IND, wwdxc BC-DX TopNews April 13)

**BELARUS** Belarusian radio in the morning shifted from 7255 to 11930. Here they heard very little bad + modulation, so that the music can still make out, but it is very dull, especially for men. (Alexander Yegorov, Kiev, Ukraine / "deneb-radio-dx")

**BOLIVIA** 6024.94, *R. Patria Nueva*, La Paz. 2225-2245 on Apr 14, advs: "El Banco Nacional le ayuda con su ahorro. El gobierno con la central obrera boliviana con el Misterio de Salud y Deporte". Px: "Radio Deporte" sx nx, ID "Lo mejor del deporte con Radio Patria que la sintoniza", advs: "Casa Real, "partido de Bolívar con la Paz, "transmisiones de primera para football de primera". Slogan: "La radio que quiere escuchar... Patria Nueva". 44444. (Pedro F. Arrunátegui-Perú in Chasqui DX/Dxplorer)

6134.83, *R Santa Cruz*, Santa Cruz de la Sierra, 0025-0040, Apr 06, Spanish short talks and Latin

American pop songs, 0033 and 0035 IDs: "Radio Santa Cruz", 35233. (Petersen-Denmark/DX Window)

**BRAZIL PPE**, Observatorio Nacional, Rio de Janeiro, 10000, 2154. Die bestaetigen mit eine QSL-Karte + QSL-Brief. Die Anschrift: PPE Observatorio Nacional, Rua General Jose Cristino 77, Sao Cristovao, 20921-400 Rio de Janeiro , RJ, Brazil. (Rudolf Grimm-Brazil via A-DX March 10) 10000, Time Signal Station Observatorio Nacional, 0621-0630, 29-03, announcements each ten seconds: "Observatorio Nacional, 3 horas, 21 minutos, 0 segundos", Interference from Time Signal Station Italcable. 22322. (Méndez-Spain/EDXP)

4905, **Nova R Relogio**, Rio de Janeiro, RJ (p), 0500, Apr 06, ID in Portuguese, mention of Rio and frequency (I didn't clearly catch the station name), music clips, time pips every minute, heavy utility QRM, 32333. (Bell-South Africa/DX Window) 4905, R Relogio (Brazil) is really active again on 4905. Heard this morning (Apr 14, 0620) via SDR in Iceland. The station plays mostly Brazilian pop with some talk incl. IDs. On every full minute there is a time announcement by a woman (different of what we can hear on 10 MHz) with 3 dots. But this time announcement was 17 secs too late this morning! (Karel Honzik-CZE, hcdx Apr 14)

4975, **R Iguatemi**, São Paulo, SP, 0508, Apr 06, romantic pop song, brief Portuguese ann, accordion music, folk songs, 25332. (Bell-South Africa/DX Window)

6180.00, **R Nacional da Amazônia**, Brasília, DF, 2057-2217, Apr 05 and 11, Portuguese ann, "A música popular Brasileira", ID: "Rádio Nacional", at 2100: "Nacional informa, Rádio Nacional da Amazonia, a sua voz na rádio brasileira", 24422 // 11765 and 11780. (Beryozkin-Russia and Méndez-Spain/DX Window). Also heard at 0130-0135, Apr 13, Portuguese phone-in conversation about Amazonas, 55444. (Petersen-Denmark/DX Window)

9820, **R 9 de Julho**, São Paulo, SP, 2025-2050, Apr 05, Portuguese religious comments, 24322. Also 0558-0630, Apr 06, "estamos apresentando Com a Mae Aparecida", Portuguese religious, "Tres horas y oito minutos", 24322. (Méndez-Spain/DX Window)

**CENTRAL AFRICA REPUBLIC Radio ICDI** looted in Central African Republic: The Seleka rebels have taken over the capital city of the Central African Republic and ousted President Bozize. Please con-

tinue to pray for our staff. Their safety is ICDI's top concern. Please pray that the Central African people will come to a peaceful resolution of this conflict. There is a great deal of uncertainty, but we do know that rebels and looters have taken property from the ICDI office in Bangui. One of ICDI's dedicated employees was able to call and he shared his story of trying to protect the office from further looting. Here is an excerpt of that conversation: "At 9:30 I was at home and Seraphin called me and said 'I heard that ICDI was looted.' My heart broke and I got up and took my moped and I hurried over here to ICDI, and yes, it was being looted...it seemed like they had started to loot it around 8 o'clock. So I got there, and I yelled 'Hey, what are you all doing!?? This is a Central African's house, why are you looting it like this?' I encountered 5 Seleka soldiers in the building. They were grabbing stuff, and at the same time, others were carrying it out... In the main room, they brought the safe into the hallway, and threw it there. They tried to open it by shooting it with their guns, but they couldn't do it. I told them, 'there's not even anything in it anyway' and they left it...My heart hurt." We will share more information as it is available. (Jim Hocking, ICDI/SWBulletin)

**CHINA 4500, Xinjiang PBS**, Urumqi, 2350-2400, Apr 05, Mongolian ann, song, 55444 // 6190 (55444). (Petersen-Denmark/DX Window) Also heard at 1624-1626, Mar 23, Mongolian, 55544. (Beryozkin-Russia/DX Window)

5050, **Beibu Bay R**, Nanning, Guangxi, 2300, Apr 05, ID ann including "96 point 4" in Chinese, music clips, Asiapop duet sounded like Indie music, 45444. (Bell-South Africa/DX Window)

6185, China Huayi Broadcast Company (CHBC), Fuzhou, 1210-1233, Apr 03 and 04, Chinese with "Culture Homeland" program, mostly fair with some adjacent QRM. For several years now have attempted to contact Qiao Xiaoli, the CHBC QSL manager, but without any success until Apr 04, when I received this reply to yesterday's reception report sent to 2883752@163.com: "I am very glad to verify your reception of CHBC, as of your clip audio, it is CHBC programme and it include an station ID , so here is the confirmation: Date: April 3, 2013. Time: 1210-1218 UTC same as 2010-2018 BJT. Frequency: 6185 KHz. Station: China Huayi Broadcast Company. Language: Chinese. Programme: "Culture Homeland". Please find an e-qs as an attachment. Qiao Xiaoli < Jonathan Short >". Attached was a

very nice blue CHBC eQSL card with full data. I am very pleased to make contact again with Qiao Xiaoli, as in the past he was excellent at verifying CHBC reception reports from listeners outside China, sent to him in English! He lives in Changshu (Jiangsu Province). (Howard-CA/DX Window)

**CLANDESTINE** Summer A-13 schedule of clandestine & other target broadcasts (DX Mix Georgi Bancov & Ivo Ivanov-BUL, via Dan Ferguson-SC):

**Radio Republica:**

0000-0200 on 9490 ISS Spanish

**Denge Kurdistan:**

0300-1500 on 11510 KCH Kurdish

1500-1900 on 11510 ISS Kurdish

**Radio Miraya:**

0300-0600 on 11560 SCB English/Arabic

**Radio Okapi**, currently inactive, maybe will be resumed from May 1:

0400-0500 on 11690 MEY French/Lingala

**Radio Tamazuj:**

0400-0430 on 11650 SMG Arabic

0400-0430 on 15400 MDC Arabic

0400-0430 on 15500 DHA Arabic

1500-1530 on 15150 MDC Arabic

1500-1530 on 15725 SMG Arabic

**EDC Sudan Radio Service Darfur Program:**

0400-0530 on 13720 DHA Arabic

1600-1730 on 17745 WOF Arabic

**Radio Damal**, currently inactive, maybe will be resumed from May 1:

0400-0700 on 15700 DHA Somali

1830-1930 on 11980 WOF Somali

1930-2130 on 11980 DHA Somali

**Radio Dabanga** in Arabic:

0430-0600 on 11650 SMG

0430-0600 on 15400 MDC

0430-0600 on 15500 DHA

1530-1630 on 15150 MDC

1530-1630 on 15725 SMG

**Radio Free Sarawak** in Iban:

1100-1300 on 15430 TAI from April 18

**Khmer Post Radio:**

1200-1300 on 9960 HBN Khmer

**Democratic Voice of Burma** in Burmese:

1430-1530 on 11560 DB

2330-0030 on 11595 DB

**Radio Xoriyo** in Somali:

1600-1630 on 17630 ISS Tue/Sat

1600-1630 on 17870 SCB Mon/Fri

**Radio Shorouq/Radio Sunrise:**

1600-1700 on 11610 SOF Arabic Mon-Fri

**Radio Dialogue FM:**

1600-1700 on 12105 MDC English/Shona/Ndebele

**Dimtse Radio Erena:**

1700-1730 on 11560 SOF Afar/Oromo

**Voice of Oromo Liberation:**

1700-1800 on 13810 WER Oromo/Amharic Sun/Wed

**Voice of Assenna:**

1700-1800 on 15245 SCB Tigrinya Mon/Wed/Fri

**SW Radio Africa:**

1700-1900 on 4880 MEY English

**Radio EYSC - Eritrean Youth Solidarity for Change:**

1730-1800 on 15310 WER Tigrigna Tue/Fri

**Radio Voice of The People:**

1800-1900 on 9345 MDC English/Shona/Ndebele

**R. Free Sarawak** has been announcing a change of frequency to 15430 at 1100 starting from today (March 30). The language is Iban. At this stage I don't know the txer site. (Rob Wagner-Australia/EDXP) 15430. R. Free Sarawak. After having moved from 15430 to 15425, and then 15420, this station is being heard here on 15430 again tonight, Apr 19. I cannot confirm the txer site - some say Sri Lanka, Taiwan or Palau - take your pick! (Rob Wagner-Australia/EDXP)

eQSL **Voice of Iranian Kurdistan** 4870 via address secretariat.pdki@googlemail.com. (Patrick Robic-AUT, A-DX Apr 11)

**COLOMBIA** 5909.93, **Alcaraván R**, Puerto Lleras, 0345-0555, Mar 27, Apr 05 and 14, religious comments in Spanish, Latin American songs, ID: "Alcaraván Radio 1530 AM, y en onda corta 5910

kHz, Alcaraván Radio", 24322. (Beryozkin-Russia and Méndez-Spain/DX Window)

**CYPRUS CBC** Nicosia weekend program, BBC Zysi relays have gone for ever. Checked CBC Greek weekend program on March 22 at 2210, usually Interval signal, program 2215-2245 Fri/Sat/Sun relays via BBC Zysi site. NOTHING heard on Friday March 22 night, not even on program start, the carrier of the 3 SW outlets to UK at 314 degrees anymore. (wb, wwdxc BC-DX TopNews March 22) Its been missing for several weeks, with the closure of the BBC (not Babcock!) SW relay station on Cyprus next weekend, it seems that these relays of CyBC may have been discontinued some time ago. I don't know when the final broadcast was, has anyone heard it at all during 2013? (Dave Kenny-UK, BrDXC-UK March 23)

The **BBC World Service's** Cyprus shortwave relay station closed on April 1, meaning listeners are no longer able to listen to the famous World Service broadcasts. Shortwave broadcasts of World Service Arabic will also end by the end of April. The closure of the Cyprus shortwave relay station will see the loss of 26 jobs. These are Foreign and Commonwealth Office and Babcock employees who are funded by the World Service. Peter Horrocks, director of the BBC World Service, said that the changes reflected listening trends, as audiences increasingly embrace TV, mobiles and the internet over shortwave radio. "The changes are in line with our overall strategic aim of ensuring that we are able to respond to changing audience needs and invest in the way audiences consume news," he said. "Shortwave audiences are declining as radio audiences come to rely increasingly on medium wave and FM, and there has been a rapid growth of television and digital media." The UK government's 2010 Comprehensive Spending Review set the World Service the target of saving £42m by April 2014. It has already achieved nearly £30m with the loss of five language services and around 480 jobs. According to the BBC, World Service English shortwave transmissions will be reduced to six hours a day, with 1.5m listeners likely to be lost as a result. Currently, there are between seven and 19 hours of shortwave depending on region. The distribution changes - which include cuts to medium wave transmissions - are designed to save £4.8m in 2013/14. It's a large chunk of the £12m savings the World Service is targeting in its third phase of cuts as a result of a 16% reduction to its grant-in-aid. The World Service first set-up in

Cyprus in 1957 when it established the British East Mediterranean Relay Station (BEMRS) in Limassol, which was one of the most powerful broadcasting stations on the island. (via Andrea Borgnino IWOHK, SW TXsite April 8)

**DIEGO GARCIA** 4319 USB, **AFRTS** feeder, Diego Garcia, 1720, Apr 07, relay in English. 33333. (Giroletti-Italy/DX Window) Also heard at 2220-2309, Apr 05 and 11, "Somebody That I Used to Know" by Gotye, brief ann. more Indie pop. 35443. (Bell-South Africa and Beryozkin-Russia/DX Window)

**ECUADOR** 4781.70, **R. Oriental**, Napo. 1056-1123 on Apr 24. While I was listening to R. Caiari, at 1059, Radio Oriental showed up, covering it. Advs: "Comercial en Ferretero, Comercial Moscoso el quintal de fierro". ID on passing: "Por Radio Oriental", San Juanito mx, ann: "estamos con la información con Ecuavisa. ID: "A través de Oriental", adv: "Casa Ramírez". At 1118, it was necessary to switch to due to mixed QRM with R. Tarma, sx nx. No rcpn thereafter. 33333. (Pedro F. Arrunátegui-Perú in Chasqui DX/Dxplorer)

**FINLAND** 6170, **Scandinavian Weekend R**, Virrat, 2230-2355, Fr Apr 05, Engl ID, requested reception reports to P. O. Box 99, FI-34801 Virrat, Finland; pop music, 34433 QRM CRI in Portuguese 6175. 11690 not heard. Also heard at 0430-0440, 0940-1050 and 1510-1520, Sa Apr 06, Finnish ann and songs, at 0430 22422 (QRM 6165 Ru and 6175 Vt), else 25332. 11720 only weak in the afternoon (15121). (Petersen-Denmark/DX Window)

**FRANCE RFI** seems to have started to QSL again. A couple of nice e-QSLs for their FM relays have been received from Chrystelle Nammour (chrystelle.nammour@rfi.fr). (Vashek Korinek-South Africa/DXplorer)

**GERMANY Trans World Radio** - Nauen A-13:

6105 0700-0720 English Sun  
6105 0700-0750 English Mon-Sat  
7215 0830-0900 Hungarian Daily  
7215 1400-1428 Russian Tue-Sun  
7215 1400-1428 Belorussian Mon  
TWR - Europe, Vienna Office, Frequency Coordination, Postfach 141, A-1235 Vienna, Austria (Bernhard Schraut/TWR)

**HCJB** has registered two channels from Weenermoor for the A13 period: 3995 and 7205 Both are listed

24 hours. It's possible that the 7 MHz channel will be used in summer during the daytime instead of 3995. (BDXC)

7265, **Hamburger LokalRadio**, Göhren, 1135-1145, Sa Apr 13, German conversation about making radio programmes. Back on the air again after a couple of weeks silence, 45444. (Petersen-Denmark/DX Window) On the air We and Sa 0600-0800 and 1100-1500 on 7265 and 0800-1100 on 6190. All reports to: redaktion@hamburger-lokalradio.de. (Taylor-UK, Apr 13/DX Window)

**GUATEMALA Radio Cultural**: This Christian radio station ranks third in the country in the size of its audience compared to all radio stations in the country. (Station via Marlin Field-MI) Use to operate on 3,300. (RAD)

4055, **R Verdad**, Chiquimula, 0445-0606\*, Apr 06 and 14, Spanish prayer and hymns with many verses, from 0500 religious talk in English, at 0556 ID: "Radio Verdad, Chiquimula, Guatemala", anthem and close down, best in LSB due to noise, 33343. (Méndez-Spain and Petersen-Denmark/DX Window)

**INDIA** 4800, **AIR Hyderabad**, \*0020-0050, Apr 13 and 14, AIR IS, ann "Vande Mataram" hymn, Indian songs, 35343. (Petersen-Denmark/DX Window)

4810, **AIR Bhopal**, 0045-0050, Apr 13, Indian songs (not // 4800), 34343, CODAR QRM. (Petersen-Denmark/DX Window)

**ITALY** 9999.994, **Italcable** 10000 kHz. Address: Via del Borgo 6, 55049 Viareggio (LU), Italy. Imitation program of the FORMER national institute time signal station IBF - Istituto Elettrotecnico Nazionale Turin/Torino, Italy; which was heard weekdays xx.45 to xx.00 minutes. (wb, wwdxc BC-DX TopNews March 25)

**KYRGYZSTAN** 4795, **Kyrgyz R 1**, Krasnaya Rechka, Bishkek, \*0000-0020, Apr 06 and 14, National hymn by choir, Kyrgyz song with accordion, opera, 34333 // 4010 (54544). (Petersen-Denmark/DX Window) Also heard at 1619-1625, Mar 23, Kyrgyz talks on industrial production, 32442, QRM from utility station // 4010. (Beryozkin-Russia/DX Window)

**MALAYSIA** 9835 e-mail QSL **RTM Sarawak FM**. RTMKajangQSLNo52/2013: Reception Report of RTM Sarawak FM (SW 9835) By Friedrich-Walter Adam, Germany. "Dear Mr. Adam, thank you for

sending us a reception report of Sarawak FM (SW 9835 kHz) heard on 12th April 2013 between 1851-1857 UT. We shall send the QSL verification soon. Regards, Zulkifli Ab Rahim, RTM, Kajang, Malaysia. Zulkifli Bin Abdul Rahim zulrahim@rtm.gov.my. (Friedrich-Walter Adam-D, A-DX Apr 17)

**MEXICO** 6185, **R Educación**, México D. F., 0537-0552, Sa Apr 06, Spanish comments by male and female, 14321. Also heard at 0452-0502\*, Su Apr 14, classic music, 23222. (Méndez-Spain/DX Window)

**MOLDOVA** No signal from **Radio PMR Pridnestrovye** since April 1. Maybe the transmissions are cancelled. (DX Mix Georgi Bancov & Ivo Ivanov-BUL) The programs of PMR Pridnestrovye are still there, namely 2300-2400 Mon-Fri (i.e. 0100-0200 CEST) (on 9665, not 9655). Observed on 4 and 7 April. Also, the program flow has changed: 2300-2316 English, 2316-2332 French, 2332-2348 German, 2348-2400 mx. The repetition of the English mission falls so away, and German and French language sections have swapped places. As a target area is announced "Europe and America". (Hans Weber-D, wwdxc BC-DX TopNews April 9)

**NIGERIA** 9689.92, **Voice of Nigeria** - Ikorodu. Sudden s/on 0759 with ID, then News at 0800 in Hausa. Started out very weakly then a big boost to the signal at 0804 (almost as if they had turned on the "after-burners"). Apr 16. (Rob Wagner-Australia/EDXP)

**PAKISTAN** Summer A-13 schedule of **Radio Pakistan**:

0045-0215 on 11580 Urdu  
0045-0215 on 17710 Urdu  
0500-0700 NF 15725 Urdu, ex 15100  
0500-0700 NF 17830 Urdu, ex 17835  
0830-1105 NF 15725# Urdu, ex 15100  
0830-1105 on 17720# Urdu  
1200-1300 NF 15730 Chinese, ex 15700  
1200-1300 on 17720 Chinese  
1330-1530 on 15235 Urdu  
1330-1530 on 17520 Urdu  
1700-1900 on 11570\* Urdu  
1700-1900 on 15265\* Urdu

# incl. English news bulletin 0900-0910 and 1100-1105

\* incl. English news bulletin 1700-1710

(DX Mix Georgi Bancov & Ivo Ivanov-BUL)

**PAPUA NEW GUINEA** Rcvd the following QSL e-mail from Father Paul Kote, Director of *Radio Maria*, a Catholic FM network in PNG in response to a recording I sent him of the Catholic Radio Network broadcast on 4960 on Jan 3, 2006 from 1201-1331. "Dear Bruce, Elizta, the audio technician has verified the recording as from St. Gabriel radio from Vanimo (PNG). This radio station is now operated by radio Maria. We are transmitting through 103.5 FM. Many greetings and have blessed day. Thanks, Fr. Paul Kote" WRTH never identified this station as St. Gabriel Radio in its 2006-2008 editions nor did it have any address for sending reports. Apparently, CRN had some problems and Radio Maria was established in 2006 as a new Catholic broadcasting network in PNG. Both organizations were headquartered in Boroko while the St. Gabriel Radio transmitter was in Vanimo as indicated above. Very pleased to get this, especially from a station no longer operating. This was always a tough catch on WCNA even though it had as much power as Wantok R. Light and R. Fly. (Bruce Churchill-CA/DXplorer) Concerning Radio Maria PNG I can add that currently they are working on establishing their FM network. But the tx technician told me, that they also want to reactivate shortwave. (Harald Kuhl-Germany/DXplorer)

**PERÚ** 4774.96, *R Tarma*, Tarma, 0030-0100, Apr 13, Spanish ann and songs, several ID's, 14232, Utility QRM. (Nilsson-Denmark and Petersen-Denmark/DX Window)

4835.03, *Ondas del Sureste*, Quillabamba, 0056-0058, Apr 12 and 13, R Felicidad ID 0056 and 0058, followed by a longer ID with frequencies, etc. Quite good strength. (Nilsson-Denmark/DX Window)

4984.20, *R. Voz Cristiana*, Chilca, Huancayo. 1110-1140 on Apr 17, ID: "Estamos cumpliendo una gran comisión, transmite Radio Voz Cristina para el Perú y el Mundo". I checked fq both on LSB and USB, px: "Siempre en Conexión con Dios", promos: "Escuche el magazin de las mañana todos los jueves y viernes", mx: huayno with rlg lyrics. ID: "Radio Voz Cristiana". Note: Canned ID is given approx. every 5 minutes. 44444. (Pedro F. Arrunátegui-Perú in Chasqui DX/DXplorer)

5980.00, *R. Chaski*, Juliaca. 1134-1202 on Apr 7, rlg px religioso about "Salmo 110, con la Semántica", a transcription pgm from R. Trans Mundial. rlg mx, hymns, ID " Escuche la palabra de Dios en la región

Cusco a través de Radio Chaski 630 kHz...". 44444. (Pedro F. Arrunátegui-Perú in Chasqui DX/DXplorer)

9674.85, *Pacifico Radio* - Lima. Adverts and canned anncts 0740, then a pop ballad at 0746. ID at 0752 and thanking listeners for listening. Fair signal and at equal level to the plasma TV signal from next door! Best heard in LSB. Apr 16. (Rob Wagner-Australia/EDXP)

**ROMANIA** We are sorry to announce that *Radio Romania International* will be leaving the World Radio Network at the end of March. If you would like to contact Radio Romania International, you can email them here: eng@rri.ro. (WRN Newsletter 15 March via Mike Terry/BDXC)

R Romania Int heard in Spanish at 1910 tune-in today, 12 April, on new 11805 ex-11795, still in parallel with 9665. 9665 meanwhile completely wipes out REE Spain in English on the same channel, although fortunately, parallel 11615 to Africa is well heard. (Alan Roe, Teddington, UK)

**RUSSIA** 6085, *R Rossii*, Krasnoyarsk, Krasnoyarsk, 2309-2347, Apr 09, Russian regional programme, 44444. (Beryozkin-Russia/DX Window)

6160.00, *R Rossii*, Pomorye, Koskovo, Arkhangelsk, 0125-0130, Apr 13, Russian ann, opera and romantic song, 34343. (Petersen-Denmark/DX Window) Also heard at 0340-0400, Apr 05, Russian regional programme, 54554. (Beryozkin-Russia/DX Window)

**RWANDA** A13 schedule for *Deutsche Welle* in English via Kigali:

0400-0500 5905 9470 12045  
0500-0530 5905 9470 9800 12045  
0530-0600 9800 12045  
0600-0630 12045 15275 17800  
0630-0700 15440 17800  
1900-1930 11865 11800 15275  
1930-2000 11865 15275  
2000-2100 11800 11865 12070  
2100-2200 11800 11865 12070  
(BDXC)

**SAUDI ARABIA** French and English broadcasts from BSKSA currently observed as follows:

French: 0800-0953 on 17785, 1400-1553 on 17660 - Radio Riyadh

English: 1000-1227 - Radio Jeddah on 17785 at 0752-0800 heard with instrumental music instead of English. (Rumken Pankov 25 Mar/BDXC)

**SOMALIA** A station called *R. Puntland* plans to start on shortwave in June on 6140 and 13800. Power should be up to 25 kW in June. (WRTH - World Radio TV Handbook Facebook page 14th April). This report in English from [www.raxanreeb.com](http://www.raxanreeb.com) (11th April); Garowe (RBC News) Puntland president Dr. Abdurrahman Faroole has officially opened a new radio which will be aired from Garowe. The establishment of this radio which can be heard on shortwaves has been going on for two years in the Puntland capital Garowe. Italian government has funded the radio project and will be the voice of Puntland administration. The radio is on the air now for testing and the enrolment of staff that will be running the radio is underway. (Alan Pennington-UK, BDXC via Jerry Berg/DXplorer) Interesting. But 13800 to me sounds more like they will transmit from leased facilities abroad into Puntland rather than from inside the "country"? Or do they plan an international service for listeners abroad? (Harald Kuhl-Germany/DXplorer) As far as the NASWA Country List is concerned, it seems far too early to say. As Harald suggests this might be broadcasting TO Puntland, rather than FROM Puntland. And even if FROM, more research into the history and current status will be needed. Once people start hearing it, and we have more details, the NASWA committee will convene, research, discuss and make a decision. (Don Jensen-WI, NASWA CLC Chair) Puntland is a region of northeastern Somalia which declared itself an autonomous state in 1998. (Alan Pennington-UK, Apr 15, BrDXC-UK yg/TopNews)

13800, *Radio Puntland*, Somalia, 1400, Apr 17, SIO 252. Folgende Information erhielt ich soeben von der Station: Der Testbetrieb von Radio Puntland auf 13800 lief heute mit nur 50 (!) Watt, da es Intermodulationsprobleme am Sender gibt. Deswegen wurde auch die Bandbreite auf 6 kHz begrenzt, was die momentan geringe Signalstärke des 25 kW Senders erklärt. 50 Watt AM, einer meiner schönsten Empfaenge der letzten Jahre! (Christoph Rätzer-AUT, A-DX Apr 17) First reported log of this new station - RAD. I've just web tuned to the Univ of Twente web SDR rx a few minutes ago, before and at 1400 (April 19). I observed a carrier in the waterfall, some tone as modulation, currently showing, but OC only. (Horacio Nigro-Uruguay/DXplorer) Good window is 1400 till around 1426 Iran

sign-on. When/if they get the 25kW tx operating, this will be easy to hear. (Jari Savolainen-Finland/DXplorer) Jari has also reported this is an Elcor 25 kW unit built in Costa Rica and financed by the Italian government - RAD.

**SOUTH AFRICA** A13 schedule for *Channel Africa* in English from Meyerton Mon-Fri:

0300-0400 3345 5980-me 0400-0500 3345  
0500-0600 7230 0600-0700 7230 15255  
0700-1200 9625 1500-1600 9625  
1700-1800 15235  
(HFCC/BDXC)

**SPAIN** 9660, *REE*, English broadcast is being heard today (Sunday 31 March 2100-2200) not 9650 as shown at [http://programasdx.com/ree\\_a13.html](http://programasdx.com/ree_a13.html) for their week-end transmission to Europe. (Alan Roe, Teddington, UK)

**SRI LANKA** *BBC World Service* has announced the suspension of its FM broadcasts via SLBC (Sri Lanka Broadcasting Corporation). It follows continued interruption and interference to BBC Tamil programming on SLBC in breach of their agreement with the BBC. The BBC took similar action in 2009 when its services were also disrupted by SLBC. Audiences in Sri Lanka can continue to listen to the BBC in Tamil and Sinhala on SW and online. (BBCWS press release 26 March/BDXC)

**SUDAN** Summer A-13 of *Radio Omdurman Sudan*:

0230-0400 NF 7205 Arabic, ex 7200  
1430-1600 NF 7205 Arabic, ex 7200  
1900-2100 NF 7205 Arabic, ex 7200  
(DX Mix Georgi Bancov & Ivo Ivanov-BUL)

Summer A-13 of *La Voix du Soudan*, without frequency changes:

0400-0700 on 9505 Arabic/French/Swahili  
1600-1900 on 9505 Arabic/French/Swahili  
(DX Mix Georgi Bancov & Ivo Ivanov-BUL)

**TAJIKISTAN** *Ovozi Tajik* in Russian as before with 0800-1000 on nothing has changed now confidently accept them at a frequency of 7245. (Shukhrat Rakhmatullaev, Tashkent, Uzbekistan / "deneb-radio-dx")

**UGANDA** 4750, *Dunamis SW*, Mukono(t), 1530-1600, Apr 01, Christian songs. Very hard interference

from R Bangladesh on the same frequency. Very poor, 22131. After 1600 I could not hear the station, because was not any signal at all. The next few days I tried to listen again to the station, but there was not any signal at all. (Dritsas-Greece/DX Window) It may be testing after a silent period. (Ed/DX Window)

**USA** VOA reducing shortwave broadcasts (Press Release): *Voice of America* is reducing some of its radio transmissions this weekend and ending shortwave broadcasts to regions where audiences have alternative ways of receiving VOA news and information programs. The transmission reductions allow VOA to comply with budget cuts required by sequestration and to avoid furloughs of staff members. When the new broadcast schedule goes into effect on March 31st, cross-border shortwave and medium wave broadcasts to Albania, Georgia, Iran and Latin America will be curtailed, along with English language broadcasts to the Middle East and Afghanistan. The new broadcast schedule calls for reductions in some shortwave and medium wave radio broadcasts in Cantonese, Dari/Pashto, English to Africa, Khmer, Kurdish, Mandarin, Portuguese, Urdu and Vietnamese. Direct radio broadcasts to all of these regions will continue. The transmission reductions are expected to have minimal impact on audience numbers since primary modes of delivery will remain. Shortwave and medium wave broadcasts will continue to regions where they draw substantial audiences, and to countries where other signal delivery is difficult or impossible. (DX Mix News, Georgi Bancov & Ivo Ivanov-BUL, via Dan Ferguson-SC)

**EWTN:** Global Catholic Radio Network now has 220 AM and FM radio stations, newest ones being in Alabama, Louisiana, Nevada, North Dakota, South Dakota and West Virginia. Mother Angelica of EWTN in Alabama just celebrated her 90<sup>th</sup> birthday. (EWTN via Marlin Field-MI) Also on SW. (RAD)


**VATICAN** A13 schedule for *Vatican Radio* in English:

0140-0200 Daily 11730-ta 15470-ph  
0300-0320 Daily 15460-va  
0300-0330 Daily 7360-md 9660  
0500-0530 Daily 11625 13765-md  
0630-0700 Daily 13765 15570  
0630-0645 .mtwfs 15595  
0825-1000 Wed 5980 (Papal Audience - multilingual, may include English)

1130-1200 Fri 17590 21650 (mass)  
1530-1550 Daily 11850-ta 15110-ph 17500-drm  
(Saturday: Mass to 1600)  
1615-1630 Daily 15595  
1730-1800 Daily 11625 13765 15570  
2000-2030 Daily 11625 13765  
(Vatican Radio /HFCC/Dario Gabrielli via BDXC)

**VIETNAM** 7210, **VoV 1** Buon Ma Thuot hrd from 0930 w/ man and woman ancrs in VV and various types of background mx in domestic svc. Faded in circa 0915 and at 0930 SINPO 24542. Trending up in signal strength after 0930 (SINPO 35443 by 0955) and dominating the channel over what was presumed AIR Kolkata. By 1025 tune out SINPO was 45544. Slight xmtr hum but not bothersome. Buon Ma Thuot is in the Central Highlands of the former S. Vietnam. New xmtr site for me in Vietnam. (Bruce Churchill-CA/DXplorer)

**ZIMBABWE** While radios play a very important role in many societies especially the third world, Zimbabwean police have declared war on solar powered radios. In many African countries Zimbabwe included radio is the most important medium of communication and communities rely on it to keep themselves informed on news, local and international events. Low literacy levels and poor newspaper circulation makes dependence on newspapers negligible. Poor infrastructure is also another reason why people depend on solar powered radios as most rural areas have not been electrified. On the 19th of February 2013, police spokesperson Assistant Commissioner Charity Charamba told a news conference in Harare that possession and distribution of solar powered Short wave radios was illegal. She accused some opposition parties of distributing the 'illegal devices' to unsuspecting members of the public with the intention "to sow seeds of disharmony within the country especially now that the country is about to embark on the referendum and harmonised elections." (Radio Dialogue via Liagkas Zaxarias-Greece/PlayDX)

Schedules, news and other information about shortwave broadcasting activity can be send to Richard A D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 or via e-mail to rdangelo3@aol.com (please indicate in the subject that your contribution is for Listeners Notebook). Thanks!  
73, Rich 

# Pirate Radio Report

Mike Rohde • 2615 Willow Glen Road • Hilliard, OH 43026 • hfpirates@gmail.com

Welcome to the May pirate report. We summer is nearly here and along with that comes the poor DX conditions of the season.

Well, the word is out that there was a US op that got the knock from the FCC in the last thirty days. Understandably the result of that has been that most of the ops are rather skittish to be active in the near term time frame.

On a more positive note; this month I am very pleased to present an interview with Rave on Radio. Rave has been a recent staple and has been around a lot longer than that, I had no idea that he dated way back to 1994.

So, here we go let's see what Rave on Radio has to say.

Q: When did you first become interested in pirate radio?

A: I had all been an avid SWL since the mid 1970s. In the early 1980's I stumbled upon my 1st "numbers station" - V2a (the Cuban numbers station to be exact) "attencion. attencion" into the 5 number groups in Spanish. That left me staring at my radio for a while....I had no idea what it was...I eventually found out more about numbers stations. Similarly I became interested in pirate radio in the early 90's, when I stumbled upon my 1st Pirate station "Altered States Radio" in the fall of 1993. I became a HUGE fan of Pirate broadcasts and recall a few highlights from other stations that fall like: "...tonight's show is sponsored by (some name) College - you'll never even know you were there"; and "what do you need to drink after a long day of peace talks in the hot desert? A Netan-yoo-hoo". I can still recall how "Up Against the Wall Radio" opened their shows: a long machine gun blast into their ID "You're listening to Up Against the Wall Radio". Cracked me up then & it still does just thinking about it today. Needless to say, I was hooked.

After hearing many more pirates that same fall (such as WLIS, Radio Doomsday, Solid Rock Radio, Voice of the Runaway Maharishi, etc.), I realized that I just HAD to try to get on the air myself - and did so on 2/26/94 (the log in the April 1994 edition of the ACE is below) and again on 4/2/94 (May 1994 ACE below). After that, the radio (an old tube type Hallicrafters) started acting up and had to be abandoned to the dumpster.

A log from the April 1994 ACE:

RAVE ON RADIO: 7417vU, 2/26, \*2225-2252\*, S9 +10dB! "This is a test of Rave On Radio" several times, reports to PiPa only! Non-stop "Rave" mx &; repeat of test announcement. Xmtr drifted & buried Heavy Dude R! PSE QSL. (TRUMMEL,MO)

Q: Is or was there any particular individual that inspired you?

A: Andrew Yoder was a huge inspiration. I think he wrote a book back in the late 80's or early 90's about pirate radio but I'm not certain of that.

Q: How would you describe your programming or programming style?

A: We like to play GOOD music of any type except classical & rap. We tend to stick to what one would call rock and roll, bluegrass, OLD (that means "real") country & western (not what passes for C&W today), folk, as well as old(er) time TV & radio ads/commercials. We also enjoy playing entire albums on the air, and have been broadcasting a "railroad" themed series of shows (3 so far). We also broadcast on certain "memorable" days (like the anniversary of the Kent State shootings and the assassination of Fred Hampton), as well as on certain birthdays (Bob Dylan's for instance) and certain death anniversaries (such as that of Earl Scruggs).

Q: Is there something in particular that you hope to accomplish with your operation? Or in short why do you do it.

A: We do what we do just to give people an outlet from regular FM radio and SW. The music on the radio today S\*\*KS and so we try to fill a gap. Also, it still mystifies us how a tiny little transmitter and some wire stuck up in a tree can yield reports from 2/3rds of the Continental US. We also like to remind our listeners about certain historical events (birthdays, anniversaries, etc.).

Q: If you wanted to deliver a message to your listening public or would-be listening audience what would that be?

A: Our message to listeners is that we do this for YOUR enjoyment and ALWAYS welcome requests for certain albums, songs, or themed shows.

Q: Which pirate stations do you enjoy listening to and why?

A: We enjoy listening to just about any pirate who is on - in particular, we enjoy "Radio Paisano" and "Radio Casablanca" plays some GREAT music, but we think that everyone does a great job these days (how do you NOT love Anne Hoffer Radio??).

Q: Are there any pirate operators/stations that you admire and why?

A: I admire the big signals out there (Wolverine Radio comes to mind) as we have a tiny transmitter and literally have no idea what we are doing most of the time since we broadcast from nearby woods and its often pitch black by mid-show, but we get reports from as far East as NH & VA, as far south as FL & GA, and recently as far west as MT so we are doing something right.

My, many thanks to Rave On Radio!

**Black Cat Radio**, 6925 USB, 2316-2358\*, 04-05-13, SIO: 343 Program of rock tunes by such groups as The Ramones, White Stripes, Gore Gore Girls, The Cult, Teenage Bottlerocket, etc. Reception reports to blackcatradio1@gmail.com. [Lobdell-MA]

**Pseudo Radio**, 6950 AM, 0201-0229, 04-13-13. SIO: 232 Punkish Rock, IDs by YL, announced Blue Ridge Summit mail drop. No email noted. Distorted audio, ID as "It Not Real Radio, it's Pseudo Radio" at QRT. A new one. [Lobdell-MA]

**Rave On Radio**, 6925 USB, 0118-0140. 04-13-13. SIO: 121 Weak signal with rock, noted the tune "The Weight" by The Band, Then ID by OM. [Lobdell-MA]

**Red Mercury Labs**, 6925 USB, 0232-0301+, 04-07-13, SIO: 333. Program of rock with IDs, shout outs to listeners. Music by The Cure, Depeche Mode, Duran Duran. Spike was working on fixing a problem. [Lobdell-MA]


**Undercover Radio**, 6925 AM, 2210-2251\*, 04-06-13 SIO: 454 Dr. Benway, playing music by The Silversun Pickups, spoken word "Another Day In America" by Laurie Anderson. ID 2247 with email as undercoverradio@gmail.com. Off after playing Johnny Cash's cover of "Hurt", a NIN tune. [Lobdell-MA]

**Wolverine Radio**, 6935 USB, 0146-0155+, 04-14-13 SIO: 454. Songs with "wind" in their title, including "Let the Four Winds Blow" by Ray Brown and "The Wayward Wind" by Patsy Cline. Excellent signal. [Lobdell-MA]

**X-FM**, 6950 AM, 0234-0438\*, 04-14-13 SIO: 343 Live show with pop and rock tunes, greetings to listeners emailing and posting on the HF Underground. Even had a call in number 408-800-6925! Best I've ever heard this one. [Lobdell-MA]

## Euros

**Radio Space shuttle-Finland**, 15880 USB, 1156-1214, 04-14-13 SIO:222 Rock tunes by Champagne and Alizee, live and canned IDs. Seemed to go off at 1214. [Lobdell-MA]

**Black Bandit Radio**, 6715 AM, 2326-2333+, 04-06-13. SIO: 232 Country & Western tune, ID by OM in EE, more music. Transmitter kept going off and on. [Lobdell-MA] 

# QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



**dwójka**  
POLSKIE RADIO

**BHUTAN:** Bhutan Broadcasting  
\* **Service Corporation** 6035 f/d  
ltr. in 5 wks. for a taped  
rpt. and \$3.00. v/s Kaka Ts-  
hering, General Manager.  
Addr: P.O. Box 101, Thimpu,  
Bhutan. (Smith-MA).

**EURO PIRATE:** Radio Spaceshuttle

**International** 15880 f/d "Ski Ladies" email QSL in 2 wks. from Dick  
Spacewalker. Email: spaceshuttleradio@yahoo.com This station is loca-  
ted in Finland. (Lobdell-MA).

**FRENCH GUIANA:** NHK World Radio Japan 11740 via **Montsinery** f/d "The Chil-  
dren of Kabuki" cd. in 3 wks. (Molander-CA).



**GERMANY:** Norddeutscher Rundfunk (NDR) 7335 "Gruss  
an Bord Program" via **Wertachtal** The station  
verified my email rpt. w/ a 2 page f/d verifi-  
cation - QSL ltr. from Wolfgang Heinemann,  
Senior Editor. I also rcvd. a schedule for the  
transmission used during the Christmas Eve pro-  
gram, a Hamburg view card w/ a hand written  
note thanking me for my rpt. and an NDR Info  
pamphlet in the German language in 18 ds. Wolf-  
gang notes that the Gruss an Bord program is in  
its 59th year and provides a very popular plat-

**STATION NOTES:** **KTRW Trans World Radio** 11840 v/s  
Rebecca Philyan, Secretary. Addr: P.O. Box  
8780, Agat, Guam 96928 Email: ktwrfd@guam.t  
wt.org **Voice of America** 15250 via **Tinang**  
Email: manager-philippines@pht.ibb.gov Addr:  
International Broadcasting Bureau, VOA Phil-  
ippines Transmitting Station, P.O. Box 151,  
CPB 1090, Manila 1050, Philippines. **Nova Ra-  
dio Religio** 4905 Email: CONTACT=nossaradiorio

@gmail.com Addr: Nossa Radio / Nova Religio, Estrada dos Ban-  
deirantes 1000, Taquara, Rio de Janeiro, RJ, CEP-20040-009, Brasil.  
**Focus Radio** 6284.6 Email: focus@live.co.uk **Free Radio Service Holland**  
7685 Email: frs@frsholland.nl **Skyline International Radio** 3905 Email:  
skylinehorizon221@hotmail.com **Radio Joystick** 7330 Addr: PF 2331, DE-  
55512, Bad Kreuznach, Germany...via PLAY DX...Sam,



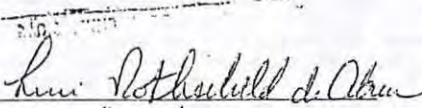
form for sailors  
to send greetings  
to relatives and  
for families to  
send season's  
greetings and  
best wishes for  
the New Year to  
relatives work-  
ing on board  
ships over the  
holiday period.  
NDR rents short-  
wave frequencies  
so the program  
can be heard

# QSL

Certificado de Sintonia

Estação Rádio Mundial/Rádio Nossa Voz, São Paulo  
Para Richard A. D'Angelo

Agradecemos o seu relato de recepção. Confirmamos a exatidão dos seus detalhes de nossa emissão no dia 8 de Janeiro de 2006 entre as 05.25 e 06.05 horas na frequência de 3.325 qHz. com \_\_\_\_\_ watts.

  
firma e selo

Rafael Rodriguez R. (who actually sent the eQSL based on Ray's instructions). Ray mentions in his email: Radio Logos is located at the end of the road from the larger City of Tarapoto, Peru. The signal is

across the seven seas. The station invites all listeners to tune in again this upcoming Christmas Eve although the frequencies will probably change. (D'Angelo-PA).

**JAPAN: Radio Nikkei 9595**  
f/d "TNX FR UR QSL with Tokyo Scenes" cd. in 15 ds. (Molander-CA).

**PALAU: Radio Australia 9965**  
\* f/d "Sunset over Shepparton - Broadcasting Radio Australia" cd. in 3 mos. (Molander-CA).

**PERU: Radio Logos 4810 The**  
\* station verified my email rpt. w/ an electronic attachment reply in 1 day from Ray Rising, Project Director and from

**STATION NOTES: Radio Cairo 6270 v/s Mrs. Samia Abdel Haidi, Director of Wave Propagation Department. Email: freqmeg@yahoo.com Focus International 6285 Email: focus@live.co.uk Irish Music Radio 6943 Email: imr 6930@yahoo.com CBC Northern Quebec Service 9625 v/s Nathalie Chamberland, Secretary. Email: nathalie.chamberland@radio-canada.ca Radio 9 de Julho 9820 v/s Jose Renato Ferreria, Director. Addr: Rua Manuel de Arzao 85, CEP-02730-030 Sap Paulo, SP., Brasil. Radio Television Malaysia Way FM 11665 v/s Lai Jin Jin Email: laijinjin@yahoo.com Addr: Jabatan Penyiaran Malaysia Sarawak, Bangunan Penyiaran, Jalan P. Randee, 93614 Kuching, Sarawak Channel Africa 15235 v/s Hoosens Sikander. Email: hoosens@sentech.co.za ...via PLAY DX...Sam.**



beamed to the jungle State of Loreto in 9 indigenous languages. This is also at the end of the electric power grid. This has presented problems with power surges damaging the TB-1000 1 KW transmitter. Since

it was installed in July 2012 it has been off the air 3 times. Once it was repaired by instructions via SKYPE/Video and twice by our engineer from Canada. The last time more line voltage protection, including a Ferro resonant transformer was added. The receivers are fixed tuned units from Galcom. These are sent to the rural areas. Hope this information is helpful. Your friend, Ray Ris-



Dangi Kurdistan Iran  
<rdk\_iran@yahoo.com>  
02/15/2005 03:00 AM

To: rdangelo@gpu.com  
cc:  
Subject: dear richard

dear richard

Thank you verymuch for your related.

We were happy ,when saw yourletter.Ok,we would like to give you more information about ourself,and we would like more acquainted with you too.

But do you know every think about us,about our party,our politics,our nation and etc?  
Please can you tell us,how do you acquainted with ourstation.

Dear Mr Matt Hendrick

We are glad to verify your reception report on our program transmitted on 9670 KHz at 0309 hours - hours UTC dated 3.22.04

Your further reception reports on our broadcasts are welcome.

Sincerely yours,  
English Service

China Radio International

ing, K4LWJ/HK3SR. The station's website is: [EthnicRadio.org](http://EthnicRadio.org) (D'Angelo-PA).

**PHILIPPINES: FEBC Radio International 9405 via Bocaue** The station verified my email rpt. w/ an email reply in 9 ds. from Owen (who is a ham operator w/ a US call of KHØEX and a New Zealand call ZL10G). He indicated that he can only confirm by email since he isn't set up to verify by any other means. Owen states that

**STATION NOTES: Radio Rainbow 3935** Email: [radio.rainbow@hotmail.com](mailto:radio.rainbow@hotmail.com) **Radio Cultura Manaus v/s Mrs. Terezinha Patric, QSL Secretary.** Email: [radiocultura@hotmail.com](mailto:radiocultura@hotmail.com) **Radio Nord Revival 5895** Addr: QSL Manager, Ronny Forslund, Vita Huset, S-17995 Svartsjo, Sweden. **Radio 6150** Email: [QSL@radio6150.de](mailto:QSL@radio6150.de) **CFRX 6070 v/s Steve Canney, QSL Manager.** Addr: 1831 Waterdown Road, Burlington, Ontario, Canada L7P 5A2. ....via PLAY DX...Sam.

he resides in Tauranga, New Zealand and he used to live and work at KFBS in Saipan. His primary task was maintenance of the antenna array (4 85 meter towers and 3 hi gain TCI 611 curtain antennas) while living at Bocaue. The transmitters in Bocaue are Continental C100, model 418E and 418F 100 KW, with solid state modulators. The antennas are TCI 611 curtain antennas - an updated version of what was at KFBS. (D'Angelo-PA).

**THAILAND: Voice of America - International Broadcasting Bureau 7460 f/d** "Transmitter Building" cd. in 1 mo. for a rpt. sent directly to the site. (Lobdell-MA)  
**USA (Pirate): Black Cat Radio 6925 f/d** email QSL in 1 day from: [blackcatradio@gmail.com](mailto:blackcatradio@gmail.com) (Lobdell-MA).

**STATION NOTES: Apsua Radio Abkhazia Radio 9489.7** Email: [apsuaradio@mail.ru](mailto:apsuaradio@mail.ru) v/s Susana Badzba, Station Broadcaster. **Furusato No Kaze 11775 via Darwin v/s Mr. Sunouchi Tomoyuki** Addr: Policy Planning Division, Headquarters for the

Abduction Issue, Cabinet Secretariat, Government of Japan, 1-6-1 Nagata-cho, Chiyoda-ku, Tokyo, Japan. Email: [hai@rachi.go.jp](mailto:hai@rachi.go.jp)...via PLAY DX...Sam.

**UZBEKISTAN: NHK World Radio Japan 11760 f/d** cd. in 24 ds. for \$2.00 and a local postcard. (Comeau-MA).

I want to thank Ross Comeau for sending me some very nice illustrations that will be used in future QSL Columns. I guess you all noticed that the NNNNN on my typewriter is a little damaged. Till next time best of QSLing...Sam

*Sam*



# Contributors' Page

Steven Handler • 113 McHenry Rd #178 • Buffalo Grove, IL 60089 • stevenhandler-naswa@yahoo.com

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

The following members sent in contributions:

- |   |   |
|---|---|
| <b>Scott R. BARBOUR Jr.</b> , Intervale, NH | NRD545, MLB-12, 200' Beverages, 60m dipole          |
| <b>Bob BROSSELL</b> , WI                    | NRD-545, Eton E1, Sony ICF SW 77                    |
| <b>Eric BUENEMAN</b> , Hazelwood, MO        | FRG-7, ATS-803a, 150 ft dipole                      |
| <b>Richard CUFF</b> , Allentown, PA         | no equipment listed                                 |
| <b>Rich D'ANGELO</b> , Wyomissing, PA       | RX340, R8-B, E1, E5 DX Sloper, Mini-Wind, FL3, ANC4 |
| <b>Elliot FEINBERG</b> , Brooklyn, NY       | Sangean ATS-909, Tecsun PL-660, indoor whip         |
| <b>Marlin FIELD</b> , Hillsdale, MI         | NRD535D, long wire.                                 |
| <b>Steven HANDLER</b> , Buffalo Creek, IL   | Icom R-75, Tecsun PL-660, 33' indoor wire dipole    |
| <b>Glenn HAUSER</b> , Enid, OK              | FRG-7, YB400, SW-07, ATS-909, lw                    |
| <b>Don JENSEN</b> , Kenosha, WI             | NRD-545, E1XM, E5, Alpha Delta Ultra                |
| <b>William McGUIRE</b> , Cheverly, MD       | DX-380  |
| <b>Chuck RIPPEL</b> , Chesapeake, VA        | Microtelecom Perseus, Allied sx-190                 |
| <b>Alan ROE</b> , Teddington, UK            | Eton Satellit 750 with 10 meter long indoor wire    |
| <b>Dave TURNICK</b> , Sinking Spring, PA    | RX340, WinRadio, Alpha Delta sloper                 |
| <b>Robert WILKNER</b> , Cedar Key, FL       | NRD545,535D, R8. IC746Pro, E1 Sat 800, Flex EWE     |

To the above fifteen contributors this month, our thank you. If you contributed and we missed your name this month, I am sorry. To all NASWA members, have a happy and safe Memorial Day. Good DXing-Steve Handler



2000-5900 kHz


## Tropical Band Loggings

Scott Barbour • P. O. Box 893 • Intervale, NH 03845 • srbjrswl@yahoo.com

- 2325 **AUSTRALIA VL8T** Tennant Creek 1120 M ancw w/ sports talk; fading fast; no longer readable by 1132; no sign of 2310; 3/20. (Rippel-VA)
- 2485 **AUSTRALIA VL8K** Katherine 1243 Aussie talk; poor sig but no ute blob; I am relieved to note, tho some het maybe from a lcl device; somewhat better on //2325-VL8T; 3/12. (Hauser-OK)
- 2850 **NORTH KOREA KCBS** Pyongyang 1000-1120 Noted here w/ audio during band check; 3/17 & 22. (Wilkner-FL) 1105 Spirited talks by M ancw into martial mx; 3/28. (Rippel-VA)
- 3205 **PNG-NEW GUINEA TERRITORY NBC Sandaun/R. West Sepik** Vanimo (P); 1246 Mx on v. poor sig, but the only 90m PNG freq w/ anything (except 3325 probably Indonesia instead); have all the others s/off by now?; R. Howard rpted this one reactivated Feb 28; 3/12. (Hauser-OK)
- 3329.5 **PERU Ondas del Huallaga** Huánuco \*1000-1040 M ancw chat; difficult sig in Florida; alas there every day same time; heard using the notch on the R7; 3/15 & 23. (Wilkner-FL)
- 4319U **DIEGO GARCIA AFN** 0000 M ancw w/ nx; ute beep on top; using 1.4k filter; 3/23. (Wilkner-FL)
- 4451.2 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 0000-0020 Noted here w/ fair sig; best heard in USB; 3/23. (Wilkner-FL)
- 4699.9 **BOLIVIA R. San Miguel** Riberalta 0958-1015 M vclist; strong sig; 3/23. (Wilkner-FL)
- 4700 **UNIDENTIFIED** 0101 Two JBA carriers, maybe a bit of modulation from one; checking this out again upon inquiry from T. Nilsson, Sweden; around 0300 he was hearing something, the audio clip of which sounds to me like HoA mx; i.e. new freq from V. of the Broad Masses of Eritrea as per many other logs, but not a time when I monitor much, VOBME would not be on at 0100; so my theory remains that one of them I hear is Bolivia & the other maybe a 5 x 940 harmonic; 3/12. (Hauser-OK)

- 4716.6 **BOLIVIA Radio Yura** Yura noted 1030-1045 Last to s/on usually w/ 4699.9 R. San Miguel & R. Lipez much earlier; 3/14-16. (Wilkner-FL) 0000-0010 Mx; strong sig; 3/22. (Wilkner-FL) 4716.76 0053 (P); Ballad vcl mx; 0104 ancments ment. Bolivia, events or ads; fair but best S. American sig around here now; occasional QRM from carrier on hi side, ute; 3/14. (Hauser-OK)
- 4750 **INDONESIA-SULAWESI RRI Makassar** 1249 Deliberate talk, spelling, think it's the "Kang Guru Indonesia" weekly Australian EE lesson from RRI Makassar; also songs at 1250 & 1259-1301 which could have passed for S. Asian, but this one is slightly on the low side; 1301 ancment; R. Howard has rpted KGI around this time on Tuesdays; 1306 W w/ Indo ancment from RRI Makassar; fair; 3/12 & 14. (Hauser-OK)
- 4754.9 **BRASIL R. Imaculada Conceição** Campo Grande 0845-0910 Locutor em português, strong sig using the new Drake R7; forgotten the exc. audio of this now vintage radio; 3/16. (Wilkner-FL)
- 4781.5 **ECUADOR R. Oriental** Napo 1102-1105 (T); So weak I couldn't ID the lang; poor-JBA sig; 3/12. (Handler-IL) 4781.56 0057 Singing here is the best S. American sig, no doubt the variable HCLE7, R. Oriental, Tena, Napo; 3/21. (Hauser-OK) 4781.76 (P); 0111 In SS; 3/15. (Hauser-OK)
- 4789 **PERU R. Visión** Chiclayo 0825 Off the air; speculation re operate 24 hours a day may be incorrect; 0900 noted; 3/12. (Wilkner-FL) 4789.9 0650 The one noted here; 3/18. (Wilkner-FL)
- 4789.84 **INDONESIA RRI Fak Fak** 1050 (P); M anc in lang w/ lengthy talks; fading fast & nearly into the noise by 1100; 3/28. (Rippel-VA) 4790 1303 Indo talk; rough modulation; louder than 4750; this 4790 sig was not there a few minutes earlier before 1300; 1303 mx; 1305 beeps like a protracted time sig mixed w/ other audio; all vs CODAR; 1306 mx; overmodulated w/ some distortion; 1314 ancment in Indo; 1325 fading down; RRI Fak Fak, which just reactivated after almost 10 months; 3/12. (Hauser-OK)
- 4795.87 **BOLIVIA R. Lipez** Uyuni 0923-1045 M anc w/ mx; noted on as early as 0900; was broadcasting last March and left the air after a week; if in need of QSL the time may be now; steady sig in Florida; 3/12, 16 & 18. (Wilkner-FL)
- 4805 **BRASIL R. Difusora do Amazonas** Manaus 1005-1015 Noted w/ locutor em português & unusually strong sig; 3/12. (Wilkner-FL)
- 4810 **PERU R. Logos** Chazuta 0925-1117 Beautiful flauta Andina w/ incredibly strong sig; from 1045-1105 drowning out CODAR totally; then quickly into f/out; flutter by 1117; 3/12 (Wilkner-FL)
- 4824.86 **BRAZIL UNIDENTIFIED** 0047 PP; Weak mx vs CODAR; 0102 sounds like a hymn; still not sure which of the two ZYs this be; 3/16. (Hauser-OK)
- 4824.96 **BRAZIL UNIDENTIFIED** 0051 PP; Sounds like preacher, could be David Miranda; poor w/ flutter, but no sign of a het on hi or lo side from Peruvians; (P) R. Canção Nova, Cachoeira Paulista SP; J. Freitas points out that RCN is Catholic, so if it was really Miranda, it must be from the other ZY on 4825, R. Educadora, Bragança; he could also be on a Peruvian in Portunhol; 3/16. (Hauser-OK)
- 4825 **UNIDENTIFIED** 0057 One of the better 60m LA sigs here; mx sounds relg; CODAR; 0058 SS ancment; 0106 something about the Vatican; (P) LV de la Selva Iquitos, Perú but I should have measured the freq since that one is on 4824.5; pretty sure it was not as far up as 4826.5, i.e. R. Sicuani; 3/13. (Hauser-OK)
- 4826.5 **PERU R. Sicuani** Sicuani 0840 Noted as the first Peruvian on in the lcl morning; M anc; 3/12 & 16. (Wilkner-FL) 0230-0245 The one noted here; 3/18. (Wilkner-FL)
- 4835 **AUSTRALIA VLBA** Alice Springs 0835-0840 The one noted here; 3/18. (Wilkner-FL) 1302 EE; Still here w/ poor sig; 3/18. (Hauser-OK)
- 4835 **PERU Ondas del Suroriente** Quillabamba 0000-0035 Noted here en espanol; 3/10. (Wilkner-FL)
- 4840 **USA WWCR** Nashville 0049 WWCR-3 is already on, w/ DST now starting at 0000 UT instead of 0100; 3/12. (Hauser-OK)
- 4876.2 **BRASIL R. Difusora Roraima** Boa Vista 0906-0930 PP; M anc into ballads; v. strong; 3/12. (Wilkner-FL) 4876.7 0245 The one noted here; 3/18. (Wilkner-FL) 4878.5 0932-0953 Brazpop vcls; M anc w/ PP talk; ID followed by more vcls; phone calls from listeners; fair; 4/8. (DiAngelo-PA)
- 4885 **BRASIL R. Clube do Pará** Belém 0530-0650 Braspops & ballads; good; 3/18 & 19. (Wilkner-FL)
- 4910 **AUSTRALIA VLBT** Tennant Creek 0820-0830\* M anc w/ talk; audio improving as S. Hemisphere moves toward fall; 3/12 & 18. (Wilkner-FL)
- 4915 **BRASIL R. Difusora Macapá** Macapá 0820-0835 Quick ment. of Macapá; good; 3/18. (Wilkner-FL)
- 4939.9 **PERU R. San Antonio** Atalaya 0948 Locatura y locutor en español y musica; 1000 lost to China; also 0000-0100; great sig w/ locutor con la ID twice; exc. mx & good, steady sig w/ the R7 here; 3/12. (Wilkner-FL)
- 4985 **BRASIL R. Brasil Central** Goiania 1000-1015 Usually weak in the morning; covered by RTTY 2300-0100; speculation RTTY may be lcl; 3/7. (Wilkner-FL)
- 4965.1 **BRASIL R. Alvorada** Parintins 0900-0930 M anc in PP; good; 3/12 & 18. (Wilkner-FL)
- 4974.92 **PERU R. Pacifico** Lima 0907-1000 The one noted here....and other days recently; 3/12. (Wilkner-FL)

- 4975 **BRASIL R. Nossa Voz** 0900-0940 Locutor em Português; período de música do Brasil; 3/12. (Wilkner-FL)[DBS-15 lists this as R. Iguatemi-ed.]
- 4976 **UGANDA UBC Radio Kampala** 0400 EE; ID & nx; f-p; 3/15. (Brossell-WI)
- 4990 **SURINAME R. Apintie** Paramaribo 0846-0959 M anc in listed Dutch w/ sound fx; M & W ancs w/ talk; occ. ute on top; tnx M. Coady log; 3/10 & 12. (Wilkner-FL) 0814-0835 M anc in listed Dutch; ballads & talk thru BoH; weak but clear; 3/19. (Barbour-NH)
- 5010 **INDIA AIR Thuruvananthapuram** 0018 IS; ancments at 0020; short vcl into talks by W anc; SC mx at 0022; 3/13. (Rippel-VA)
- 5010 **UNIDENTIFIED** 0056 Weak sig w/ W talking; could be FF; expected a leapfrog from RHC-5040 over Rebelde-5025, but the FF on 5040 seems like a different voice (I have only one receiver, the DX-398 on the porch, at hand); maybe Madagascar?; 3/13. (Hauser-OK)
- 5019.9 **SOLOMON ISLANDS SIBC** Honiara 0910-0930 Noted here w/ Havana powered down; 3/16. (Wilkner-FL)
- 5025 **CUBA R. Rebelde** Havana 1308 Song in EE, "Devil Went Down to Georgia" by Charlie Daniels Band w/ hot fiddling worthy of Kyle Dillingham; could it be Australia?; Naah, back-announce in SS, so R. Rebelde as usual; also mentioned FM 96.7, so was this a separate R. Rebelde FM prg on SW?; 3/14. (Hauser-OK)
- 5039.1 **PERU R. Libertad** Junín 1100-1120 M anc w/ chat; f/out; 3/22. (Wilkner-FL) 5039.22 1000 SS; M anc w/ talk; good; 3/12. (Wilkner-FL)
- 5040 **CUBA RHC** Havana 0550 In SS instead of EE, which continued on the overkill 49m chs; also: now what?; at 0540, RHC is in EE this hour today, unlike SS yesterday; also // 4 x 49m channels; 3/18 & 19. (Hauser-OK) 2336-0000 EE prg on 60m outlet re stamp collecting & Arnie Coro w/ Science & Technology feature; IS at 0000 followed by SS prg; good; 3/23. (DiAngelo-PA)
- 5050 **CHINA Beibu Bay Radio** Nanning 2258 (P); Ballad, M anc at ToH in unid lang; though sounding very much like CC; bit of mx & more talk; v. poor, too much adjacent ch. splash to tell if //9820 or not; 3/18. (Barbour-NH)
- 5050 **USA WWRB** Manchester 2314 WWRB is active today, some preacher; usually runs //3215 or 3195, but none of the 3 MHz chs audible this early; 0053 medical discussion w/ hum; 0104 big band mx fill on both 5050 & 3195; 0249 both w/ distorted piano hymn; 3/16. (Hauser-OK) 0057 Extra WWRB txmitter is on again w/ gospel huxter about the papacy; 3/24. (Hauser-OK)
- 5110v-CUSB **USA WBCQ** Monticello 0131 World of Radio 1660 monitoring; confirmed on Area 51, starting just after 0131; 3/16. (Hauser-OK)
- 5460 **PERU R. Bolivar** Cd. Bolivar 0000-0020 Noted here w/ mx; 3/4. (Wilkner-FL)
- 5745 **USA VOA** Greenville \*0227-0300\* Open carrier until mx at 0230 when Radiogram prg commenced w/ Kim Andrew Elliott hosting; talk re digital txmission modes & software; also, various digital txmission modes used by amateurs were b/cast; M anc gave the e-mail address as radiogram@voanews.com; good; 3/17 & 24. (DiAngelo-PA)
- 5765U **GUAM AFN** Barrigada 0853-0913 Chat re "...since 1775...the navy...Capt. John Paul Jones..." & discussion touching of sentençing guidelines; 3/12 & 16. (Wilkner-FL) 1250 Back on night freq w/ discussion re Groupon, unseems NPR WESUN; 3/24. (Hauser-OK)
- 5890 **USA WWCR** Nashville 0526 WWCR-4 back here w/ Bro. Scare, so last night's 7520 instead was an anomaly; 3/15. (Hauser-OK)

Apologies for a light column this month. Somehow, I was dropped from the Flashsheet distribution list. I will be including missing logs in next month's column. 

## International Band Loggings

5901-30000 kHz

Dave Turnick • 372 Spohn Road • Sinking Spring, PA 19608 • david.turnick@gmail.com

- 5952 **BOLIVIA presumed R. Pio Doce XII** Siglo Viente 0216-0230\* Feb 21 SS; M & W announcers w/ talk; M sounds via telephone or remote; various announcers over & between mx bits; presumed IS of repetitive strings at 0229 then off; weak in ECCS-USB to avoid het on low side. (Barbour-NH)
- 5960 **TURKEY** 1/14 2300 EE IS, ID, Freq schedule, National news, Good (McGuire, MD)
- 5970 **BRAZIL Radio Itatia**. Bible program (Erbelis-NY)
- 6040 **CYPRUS BBC**-Limassol, 0335-0359\* Feb 24, Arabic service with man and woman announcers hosting features some with English before translation and analysis began. Poor to fair. (D'Angelo-PA)
- 6045 **PHILIPPINES VOA** 2235-2250, Chinese (Erbelis-NY)

- 6055 SPAIN *REE* 0017-0058, mx, quotations from Jane Goodall (in her own voice), discussion of photography of Robert Adams. Good to know this station is still with us, good signal 3/1/13 (FEINBERG-NY)
- 6105 GERMANY *TWR* 0801-0830 in EN. (Turnick-PA)
- 6115 CHINA *Voice of Straight* via Fuzhou 1247 in Mandarin with male and then at 1248 female presenters separated by a musical bridge. Audio clip of a man talking at 1249. Fair-good signal. 2/28/13 (Handler-IL)
- 6295 CHINA *CRI* 2200 in SS. (McGuire-MD)
- 6885 ISRAEL *Galei Tzahal* - Lod, 0352-0423 Feb 21, man and woman announcer with talk in Hebrew language followed by light guitar music, more talk and some vocals. Music fanfare at 0400 followed by ID and news. Return to music programming at 0403. Fair signal with some deep fades. (D'Angelo-PA)
- 6925 US PIRATE *Man in the Moon* 2206-2224 with moon themed songs. (Turnick-PA)
- 6925 US PIRATE *Voice of Alix* 0001-0030. Program dedicated to Alix Rice. Good (Turnick-PA)
- 7120 SOMILAND *R. Hargeria* 0400-0425 (Erbelis-NY)
- 7200 SUDAN *R. Omdurman* Al-Aitahab 0238-0302 Feb 21 AA; Ko'ran-like chants; M announcers w/ lengthy talk; (T) mentions of Mali; ID at ToH into more Ko'ran-like chants; fair. (Barbour-NH)
- 7260 CHINA *CRI* via Xian 1250-1253 CRI in Japanese with male and female presenters. At least one and possibly two other stations underneath. Fair signal. //7325 2/28/13 (Handler-IL)
- 7290 RUSSIA 1/15 0100, EE, ID, National news, mention of Japan, Good(McGuire,MD)+B35
- 7295 IRAN *Voice of Palestine* 0330-0343 in Arabic. (Turnick-PA)
- 7295 RUSSIA *VOA* via Novosibirsk 1433 in CC. Good overall (Parker-PA)
- 7375 GERMANY (EAST) *The Mighty KBC* via Nauen 0009-0034 songs, commercials and IDs. Male DJ. Excellent signal very slight fading. 3/3/13 (Handler-IL)
- 7385 CHINA *CNR* - Xiang. 0930-1020 Chinese (Erbelis-NY)
- 7435 SEYCHELLES *BBC* World Service - Mahé, 0310-0341 Feb 21, English language news features with latest events in Lance Armstrong doping case one of the topics. ID at 0330 followed by news. Fair to good signal with moderate fading. (D'Angelo-PA)
- 7470 MONGOLIA *RFA* 1240 in vern. (Parker-PA)
- 7520 SRI LANKA *VOA* 1234. (Parker-PA)
- 7550 INDIA *AIR* 2203-2230 nx, comm, lite mx, s/off, good signal 1/27/13(FEINBERG-NY)
- 7580 NORTH KOREA *VOK* 1226 in JJ. (Parker-PA)
- 7595 OPPOSITION *Radio Free Chosun* via Dushanbe, Tajikistan 1240-1304 Korean with male and female presenters. Poor to fair signal. 2/20/13 (Handler-IL)
- 9400 PHILIPPINES *FEBC* 1336 with choir mix. (Parker-PA)
- 9430 PHILIPPINES *FEBC* via Bocaue in Mandarin with song at 1343 followed by two different male speakers in Mandarin at 1345. Fair signal. 3/3/13 (Handler-IL)
- 9445 INDIA 1/1 2200, EE, ID national news, mention of Pakistan, good(McGuire, MD)
- 9450 BULGARIA *The Mighty KBC*, 0045-0159\* Feb 17, Moody Blues and other 60's
- 9500 UZBEKISTAN *CVC* Int'l 1310 in JJ. (Parker-PA)
- 9510 SIR LANKA *R. Free Asia*, Burmese (Erbelis-NY)
- 9540 BULGARIA *Mighty KBC* 0003-0131, dj w rock mx and station promos,signal fluctuated from good to poor 1/26/13 (FEINBERG-NY)
- 9550 CHINA *CNR-1 CRI REE*. 13:59.35-1401.25 GMT REE interval signal followed by time tips with the ToH pip followed by CNR-1 in Mandarin on top with CRI's musical sign on underneath CNR-1, the CRI musical sign followed on CRI with a female into listed Vietnamese. 2/28/13 (Handler-IL)
- 9580 GABON *African No. 1*, 2235-2318 Mar 8, woman announcer talking in French language hosting a music program. ID by the woman at 2259 followed by a man announcer with news. ID by man at 2309 followed by music fanfare with news continuing with many remote reports. Poor to fair with bad het that disappeared at 2301. (D'Angelo-PA)
- 9655 GERMANY 1/14 2100 is, id African service, mention of Mali, EE Good (McGuire, MD)
- 9685 GERMANY *Pan Am Broadcasting* 1930-1958in English with Gospel programming. (Turnick-PA)
- 9730 VIETNAM *V of Vietnam* 2005-2027 (Erbelis-NY)
- 9790 ROMANIA 1/14 2205 id, National news, SS service, good(McGuire, MD)
- 9915 UNITED KINGDOM *BBC* 1957-2002 in AA. Big Ben chimes.(McGuire-MD)
- 9920 PHILIPPINES *FEBC* Iba 1211-1233 Feb 21; M & W announcers w/ discussion in indigenous lang; ballad at 1228; brief W announcer & accordion bit at 1231 followed by M announcer; fair at best. (Barbour-NH)
- 9960 PALAU *presumed Khmer Post Radio Koror* 1202-1211 Feb 21; W announcer in listed Cambodian; bit of mx at 1209 into more talk; v. poor in ECCS-USB to avoid RTTY-like QRM on low side. (Barbour-NH)
- 9965 PALAU *Radio Australia* (p) at 1347 with music. Poor signal. 2/15/13 (Handler-IL)
- 9965 OPPOSITION *Nippon No Kaze* 'il bon ue baram' via Palau targeting North Korea 1530 sign on Korean with ID and female presenter. Poor signal. 2/18/13 (Handler-IL)

- 9975 **GUAM KTWR** Trans World Radio (p) 1433-1437 with female presenter in Mandarin. Poor signal. 2-17-13 (Handler-IL)
- 11510 **OPPOSITION Denge Kurdistan** via unconfirmed transmitter location possible Ukraine or Pridnestrovie. 1349-1405 male presenter in Kurdish including speaking to another man who sounded like he was on the phone. Fair-good signal. 2/15/13 (Handler-IL)
- 11510 **OPPOSITION Denge Kurdistanya** 1349 in Kurdish. (Parker-PA)
- 11517 **OPPOSITION Voice of Tibet** reported to be via Dushanbe, Tjikistan. (p) 1330-1358 with 1344-1349 fade out. Listed Tibetan language program, heard male and female speakers. No jamming, Firedrake or otherwise, was heard. 2/16/13 (Handler-IL)
- 11600 **LIBYA Radio Libya** - Sabrata, 1634-1710 Feb 16, man and woman with excited Arabic discussion program with some music segments. ID and news at 1700. Poor to fair signal. (D'Angelo-PA)
- 11615 **OPPOSITION Radio Damal Voice of the Somali People** via Woofferton, England targeting Somalia 1830-1840 sign on in Somali, musical interludes and then male presenter Fair peaking to good signal 2/18/13. (Handler-IL)
- 11625 **VATICAN STATE Vatican Radio** 2020-2026 in EE.(McGuire-MD)
- 11635 **ROMANIA RRI** 1748 French language program with song in progress. At 1750 male presenter in French. Fair signal. 2/16/13 (Handler-IL)
- 11635 **TAIWAN R. Taiwan** 2235-2250 Chinese (Erbelis-NY)
- 11670 **INDIA All India Radio** - Bengaluru, 2107-2230\* Feb 23, English commentary about Nepal followed by General Overseas Service ID and program previews. Indian instrumental music until ID at 2130 followed by interview with professor about India relations in Asia. Transmission closed with the woman announcer giving times of broadcasts and frequencies. Fair to good. (D'Angelo-PA)
- 11680 **SPAIN REE** 2100 in PP. Good .(McGuire-MD)
- 11685 **GUAM AWR** 2200-2228 in Mandarin. Good propagation. (Turnick-PA)
- 11690 **CLANDESTINE Radio Okapi** - Meyerton, 0410-0423 Mar 8, woman announcer with French language talk with several IDs followed by several jingle IDs. A man with news but language changed into African language around 0416. Good signal. (D'Angelo-PA)
- 11725 **NEW ZEALAND RNZ** 0600-0610, nx, wx, tk, good to fair signal 3/1/13 (FEINBERG-NY)
- 11740 **GUIANA FRENCH Radio** Japan via Montsinery, 0507 on 3/2. EE to NA with report on oil project in Iraq, then into program "Singing in Japanese". Good. (Johnson, NV)
- 11750 **PHILLIPINES VOA** 1234-1300 interview with author of book about the wearing of the Muslim headscarf, excellent to good signal with flutter1/12/13. Note that I received a QSL for this transmission but it did not state the specific date or transmitter site (FEINBERG-NY)
- 11750 **CHINA CNR2** 2340-2355 (Erbelis-NY)
- 11780 **BRAZIL Radio Nacional da Amazonia** 2315 in Portuguese two men speaking on presenter and one guest, also a female presenter with sound effects for bridges between speakers as well as jingles. Excellent signal. 2/28/13 (Handler-IL)
- 11790 **CHINA China Radio International** - Xian, 0024-0059\*, Feb 26. English service with woman announcer hosting a program of news features with brief musical segments. Poor and almost gone by closedown. (D'Angelo-PA)
- 11820 **SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia**, 2231-2300\* Feb 23, Holy Quran program with recitations and Arabic talk. Off at 2300 after last recitation. Good signal. (D'Angelo-PA)
- 11855 **BRAZIL Radio Aparecida**, 0047-0118 Feb 25, man with Portuguese talk. Woman announcer at 0058 with ID and several announcements and promos. Time pips at 0100, ID by a man announcer followed by more talk. Poor to fair with a slight hum from presumed Radio Veritas Asia until the left frequency and became muddy by tune out. (D'Angelo-PA)
- 11890 **SINGAPORE BBS** WS 1300-1336 news, current events stories including about Putin's ban of public smoking in Russia. Fair-Good signal. 2-25-13 (Handler-IL)
- 11890 **EGYPT Radio Cairo** heard at 2128, 2/26/13. songs to ID in Arabic at 2130. The modulation was really bad, making the sound quality "muddy." (Brossell, WI).
- 11890 **SINGAPORE BBC** WS, 1300-1336. news, current events stories including about Putin's ban of public smoking in Russia. Fair-Good signal. 2-25-13 (Handler-IL)
- 11925 **BRAZIL** Feb 26 at 0651, good modulation in Brazilian Portuguese discussion, i.e. R. Bandeirantes. No het tho we know it's off-frequency, until 0659 when there's now a LAH which would be from Turkey just signed on, after a one-hour break following BBC Seychelles until 0600. By 0727, much weaker like 11765. [\*] (Hauser, OK)
- 11945 **OPPOSITION Radio Free Asia** via Tajikistan heard at 2132, 2/26/13. talks in listed Mandarin. Poor signal quality. (Brossell, WI).
- 11980 **CHINA CRI** via Kunming 1312 English with program about China real estate investment. Fair-good signal. 3-4-13. (Handler-IL)
- 11995 **OPPOSITION Radio Free Asia** via Northern Marianas heard at 2135, 2/26/13. talks in listed Korean. (Brossell, WI).

- 12000 **VIETNAM** *Voice of Vietnam* 1312-female presenter joined at 1313 by a male presenter in Mandarin. Fair-good signal with low pitched whine. 3-4-13 (Handler-IL)
- 12015 **SOUTH AFRICA** *BBC* - Meyerton, 0434-0459\* Feb 23, "In the Balance" program hosted by a male announcer with English talk features with a panel discussing income tax policy and then delving into taxes to improve human behavior. Fair to good signal. (D'Angelo-PA)
- 12025 **INDIA (GOA)** *All India Radio*, Panaji, heard at 1812, 2/28/13. talks in listed Malayalam. Fair to poor signal strength. (Brossell, WI).
- 12045 **ENGLAND** *IBRA RADIO* Radio Ibrahim 1750-1758\* song followed by male and female announcers in Arabic. ID. Fair signal-Good. 2-16-13 (Handler-IL)
- 12060 **CUBA** Feb 26 at 0654, DCJC pulse jamming fading in and out, i.e. 2 x 6030 against Marti (Hauser, OK)
- 12070 **RWANDA** *Deutsche Welle* relay heard at 1815, 2/28/13. talks in listed Hausa. Due to noise on the frequency, this was best listened to by off-tuning to 12,072 kHz. (Brossell, WI).
- 12095 **PHILIPPINES** *FEBC* Radio International, \*2259-2330\* Feb 24, IS with man announcer in English with ID ("FEBC Radio broadcasting from Manila, Philippines") prior to music fanfare at 2300 and opening of listed Hmong program. Poor to fair. (D'Angelo-PA)
- 12095 **SEYCHELLES** *BBC* 1730-1800 Sports Review, including discussion of NFLPlayoff and upcoming NBA game in London, fair to good signal 1/12/13(FEINBERG-NY)
- 13745 **THAILAND** *R.Thailand* News 0005-0015 nx, greatly increased QRN at 0015, fair signal 03/01/13 (FEINBERG-NY)
- 13745 **THAILAND** *RT* News 0010-0032 nx, commls, carrier dropped 0030, back0031, fair to good signal 1/11/13 (FEINBERG-NY)
- 15190 **EQ GUINEA** *R AFRICA* 2035-2045 rel tk by 'Frank and Ernest', ID gave PO Box in Accra Ghana, carrier dropped mid-sentence during next sermon 1/25/13 (FEINBERG-NY)
- 15190 **FR** *GUIANA R Japan* 1240-1250, consisted of interval signal music with repeated station IDs as 'NHK World, Radio Japan, Tokyo', off 1250, good signal 3/5/13 (FEINBERG-NY)
- 15215 **GERMANY** *Radio Oomrang* Oomrang via Wertachtal 1600-1630 with English/Frisian broadcast. ID and interview by male presenter of gentleman that financed the broadcast. Excellent signal. 2/21/13 (Handler-IL)
- 15235 **SOUTH AFRICA** *Channel Africa* 1700-1800, Africa Digest, transmission ended with Bob Marley song, good signal 1/30/13 (FEINBERG-NY)
- 15285 **SRI LANKA** *Athmeeya Yatra Radio* (GFA)) via Trincomalee 1429 with female presenter in listed Banjara changing language at 1430 to male presenter in listed Haryanvi. Fair signal w/fading. 3/2/13 (Handler-IL)
- 15340 **CUBA** *Radio Havana* 1945 in FF. (McGuire-MD)
- 15400 **UK** *EE* 2000 01 15 ID, report on Syria. Fair. (McGuire, MD)
- 15505 **BANGLADESH** *BETAR* 1415-1429" in listed Urdu with several songs, fmale presenter and full ID and contact details at sign off. Good signal with Audio hum present during broadcast. Good signal. 3/9/13 (Handler-IL)
- 15512 **OPPOSITION** *Voice of Tibet* via Dushanbe, Takikistan targeting Tibet/China. Head at 1300 as soon as Firedrake signed off. Weak signal. Frequency measured as 15512. 3/9/13. (Handler-IL)
- 15518 **OPPOSITION** *Voice of Tibet* via Dushanbe targeting Tibet/China 1323-1325 in Tibetan with music in progress. (Measured frequency as 15518 kHz). Poor signal and NO Firedrake or other jamming. 3-5-13 (Handler-IL)
- 15535 **OPPOSITION** *Radio Tamazuj* via SMG Vatican targeting the Sudan region 1459 sign on until 1528 sign off in Arabic with male and female presenters and many ids. Excellent signal. 2/21/13 (Handler-IL)
- 15540 **KUWAIT** *Radio Kuwait* 1930-2002 English broadcast of the Good signal. 2-25-13 (Handler-IL)
- 15570 **VATICAN STATE** 1/14 1800 is, id, African service, PP service, good(McGuire, MD)
- 15580 **USA** 1/14 1900 is, id, African Service, Report on Mali, EE service, good (McGuire, MD)
- 15755 **UZBEKISTAN** *TWR-India* 1359-1430 listed Hindi with music, female speaker, male presenter in English translated into Hindi, music, female speaker with ID, music and sign off. Fair increasing to good signal. 2/16/13. (Handler-IL)
- 15880 **EURO PIRATE** *Radio Space Shuttle* 1103-1147 special broadcast. (Turnick-PA)
- 15880 **EURO PIRATE** *Radio Rainbow* 1309-1337 with Pirate for Peace program. (Turnick-PA)
- 17625 **SAUDI ABABIA** *BSKSA* Holy Qur'an Program 1349 with male chanting in Arabic. Fair signal. 2/25/13 (Handler-IL)
- 17680 **BOTSWANA** *VOA* 1512 in Hausa (Parker-PA)
- 17705 **SAUDI ARABIA** *BSKSA* 1350 with Arabic with man talking and then clip of man chanting then back to man talking,. Fair signal. // 21505 on 2/25/13 (Handler-IL)
- 21540 **KUWAIT** *Radio Kuwait* 1345 Arabic with two males speaking, one may have been by telephone. Fair signal. 2/25/13. (Handler-IL)

# On the Shortwaves

www.ontheshortwaves.com • Devoted to the history of shortwave broadcasting and the shortwave broadcast DXing hobby

---

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com) > Update, March 24, 2013 -- Under "DX History/Stations," we have posted a promotional brochure from the late Crosley-owned American shortwave station WLWO. WLWO started out as 8XAL, Harrison, Ohio, in 1924, simulcasting WLW. Originally 100 watts, it soon increased power to 250 watts, and it moved to Mason, Ohio in 1929 (having become W8XAL in 1928). It increased power to 10 kw. in 1932, to 50 kw. in 1940 (by which time it had become WLWO), and soon thereafter to 75 kw. Like all the privately owned American shortwave broadcasters of the time, it had its own Latin American service, which expanded greatly when the station went into U.S. government service in March 1942, well before the government took over all U.S. shortwave broadcasting in November of that year. This brochure appears to date from around mid-1940. -- And we have posted another "Wavescan" entry under "Specialized Resources": "Catalina Radio-2: The World's First Wireless Newspaper" (March 24, 2013).

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com) > Update, March 31, 2013 -- Shortwave station lists, together with loggings and feature articles in club bulletins and radio magazines, have long been prime sources of DX information. Some of these lists were commercial, while others were produced by clubs. Posted under "DX History/Lists, Logs, Guides & Columns" is one of the most comprehensive lists, one prepared by the Universal Radio DX Club in 1946, the year before the *World Radio Handbook* started publication. Those bands looked mighty busy.

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com) > Update, April 7, 2013 -- Following up on the 1946 Universal Radio DX Club shortwave station list that we posted last time, we have posted another URDXC list, this one from 1953. It is under "DX History/Lists, Logs, Guides & Columns." -- And under "Specialized Resources," "Wavescan," another entry from Dr. Adrian M. Peterson: "BBC East Mediterranean Relay Station Cyprus, Pt. 2" (March 31, 2013).

< [www.ontheshortwaves.com](http://www.ontheshortwaves.com) > Update, August 14, 2013 -- It has been a long time since United Nations Radio has had a regular presence on shortwave. However, it still produces programs, which it posts on line and which are rebroadcast by various stations around the world. On World Radio Day, February 13, 2013, the U.N. issued a series of six postage stamps commemorating U.N. Radio, and under "DX History/Philately" we have posted a file showing the first day covers, together with information about the stamps from the U.N. philatelic bulletin. U.N. stamps denominated in U.S., Swiss and Euro funds are valid postage for mailings from the U.N. facilities in New York, Geneva and Vienna respectively. -- And we have posted another "Wavescan" episode under "Specialized Resources," "Wavescan": "Elephant Radio in India: 75th Anniversary of Radio in Lucknow" (April 7, 2013).

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



The Journal of the  
North American Shortwave Association

ISSN 0160-1989

**Executive Director:** Richard D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610.  
**Publisher/Business Manager:** Bill Oliver, 45 Wildflower Rd., Levittown, PA 19057.  
**Executive Council:** Jerry Berg, Ralph Brandl, Dr. Harold Cones, Richard Cuff, Rich D'Angelo, Bill Oliver, John Figliozzi.

**EDITORIAL STAFF:**

**Managing Editor:** Dr. Harold Cones, 2 White Court, Newport News, VA 23606.  
**Desktop Publishing/Graphic:** Ralph Brandl, 128 Greenoak Blvd, Middletown, NJ 07248.  
**Easy Listening:** Richard Cuff, 42 North 3 1/2" St., Allentown, PA 18104.  
**Shortwave Center:** John Figliozzi, 45 Algonquin Rd., Clifton Park, NY 12063.  
**Adrian Peterson's Diary:** Adrian Peterson, Box 29235, Indianapolis, IN 46229.  
**NASWA Awards:** Gary Neal, PO Box 1, Cockeysville, MD 21030.  
**Listeners Notebook:** Rich D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610.  
**Pirate Radio Report:** Mike Ronde, 2615 Willow Glen Rd., Hilliard, OH 43026.  
**QSL Report:** Sam Barto, 78 Blakeman Rd., Thomaston, CT 06787.

**Scoreboard:** Gary Neal, PO Box 1, Cockeysville, MD 21030.  
**Kim's Column:** Dr. Kim Elliott, 5901 North 23 1/2 St., Arlington, VA 22207.  
**Tropical Band Loggings:** Scott Barbour, Jr, PO Box 893, Intersale, NH 03845.  
**International Band Loggings:** Steven Handler, PO Box 11, Uncasville, CT 06069-0011.  
**Company Store:** Jim Strader, 74 Miller St., Middleborough, MA 02346.  
**Distributing Editor:** Hubs Montgomery, 86 Purdom Hill Rd, Levittown, PA 19056.

**MEMBERSHIP FEES:**

United States (First Class Mail) ..... \$37.00  
Canada (U.S. Air Mail) ..... \$50.00  
Overseas (U.S. Air Mail) ..... \$50.00

Please add \$1.00 for PayPal payments.  
All remittances must be in U.S. dollars and mailed to

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

**FIRST CLASS MAIL**

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

