

The **NASA** Journal

VOLUME XLXII NUMBER 5

MAY 2012

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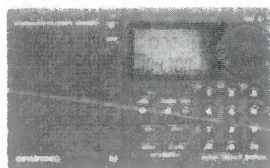
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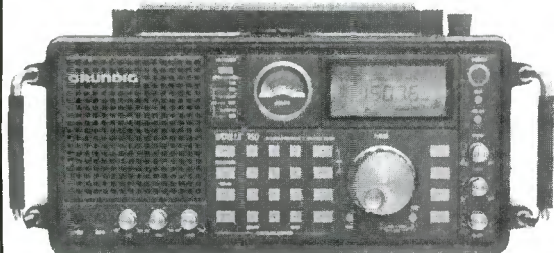
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Order #0750 \$299.99

TECSUN

PL-360



The Tecsun PL-360 has to be one of the coolest looking shortwave portables ever. Yes, it looks like a TV remote control, but it is a very decent receiver. 1 covers medium wave 520-1710kHz shortwave 2300-21950 kHz and the FM band. Longwave coverage may also be activated. It has a very unique Easy Tuning Mode (ETM). ETM does more than the usual ATS. It scans all frequencies without taking up the memory spaces. So you get quick access to all local stations. Great for the traveller. There are also 450 regular memories available for tuning into your favorite stations. Another unique feature of the PL-360 is its removable high sensitivity external AM ferrite antenna. This directional antenna clearly enhances AM band reception. The PL-360 even employs DSP (Digital Sound Processing) technology, improving clarity and tone quality. The PL-360 can be powered by three AA batteries (not included). It also has 5V mini-USB DC input jack. When using the USB jack, the radio can be used to charge the batteries (rechargeable AA batteries only). The PL-360 comes includes: MW bar antenna, stereo ear buds, wire antenna and manual. 2.1 x 6.3 x 1.1"

PL360 Order #3681 \$59.95



WORLD RADIO TV HANDBOOK 2012

This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, radio club info., plus receiver reviews. WRTV Pub. 2012 66th Edition. List price \$34.95

Order #0136 \$29.95



WORLDWIDE LISTENING GUIDE

By J. Figliozzi. Modeled on the author's popular Worldwide Shortwave Listening Guide, this new book covers all of today's formats: live on-demand, podcast, satellite, Internet, digital, analog, AM, FM, shortwave and wi-fi. A comprehensive guide to what can be heard how, where and when! Spiral bound. 112 p. ©2011.

Order #0341 \$24.95

TECSUN

PL-606



The Tecsun PL-606 is a compact portable radio covering AM, long wave, shortwave (2.3-23

MHz) and FM bands. This feature packed radio has FM stereo to the earphone jack, scanning, backlit LCD, selectivity control, clock timer with alarm and snooze, 9/10 kHz MW step, battery icon and a USB charging jack. It even uses DSP technology for improved sensitivity and selectivity. You also get a total of 550 memories: 250 for shortwave, 100 for FM, 100 for long wave and 100 for medium wave. This radio may be tuned manually, via auto tune or memories. This radio operates from two AA cells (not included). Comes with carry pouch, antenna extender, stereo ear buds, wire antenna and manual. 4.9 x 3.3 x 0.9"

PL606 Order #5814 \$59.95



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Except Alaska, Hawaii and Puerto Rico.

Dale Park in Hawaii informs us that the National Radio Club will be holding its annual gathering with the WTFDA in Bridgeport, WV on August 3, 4 and 5 at the Days Inn and Suites located at 112 Tolley Drive in Bridgeport. The registration fee will be \$45.00 and \$25.00 for spouses or significant others. This includes the Saturday evening banquet, snacks and drinks in the hospitality room. Tours are planned with a local festival that weekend and nearby shopping. Reservations for hotel rooms (\$79.94 including tax for 1-4 adults in a room) at 304-842-7371 before July 20, 2012 mentioning the National Radio Club. Mail registrations to Bill Swiger (1 Casey Lane, Bridgeport, WV 26330-9454). Questions to ridgeradio@cebridge.net.

Harry Scott at Radio Free Asia (RFA) announced a new series of QSL cards recognizing the International Broadcasting Bureau (IBB) relay sites used for RFA programming. RFA currently uses, and confirms broadcasts from the following IBB sites: Biblis, Iranawilla, Kuwait, Lampertheim, Saipan and Tinian. The first card of this series is from IBB's Tinian relay site. The picture on the card is facing north from Tinian's Tower 16, part of antenna 305L, overlooking the antenna fields. The transmitter building is at the upper right side of the picture and above it is the Island of Saipan to the north of Tinian. It will be used to confirm all valid RFA reception reports for April-July 2012. Reception reports are accepted by email at qsl@rfa.org, and for anyone without Internet access, reception reports can be mailed to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036.

The 14th edition of *Domestic Broadcasting Survey* (DBS-14) was published by the Danish Shortwave Clubs International (DSWCI) in April. Edited by Anker Petersen, the DBS-14 is the premier DXers guide to tropical band and domestic shortwave listening. The

survey is divided into three parts. The first consists of all active broadcasting stations on 2300 - 5700 kHz, including clandestines. The second is domestic stations on the international shortwave bands above 5700 kHz broadcasting to a domestic audience. The final section is deleted frequencies between 2 and 30 MHz which have not been reported heard during the past five years, but may reappear. This new Survey is based upon many official sources and DX-bulletins. A12 schedules are included when available. All buyers of DBS-14 will get a username and password to the monthly updates on the tropical bands published as "Tropical Bands Monitor" on the DSWCI website. The similar data from 2005, 2006, 2007, 2008, 2009, 2010 and 2011 are available at www.dswci.org/tbm to anybody. The 23 pages A-4 size DBS-14 is available by e-mail as pdf-format (about 505 kB). A limited number is also available printed on paper. It has 20 pages without Part 3. 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 4,00 or SEK 45,00 or IRC 3. Printed edition: DKK 70,00 or USD 13.00 or EUR 10,00 or GBP 8,00 or SEK 90,00 or IRC 5. If you have EURO as national currency, you are advised to pay to the DSWCI 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, before you send your payment. Payment via PayPal only in US\$ currency and only for persons, living outside the European Union.

Our own **Steve Handler** recently announced the release of his new book, "Just The Fax! A Shortwave Radio Listener's Guide to Weather Facsimile Reception". Called by many names including radio facsimile, WEFAX, and radio fax they are used by weather forecasting agencies around the world to broadcast their weather maps, weather charts, satellite photos and forecasts to many users around

the globe simultaneously. With a shortwave radio communications receiver, and a computer using the proper software you can receive these entertaining broadcasts. This book provides a step by step description of Steve's experiences receiving these broadcasts. Beside the technical discussion and the examples of maps, charts and satellite photos, there are two sections filled with extensive data. The first section lists stations by frequency and the second section lists them in time order. This 39-page book is available for \$14.95 plus shipping. Shipping First Class Mail to the USA & Canada \$1.90. Shipping to Europe, Asia and other locations outside the USA and Canada is \$3.86. The book is available from the author at shortwavereport@yahoo.com with payment by PayPal. It may also be ordered though the mail by sending payment to:

Steven Handler, PO Box 11, Lincolnshire, IL 60069-0011 USA. Additional information or questions may be directed to Steve Handler at shortwavereport@yahoo.com.

Please remember to direct all communications about subscriptions, bulletin delivery issues, Mother's Day gift suggestions, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's Levittown address or to his new electronic address, billoliver@verizon.net. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquires sent to Wyomissing only slow down the process. Thanks!

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

Please e-mail musings to jerrylineback@comcast.net. Next deadline is May 26. Please keep your musing as short as possible due to page limitations. Thanks to contributors.

Richard A, D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610, rdangelo3@aol.com. Walter Brodowsky, TDF Group Short-Wave Project Leader, seems to be verifying listener reception reports once again. He seemed to be out of that task for a while with others, presumably reporting to him, taking on that assignment. However, he seems to be the one handling replies at the moment. It is good that Media Broadcast's continue to offer this service with replies sometimes difficult through our own Voice of America. The reply consistency from VOA leaves something to be desired.

Radio Dardasha 7, which is a Bible Voice operation, verified an electronic report through Media Broadcast with partial data e-mail from Walter Brodowsky, TDF Group Short-Wave Project Leader. Walter noted that the transmission I heard used a 125 kW transmitter at MB SW Radio Station Wertachtal in combination with a HR 4/1/0.5 antenna on 120 degrees antenna azimuth. The original target area was the Middle East. The Voice of Mongolia verified an electronic report with an electronic reply from Enkhmaa Zorigt, Mail Editor at Voice of Mongolia. The old e-address of densmaa9@yahoo.com seems to have been replaced by vom_en@yahoo.com. Former Mail Editor Bolorchimeg Enkhbaatar seems to be no longer in this position.

FEBC International via Bocaue verified an electronic report with an electronic reply from Owen who recently inherited the QSL response task for the station: "I use to be the antenna rigger on our FEBC short wave station KFBS on the island of Saipan, Northern Mariana Islands. We had 4 Continental 418D 100KW transmitters that we modified to Solid State modulators a few years ago. One of them was also modified to conduct DRM tests on. I


was involved in that experimentation, as well as the modulator upgrade. We had 3 high gain TCI curtain antennas. One for Indonesian/Vietnamese, one for Mandarin, and one for our Russian service. Sadly, a little over a year ago, the station was dismantled, due to a number of reasons. The transmitters will eventually be installed in Bocaue and Iba, Philippines at our two SW facilities there. I am now a consultant within FEBC and travel to a number of our stations as the need arises. As a matter of interest, the transmitter in Bocaue are very similar models to the ones on Saipan, and the antennae are a slightly newer model 611TCI antenna than our Saipan ones."

Now for some pirate station verification. Radio Mushroom verified an electronic report with a full data jpeg attachment with the following note: "Sorry for creating such a mess again, but whenever we power our transmitter with pure nuclear energy we always seem to create a mushroom cloud. As far as actually seeing the mushroom cloud at night, well I leave that to your own imagination. We were directly tapped into the core of a nuclear reactor last night which powered the broadcast you heard last night. Thank you for listening and letting us know Radio Mushroom was heard. Our signal propagated well last night with reports & posts from all over the east coast and into the mid-west. A couple of days ago I tuned again into KOA which was booming in and WBAP 25.910 FM which was also very strong. Attached is our newest QSL confirmation card. Handle it with care as it is probably a bit radioactive." Radio Vixen International verified an electronic report with a full data electronic "card" attachment of a Female Fox (Vixen) noting that they are "strictly e-QSLs for now". Finally, Red Mercury Laboratories verified an electronic report with an electronic space ship attachment from Spike.

Brian Limbach, Pittsburgh, PA, brian.limbach@comcast.net

A previous year's issue of The Journal included, in the Musings section, an entry from Mark Coady asking for readers to talk about how they approached setting up antennas in restricted space applications. I live on the top floor of a nine-story apartment building in a community just outside of Pittsburgh, PA. I have good line-of-sight views of the surrounding area. My equipment consists of a Kenwood R-5000 receiver and a Realistic PRO-2005 scanner. The Kenwood has two antenna inputs (one coaxial, one wire terminals) that can be selected by pressing either the ANT1 or ANT2 buttons on the front panel. To one I installed a window frame wire antenna. It is an inverted "L" that is strung through mounted eyelets from the lower left, to the upper left and across to the upper right corner of the window opening. The lead-in runs across the bottom along the windowsill and connected to the "wire" terminals on the back. The dimensions of the antenna are 48" x 72" or 120" total. I used Radio Shack brand coated twin lead wire #278-1301 for this project. It works well. To the other input, I connected an Sony AN-1 active antenna. Comparing the performance of the two, I have found that sometimes the long wire outperforms the active antenna on certain signals and frequencies, while, at other times, the opposite is true. A few times their performance is the same. I have also used an antenna made up of two cardboard tubes; one with wire coiled around it that fits into a slightly larger tube. The lead-in comes out through a hole at the bottom of the larger tube. This larger tube can be placed upright on a desk next to the radio. For the scanner, I use a Radio Shack magnet mount mobile antenna placed on the windowsill. I hope these ideas are helpful.

Jerry Lineback, P. O. Box 1220, Grantham, NH 03753, jerrylineback@comcast.net.

I have read a number of postings around the shortwave community recently regarding the continuing demise of favorite shortwave broadcasting entities, cutbacks at others, and the feeling that things are just not as interesting as they once were. On the other hand, religious broadcasters seem to be doing well and it is easier to hear AIR stations on the higher bands at least. The Cold War was more interesting, but we can do without that. In any case, please share your thoughts with all by contributing to "Musings". 

Publication Review

Domestic Broadcasting Survey
14th Edition, April 2012
Edited by Anker Petersen
ISSN 1399-8218

Reviewed by Richard A. D'Angelo

With the proliferation of the Internet, there are numerous providers of free radio broadcasting information in the marketplace today. Although the "free" price is reasonable, these publications tend to be lacking in terms of the quality of information. The latest Domestic Broadcasting Survey, 14th Edition (DBS or DBS-14), which was once again edited by Denmark's world-renowned DXer Anker Petersen, is one resource that provides an accurate DX reference for the shortwave enthusiast each year. Published in April by the Danish Shortwave Club International (DSWCI), the DBS continues to be the top annual publication devoted to tropical and domestic band shortwave broadcasting stations. Along with its monthly updated graphical companion, the Tropical Band Monitor (TBM), the combination of these two DX references continues to be unbeatable in quality and value to the serious shortwave listener. The DSWCI offers the DBS in electronic form (PDF format), which provides for a substantial reduction in price over the paper version thereby increasing its value and speed of delivery. For traditionalists, the paper version of the DBS is available. Either way you will be receiving and using an important DX resource produced by an international array of top notch DXers that will prove its worth to you time after time. The DBS and TBM references are usually the first items I pack on each of the French Creek DXpeditions.

As in past years, a copy of the Press Release can be found on the DSWCI website at www.dswci.org. By clicking on the Domestic Band Survey, you will see the color front page of a Mayan family playing marimba and

percussion, including turtlesHELLS, on the street in Antigua, Guatemala. The photo, which was taken by Editor Petersen during his world travels, and a sample listings from this year's DBS along with reviews from last year's edition all can be found at that location. Anker's annual cover photo for the DBS continues to provide the local flavor associated with a domestic shortwave listening market.

The DSWCI is now fifty-five years old. It has a worldwide membership of experienced shortwave listeners scattered in 33 different countries all over the globe. Anker draws upon the knowledge and skills of the DSWCI's international array of top-flight DXers to produce this unique and extremely valuable hobby resource. In order to make the DBS reliable, the club's own monitors around the world checked the 690 station shortwave frequencies—down from 775 stations the previous year±on the air throughout the period April 2011 – March 2012. In addition to the club's extensive monitoring activity, the new survey is also based upon many official sources and DX bulletins with A12 schedules included when available. Over the years, the DSWCI has published some of the best non-commercial hobby references available to the shortwave listener. The electronic and print editions of DBS-14 continue in this grand tradition. It is an essential reference for serious shortwave listeners and DXers.

This is the fourteenth year that the DSWCI has incorporated its invaluable tropical band survey into a broader national survey that includes all domestic shortwave broadcasting. The old Tropical Band Survey (TBS) portion of this publication, which has been tops in the field of shortwave broadcast lists for many years, is in its 40th year. Because most of the club's members devote the majority of their DXing time to domestic broadcasting stations on the tropical and international shortwave bands, many years ago the DSWCI

decided to expand the traditional tropical band survey to include stations broadcasting to a domestic audience on the international shortwave bands. Consequently, the DSWCI now publishes a superb, comprehensive reference of domestic shortwave broadcasting throughout the shortwave spectrum. The DBS-14 covers all active stations broadcasting to a domestic audience between the frequencies of 2,300 kHz to 30,000 kHz, including clandestine stations. Part 1 is the 40th edition of Tropical Band Survey covering all active broadcasting stations in the 2,300 to 5,700 kHz range. Part 2 covers the domestic stations on the international bands above 5,700 kHz broadcasting to a domestic radio audience. Part 3 contains deleted frequencies between 2 and 30 MHz, which have not been reported heard during the last five years, but may reappear at some future point in time. This latter section is only published in the e-mail/PDF version, but buyers of the printed version can get a copy direct from the Editor upon request.

As in past years, a valuable, unique feature of the DBS-14 is the right hand column called Last Log. This column features the last month, and year prior to the March 31, 2012 deadline, when a particular station was reported by a DXer somewhere in the world. This gives the listener a reasonable indication of the audibility of the shortwave broadcasting station. As part of the updating process, most frequencies that have not been heard in the last year have been deleted from the list and moved to a section at the end of the survey, Part 3 as discussed above. This updating procedure keeps the DBS current and very user friendly. My own personal monitoring and checking over a four week period confirms that the 2012 edition of the Domestic Broadcasting Survey continues the tradition of providing very accurate and extremely useful information for the serious shortwave DXer. Consequently, the DBS is an extremely valuable addition to any shortwave listener's DX shack where published radio resources are necessary in pursuit of elusive DX station catches. My copy of the Domestic Band Survey sits on my desk in the shack along with its companion, the Tropical Band Monitor, next to my communications receivers at all times.

To assure reliability, each of the 690 station frequencies has been checked by the club's extensive collection of worldwide shortwave monitoring experts since the last publication through the April closing date. Stations confirmed as being active is marked with an "A" (regular), or "B" (irregular), or "C" (sporadic) in the list. A "D" means the stations is likely inactive. This simple coding system provides valuable information when tuning the bands while trying to get a handle on rare, exotic shortwave DX catches. As a result of extensive monitoring, most of the frequencies already have been confirmed as being active in 2012.

The previously mentioned Tropical Bands Monitor feature was added in 2005 as a monthly updater to the DBS. Its introduction provided a readily available electronic update of broadcasting stations below 5,700 kHz using a color-coded graphical presentation format. It has been a big success making the DBS/TBM combination an extremely valuable tool for shortwave monitoring activity. This website based feature, which is updated each month, will help to keep the DBS-14 current. All buyers of DBS-14 get a username and password to the monthly updates on the tropical bands published as "Tropical Bands Monitor" on the club's website. At www.dswci.org/tbm you can follow the activity of each station during 2005, 2006, 2007, 2008, 2009, 2010 and 2011 with their collection of annual Tropical Band Monitors. I download the latest version each month, it is usually available 3 or 4 days after the close of the previous month, and use it as a ready guide to what is being heard around the world on the domestic shortwave frequencies. This service alone is worth more than the price of the DBS itself. I can't over emphasize the value the TBM adds to the DBS. Together they form an indispensable package of DX reference sources. DSWCI members also receive periodic updates issued in the Shortwave News bulletin published by the club and through its electronic DX Window bi-weekly newsletter. These extra services keep the domestic band survey accurate, up-to-date and essential tools in chasing elusive shortwave DX catches. Details about becoming a DSWCI member are available

at the club website. The electronic, PDF format, club membership option substantially reduces the cost of being a member by reducing the printing and postage costs. Because of the club's strong DX culture and its array of international DXers, membership in the DSWCI is well worth the annual dues.

The Domestic Broadcasting Survey and Tropical Band Monitor are high quality shortwave broadcast DX resources made available at a very reasonable price. The combination of high quality and low price make the DBS and TBM unbeatable in today's global resource reference marketplace. If you listen to domestic broadcasters, the DBS-14, along with the monthly updates through the TBM, is a "must have" addition to the radio shack's hobby literature resource heap needed while tuning the shortwave bands. As I mentioned before, these are the first resources I pack when attending French Creek DXpeditions. I can't imagine DXing the shortwave bands without a copy of the Domestic Band Survey and the latest graphical update of the Tropical Band Monitor at my side.

How easy is the Domestic Broadcasting Survey to use? Simple, the DBS-14 is very straightforward and easy to use. The first column provides the reception code, A, B, or C as previously described. The second column lists the frequency. The third column provides the station transmitter output. The fourth column designates the broadcasting country utilizing the International Telecommunications Union (ITU) country code abbreviations. For those not familiar with these abbreviations, a complete list of ITU country codes is given on page 3 of the DBS. The fifth column provides the station name and/or call letters and location. The next column provides transmission times and other useful information about the station such as operating schedules during Ramadan for Middle East and Indonesian stations. Other useful features for easy station identification are the parallel frequencies and station ID information. The final column is the Last Log feature previously described. Also, the survey includes a listing of Indonesian provinces and special districts, which is extremely useful for DXers

with an interest in that part of shortwave broadcasting world.

The 23-page A-4 size Domestic Broadcasting Survey is available in electronic form in PDF format of about 505 kB. The electronic DBS-14 is available via e-mail for just US\$7.00, EUR 5, or 3 International Reply Coupons (IRCs). The print edition is available for only US\$13.00, EUR 10, or 5 IRCS. The DBS-14 can be ordered direct from the club treasurer at the following address:

DSWCI
c/o Bent Nielsen
Egekrogen 14
DK-3500 Værloese
Denmark

If you have any questions, Bent Nielsen can also be reached by e-mail at bent.elin@webnetmail.dk. If you have the EURO as national currency, you are advised to pay the club's representative in Germany, Andreas Schmid, Lerchenweg 4, D-97717 Euerdorf, Germany. Also, the club offers an option to pay for the Domestic Band Survey through PayPal. If you want to pay via PayPal, you can contact Andreas Schmid at schmidandy@aol.com for complete ordering information. However, payment via PayPal is only for transactions in US currency and only for persons living outside the European Union.

The 2012 edition of the Domestic Broadcasting Survey continues the long-standing, excellent tradition of being a very useful and reliable DXing resource that should be in the radio shack of every serious shortwave radio monitor. I use the DBS on a regular basis while tuning the shortwave bands from home. I can't imagine DXpeditioning at French Creek State Park without the DBS at my side. Though some enjoy operating a computer while tuning the bands, I print out a hardcopy to use thereby eliminating an electronic device from the radio shack while listening. During French Creek DXpeditions, my copy of the domestic Broadcasting Survey is in constant use! The pdf-format DBS is incredibly inexpensive, extremely useful and an indispensable DX reference tool. The monthly update to the Tropical Band Monitor keeps the informa-

tion current. At only US\$7.00, the electronic Domestic Broadcasting Survey continues to be the "best buy" of any hobby resource on the market today. Add the Tropical Band Monitor as a bonus and you have the deluxe package of shortwave DX resource tools. You

must have the new DBS, which is an outstanding piece of DX hobby research. This is a "must have" for every DX radio shack and I can highly recommend its purchase so order a copy to enhance your shortwave DXing listening sessions.

The 100th Anniversary of the Sinking of the Titanic: The Wireless Story

Adrian Peterson's Diary

It was exactly 100 years ago April 14, that the passenger liner "Titanic" struck an iceberg in the north Atlantic, and less than three hours later she sank to her doom in the deep ocean waters. This tragic event is listed in the annals of history as the worst single loss of life in any civilian maritime disaster, with more than 1500 people perishing on this catastrophic occasion.

The "Titanic" was laid down on March 31, 1909 at the shipyards of Harland & Wolff in Belfast, Ireland, as the world's largest passenger ship. She was 882-1/2 feet long, just a few inches longer than her sister ship, the "Britannic", and she was 92-1/2 feet wide, with a displacement weight of more than 46,000 tons. This mighty ship was launched without the traditional christening ceremony two years later, on May 11, 1911.

A little less than another year later, the brand new, shiny bright "Titanic" was ready to make her maiden voyage across the Atlantic, from England to the United States. Labeled as absolutely unsinkable, the "Titanic" sailed triumphantly out of the major British port of Southampton on the first stage of her initial journey, with stops at Cherbourg in France 90 minutes later, and Queenstown in Ireland the next day.

You know the story; you have heard it before. Three days later, the mighty "Titanic" hit a super large iceberg; that was at 11:40 pm, and 2-3/4 hours later, she was at the bottom of the Atlantic, broken into two separate pieces at a depth of more than two miles down.

Just before her original shakedown cruise, the "Titanic" was loaded with a complete set of the latest versions of wireless and

radio equipment. There were two spark wireless communication transmitters and two receivers.

The main transmitter was rated at 5 kW output into a 4 wire T type center fed antenna that was suspended between two masts at a level of 250 feet above the sea. The natural resonant wavelength of the antenna was 162.5 metres or 325 metres, though the tuning circuits gave a radiant frequency of 300 kHz or 500 kHz, in what we would call today the standard longwave band. Electrical power for this main transmitter was taken from the ship's electrical circuits.

The signal from the main transmitter was guaranteed for 250 miles, though during the shakedown cruise, it was discovered that the signal could be heard at 400 miles during the day, and 2,000 miles at night.

There was also an emergency transmitter with power taken from a set of batteries. There was one regular detector crystal wireless receiver, and also one of the very latest valve/tube type radio receivers.

Due to the booming noisy signal from a hefty spark transmitter, this equipment was installed into a heavily padded room next to the operating room. This transmitter room was named, rather appropriately in the understated terminology of the era, as the "Silent Room".

The original callsign allocated to the "Titanic" in January 1912, was MUC, though shortly afterwards, this was changed to the now more familiar MGY. In those days, the initial letter M identified the ship's wireless operators as representing the Marconi

company in England, though these days the letter M identifies a radio station belonging to Great Britain.

During the initial leg of the voyage across the Atlantic, the two wireless operators, John Phillips and Harold Bride, worked consistently to process incoming and outgoing signals in the Continental version of Morse Code. This wireless traffic was made up of normal routine messages for the navigation of the world's proudest passenger liner across a wide oceanic expanse, as well as expensive though generally unnecessary messages from wealthy passengers to relatives, friends and business associates. Among the incoming messages were at least a couple from other ships warning of icebergs in the main shipping lanes.

At 11:40 pm local time on Sunday April 14, 1912, the "Titanic" hit the supersized, irregularly shaped iceberg that rendered her doom. Some passengers described the sound as like the continuous tearing of a sheet of calico, though the entire impact caused no more than a slight shudder as the vessel reacted to the collision.

However, the damage to the underwater section of the hull was so great that tons of water instantaneously surged into the stricken vessel. An immediate inspection of the damage in the lower decks revealed very quickly that the unsinkable "Titanic" was indeed sinking.

The elderly and highly experienced Captain Edward J. Smith gave orders to the two wireless operators to send out a distress signal indicating that the ship was doomed. At 12:15 am on Monday morning, Phillips tapped out the message, "CQD de MGY" six times, giving also the geographic coordinates for the "Titanic" at the time. He continued with the additional information that the "Titanic" was indeed sinking, and he asked for the assistance of any ships that were nearby.

Spark Gap Morse Code

Meanwhile Bride manned the receiver and he heard the first response from the

first ship that replied, the German vessel "Frankfurt" with the callsign DFT; and quite quickly, many other ships also responded. However, the nearest was the "Carpathia" MPA, 58 miles away, and it would take some four hours to arrive at the scene, a duration that would be too late to save a large number of the passengers and crew from the "Titanic".

The two wireless operators continued at their task of alerting Atlantic shipping and also the shore stations in Newfoundland (Cape Race MCE) and the United States (Cape Cod MCC) of the progressively disastrous fate of the "Titanic". They also updated the exact geographic location of the ailing "Titanic".

At this stage, Bride made the suggestion to Phillips that he should also send the new distress signal, SOS, in addition to the Marconi distress signal, CQD. It might be his only opportunity to send SOS, he stated, somewhat humorously. Bride was correct with his statement; Phillips died in the frigid Atlantic waters along with so many others, an hour or two later.

The SOS call from the "Titanic" was one of the very earliest usages of this distress signal, but not the first. It is known that the "Slavonia" issued an SOS distress call three years earlier, on June 10, 1909.

As we know today, the only ship to arrive in time to pick up living survivors was the "Carpathia" which arrived nearly two hours after the "Titanic" was gone. The "Carpathia" rescued the shivering occupants from 20 life boats, more than 700 people, and then the heavily laden ship turned around and went back to New York with its living cargo, far in excess of its planned passenger load.

Several other ships also combed the disaster zone, including the "Californian", which turned around and returned to the area; the cable ship "MacKay-Bennett" from Canada; and two American navy vessels sent out by President Taft, the "Salem" and the "Chester".

Over in England at the time of the original distress signals from the "Titanic", amateur wireless operator Arthur Moore in Gelligroes

Mill heard the "CQD de MGY" and subsequent messages. He reported the sinking of the "Titanic" to the local police, but they scoffed at his information.

The Flow of Wireless Communication from the Other Ships

According to the historians, a total of 28 ships made some form of communication with the "Titanic" during the two hour period in which the tragedy played out. All the ships were in the mid-Atlantic, and traveling either west or east, but generally south of the "Titanic" iceberg zone.

The German cargo vessel "Frankfurt" DFT was the first ship to respond to the CQD distress call from the "Titanic" but it was too far away and thus unable to render service. The closest ship, it is thought, was the "Californian" MWL, which had stopped over night in the ice floe in order to avoid a disastrous impact.

However, the Marconi operator at the wireless equipment MWL was not on duty at the time of the distress call from the "Titanic", and his ship was unaware of the tragic event happening so near to them, until daylight next morning. To their credit, it is stated that they returned to the disaster zone, but it was too late to be of any real value.

Other ships that responded quite quickly were the Russian cargo steamer, "Birma" with callsign SBA; the Canadian Pacific cargo vessel "Mount Temple" MLQ; the White Star line sister ship "Olympic" MKC; and another White Star line vessel, the "Baltic" MBC.

Titanic: To the Sea

Much of the Morse Code traffic buzzing across the Atlantic at this stage focused upon the events associated with the "Titanic". The first distress signal from the "Titanic", "CQD de MGY", went out at 0015 hours local time. This signal drew attention to the disastrous "Titanic" situation, and many other ships responded with offers of assistance and with enquiries as to what was happening.

It should be remembered that all ships at the time were communicating in Morse Code, most in the newer Continental version, though there were still some using the original Morse-Vail version. In addition, the coverage area of the ship longwave transmitters was not always that great, and it was the custom for one shipboard wireless operator to relay messages on behalf of other ships as needed, and sometimes on behalf of shore based stations.

Spark Gap Morse Code

However, it was the "Carpathia" with callsign MPA that played the heroic role of rescuer in the "Titanic" tragedy. At the time of the original CQD distress signal from the "Titanic", the Cunard liner "Carpathia" was the closest ship, some 60 miles distant from the scene of the tragedy. Under quick orders from Captain Arthur Rostron, she made rapid headway to the "Titanic", arriving a while before daylight, some two hours after the "Titanic" had slipped into the murky depths of the freezingly cold Atlantic.

The "Carpathia" reported by Morse Code that she had picked up 20 boatloads of survivors, including some who were still in the water. It was just 8 hours from the 1st CQD from the "Titanic" until the last survivor was picked up out of the water. These rescued crewmen and passengers were given every available amenity on the rescue ship, including food and drink, clothing, and somewhere to sleep, though few empty cabins were available.

Among the rescued personnel from the "Titanic" was wireless operator Harold Bride, and though suffering from water exposure and injury, he assisted the regular wireless operator aboard the "Carpathia", Harold Cottam, with the transmission and reception of multitudinous wireless messages, communicating with other ships, and with the shore stations in North America. Much of the traffic in Morse Code at this stage was the listing of survivors from the "Titanic" for the benefit of family and relatives, though the major newspapers were pressing for details of the tragic events.

The Troubled Triad: Titan, Titanic & Titanian

Adrian Peterson's Diary

Next Wednesday, April 14, will be the 100th anniversary of one of the world's most spectacular and heart-wrenching tragedies; 100 years to the very day, since the great passenger ship, the Titanic, struck an iceberg, and sank in the Atlantic Ocean south of the island of Newfoundland, with a massive loss of human life. This week here in Wavescan, and next week also, we memorialize this tragic event, particularly from a radio, or wireless point of view.

Let me read to you these several items of interest taken from an early publication, and we suggest that you listen carefully before you make a judgment:

She was the largest craft afloat and the greatest of the works of men. In her construction and maintenance were involved every science, profession and trade known to civilization.

Two brass bands, two orchestras, and a theatrical company entertained the passengers during waking hours; a corps of physicians attended to the temporal, and a corps of chaplains to the spiritual welfare of all on board.

From the bridge, engine-room, and a dozen places on her deck the ninety-two doors of nineteen water-tight compartments could be closed in half a minute by turning a lever. These doors would also close automatically in the presence of water. With nine compartments flooded the ship would still float, and so no known accident of the sea could possibly fill this many, (and thus) the great steamship was considered practically unsinkable.

Built of steel throughout, she was eight hundred feet long, of seventy thousand tons displacement, seventy-five thousand horse-power, and on her trial trip had steamed at a rate of twenty-five knots an hour.

Unsinkable - indestructible, she carried as few life boats as would satisfy the laws.

"Ice," yelled the lookout; "ice ahead. Iceberg."

Seventy-five thousand tons - dead-weight - rushing through the fog at the rate of fifty feet a second, had hurled itself at an iceberg.

And so the story continues, with a huge loss of life during that notable April evening, with the ship sinking quite quickly around midnight in the cold waters of the North Atlantic. It was her first, her maiden voyage, across that vast ocean separating Europe from North America. It sounds like the sinking of the Titanic, doesn't it?

But no, that is not the case. The readings we just presented to you were taken from a novel, written by the American author, Morgan Robertson, in the year 1898, 14 years before the sinking of the Titanic in 1912. The name of the ship in Robertson's novel, believe it or not, was "Titan", almost the same name as the "Titanic" 14 years later. Robertson's novel was named "The Wreck of the Titan".

There is a strange coincidence linking the names of three different ships, each crossing the Atlantic, and each running into trouble in a massive field of icebergs in the North Atlantic during the month of April. You have just heard the story of the first ship, the fictitious "Titan" in the year 1898, at the time when the young Marconi was just developing his experimental wireless equipment

The second ship in this triad of troubled ships with a similar name is the "Titanic" which ran into the field of icebergs just before midnight exactly one hundred years ago, on Sunday April 14, and sank shortly after midnight, in the early hours of Monday April 15. This ship, the "Titanic", was carrying wireless equipment which was pressed into service in calling other ships to the

rescue. We will present the details of that story here in Wavescan next week.

The third ship in this triad of troubled ships with a similar name was the "Titanian", a cargo vessel traveling across the North Atlantic 23 years later, in April 1935. She was carrying coal from Newcastle in England for delivery in Canada.

The story about this ship, the "Titanian" has been embellished a little over the years, but the fact is that she was caught in the iceberg field and stalled, some distance out from Newfoundland. With the steering gear damaged, she radioed ahead for assistance, and the tug boat "Imogene" was sent to the rescue.

All three ships had a similar name, "Titan", "Titanic" and "Titanian"; and all three were damaged in collisions with icebergs in the North Atlantic; and all three during the month of April. The fictitious story of the "Titan" was during the era when wireless was under experimental development; the "Titanic" carried wireless equipment that was pressed into usage for the occasion; the "Titanian" used its radio equipment in calling for a tug to render assistance.

Quite remarkable. And like we said earlier, the story of the "Titanic" itself will be featured here in Wavescan next week.

Speech

Opening Remarks from HFCC A12 Conference by HFCC Chairman Oldrich Cip

Kuala Lumpur, January 9, 2012

Let me thank first of all the management of the Asia-Pacific Union for inviting the global coordination conference to Kuala Lumpur again. I would like to thank in particular Mr Sharad Sadhu, Director of Technology who has been so closely involved in the inception of international shortwave co-ordination and to Mr Ahmed Nadeem, Head of Studio Technology. They have been both very much engaged in conference preparations. The current adjustments to our activities are associated with the reduction of shortwave transmissions in many countries. But sometimes I am more worried over the future of international broadcasting as a whole. Some colleagues believe that the present content is not attractive or interesting enough. Maybe this is true but at the same time the mandate of international broadcasting has not been redefined after the epoch of strong ideological competition during the decades of the twentieth century. There is a lot of debate in Europe for example about the pan-European and global dialog between cultures and nations but the potential of international radio to exchange and distribute rich media content across the frontiers for the purposes of this dialogue is almost completely ignored.

We have decided to promote a balanced system of content delivery that would prevent a hasty and sometimes irreversible demise of traditional sound radio broadcasting from terrestrial shortwave transmitters. We should repeat over and over again that the emergence of a new media technology has never replaced an old one, and that all technologies are capable of existing side by side. The prediction that the Internet would replace television for example is not happening. Audience research indicates that the TV use is actually growing—partly because of additional and background information that is being spread on the Internet—including social media. Similarly, the detailed information we are capable of providing on the Internet about shortwave schedules and listening should strengthen the public awareness of shortwave radio and of its specific properties.

I met an IT specialist of a company in Dubai on our flight to KL. He told me that because of the problem with Internet speed his employers have instructed him to eradicate listening to radio on the company intranet. The delivery of media content through the Internet is indeed vulnerable and can be regulated and censored.

Shortwave frequency management and coordination remains our core activity and it is supported by the International Telecommunication Union. I am glad to report that Mr Hai Pham, Head of the Broadcasting Services Division is coming to our KL conference.

Consultation between the ITU and the so called regional groups HFCC, ASBU and ABU-HFC will be on the program of the conference on Wednesday. It is worth noting too that the ITU will be able to provide support of the projected extension of our activities. The meeting of the SG 6 (that is broadcasting service) of the ITU late last year decided that a series of questions should be studied about broadcasting of multimedia and data applications. A completely new study has been opened on "Worldwide broadcasting roaming". This is especially significant since it should facilitate international harmonization of broadcasting and of receivers.

During a survey conducted by the European

Broadcasting Union on "digital receiver profiles" we failed with a suggestion only a couple of years ago that future radio receivers should be capable of all available digital technologies including DRM. This idea seems to be generally accepted now and we believe that the migration to the future multi-format receivers might positively influence the acceptance of DRM technology.

We approached the management of the Engineering Department of the European Broadcasting Union recently informing them about the changes in the remit of the HFCC.

We pointed out that in the present rush to cut the budgets managements have been moving funding from international radio more aggressively than from domestic broadcasters and therefore that the impact of the changes on the distribution of international broadcasting should be given priority.

[From the NASB Newsletter]

A Remembrance

Renowned shortwave engineer and frequency planner Stanley Leinwoll, age 85, passed away on 21 February, 2012.

Stanley Leinwoll was born in the Bronx, New York on November 30, 1926, to Polish Jewish immigrants Sara and Leon Leinwoll. Mr. Leinwoll attended City College of New York. There, he earned a degree in physics as the first in his family to earn a college degree. He continued with his graduate work in mathematics and physics at the Polytechnic Institute of Brooklyn.

After World War II, Mr. Leinwoll believed that there was a strong need for shortwave radio broadcasts, as shortwave signals are capable of reaching any location on the earth. He began his career with RCA Communications, Inc. as an office boy, where he met his mentor, John Nelson, who was experimenting with positions of the planets and their relation to broadcasting conditions. Mr. Leinwoll became fascinated with developing new methods of predicting ionospheric storms.

His 59 years in shortwave broadcasting include a six year tour, 1951-1957, as a propagation engineer with The Voice of America. In 1957, he moved to Radio Free Europe, where he was Radio Frequency and Propagation Manager. He served as U.S. Director of Engineering for Radio Free Europe/Radio Liberty from 1975-1993. During this period Mr. Leinwoll was responsible for scheduling, managing, and coordinating the frequencies for 53 shortwave broadcasting transmitters operating from five different transmitter sites in Europe.

The goal was to make sure broadcasts got through to millions in Poland, Hungary, Czechoslovakia, Romania and Bulgaria during the Cold War. Because both Radio Free Europe and Radio Liberty were heavily interfered with by more than 2000 jamming transmitters, it was necessary to develop anti-jamming techniques, which included saturation programming above the MUF (Maximum Usable Frequency), the highest frequency for which an ionospheric communications path is predicted on 50% of the days

of the month. Another anti-jamming technique was twilight immunity – broadcasting to the target area on certain frequencies on which the skywave jammer cannot be effective for a given area because of its lower maximum usable frequency at that time.

In 1994, Stanley Leinwoll received the following letter from former President Bill Clinton: "Dear Stanley: On behalf of a grateful nation, I want to thank you for your service as an employee of Radio Free Europe/Radio Liberty. RFE/RL played a crucial role in the development of democratic forces in Eastern Europe and the former Soviet Union, and you contributed to its mission in many valuable ways. The world will feel the impact of your loyal service and your dedication to the cause of freedom for years to come. Thank you for your outstanding efforts."

Stanley Leinwoll served on five United States delegations to major World Administrative Radio Conferences (WARCs) convened by the International Telecommunication Union, and was the author of 10 books, including

"From Spark to Satellite," a history of wireless communication published by Charles Scribner's Sons; "Space Communications;" "Shortwave Propagation;" and "Understanding Lasers and Masers," which was published in several translations.

For 38 years he served as technical consultant to a private sector U.S. shortwave religious broadcaster and NASB member, WYFR, whom he represented at High Frequency Coordination Conferences. In this capacity he was responsible for preparing the shortwave broadcasting schedules for 14 transmitters. The preparation of schedules entails the analysis and use of shortwave propagation predictions, choosing the best available frequencies from numerous data bases, and coordinating these frequencies with other shortwave broadcasters. Mr. Leinwoll also acted as technical consultant to another NASB member station, WEWN, for 10 years from 1997 to 2007.

[From the NASB Newsletter.]

Radio Panorama 15: Early Cable Radio

Adrian Peterson's Diary

The very earliest attempt at the transmission of concert music took place in the United States in the year 1876. At the time, occasional music programming was sent along commercial telegraph lines already in use in the eastern states. These music transmissions at this stage were purely experimental and they were intended solely for the wonder and the enjoyment of telegraph staff at various locations. As mentioned previously here in Wavescan, a short series of these music concerts was heard by a few members of the public who happened to be using the telephone lines at the right time.

Eight years later, Edward Bellamy included an item in a novel he wrote about the possibility of broadcasting music to subscribers in the comfort of their homes. The novel was entitled "Looking Backwards" and his forecast predicted that telephone music would one day be heard in every home on a 24 hour basis; cable radio, if you please.

The first commercial endeavor in this direction was launched by AT&T on September 20, 1890 in the eastern States. This new music venture was provided as a lunch time service, but it was plagued by technical problems and it was therefore not a success.

Still in the United States, the Televent Company in Detroit launched an experimental telephone music service in 1906 from the University of Michigan in Ann Arbor. The project never went much further than a few test transmissions over the already available telephone network. The Televent Company was dissolved three years later.

Another endeavor at telephone music in the United States was the Telephone Herald Service in Newark, New Jersey, which was inaugurated just a little more than a hundred years ago, on October 24, 1911. This project proved to be very popular, but it was not a financial success, and it was deleted soon after it began.

Over in Europe, the first experiment in providing music over the telephone lines took place in Paris in the year 1881. During the International Electrical Exhibition, music was piped in from local theaters as a public demonstration. Interestingly, two telephone lines were in use for the transmission of the music programming on each occasion, the earliest form of stereo music. Nine years later, the Theatrophone Company was organized in Paris, but this service did not last very long, either.

A very successful form of music by telephone was launched in Budapest, Hungary on February 15, 1893. It was Tivadar Puskas, with his Telefon Hirmondo Company, who inaugurated this service, providing news and entertainment. In 1925, he installed a radio broadcasting station to carry the same programming, which we would suggest was station MTI in Budapest, with 300 watts on 950 metres longwave, 315 kHz. The telephone music service was available in Hungary for a little over half a century, though it was finally discontinued during the year 1944.

Over in England, a similar service was instituted just two years after the successful inauguration of Telefon Hirmonodo in Hungary. The English Electrophone Company was launched in London in 1895, based

upon the Theatrophone system in Paris. In fact, there were many occasions when the two systems interchanged their music programming.

The system in London grew over the years until it became available right throughout Great Britain. Interestingly, Queen Victoria was one of the appreciative patrons who was receiving the music programming over the telephone lines.

Soon after radio broadcasting began, and when radio stations were established throughout Great Britain, the music service from the Electrophone Company was discontinued. However, as an interesting aftermath, another form of program distribution via the telephone lines was introduced.

In the early days of radio broadcasting, many people in England found that the cost of buying a radio receiver was just too much. So a new system of program distribution was introduced. The local telephone office installed a radio receiver at the exchange, and then fed the programming into the telephone system. For a small fee, much less than the cost of buying a radio receiver, the people could listen to the radio programming in their homes, via the telephone line.



Radios For Sale

Longtime NASWA member Lewis Coulborn passed away late last year and had to leave behind—due to baggage restrictions imposed—radios and receivers for which his sister would like to find a new, loving home. Here is the list with requested price. All will be sold at that price or best offer. All sold as is. No returns accepted. Shipping will be through UPS and are included in the quoted price if shipped to the lower 48.

- ¶ Alinco DX-R8T - \$450 (like new)
- ¶ Barlow Wadley XCR-30 Mark II - \$250 (intact, some wear)
- ¶ Drake R8A - \$550 (like new)
- ¶ Drake SW8 - \$475
- ¶ Sangean ATS-818cs - \$65
- ¶ Squire Sanders SS-IBS Communications Receiver (very rare) - \$1100.

If interested, contact John Figliozzi at jfiglio1@nycap.rr.com

International Broadcasting

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

Canadian Sunset

Kim's comments in italics.

Radio Canada International slated to leave shortwave. Montreal Mirror, 19 Apr 2012: "With the federal Conservatives hacking away at everything in sight, Radio Canada International, the CBC's international service, will lose 80 per cent of its \$12.3-million budget, effectively killing it as a shortwave and satellite radio broadcaster. It will keep some sort of web presence, though it's still unclear what it will look like. RCI was never nearly as big as some other international broadcasters, but it did have a solid reputation, and put Canada's best face forward."

During the past few years, I have searched daily for news about international broadcasting for my website www.kimandrewelliott.com. The search terms include the obvious: "voice of america," "bbc world," "aljazeera english," etc. And "radio canada international." Except almost never have I encountered any news about Radio Canada International. RCI lately has not been a happening international radio station. It seems to have been living on borrowed time.

RCI's Sackville shortwave transmitting station has been a beacon for us shortwave listeners in the United States. Its location could, however, be problematic. Auroral disturbances would occasionally disturb our reception down here. And I imagine the northerly azimuth from Sackville to Europe was often a difficult circuit. During its heyday in the 1970s, RCI might have considered a relay in the Caribbean, or even Florida.

Even when shortwave was dominant, many of us in the United States preferred the CBC domestic programs to RCI's pre-masticated English fare. Ian McFarland's SWL Digest and the mailbag programs excepted, of course. Internet audio allowed greater access to those CBC domestic programs. The mother CBC, however, will also be taking a large budget cut,

no doubt affecting CBC radio. The news from Canada is bad from every possible angle.

Meanwhile, while RCI faces an 80% budget cut, another Western middleweight international broadcaster, Radio Netherlands, is about to take a 70% cut...

Million euro handshake for RNW DG? Radio Netherlands Worldwide, 20 Apr 2012: "Dutch daily NRC Handelsblad reports that Radio Netherlands Worldwide General Director Jan Hoek could receive a golden handshake worth over one million euros when he leaves the international public broadcaster. The cabinet has cut the RNW budget from 46 million euros to just 14 million as part of a raft of austerity measures. The unions have agreed a redundancy package for the 270 employees — out of a total of 350 — who will be dismissed. A new slimmed-down RNW is due to begin operating in January 2013. Jan Hoek has indicated that he does not intend to stay on in the new organisation. Under the terms of the general redundancy agreement, he would be entitled to a lump sum of about 450,000 euros. That amount could rise considerably, however, because of an arrangement he made with the board of commissioners when he was appointed director general. ... Jan Hoek has neither confirmed nor denied the size of the amount. He told NRC that 'if agreements were concluded in the past which could lead to entitlements in the future, then whether or not these entitlements are claimed also lies in the future.' ... The new, slimmed-down, Radio Netherlands will be under the foreign ministry as of next year and will focus exclusively on providing impartial information to countries without a free press."

Radio Netherlands Worldwide, 20 Apr 2012: "Radio Netherlands Worldwide's Editor-in-Chief Rik Rensen and his deputy, Ardi Bouwers, are to leave the organisation. They say they will not serve as part of the new slimmed-down RNW which is to become operational from 1 January 2013. ... Earlier

this week, Rensen and Bouwers wrote to RNW's board of commissioners, saying they had 'serious worries about the lack of vision and urgency' in turning RNW into a more flexible and market-orientated company. The board failed to answer the letter and this has led to Rensen and Bouwers' decision to leave RNW. ... They are most worried about the lack of explicit guarantees of journalistic independence, the tempo of building up the new organisation, and its eventual make-up. They also believe that issues including the development of new programme formats, the search for additional funds — besides government subsidies — and clinching contracts with media partners should now be addressed with urgency."

Although Andy Sennitt was, in any case, thinking about retiring, the financial straits of RNW hastened that retirement, at the end of April, and closed his Radio Netherlands Media Network weblog.

Andy Sennitt was editor of the World Radio TV Handbook during the peak years of international and domestic radio. What a monumental task that must have been! On most days, and usually more than once a day, I had to reach for my WRTH to help me with my work as an audience research analyst, and later presenter of Communications World, and later audience research analyst again, at the Voice of America. I always had another copy of the WRTH at home, to help me with my shortwave listening and various other projects.

I — like many of you reading this column — was a regular listener to Andy's news reports on Media Network, Jonathan Marks's weekly radio program on Radio Netherlands, and later a regular reader of his excellent Media Network weblog. Andy has a keen sense of the media developments that would interest both enthusiasts and professional — and those who happen to be both. His weblog is already greatly missed.

Andy allowed me, when I requested, to be a guest contributor to his weekly commentary section. This side of the Atlantic, I would soon receive reaction to those editorials, even from members of the Broadcasting Board of Governors, the top bosses of US international broadcasting. This is evidence of the following

and impact of the Radio Netherlands Media Network brand.

Russia will drop DRM digital radio. Izvestia, 17 Apr 2012, as Google-translated from Russian: "Ministry of Communications has prepared a new amendment to the Federal Program 'Development of Broadcasting in the Russian Federation in 2009-2015'. All advertised events this year to implement broadcasting in DRM standard will soon be lifted. As explained in the department, a program developed in 2008, did not fully take into account the latest technological advances. Over the past few years, the use of DRM in the world has significantly decreased, while broadcasters are still satisfied with the work in the VHF range and wait for the emergence of new hybrid technologies. At the event 'radio broadcast of the program' in the budget was included 3.9 billion rubles, which was planned to learn in four years. Now all the money will be spent on the development of television." *This appears to pertain to domestic medium wave in Russia. Does it also mean that Voice of Russia will discontinue its DRM shortwave transmissions for international audiences? In any case, the DRM consortium appears to have lost an important member.*

International TV channels to the USA via set-top box. GlobeCast press release, 17 Apr 2012: "GlobeCast today announced the launch of MyGlobeTV — a new over-the-top (OTT) platform for international broadcasters in the Americas. MyGlobeTV is a B-2-C [business-to-consumer] television bouquet that brings international and genre-based audiovisual content directly to subscribers. ... The initial commercial launch of the MyGlobeTV service in the United States is scheduled for July 1. After the U.S. rollout, plans are in place to expand the service to the rest of the Americas. Rather than delivering content on the open Internet, MyGlobeTV is an OTT offering that utilizes closed-network, encrypted Internet Protocol (IP) delivery of television and radio content directly to the subscriber's home. In contrast to WorldTV, GlobeCast's Direct-to-Home (DTH) satellite offering, all MyGlobeTV subscribers need is a broadband Internet connection and an easy plug and play MyGlobeTV set-top box; no satellite dish is required."

Listener's Notebook

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

Times are UTC and frequencies in kHz.

AFGHANISTAN Already almost two weeks or more
NRA is not on the air 1515-1632 on 7200. (Rumen
Pankov-BUL, wwdxc BC-DX TopNews)

ALBANIA Summer A-12 English schedule of **Radio
Tirana**:

0130-0200 7425 Tue-Sun
2000-2030 7465 Mon-Sat
(Ivo Ivanov-BUL, via wwdxc BC-DX TopNews)

ARMENIA WYFR Family Radio via Gavar:

1400-1500 7529.3v in Punjabi
1500-1600 11504.3v in Punjabi
1600-1700 11504.3v in Urdu
(DX Mix News, Ivo Ivanov-BUL, via wwdxc BC-DX
TopNews)

New schedule of **Brother Stair TOM** via Yerevan:

0702-1002 15750 Sat from April 7, confirmed
1602-1702 15425 NF, ex1202-1402 on 15650
1802-2202 9400 NF, ex1902-2102 on 9465
All frequencies are not registered in HFCC database.
(DX Mix News, Ivo Ivanov-BUL, via wwdxc BC-DX
TopNews)

AZERBAIJAN Voice of Justice on Azeri language
heard yesterday, Tuesday (Apr 10) from 1400 to
1426, and today is Wednesday (Apr 11) from 0600
to 0626 all on a floating frequency 9677.4, and still
transmit the same hours on Fridays and Saturdays.
Apparently in Baku local time left as winter,
otherwise in 2010 they in the summer passed in 13
and in 5 hours UTC, i.e., have done so as to Russia
and Belarus. (Rumen Pankov-Bulgaria/RUS-DX)

BANGLADESH 4750, two stations hit each other
at 1415 Apr 10. Chinese **CNR1 Hailar** eastern China
on even frequency. Little stronger S=9+5dB heard
on SDR network at Nagoya-JPN. But underneath
Muslim like sung of **Radio Bangladesh Betar** from
Shavar, logged at 1420 Apr 10, in Bengali language
on ODD 4749.989, poor S=6 level. (wb, wwdxc BC-DX
TopNews)

BELARUS Radio Station Belarus in A-12 season
from Kolodishchi:

1100-2300 11730
1705-2300 7255

Domestic **Belarusian Radio**:

0400-0700 11930
1500-1700 7255
1500-2100 6080 (
Alexander Mazgou-BLR, RUSdx)

BHUTAN 6035.04, 14.4 1759 **Bhutan BBS**, Thimpu,
non-stop songs, back on air, had been missing
12 & 13.4, off freq as usual, clear (Martien Groot/
Shortwave Bulletin) At remote Perseus rx unit
network in Nagoya Japan I see a carrier on the
browser on 6035.039 next to PBS Yunnan in
Vietnamese on even 6035, at 1132/also 1405 April
10. At 2145 on 6035.040. Maybe Bhutan checks its
faulty tx now 24 hrs on air! (wb, wwdxc BC-DX
TopNews April 10) 6035.05, 2325-0010 fade out
BTN 17+18.04, BBS, Sangaygang, Thimphu testing
vernacular talk and songs without music, 0000 talk
(news ?) 0003 music and choir, quickly fading out
due to local sunrise. Carrier still heard at 0030, but
had disappeared at 0105; 34333 to 14221, splashes
from R Marti 6030. Also heard at 1615 and 1800-
1915, 18+19.04, mostly Asian songs and short ann.
25332. (Petersen-Denmark/PlayDX) 6035, BBS,
0544-0600, Apr 10. It's my pleasure to inform you
that BBS had been back on air for the first time
in many weeks on its usual SW frequency during
my air check. There were English songs with a
host introducing the songs etc., closing ann plus
music, then ann about a new language service
transmission beginning around 0600. The signal
strength was satisfactory and overall reception
was good. (Sharma/DX Window)

BOLIVIA 6154.92 10.4 2300 **R Fides**, La Paz,
carrier only, in the clear as soon as co/ch CNR-2
off. AN reported this on 6154.81 in previous SWB
but admits this was a typo. TN measured them on
6154.916, seems stable. (Martien Groot/SW Bulletin)

BRAZIL R. Caiari, Porto Velho is reported back on
4785. (WRTH Update)

R. Senado has stopped operation on 5990. (WRTH Update)

R. Nac. da Amazônia is heard now on both 6180 and 11780 approx. between 0700-0400, times variable. (WRTH Update)

R. Boa Vontade, Porto Alegre is active only on 9550, 6160 and 11895 are inactive. (WRTH Update)

9820, **Radio 9 de Julho**, Sao Paulo, 0525-0640, 14-04, religious songs, Portuguese, "O Santuario Nacional", male and female, comments, "Rede Aparecida de Evangelizacao, Com a Mae Aparecida, Santuario Nacional na sua radio", "Radio 9 de Julho, 1600 AM, Sao Paulo, Brasil". 34433. (Méndez/EDXP) 9820, Radio 9 de Julho. Reply with pers. letter in 44 days. Sent 1 IRC. Address: Rua Manoel de Arzao 85, Barrio Freguesia do O, CEP-02730-030 Sao Paulo, SP, Brasil, V/s Padre José Renato Ferreira (Diretor). (Roberto Pavanello-Italy/PlayDX)

CANADA The **RCI** announcement follows: "Spending cuts announced last week in Canada's latest federal budget have reached Radio Canada International. Speaking to employees at RCI's headquarters in Montreal on Wednesday, RCI director Helene Parent declared that two out of three RCI employees---about 40 people---will lose their jobs by the end of July. RCI's Russian and Portuguese sections will be closed along with the English and French-language newsrooms. All shortwave broadcasts will cease as well. RCI will continue to exist solely on the Internet in five languages---English, French, Arabic, Spanish and Mandarin." (Mark Coady-Canada/NASWA Yahoo Group) The imminent closure of the Sackville transmitting complex will mean the cessation of all leased relays from that site. They are: RCI, KBS, CBC, NHK, CRI, VOV, Vatican Radio, WRMI and IBB. It is not known whether any or all of these relays will be transferred by the originating broadcasters to other relays. (EDXP Magazine)

A-12 of **Radio Canada International** in English until June 26 when the station will cease transmissions of shortwave in the footsteps of Radio Bulgaria:

0000-0100 on 11700 KUN
1500-1600 on 11675 KUN
1500-1600 on 15125 URU
1500-1530 on 17815 SMG DRM mode
1800-1900 on 9530 SKN
1800-1900 on 11765 SKN
1800-1900 on 17810 SKN

2000-2100 on 15330 SAC
2000-2100 on 15235 SAC
2000-2100 on 17735 SAC
(Ivo Ivanov, Radio Bulgaria DX RE Mix News)

6030, Calgary---**CFVP** relaying CKMX (AM 1060), 0302, April 2. Cuban jamming on top of the Classic Country Theater; cowboy radio drama ("The Lone Ranger"); 0335 start of "Gunsmoke" (Ron Howard-CA/NASWA Yahoo Group)

CHAD 6164.97, **Rdif. Nationale Tchadienne**, N'Djaména, 1955-2230*, Apr 08 and 14, French and vernacular ann, light music, native African song, 22322, splashes from 6175. From 2230 only CNR-6 audible. (Petersen and Robic/DX Window)

CHINA 4850, Urumqi, Xinjiang at 1620-1800* on Apr 19 in Kazakh on a new frequency replacing the out-of-band 4330 which was silent. SINPO 35333 increasing to 45434. It was // to 6015 as usual which was heard with 35433. It is expected to change to the summer frequency 7340 within the next 2-3 weeks. Until then schedule is: 0000-0300 1156-1800. Urumqi was also heard in Uighur on 4980 and Mandarin on 5060 as usual. (Anker Petersen/DXplorer)

CLANDESTINE 3930v, **R Voice of Kurdistan**, Sulaimaniya, Iraq, *0140 (irr. *0157)-0355* or later, and *1357-1527*, monitored A 12 schedule on Mar 26, 28, 31, Apr 01 and 07, frequency varies very little: 3929-3931. The Kurdistan Anthem is played at 0200 and it is also used by the Voice of Iranian Kurdistan at 0230 on 3960v and 4870v. Years ago it was used by the social democratic party, but not from KOMALA. (Pankov/DX Window)

3960v, **Voice of Iranian Kurdistan**, Salah Al-Din, Iraq, *0225-0433* and *1225(presumed)-1427*, Mar 26, 28, 31, Apr 01 and 07, IS and Anthem 0230, frequency jumps 3959-3981 // 4870 (jumping 4864-4883). (Pankov/DX Window)

4874.67, **Voice of Iranian Kurdistan**, Salah Al-Din, Iraq, *0230, Apr 15, hymn, Holy Kuran, female talks and interview mentioning Kurdistan, CODAR QRM, fair, frequency drifting. (Bernardini/DX Window)

Summer A-12 of TDP stations:

Radio Miraya in English/Arabic:

0300-0600 11560 SMF

Denge Mezopotamya in Kurdish:

0300-1500 11530 SMF Daily

1500-1900 11530 SMF Daily

Khmer Post Radio in Khmer:

1200-1300 9960 HBN Wed/Thu/Fri

Khmer People Power Movement in Khmer:

1200-1300 9960 HBN Sat/Sun

Radio Xoriyo Ogadenia in Somali:

1600-1630 17870 KCH Mon/Fri

Voice of Asena in Tigrinya:

1700-1800 15245 SAM Mon/Fri

E-SAT Radio in Amharic

1700-1800 15370 KCH Daily

(Ivo Ivanov-BUL, via wwdxc BC-DX TopNews)

Radio Biafra London will resume broadcasts beginning this Saturday, 21st April, on 11870 according to their website <http://www.radiobiafralondon.com/>. Their website 'Mission Statement' says broadcasts will be "twice a week" "at 8pm". But a separate 'update' on the website contradicts this saying "daily on 11870MHz on 25 Metre Band Shortwave from 8PM to 9PM Biafra time" (so 1900-2000 - but cannot see any HFCC entry for this yet). "After two years of absence the legendary Radio Biafra London (RBL) is back on air and resumes on Saturday 21 April 2012 at 8pm broadcasting twice a week on 11870 frequency on the shortwave band from its London Studio to all African countries with concentrated footprint in Nigeria. RBL is a public service broadcaster and will serve as the eyes, ears and voice for millions of dispossessed, disenfranchised, abandoned and oppressed people of various ethnic nationalities in Nigeria." "The full version of the website will be available on Saturday the 21st of April to coincide with the first comeback broadcast. We would be broadcasting daily on 11870 on 25 Metre Band Shortwave from 8PM to 9PM Biafra time". The British DX Club's "Africa on Shortwave" has this entry for Radio Biafra (under Nigeria): Radio Biafra was established as an independent radio station broadcasting on shortwave in April

2009. The project was funded through donations from supportive private individuals in Biafra. It broadcast in Igbo and English via Skelton, UK. Broadcasts were discontinued prior to the B-09 season. (Alan Pennington, BDXC-UK YG via Jerry Berg/DXplorer) Noted *2000-2100* on Apr 21 with fair signal in Wyomissing. (RAD)

COSTA RICA 3350, *Radio Exterior de España*, Cariari, 0545-0600*, 14-04, male, Spanish, comments, identification: "Radio Nacional, Radio Exterior de España", "Radio Exterior de España, desde Madrid para todo el mundo". Time signals and close down at 0600. 25322. (Méndez/EDXP)

CROATIA Tentative summer A-12 schedule of *Croatian Radio HS-1*:

0459-1658 7410 DEA

1659-0458 3985 DEA

(Ivo Ivanov-BUL, via wwdxc BC-DX TopNews)

CYPRUS Some DXer sent this information: There have been some money problems here at station **CYBC** 1st program by the radio and TV workers. Sometimes in dispute for their money issues the TV news was purposely delayed by 10 minutes and mx was played. Now the wages have been promised, but no one knows for how long. Then last Wednesday {April 4th} we had no electricity for 6 hours. Please send them a letter with your questions. I haven't a answer from them for my request for more English in the CYBC service over the weekends. (wb, wwdxc BC-DX TopNews)

7220, *Cyprus Broadcasting Corp*, 2215-2245, still having transmitter problems. Transmitter on the air at 2215 and off at 2245. Strong carrier, but no programming. Just dead air. Same thing heard on // 9760. Not able to check // 6135 due to VOA in Chinese on this frequency. Fri, Sat, Sun only. March 30. (Alexander-PA/NASWA Yahoo Group) CBC-CYBC weekend shortwave transmission "Radiofoniko Idrima Kyprou" Fri/Sat/Sun only at 2210-2245 on 5925, 7220 and 9760 via Zyyi site missed again April 14. Nothing heard around 2225 to 2235 Apr 14, all three channels were EMPTY! (wb, wwdxc BC-DX TopNews April 14)

ECUADOR 4781.5 *Radio Oriental*, Napo 1102 sign on with Oriental ID by om on 9 Apr; 1101 on 6 Apr om with music, some modulation issues; fade out 1117. (Wilkner -XM-Cedar Key/NASWA Yahoo Group)

ENGLAND The HFCC lists only these transmissions remaining on shortwave during the A12 period from **Polish Radio**—all via Woofferton:

1300-1329 15480 Russian
1330-1459 15480 Polish
1530-1629 11640 Polish
1630-1729 11630 Belarusian
1730-1759 11960 Russian
(HFCC/DK via Worldwide DX Club)

EQUATORIAL GUINEA 5005, *R Dif. de Guinea Equatorial*, Bata, 1814-2001, Apr 01, 04 and 11, Afro songs and local music, ID, 32233. (BOC 27, Giroletti and Mille/DX Window)

FRANCE 7295 *RTV Algeria*. Probably via France (or new own tx?) again on SW after almost 3 months absent. Heard on 25/3 at 0400 with s/on in AA with Nat Anthem and ID "Huna Dzhezzair, Idaatu Korano Kerim" (here is Algeria, Radio Qoran Kerim). Also noted at 1800 on 11955 on 26/3. (Pankov/ARDXC) Aoki and HFCC still say France. (Seager/ARDXC)

DX-Antwerp (the only Belgian DX-club) celebrates its 30th anniversary on May 12th. We are airing, a short-wave broadcast as follows:

0430-0530 17880 Issoudun
0800-0900 9680 Issoudun
1200-1300 6015 Issoudun DRM
1400-1500 17880 Montsinery
1530-1630 15775 Issoudun DRM
1700-1800 21680 Montsinery
2000-2100 17755 Montsinery DRM

A special QSL card was designed for this occasion. Send a report by ordinary mail to DXA QSL c/o TDP Radio, P. O. Box 1, B-2310 Rijkevorsel or e-mail to dxaql@gmail.com. (Guido Schotmans-Belgium via Horacio A. Nigro-Uruguay/DXplorer)

FRENCH GUIANA Frequency change of TDP station *The Disco Palace* in DRM:

2000-2100 NF 17875, ex 17755 to avoid RHC 17750 (Ivo Ivanov, Radio Bulgaria DX RE Mix News)

GERMANY 3995, *R 700*, Kall-Krekel, 0315-0325, Apr 10, German songs - All Night Service! 45444. (Petersen/DX Window) 3995, *Nord AM*, Kall-Krekel, *2000-2058*, Apr 14, pop music, IDs, e-mail: nordam@shortwaveservice.com, 45444. (Robic/DX Window)

GREECE *The Voice of Greece* (ERA-5) (ERT-3) Tentative A-12 short-wave Transmission Schedule (Effective Mar 26 to Oct 29, 2012) Monitored by John Babbis, Wolfgang Bueschel, Glenn Hauser, and Mauno Ritola

0000-0100 15650 7475 9420
0100-0200 15650 7475 9420
0200-0300 15650 7475 9420
1400-1500 #9935 15650 9420
1500-1600 #9935 15650 9420
1600-1700 #9935 15650 9420
1700-1800 #7450 15650 9420
1800-1900 #7450 15630 9420
1900-2000 #7450 15630 9420
2000-2100 #7450 15630 9420
2100-2200 #7450 15630 9420
2200-2300 #7450 15630 9420
2300-2357 15650 15630 9420

#ERT-3 Radiophonikos Stathmos, Makedonias (Thessaloniki) (John Babbis-MD via wwdxc BC-DX TopNews)

GUAM Frequency change of *AWR KSDA* Agat in English to SoAs from April 8:

1600-1630 NF 11825, ex 11750 to avoid SLBC in Tagalog (Ivo Ivanov, Radio Bulgaria DX RE Mix News)

GUATEMALA 4055, *Radio Verdad*, Chiquimula, 0555-0609*, 01-04, male and female with identification in many languages, "Estación Educativa Radio Verdad, Chiquimula, Guatemala, Centro América", "Volveremos mañana a la misma hora". Anthem and close down. Best on LSB to avoid noise in this frequency. 25322. (Méndez/EDXP) Dr. Édgar Amílcar Madrid, Manager and Director, sent me after 12 months a big verification envelope containing e.g. a beautiful QSL-card on 4055, a beautiful pennant showing 4052.5, a nice sticker, a calendar, a personal letter and religious information. I saw their antennas at distance, when I passed Chiquimula a month ago! (Petersen/DX Window)

INDIA *All India Radio* in English A-12 Schedule:

1000-1100 13695 B, 15410 B, 15410 P
1745-1945 13695 B, 11935 MUM
2045-2230 11620 B
2245-0045 9705 P, 9950 Kh, 11670 B (7305)

Sites: A = Aligarh, B = Bengaluru, Kh = Khampur Delhi, Ki = Kingsway Delhi, P = Panaji (Jose

Jacob-IND VU2JOS, DX_india yg via wwdxc BC-DX TopNews)

QSL Card from **All India Radio**: The GOS of All India Radio, 7550 confirmed in 35 days with QSL card. Report sent via email to: gosesdair@yahoo.com. (Francesco-Italy/PlayDX)

INDONESIA RRI Palu is reported back on shortwave on variable 3960-3967. (WRTH Update)

ISRAEL 13850, *Kol Israel* in Persian language, 1400-1530. Transmitter: Yavne, 300 kW, 90 degr to Iran - 55555. 15760 - 55555. No Iranian jamming noted on the two frequencies. The transmissions on the frequency from the winter season, 9985 were always under heavy jamming. (Georgi Bancov-BUL, wwdxc BC-DX TopNews)

15785, bad clash of both *Galei Zahal* army radio station in USB mode, and *CRI Xian* in English to CeAS and North Eastern Europe at 0100-0700 noted today Mar 25 at 0345-0355, equal signal level of both S=8-9. (wb, wwdxc BC-DX TopNews) 15850.00, 1650-1715, ISR, 20.04, Galei Tzahal, Lod. Hebrew conversation, ann, English song: "I wait for you, Marlene", ann "Late Summary", 1700 news, back on old frequency, ex 15785 which was silent. 35343. (Petersen-Denmark/PlayDX)

JAPAN "Thank you for your email, and for listening to *NHK World Radio Japan* for all these years. Regarding your inquiry, please kindly be informed that NHK World Radio Japan is currently studying transmitting plans after the closing of relay transmitters in Canada and Bonaire Is. We welcome any comments, requests or suggestions you may have on this matter, please feel free to write to us. We look forward to hearing from you. Thank you again, and we hope you will continue to enjoy listening to Radio Japan. Regards, NHK World" (Bill Patalon III-MD)

LITHUANIA Select Summer A-12 Sitkunai Relays:

Radio Liberty

0300-0358 on 9635 Tatar
0500-0558 on 9635 Tatar

Radio Japan NHK World

0430-0458 on 6165 Russian

VOIRI/IRIB

1730-1828 on 5940 German
1830-1928 on 5940 French
1930-2028 on 5940 English
(Ivo Ivanov, Radio Bulgaria - DX Mix)

MADAGASCAR Frequency and transmitter site changes of *Zimbabwe Community Radio/Radio Dialogue* in English, Ndebele and Shona to Zimbabwe from April 1:

1600-1700 NF 12115, ex 5890 MEY
(Ivo Ivanov, Radio Bulgaria DX RE Mix News)

MOROCCO Frequency changes of *RTV Marocaine* in Arabic:

0900-1500 NF 15341.2v, ex 15349.2v
1500-2100 NF 15345.2v, ex 15349.2v
(Ivo Ivanov, Radio Bulgaria - DX Mix)

MYANMAR A new regional radio station, *Thazin Radio* has started operation in Pyin Oo Lwin, Mandalay acc. to the following schedule: 2330-0130 Burmese & 0130-0200 English on 639 & 6030, 0430-0630 English on 639 & 9460 and 1030-1430 Burmese & 1430-1500 English on 639 & 7110. Transmissions in other major ethnic languages: 2330-0130 on 7110, 0130-0330 on 9590, 0430-0830 on 9590 and 1030-1330 on 7345. (WRTH Update)

7110, *Thazin Radio* via Pyin U Lwin, 1430-1501*, April 11 (Wednesday). Theme music; in English; recorded intro; pop songs (Nazareth "Love Hurts", etc.); talk about Hkakabo Razi, a protected area of "1,476 square miles" and contains the highest peak in Myanmar at "5,880 meters"; mentioned "scientists from the Wildlife Conservation Society of New York" visited the area in 1997; more pop songs (Willie Nelson "You Were Always On My Mind", etc.); recorded sign off announcement. This is the same program heard last Wednesday (April 4) and today even played most of the same musical selections. *Thazin Radio* on 7110 was off the air on April 12. Entire staff out celebrating the Thingyan Festival, the Burmese New Year Water Festival? April 13 found *Thazin Radio* back again on 7110; English segment from 1430 to 1501*; usual intro plus a special: "I wish you a very happy Thingyan and a special Happy Myanmar New Year today and I hope you all excellent health, wealth and happiness." 1443-1447: Segment on the Five Precepts of Buddhism in Myanmar; saying the

precepts in vernacular and "Meaning ..." abstaining from taking a life, taking what is not given, sexual misconduct, telling a lie and intoxicants; back to music. (Ron Howard-CA/NASWA Yahoo Group)

7200.1, **Myanmar Radio**. As Robin Harwood (Tasmania) also observed, they reactivated this frequency for their April 1 evening broadcast, perhaps due to the national elections held today. From 1311 to 1324 in vernacular and playing music; probably off at 1330, as not on at 1341; poor with QRM from 7205 and hams. (Ron Howard-CA/NASWA Yahoo Group) 7200.1, Myanmar Radio. Yes, their sign off is 1330, as noted April 2. Perhaps they have started a new schedule here? (Ron Howard-CA/NASWA Yahoo Group)

NEPAL Kathmandu: Executive Director of **Radio Nepal**, Tapanath Shukla has resigned from his post on Tuesday (March 27). Mr. Shukla said he had to resign after failing to pay salary to the Radio Nepal employees for the past two months due to budget crunch. He had been serving as the Executive Director of Radio Nepal since the past two and half years. (The Himalayan Times)

NETHERLANDS Jan Hoek could receive a golden handshake worth over one million Euros when he leaves the international public broadcaster. The cabinet has cut the **RNW** budget from 46 million Euros to just 14 million as part of a raft of austerity measures. The unions have agreed a redundancy package for the 270 employees - out of a total of 350 - who will be dismissed. A new slimmed-down **RNW** is due to begin operating in January 2013. Jan Hoek has indicated that he does not intend to stay on in the new organisation. Under the terms of the general redundancy agreement, he would be entitled to a lump sum of about 450,000 Euros. That amount could rise considerably, however, because of an arrangement he made with the board of commissioners when he was appointed director general. The arrangement entitles him to a premium if he were forced to leave. In response to the NRC report, Fons van Westerloo, a member of **RNW's** board of commissioners, says the general director is prepared to accept smaller redundancy package - of between 450,000 and one million Euros. Mr. Van Westerloo says Mr. Hoek could, according to his contract, insist on being paid in excess of one million Euros. The new, slimmed-down, Radio Netherlands will come under the foreign ministry as of next year and will focus exclusively on providing impartial information to

countries without a free press. (Dutch daily **NRJ Handelsblad/RNW Website**)

RNW's Editor-in-Chief Rik Rensen and his deputy Ardi Bouwers, are to leave the organisation. They say they will not serve as part of the new slimmed-down **RNW**. Rensen and Bouwers wrote to **RNW's** board of commissioners, saying they had "serious worries about the lack of vision and urgency" in turning **RNW** into a more flexible and market-orientated company. The board failed to answer the letter and this has led to Rensen and Bouwers' decision to leave **RNW**. A statement to staff explains: "Rik Rensen and Ardi Bouwers have unfortunately decided not to put themselves forward for positions in the new **RNW** and also to resign from the steering group - which is overseeing the restructuring process. They will remain in their posts as editors-in-chief until replacements can be found." The statement says that Rensen and Bouwers have "insurmountable doubts" about how the preparations for the new company are going. They are most worried about the lack of explicit guarantees of journalistic independence, the tempo of building up the new organisation, and its eventual make-up. (**RNW Website**)

NEW ZEALAND A-12 schedule of **Radio New Zealand International**:

0459-0650 on 11725 AM All Pacific
0459-0650 on 11675 DRM All Pacific
0651-0758 on 11725 Tonga
0651-0758 on 11675 DRM Tonga
0759-1058 on 6170 AM All Pacific
0759-1058 on 7285 DRM All Pacific
1059-1259 on 9655 AM Timor, NW Pacific
1300-1550 on 6170 AM All Pacific
1551-1650 on 7285 AM Cook Islands, Samoa, Fiji
1551-1650 on 6170 DRM Cook Islands, Samoa, Fiji
1651-1836 on 9615 AM Cook Islands, Samoa, Fiji
1651-1836 on 9890 DRM Cook Islands, Samoa, Fiji
1837-1850 on 9615 AM Samoa
1837-1850 on 11675 DRM Samoa
1851-2150 on 11725 AM Niue, Fiji, Tonga, Samoa
1851-2150 on 15720 DRM Niue, Fiji, Tonga, Samoa
2151-0458 on 15720 AM All Pacific
2151-0458 on 17675 DRM All Pacific
(Ivo Ivanov, Radio Bulgaria - DX Mix News)

Radio New Zealand International advises on its website that from today, 4/14, its DRM narrowcasts at 0759-1158 and 1551-1650 are transmitted on 7440, ex 7285. (Dan Ferguson-SC/NASWA Yahoo Group)

PAKISTAN Radio Pakistan A-12 summer schedule
(25 March to 28 Oct 2012):

| | | | |
|----------|-----------|-------|------------|
| Balti | 0445-0530 | 7440 | 7265 |
| Bangla | 0900-1000 | 11870 | 15620 |
| Chinese | 1200-1300 | 15700 | 17725 |
| Dari | 1445-1545 | 7510 | |
| English | 0905-0910 | 15725 | 17720 news |
| English | 1100-1104 | 15725 | 17720 news |
| English | 1700-1710 | 11575 | 15700 news |
| Farsi | 1700-1800 | 7510 | 9370 |
| Gujarati | 1145-1215 | 9805 | 11865 |
| Hindi | 1045-1145 | 9805 | 11865 |
| Nepali | 1000-1030 | 11870 | 15620 |
| Pushto | 1345-1445 | 7510 | |
| Sheena | 0530-0615 | 7440 | 7265 |
| Sinhali | 1230-1300 | 11880 | 15540 |
| Tamil | 1300-1330 | 11880 | 15540 |
| Urdu | 0045-0215 | 15490 | 17710 |
| | 0500-0700 | 15725 | 17830 |
| | 0830-1100 | 15725 | 17720 |
| | 1330-1530 | 15290 | 17520 |
| | 1700-1900 | 11575 | 15700 |

(R. Pakistan pdf file via Abid Hussain Sajid-PAK, extracted & reformatted by wb, wwdxc BC-DX TopNews)

PALAU Radio Japan NHK World has commenced new relayed broadcasts from A12 season. One of their shortwave English and Indonesian services transmit from their new relay site in Palau where owned T8WH (World Harvest Radio). The schedule is 1315-1430 on 11705 (1315-1400 in Indonesian and 1400-1430 in English). It's the very first time for them to have relayed service from Palau. Radio Japan NHK World has 12 short-wave, five medium wave and five local FM relayed services worldwide, right now. (Koji Hoshi/ARDXC)

PAPUA NEW GUINEA R. Fly, Kiunga has reactivated 3915 while 5960 is now inactive. (WRTH Update) 3915, Radio Fly (presumed), 1357-1428, April 20. Non-stop music; Pacific Island pop, C&W ("Now That I Found You"), jazz instrumental, etc.; have not heard this recently; poor with usual QRM from 3912 (Ron Howard-CA/NASWA Yahoo Group)

3205, **NBC Sandaun**, 1224-1307*, April 20. Very similar reception as to that reported by Harold Sellers in dxldyg from British Columbia. In Tok Pisin with DJ playing pop Pacific Island pop songs; 1243: "Friday night . . . N-B-C Sandaun shortwave . . . 17 till 11"; 1256: usual full ID with "3,205 kHz. . . . 90.7 MHz."; 1302: "News Roundup" in English; item: groundbreaking ceremony for new housing

project, etc.; suddenly off the air just at the end of the "News Roundup"; better than recently heard. Ron Howard-CA/NASWA Yahoo Group)

PERU 6173.90, **R Tawuantisuyo**, Cusco, 0002, Apr 14, Spanish ann and ID, QRK 2-3. (Nilsson/DX Window)

PHILIPPINES 12095, **FEBC International** via Bocaue verified an electronic report with an electronic reply in 9 days from Owen who recently inherited the QSL response task for the station: "I use to be the antenna rigger on our FEBC short wave station KFBS on the island of Saipan, Northern Mariana Islands. We had 4 Continental 418D 100KW transmitters that we modified to Solid State modulators a few years ago. One of them was also modified to conduct DRM tests on. I was involved in that experimentation, as well as the modulator upgrade. We had 3 high gain TCI curtain antennas. One for Indonesian/Vietnamese, one for Mandarin, and one for our Russian service. Sadly, a little over a year ago, the station was dismantled, due to a number of reasons. The transmitters will eventually be installed in Bocaue and Iba, Philippines at our two SW facilities there. I am now a consultant within FEBC and travel to a number of our stations as the need arises. As a matter of interest, the transmitter in Bocaue are very similar models to the ones on Saipan, and the antennae are a slightly newer model 611TCI antenna than our Saipan ones." (D'Angelo-PA)

15190, **R Pilipinas**, Tinang, 1815-1928*, Apr 01 and 15, talks in Tagalog, songs, ID in English, fair // 11720 (poor) and 9395 (fair). (Bernardini and BOC 27/DX Window)

PIRATE (Euro) With **Galei Zahal** returning to 6973 **Laser Hot Hits** moved to 6985, later 6980 where it was heard at deadline, April 1. (Mike Barraclough/WDXC)

POLAND The March 18 edition of "What's Up?" confirmed that Polish Radio External Service in English is dropped from shortwave from start of A-12 Season. Only available on Internet, satellite and via World Radio Network from 25 March. (Alan Roe/WDXC)

ROMANIA Summer A-11 English schedule of **Radio Romania International**:

0000-0057 on 9700 11965
0300-0357 on 9645 11795 11895 15340

0530-0557 on 9700 17760 21500 11875 (DRM)
1100-1157 on 15210 15430 17510 17670
1700-1757 on 9535 (DRM) 11740
2030-2057 on 9700 (DRM) 11880 13800 15220
2200-2257 on 7435 9540 9790 11940
(Ivo Ivanov, Radio Bulgaria DX RE Mix News)

RUSSIA 15110, *Tatarstan Wave/GTRK Tatarstan*, via Samara, *0410, April 2. Carrier on long before sign on; starts with IS and the usual two IDs (one in assume Tatar and one in Russian: "V efirnye programa na volnye Tatarstana"); monologue; 0414 nice ballad; almost fair. (Ron Howard-CA/NASWA Yahoo Group)

RWANDA 6055, *R Rwanda*, Kigali, 1955-2100*, Apr 12 and 15, songs and music with French ann, funny talks in vernacular, noise from CRI, 43443. (Bernardini, BOC 27, Giroletti and Mille/DX Window)

SOUTH AFRICA RTE Radio One in English:

1930-2000 on 5820, ex 1930-2030
(Ivo Ivanov, Radio Bulgaria - DX Mix)

SRI LANKA Those interested in QSLing the **IBB** relay Station in Sri Lanka can do so direct to the Station Manager, IBB Relay Station, c/o US Embassy, Galle Road, Colombo 2, Sri Lanka. Like most IBB relay stations they have their own card and QSLs with Date, Time, Freq. All broadcasts from IBB will be QSLd including RFA, Sawa, etc. In the last few months I have received QSL cards from Greenville, Iranawila, Udorn, Sao Tome. (Victor Goonetilleke-CLN 4S7VK/,DX Window)

SWAZILAND 9584.784, *TWR* Manzini Swaziland heard with typical nice interval signal around 1453-1455 Apr 10. Followed with ID in Malagasy at 1455, px lasting til 1525. S=8-9 fluttery signal, heard in Tokyo-JPN. But this window is only wide open at 1453-1458 slot segment. Then 1459 til 1557 CRI 500 kW beast from Xian-CHN opened Japanese segment from Beijing on even 9585 and covered TWR Manzini broadcast totally. (wb, wwdxc BC-DX TopNews)

UGANDA 4750, *Dunamis SW* as monitored last 3 days from Perseus network Austria: briefly hrd on 4/19 from 1741 tune to abrupt off at 1752 - signal much weaker than on 4/18, S2 at best. No signal detected in this time frame on either 4/20 at 1745 or this morning at 1750 check. Obviously there are xmtr issues going on at the site, not to mention


the typical irregular schedule. The good signals on 4/18 have not been duplicated since and now more convinced that day was a test xmission. (Bruce Churchill-CA/DXplorer)

UKRAINE 9940, *Miraya FM* via Mykolaiv site. E-letter from Dorji Wangchuk, Broadcast Engineer, United Nations Mission in South Sudan, in 4 days. This is the same person who in 2008 verified my report, and reports of other DXers, of Bhutan Broadcasting Service with a really nice e-QSL. At that time he was Executive Broadcast Engineer at BBS. (Wendel Craighead-USA/DXplorer) He has now said it's OK to send reports to his personal address. It's dwangk@gmail.com. (Wendel Craighead-USA/DXplorer)

VIETNAM For A12, *Voice of Vietnam* offshore relays are:

6175 Sackville 0100-0428
9430 Skelton 1930-2030 German
9555 Sackville 0430-0528 Vietnamese
9625 Moosbrunn 1830 French
9890 Woofferton 1900-1930 Russian
11840 Woofferton 2030-2100 Vietnamese
(EDXP Magazine)

ZANZIBAR 11735, *Voice of Tanzania*, Zanzibar, at 2011 in Swahili with Middle Eastern female vocals and a woman with talk from 2022 to 2025 with a mention of "Zanzibar" then Middle Eastern male vocals to 2040 and a woman with talk with a mention of "Africa" to 2044 and into a Middle Eastern female chorus - Very Good. Apr 24. (Mark Coady-Canada) Very poor at 1930 check but booming in at 2040 recheck til 2059+ s/off with anthem. (Don Jensen-WI) Also here 2045-2059*, off with brief anthem. Very good. Nice to have this one back. (John Herkimer-NY) Ciao la Tanzania / Zanzibar è tornata attiva su 11735 come segnalato in Giappone e non solo. 11735, 24/4, 1800, Zanzibar Bc Corporation, Tanzania, African drums, ID and nx in English "The news from Zanzibar Broadcasting Corporation" good. (Giampiero Bernardini-Italy/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! 

Pirate Radio Report

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

Greetings and welcome to the June Pirate Report. Activity is high during prime time! Wow what a great bunch of logs for April!

Allow me to point out a few gems this month. See The Dit Dah log and the WDCD logs! One is a very cool commemoration of the sinking of the Titanic and the other a broadcast from the past. Also, a new station on the scene Radio Vixen International.

A note of caution, as I mentioned in my presentation at the fest, and it has come up again in the form of a very well respected member of the community reporting hearing military comms in the area 6930. Enough said!

Thanks for all the great logs. I have had to trim them down this month.

Captain Morgan SW, 6925 AM, 0201-0222*, 04-21-12 SIO: 444 Nice show honoring Dick Clark. The American Bandstand theme song, etc. Nicely done! [Lobdell-MA], (Taylor-WI), (Alexander-PA), (D'Angelo-PA)

Dit Dah Radio, 6.955a, 2355, 4-14-2012, 35333. A reenactment of the CW traffic of the shore station and the ships in the area of the Titanic the night she sank. Program is all CW. A very interesting program! Kudos to the Dit Dah radio! [Rohde-OH]

Hot Legs Radio, 6924.3, *2340-0010, 4-14-15. Music from James Bond movies. Pop music by Whitney Houston and others. IDs. Email address. Poor in noisy conditions. (Alexander-PA)

KIPM, 6925U, *0351-0610. 4-8, Alan Maxwell radio-drama. IDs as KIPM and Voice of the Illuminati. Box 69, Elkhorn, Nebraska maildrop. Strong. [editor's note this drop is no longer active](Alexander-PA)

MAC Shortwave, 6.950.5 MHz AM; 4/2/2012 - 0113z - 0138z; SINPO 42443; Paul Starr Show on MAC Shortwave. Comedy bits. Rocky and

Bullwinkle theme. Star Spangled Banner followed by Paul Starr laugh then SIGN OFF at 0138z. (Balint-OH)

Northwoods Radio, 6925U *2354-0036* 4/7-8/12 SIO=444. Good level w/OM Jack Pine Savage and a prgm of rock and country mx, some of which had obscene lyrics. (Zeller-OH), (Balint-OH), (Alexander-PA)

Radio Appalachia, 6935, 0131, 4-14, Bluegrass, 0134 "Roll in my sweet baby's arms", several other live selections, 0218 abruptly off mid song. Slowly drifted down to 6934.8 during the broadcast. Fair. (Taylor-WI), (Alexander-PA)

WDCD, 6955, 0113. Montage of short clips, many of which were related to Amway. Off 0116 with inspirational Amway clip. ID from HF Underground as I could not make out any ID. Poor. 4/9/12 (Taylor-WI) [editors note this is vintage program from WDCD dating back to at least 2004]

Radio Free Mars, 6950.7, 0114-0131* Apr 1, Elton John collage of Rocket Man and Benny and the Jets followed by David Bowie and Ground Control to Major Tom Good signal. (D'Angelo-PA), (Alexander-PA)

Radio Ga Ga, 6925U, 0047, 4-21, Music, clear "Radio Ga Ga" ID, more talk, drug themed music including "Everybody must get stoned," loop, ID, SSTV, CW, ID, 0115 off. Poor. (Taylor-WI), (Alexander-PA)

Radio Ronin Shortwave 6925 AM *0226-2330* 4/7/12 SIO=444. prgm of a variety of rock mx. Good level, and the best signal that I ever had from them. (Zeller-OH), (Alexander-PA), [Lobdell-MA]

Radio Strange Outpost 7, 6925 AM, *0009-0024*, 04-22-12 SIO: 343 Playing instrumental electronic mx, reminding me of that on Nintendo games of the early 1990's. [Lobdell-MA], (Alexander-PA)

Radio True North, 6950, 0345-0420. ID. Music by Golden Earring, Queen, Roy Orbison, Jan & Dean, George Thorogood, and others. Poor. Weak in noisy conditions. April 22. (Alexander-PA)

Radio Vixen International, 6925, 0001-0019, 4-25, 45434. An interesting mix of big band music and jazz. A short show only about 20 min. [Rohde-OH]

Rave on Radio, 6925, 0057 - 0102, 4-14, Rock music, 0059 ID and into next song, 0102 "Rave on Radio" several times, off. Fair. (Taylor-WI)

Red Mercury Labs, 6925U, 0343-0440+ Apr 14. Many selections of music from The Doors including Riders on the Storm, LA Woman, Touch Me) with mentions of Captain Ron and WEAK Radio. Generally poor with some fair peaks. (D'Angelo-PA), (Taylor-WI), (Alexander-PA)

Turtlehead Radio, 6925 LSB, 0440-0520+, 04-19-12, SIO: 232. Heard sign on ID by OM: "stay tuned for another episode of Turtlehead Radio". Song "I Want Candy" noted. My first log of this one. [Lobdell-MA]

Undercover Radio, 6925U, *0140-0214*, Apr 7. Dr. Benway opening mentioning its been three years since he last QSL'd. Good signal. (D'Angelo-PA), (Zeller-OH), (Alexander-PA), (Taylor-WI)

Undercover Radio and Renegade Radio QSO, 6.925U, 4-23. A QSO between the two on 6.925U, then Undercover moved to AM and started his program. Both ops had excellent signal strength here! [Rohde-OH]

Undercover Radio, 6935, 2305-2350, 4-21, rock music. Lite rock music. IDs. Email address. Talk by Dr. Benway. Shoutouts. Very strong. Really booming in. April 21. (Alexander-PA), (D'Angelo-PA)

WBNY, 6.925 MHz AM; 4/7/12 0106z - 0116z; SINPO 45344; Traveling Wilburys And bad monkeys have bad Fridays, Child singing "Here comes Peter Cottontail" etc. "Monkey Man" song; ID: "You'll find good sounds radiate around WBNY monkey boys". (Balint-OH), (Zeller-OH)

WMPR, 6925, 0004-0018* Apr 1, techno music with man announcer giving IDs. Closed after ID. Good signal. (D'Angelo-PA), (Alexander-PA)


Wolverine Radio, 6950U, 0140-0220, 4-8, wide variety of pop, rock, and blues music by U2, The Motels, B.B. King, Joni Mitchell, Rod Stewart and Bonnie Raitt. IDs. Very good. (Alexander-PA), (Taylor-WI)

Euros

Crazy Wave Radio, 6300, 2245-0015. Pop music. Oldies pop music. Rock music. IDs. Weak but readable. Fair on peaks. Improved to a urprisingly good signal by 2340. April 8-9. (Alexander-PA)

Fox 48, Norway, 6936U, 0010-0045*, 4-1, rock music. ID. Weak, but fair on peaks. (Alexander-PA)

Radio Flying Dutchman, 6299.6U PIRATE. (EUROPE). 0110-0123*. pop music. IDs. Fair to good. April 22. (Alexander-PA)

Radio Spaceman/Spaceman Radio, 6.290 MHz AM; 4/9/12 0102z - 0212z; SINPO 35433; Classic rock - Stevie Nicks, Supertramp, Traveling Wilburys, ID: "Radio Spaceman", "Spaceman Radio". (Balint-OH), (Alexander-PA) also heard on 4-6 by (D'Angelo-PA), 6295. 4-7, (Lobdell-MA) 6305. (D'Angelo-PA), 4-6/7, 6295. (Alexander-PA), 4-7, 6305. 

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: 86 Pumpkin Hill Road, Levittown, PA 19056). He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: rmonty23@verizon.net.

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

WEEKEND MUSIC RADIO **SUNDAYS**



48ms.w.

CYPRUS (Turkish Republic of Northern Cyprus): Bayrak Radio and Television Corporation via Iskele 6150 f/d ltr in 4 mos. for a taped rpt. and \$2.00. (Smith-MA).

GERMANY: Radio Free Asia 9835 via Lampertheim f/d "Winterfest 2012" cd. in 3 wks. for an email rpt. to: qsl@rfa.org Also rcvd. station sticker, schedule and a 2012 calendar book. (Lobdell-MA). Sudwestrundfunk 7265 via Rohrdorf f/d cd. in 1 mo. (Ervine-TX).

INDIA: All India Radio 11670 and 9445 via Bangalore f/d "Temple" cd. in 100 ds. (Feinberg-NY).

KUWAIT: Radio Kuwait 15540 ltr. w/ QSL Certificate printed on

STATION NOTES: Armed Forces Radio - Diego Garcia

4319 Email: QSL@dodmedia.osd.mil Orion Radio

5820 Email: info@orionradio.nl Radio

Merlin International 6325 Email: radio

merlin@blueyonder.co.uk Radio Hargheisa

7145 Addr: Konsularische Vetreitung of the

Republic of Somaliland, Zedern Weg 6, DE-

50127 Berghheim, Germany Email: radiohargheisa

@live.com Radio JPJ Lima 3360 Web: www.radiojppj.com

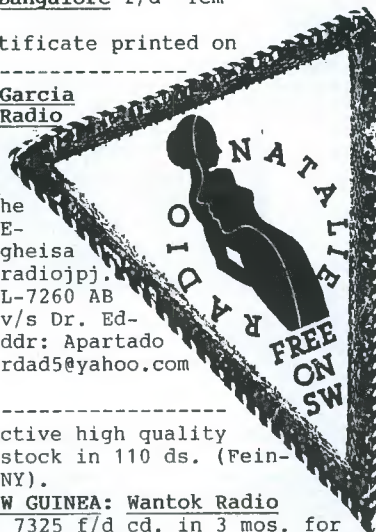
Delta Radio 3901.5 Addr: P.B. 65, NL-7260 AB

Ruurlo, Netherlands. Radio Verdad 4055 v/s Dr. Ed-

gar Amilcar Madrid, Director Gerente. Addr: Apartado

5, Chiquimula, Guatemala Email: radioverdad5@yahoo.com

via PLAY DX...Sam.



attractive high quality card stock in 110 ds. (Feinberg-NY).

PAPUA NEW GUINEA: Wantok Radio

Light 7325 f/d cd. in 3 mos. for a taped rpt. and \$2.00. v/s Dorish Asang. (Smith-MA).

RWANDA: Deutsche Welle 12070 via Kigali f/d cd. in 35 ds. (Feinberg-NY)

SWAZILAND: Trans World Radio 4775 f/d form ltr. in 53 ds. for 3 IRCs.

v/s L. Stavropoulos. (Kremer-OH).

TAIWAN (Republic of China): WYFR Family Radio 9465 via Tainan f/d cd. in 13 ds. for \$1.00. (Kremer-OH).

USA: WJHR 15500 n/d form ltr. in 25 ds. for \$2.00 (Kremer-OH).

USA (Pirates): Radio Vixen International 6925 f/d "Mermaid combing hair on Rocks" cd. in 3 hours for a rpt.

Radio Mushroom

QSL

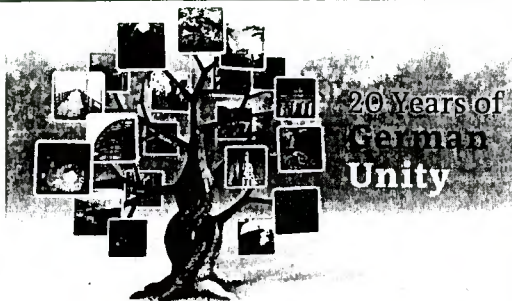


6925 usb



Nuclear Power Shortwave Radio

04242010 0138-0205UTC



to: hfunderground web site (Lobdell-MA). WEAK Radio f/d email QSL in 3 wks. for a relay via Renegade Radio. (Lobdell-MA).

Not too much this month but I hope the reports will pick up next time around.

I do want to take the following space to offer my assistance in organizing your QSL library. As most of you know I've

been DXing and collecting QSLs since 1958. I have 31 separate half inch and one inch albums (3 ring binders) just listing the QSLs by country / state / mode, etc. For the past ten years I've typed over 5000 pages on MicroSoft listing just the QSLs. Loggings are something totally different. For an SASE I would be very willing



RADIO CUSCO

OAX-7A 6195 KH-ONDA CORTA OAX-7G 1460 KH-ONDA LARGA

ECO MUSICAL 90.1 MHZ F.M.

STATION NOTES: Polskie

Radio 11980 via Woofferton v/s

Slawek Szeps Addr: Al. Niepodleglosci 77/85, 00-977 Warszawa, Poland.

Radio Nederland 6190 via Greenville Addr: P.O. Box 222, NL-1200, Hilversum, Netherlands. www.wtwv.com 5755 v/s George McClintock, President and General Manager. Radio 9

de Julho 9820 Email: radio9dejulho.com Addr: Rua Manoel Arzao 85, Sao Paulo 02730-030, Brasil.

Radio Inconfidencia 15190

Addr: Av. Raja Gabaglia 1666, Luxemburgo, Belo Horizonte, Minas Gerais 30441-194, Brasil. v/s Marcus Starling, Diretor Tecnico...vãa PLAY DX.



—Original Message—

From: ababaka.com <ababaka.com@gmail.com>

To: Rich D'Angelo <rdangelo3@aol.com>

Sent: Mon, Feb 14, 2011 10:04 am

Subject: Re: Reception Report: Rediyo Y'Abaganda on 6 February @011 from 1700 to 1715 UTC on a frequency of 17,725 kHz via a transmitter in Issoudun, France

Dear Mr. Rich D'Angelo,

Thanks for your letter. I apologize for this very delayed response. But yes, your reception report is correct. We can confirm that on 5th February 2011, at 17:00 - 17:15 UTC and on 17725 KHz, you listened to Rediyo Y'Abaganda, via Issoudun, France.

You can get more information about who we are from our website www.Ababaka.com. The website was launched in 2008, and the internet radio in the December of that year. We started broadcasting on short wave about a year ago. Our short wave broadcast is fed directly from our internet radio during the live shows every Saturday at 17:00 UTC. The language spoken in our programme is Luganda of the Baganda people. We are about 10 million strong. Inside a country called Uganda in East Africa.

Right now, we have studios in Chicago - USA and in London - UK. Our intention is to mobilise Baganda people world wide to stand up and mind our business. We advocate for democracy and the end of the dictatorial regime in Uganda. Regarding what you can do for us, ideally, we would like more people to know about our struggle. I am sending you our cards, and two of our promotional sweepers.

Wishing you all the best,
Alex Katizani Kigongo
For www.Ababaka.com Admin. Team



to send you sample pages complete with color codes, indentations and an explanation on how the entire process works. It is quite simple and works extremely well by listing your QSLs in alphabetical order of call letters followed by station slogans, IDs, transmitter site, grid coordinates, frequency, date and UTC. I've gone through all the 5000 plus pages at least 4 or 5 times, reprinting and refining as I improved on the overall system. Please send an SASE if you want to look at the system and see if it would fulfill your needs...Sam.

Sam

Contributors' Page

Bob Montgomery • 86 Pumpkin Hill Road • Levittown, PA 19056 • rmonty23@verizon.net

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

| | |
|-------------------------------------|---|
| Brian ALEXANDER, Mechanicsburg, PA | IC-7600, two 100' LW |
| Scott R. BARBOUR Jr., Intervale, NH | NRD545, MLB-1, 200' Beverages, 60m dipole |
| Ralph BRANDI, Middletown, NJ | QS1R SDR, 7030+, T2FD, 300' longwire |
| Mark COADY, Peterborough, ONT | Alinco DX-8RT, G5RV & Angler antennas |
| Rich D'ANGELO, Wyomissing, PA | TenTec RX340, DX Sloper |
| Jim EVANS, Germantown, TN | RX340, R75, 90' lw, Wellbrook ALA100M loop |
| Elliot FEINBERG, Brooklyn, NY | Sony 2010, Eton E-10, longwire |
| Marlin FIELD, Hillsdale, MI | NRD535D, long wire |
| Bob FRASER, Belfast, ME | Sangean ATS-909-X, Grundig Mini 300, whips |
| Steve HANDLER, Buffalo Creek, IL | Icom IC-7200, Tecsun PL-660, ICF-7600 GR |
| Glenn HAUSER, Enid, OK | FRG-7, YB400, SW-07, ATS-909, lw |
| Ron HOWARD, Asilomar Beach, CA | etón E-1 |
| Chris LOBDELL, Salem, MA | etón E1, 40m dipole |
| William McGUIRE, Cheverly, MD | DX-380 |
| Kevin MOLANDER, Martinez, CA | YB400PE, 5m reel antenna |
| Robert MONTGOMERY, Levittown, PA | R390a, SE3, 5BTV vert., Clifton Labs active antenna |
| Richard PARKER, Geryville, PA | 51S-1-X, R390A, SE3, ant. farm |
| Ralph PERRY, Wheaton, IL | R8B, SX100, E1, 150' & 100' LW |
| Jim RONDA, Tulsa, OK | NRD-545, R75, PAR EF-SWL & FlexMLB |
| Harold SELLERS, Vernon, BC | E-1 and Sony AN-1 antenna |
| Giovanni SERRA, Rome, ITALY | NRD-525 AD Sloper |
| Dan SREBNICK, Aberdeen, NJ | Perseus SDR, Alpha Delta DX-cc dipole |
| Jerry STRAWMAN, Des Moines, IA | Perseus SDR, Wellbrook 330s loop |
| Mark TAYLOR, Madison, WI | Winradio g313e, E1, Sat 800, Flextenna, EWE |
| Robert WILKNER, Pompano Beach, FL | NRD535D, IC746Pro, R8, 2010xa |
| Joe WOOD, Greenback, TN | Eton E1 |
| Bin WRIGHT, UK | AOR=7030, 5000m longwire |

I will be out of the country next month and unable to complete the column. I hope to be back in time for the following months column.

2000-5900 kHz

Tropical Band Loggings

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

- 2485 AUSTRALIA VL8K Katherine 1150 Prg of pop & CW mx; ancr w/ comments; fair on peaks; improving to 1200, but f/away by 1210; 4/12. (Strawman-IA) 1020-1045 Mx & audio noted; 4/13. (Wilkner-FL)
- 3250 HONDURAS R. Luz y Vida San Luis 0308-0328 SS; Relg talk by M w/ an occ. few bars of mx; alternating talk & mx segments after 0312; weak w/ lots of static from storms to the West of my QTH; plus strong fades, which produced a few seconds of an almost strong sig; 3/21. (Evans-TN) 0140-0145 Noted w/ weaker sig in recent days; 4/13. (Wilkner-FL)

- 3290 **GUYANA GBC** Georgetown 0914 EE; TC & "Early Bird" prg; M anc passing messages; fair; 3/19. (Barbour-NH) 0339-0408 Vcls hosted by M anc w/ talk; only occ. words could be made out; ID & nx at ToH; poor w/ v. deep fades; 3/21. (DiAngelo-PA) 0900 SC mx; "The Voice of Guyana" ID into Dave Brubeck "Take Five", this often played on VoG; 4/6. (Wilkner-FL)
- 3309.97 **BOLIVIA R. Mosoj Chaski** Cochabamba 0953-1005 SS; M & W ancrs w/ ballads & talk between mx bits; no discernible ID/ancment noted at ToH; fair in ECCS-USB; 3/26. (Barbour-NH) 3310 0943-1001 W anc discourse interspersing w/ plucked CP-style guitar riffs; fair; vg morning for the Andes; 3/28. (Perry-IL)
- 3320 **NORTH KOREA Pyongyang BS** Pyongyang 1218 M anc w/ extended talk; just above noise lvl; 3/27. (Strawman-IA)
- 3325 **INDONESIA-KALIMANTAN RRI Palangkaraya** 1305 Late s/on noted w/ their very nice "R-R-I Palangkaraya" stn song; MP3 audio posted at <http://www.box.com/s/a0f96bb7e7b14ff53268>; 3/22. (Howard-CA)
- 3329.51 **PERU Ondas del Huallaga** Huánuco 1000-1010 M anc into mx; 4/13. (Wilkner-FL)
- 3350 **COSTA RICA REE** Cariari de Pococi 0319-0340 SS; M anc w/ long talk; pips at 0330; fair; //6125 vg; 4/6. (DiAngelo-PA)
- 4050.09 **KYRGYZSTAN R. Rossii** Bishkek 2339-0023 RR Pop mx & W anc between selections; ancments & IDs until ToH; W anc w/ nx; ID at 0010; M & W w/ talk; best in SSB; S9+10; mild QRM; fair; 3/16 & 17. (Serra-Italy)
- 4055 **GUATEMALA R. Verdad** Chiquimula 0244-0315 SS; M & W ancrs w/ mx & talk; best in LSB & NIR12; poor/barely audible; just above QRN threshold; 3/12. (Serra-Italy) 0405-0411 EE; M preacher w/ talk; moderate-strong sig; best in months w/ T-storm static to the East, but little fading; 4/1. (Evans-TN) 0424 EE preacher; again at 0955; seems to have gone generally to EE per recent logs; 4/13. (Wilkner-FL)
- 4330 **CHINA Xinjiang PBS** Urumqi *0000-0012 S/on in listed Kazakh w/ mx; M anc w/ (P) ID ancments; brief talks by M & W anc w/ mx bits; indigenous mx at 0008; more talk at 0010; poor in ECCS-LSB; 3/21. (Barbour-NH) 1641-1708 Sing-song chant w/ strings; M & W ancrs at 1648; continuo vcl mx until ToH; 3+1 pips over chant at 1700; best in LSB w/ inter-audio filter to null RTTY; moderate static; almost fair; 4/07. (Serra-Italy)
- 4409.73 **BOLIVIA R. Eco** Reyes 0000-0140 SS; M anc w/ talk; better than normal sig; 4/13. (Wilkner-FL)
- 4716.19 **BOLIVIA R. Yura** Yura 0023-0050 SS; Continuous LA ballads; anc at 0046 w/ distorted audio; back to mx & zinger ID at 0049; f-g; best heard here in quite some time; 3/27. (Barbour-NH) 4716.74 *1023 S/on w/ mx; 4/14. (Wilkner-FL)
- 4755.42 **MICRONESIA V6MP The Cross** Pohnpei 1016-1028** EE (P); Lengthy talk by animated M anc; EE noted but too weak to detail; mx bridge at 1024 followed by diff. anc; mx bridge at 1028 & pulled the plug; poor & weak; 3/26. (Barbour-NH)
- 4765.06 **TAJIKISTAN Tajik Radio-1** Yangiyul 1757-1813 Lcl instrumental mx; M anc in lang; indigenous mx w/ M & W ancrs; best in SSB w/ moderate fast QSB; poor/almost fair; 3/13. (Serra-Italy) 2300-2324 M anc w/ talk & string mx bits; best in USB w/ fast QSB & moderate static; almost fair; 4/06. (Serra-Italy)
- 4774.95 **PERU R. Tarma** Tarma 1025 SS; Nice morning prg of mx nacional peruana; M anc w/ TCs for "cinco de la manana..."; had to use the Quantum Phaser unit to phase out the lcl electrical QRN, been bad lately; fair; 3/24. (Perry-IL)
- 4780 **DJIBOUTI RTD** Atta 1817-1834 AA; Sing-song HoA vcls w/ instrumental mx until 1830; M anc w/ (P) ID; M anc w/ (P) nx between mx bits; best in LSB w/ inter-audio filter; fair; 3/13 & 29. (Serra-Italy) *0318-0335 Abrupt s/on w/ AA talk; indigenous vcls; p-f; 4/8. (Alexander-PA) 0305 Kor'an; M anc in AA at 0310; poor w/ a bit of fading; minor CODAR; 4/11. (Evans-TN)
- 4781.5 **ECUADOR R. Oriental** Napo *1102 S/on w/ M anc & Oriental ID; 4/9. (Wilkner-FL)[great catch,OM!-ed.]
- 4790 **PERU R. Vision** Chiclayo 0511-0515 SS; M preacher w/ sermon in an echoing environment; occ. joined by W anc; poor; occ. f/up to good; 3/23. (Evans-TN)
- 4795 **KYRGYZSTAN Kyrgyz Radio-1** Bishkek 2018-2030 (T); M & W ancrs w/ low audio; best in LSB w/ inter-audio filter; poor & barely audible from 2027 w/ strong 4800 CNR-1 Geermu splash; 3/15. (Serra-Italy) 0104 V. tentative; carrier w/ imagination lvl talk in unid. lang; same on //4010; FWIW, both carriers had the same "tone", for lack of a better description; 4765 Tajikistan was audible & fair at best during the same time; interestingly, my notes show that the last time I had a (T) logging for Kyrgyzstan was in March 2011; 3/28. (Barbour-NH)
- 4800 **CHINA CNR-1** Geermu 2045-2105 CC; M & W ancrs; mx bits & some promos over mx; ancment ment. Zhonguo; pips at ToH & W anc w/ (P) TC; best in USB w/ moderate static; fair; 4/1. (Serra-Italy)
- 4810 **ARMENIA V. of Armenia** Yerevan 1901-1935 AA; M ancrs w/ (P) nx ment. Yerevan; mx bits between items; choral chants; M anc w/ final ".Yerevan" at 1922; more mx & talk; brief IS; minute of O/C into ballad; best in SSB; S9+20; good; 3/11. (Serra-Italy)
- 4820 **TIBET Xizang PBS** Lhasa 2110-2133 CC; Non-stop vcl mx; best in LSB w/ inter-audio filter; fair; 4/1. (Serra-Italy)

- 4826.52 **PERU R. Sicuani** Sicuani 0928-1030 Noted w/ good sig under CODAR; noted 0000 & 0900 for the last week; 4/13. (Wilkner-FL)
- 4840 **USA WWCW** Nashville 0415 EE; Relg prg & ID; exc.; 2/26. (Field-MI)
- 4878.9 **BRAZIL R. Roraima** Boa Vista 0318-0328 PP; Pop mx w/ occ. short ancments; v. weak w/ fading down in the noise 75% of the time but w/ a couple of good peaks; 4/17. (Evans-TN) 4880.31v 0304-0403* Pop mx & ancments; ID; s/off w/ NA; still here w/ wobbly, unstable carrier; somewhat distorted audio but readable; slightly off nominal 4875; on 4880.08 at 0304; drifting up to 4880.31 by s/off; 3/23; noted on 4879.22v on April 7. (Alexander-PA)[slightly?-ed.]
- 4885 **BRAZIL R. Clube do Para** Belem 0457-0504 PP; Traditional LA mx, some old & some new; quick ID followed by tangos; good; 03/24. (Wood-TN) 4885.02 0015-0047 M ancns w/ mx prg; several IDs & ancments; best in SSB w/ inter-audio filter; static & mild QRM when 4880-AIR Lucknow in mx; fair; 4/1. (Serra-Italy)
- 4914.96 **BRAZIL R. Difusora** Macapa 0319-0536 PP; M & W ancns w/ talk; pops & ballads; jingle IDs & countless ments. of Macapa; best in LSB w/ NIR12 & prop QRN; p-f w/ clear, loud talk at times; 3/24. (Serra-Italy) 4914.99 0805-0820 Brazpops & ballads; PP talk; ad; IDs; fair; 3/30. (Alexander-PA) 4915 0537-0602 M ancncr w/ lite pops & ballads; full ID ancment at ToH & right back to mx; fair; 3/20. (Barbour-NH)
- 4920 **TIBET Xizang PBS** Lhasa 0006 M & W ancns in listed Tibetan; //4905; p-f; 3/26. (Barbour-NH)
- 4930 **BOTSWANA VOA** Moepping Hill 0500 EE; M & W ancns w/ talk; weak; 2/24. (Field-MI)
- 4940 **CHINA V. of Strait** Fuzhou 1503; Saturday only EE prg iFocus on China in progress; W ancncr w/ nx items of the past week; frequent musical bridges; China & Zambia signed bilateral agreements; Irish & Chinese govts to work together w/ the aim of improving trade & investments; 1516 ID: iVoice of Strait, Focus on China; 3/31. (Howard-CA)
- 4950 **KASHMIR AIR Srinagar** 0209-0214 M ancncr in vern.; Hindi mx & ancments; no audio from 0214; best in USB w/ inter-audio filter to null strong het; moderate rustle & crackle at times; poor; 3/18. (Serra-Italy)
- 4955 **PERU R. Cultural** Amauta 2345-0005 SS; W ancncr w/ ballads & talk between mx bits; ID ancment at 0002; poor & weak, but clear in ECCS-USB; 3/25. (Barbour-NH)
- 4960 **SÃO TOME VOA** Pinheira 0534 FF; M ancncr w/ nx; passing ment. VOA; fair; 3/20. (Barbour-NH)
- 4965 **BRASIL R. Alvorada** Parintins 0930-0950 PP (T); M ancncr w/ non-stop talk; 4/14. (Wilkner-FL)
- 4974.8 **PERU R. Pacifico** Lima 0917-0925 The one noted here; 4/14. (Wilkner-FL)
- 4990 **SURINAME R. Apintie** Paramaribo 0900 (T); Noted here w/ poor sig per S. Barbour (T) log; 4/12 & 14. (Wilkner-FL)
- 5005 **EQ. GUINEA R. Nacional** Bata *0522-0605 SS; Late s/on w/ lcl African pops & hi-life mx; SS ancments; poor & weak in noisy condx's; carrier on at 0505 tho no prgming until 0522; nothing heard on 6250; 3/23, 27 & 29. (Alexander-PA) 1852-1948 Afro pops w/ brief, M ancncr at times; best in LSB w/ NIR12l notch filter for RTTY; vp-poor; 4/3. (Serra-Italy)
- 5010 **INDIA AIR Thiruvananthapuram** 0143-0156 M & W ancns in vern. w/ (P) nx; mx bit at 0152; more talk & Hindi mx bits; best in SSB; poor/vp; just above noise floor; 4/8. (Serra-Italy)
- 5010.18 **MADAGASCAR RTV Malagasy** 0228-0310 AM mode; T/in to IS at 0228; choral NA at 0229; opening ancments at 0231; Malagasy talk; lcl choral & African mx; weak-poor in noisy condx's; improved to fair by 0300; 4/8. (Alexander-PA)
- 5019.9 **SOLOMON ISLANDS SIBC** Honaiara 1030 Audible in LSB w/ 5025-Havana way down in power; 4/11. (Wilkner-FL)
- 5044.97 **BRAZIL R. Cultura do Para** Belem 0917 PP; Big sig but few ancments; Nat King Cole & Natalie Cole in that digi-created duet, "Unforgettable" into some Johnny Mathis; M ancncr w/ ancments at 0925 into canned ad string; strong sig but low modulation; 3/25. (Perry-IL)
- 5050 **USA WWRB** Manchester 0331 World of Radio 1611 monitoring; second SW airing confirmed; 4/6. (Hauser-OK)
- 5110U **USA WBCQ** Monticello 0133:30 World of Radio 1612 monitoring; starts at 0133:30 or so, after some "(X-1)" on Area 51 via WBCQ; as I was checking the end of WoR thru lightning crashes; 0159 there seemed to be some mx in the background; not sure where that came from; 4/14. (Hauser-OK)
- 5580.18 **BOLIVIA R. San José** San José de Chiquitos 0000-0025 Noted w/ strong sig; 4/13. (Wilkner-FL)
- 5755 **USA WTWW** Lebanon 0400 World of Radio 1609 monitoring confirmed; 3/25. (Hauser-OK)
- 5765U **GUAM AFN** Barrigada 1237-1302 EE; M & W ancns w/ talk; 1300 flute-like mx followed by M ancncr mention that this is a special edition of Sunday..(??); 3/25. (Handler-IL) 1253 AFN ID; military PSAs such as rules about political activity; presumably went on to CBS Sunday Morning 1300 live TV relay as heard previously; 3/25. (Hauser-OK)
- 5875 **THAILAND R. Thailand** Udon Thani 1116 ID sequence in EE into prg in Cambodian; 4/12. (Ronda-OK)

International Band Loggings

Steve Handler • 113 McHenry Road #178 • Buffalo Grove, IL 60089 • handlersmail-naswa@yahoo.com

- 5910 **COLUMBIA Alcaravan R.** 0313 SS w/ID, highlife music. Excellent. 3/13/12 (Parker-PA)
- 5915 **ZAMBIA Voice of Zambia** Lusaka *0249-0301Fisheagle IS followed by choral National Anthem at 0253. Thought I could hear a man opening program but way down in the mud so unintelligible. Lost in noise but buried under Iran which opened at 0300. Poor with some unidentified QRM. 3/19/12 (D'Angelo-PA)
- 5925 **CYPRUS Cyprus Broadcasting Corp** *2217-2244:30*. s/on with Greek ancmts, music and talk abrupt s/off. Fair. Stronger on // 7220, 9760. 4/13/12 Fri, Sat, Sun only. (Alexander-PA)
- 5930 **RUSSIA R. Rossii**-Petro-K, 0833 RR w/M&W ancrs w/ talk & bits of piano mx; //5940-Magadar poor w/ lots of 5935 MSG splash. 4/4/12 (Barbour-NH)
- 5952.42 **BOLIVIA R. Pio Doce** Siglo Viente, 0030-0102 SS. Ad string; instrmtl mx at 0038; M&W anc in discussion; various ancrs over mx; mx at ToH into M anc w/ no discernible ID noted; weak but readable. 4/14/12 (Barbour-NH) Also 0038-0048 extremely nice signal with interview prgm which seemed to be about the upcoming Semana Santa festivities in Bolivia. Recorded interview from organizers (last year?), etc. 0048 funky whistle and percussion marching-style huaync Best signal in long time. 3/28/12 (Perry-IL)
- 5970 **NETH ANTILLES Radio Japan-NHK** via Bonaire 0841-*0900, JJ.ancrs in discussion; up-beat m w/ talk over at 0855; ID ancmt; 3 pips & off; fair. 4/4/12 (Barbour-NH)
- 5975 **UNITED KINGDOM R. Japan-NHK** via Woofferton 0523 EE "Focus" prgm. Excellent. 3/14/1 (Parker-PA)
- 5995 **MALI RTVM** 0735-0757*.vern talk. Indigenous vocals. Local music. Fair w/weak mod. 4/8/1 and 2300-0009*.local tribal music. Indigenous vocals. Talk in unid language. Abrupt s/off Strong carrier, weak mod. 4/4/12-4/5/12. (Alexander-PA)
- 6010.16 **COLOMBIA LV de tu Conciencia** 1030-1050 EE relig talk with SS translations. Lite music. No usually this far off freq. Usually closer to 6010.06. Poor to fair. 3/23/12 (Alexander-PA)
- 6020 **OPPOSITION Shiokaze** via Japan (Targeting DPR Korea) 1330 piano music barely audible under R. Australia, and presumed in EE on Friday. 4/13/12 (Hauser-OK)
- 6030 **ETHIOPIA Radio Oromiya** *0420-0437listening to Radio Marti jammer for a long while but clear and this seemed to pop up at 0420 (thought they signed on at 0320?) with what sounded like Orchestra National Anthem opening followed by a man announcer in presumed Oromo language Weak with a woodpecker type noise marring reception. 3/19/12 (D'Angelo-PA)
- 6035 **CHINA PBS** Yunnan, 1509*. 4/11/12. Also 1500* on 4/13/12 (Howard-CA)
- 6035 **BRAZIL UNID**, 0809-0906 3.26, possibly a new Brazilian (or at least, an old one on a new freq on 6035.00 at 0906 on 3/26/12. Tune-in with M giving freq info in progress in PP and the into PP ballads at 0809, something of an updated Abba sound. Fair sig and no QRM. 0815 OI PP anmts wishing all MBD and then into another ballad at 0817. Degrading by 0830. (Perry-II)
- 6055 **SPAIN REE** 0000 EE IS, ID, news. Good. 4/10/12 (McGuire-MD)
- 6070 **CANADA CFRX** Toronto, ON). 0617. EG. "Comedy Radio" ID followed by Station ID as "News Talk 10-10." 3/24/12. Exc. (Wood-TN)
- 6010 **MEXICO R. Mil** (presumed) 0015-0020 SS talk M&W. Excellent. 3/9/12 (Parker-PA)
- 6110 **CANADA Radio Japan NHK** Sackville 0500 EE pips, id, news. Good. 4/8/12 (McGuire-MD)
- 6120 **BRAZIL Super Rádio Deus é Amor**, 0720-0735 PP preacher, PP inspirational music. Ancmts Sound effects. Weak. Better on //6059.98, 9564.97, 11764.98. 4/8/12 (Alexander-PA)
- 6130 **CHILE NHK-R. Japan** 0913-*0930 PP w/M ancrs in discussion; M&W ancrs from 0915 w/ occ "live" soundbites; vocal mx & M anc at 0928; Fair-poor. 4/4/12 (Barbour-NH)
- 6134.8+ **BOLIVIA Radio Santa Cruz** , Sta. Cruz de la Sierra, 0025-0033 3/28, big signal with prgm c modern LA rap mx, segued local pops. lite het, 0030 ad string and ID as "Radio Santa Cruz" a 0033, f/by station's jingle. Very amusing! (Perry-IL) Also 0055-0116*. SS pop music. SS talk S/off with Santa Cruz song. Poor in noisy conditions. April 15. (Alexander-PA)
- 6155 **INDIA AIR** via Bangalore 0138-0149 Sitar and vocal mx, male ann Urdu (presumed) fair 03/18/1 (Srebnick-NJ)
- 6160 **CANADA CKZN** St. Johns 0151-0157 Saturday Night Blues Fair 3/18/12 (Srebnick-NJ)
- 6165+/- **CHAD RNT** (presumed) 0226 African music getting thru without CCI during breaks from Bonaire However, there was some splatter from 6175 Vietnam via Canada . In the clear again at 054 FF (Hauser-OK) Also 2220-2235 FF talk. Afro-pop music. Fair to good. 3/22/12 (Alexander-PA)
- 6165 **NETH ANTILLES R. Netherlands** via Bonaire 0100 Dutch Bell/chimes ID, Newslne, news. Good 3/21/12 (McGuire-MD)

- 6173.90 **PERU Radio Tawantinsuyo** Cusco 1035-1050 f/out very pleasant morning folklorico program with mainly numerous segued huaynos, featuring guitars, charangos, fiddles. M deejay t/ck in SS at 1036. An occasional balada as a change of pace. Fair signal at tune-in but deteriorating fast amid the static. Okay QSA in general and QRM not bad this morning, the het being notchable. 3/14/12 (Perry-IL)
- 6165 **NETH ANTILLES R. Netherlands** via Bonaine 0105 SS id, news. Good. 4/4/12 (McGuire-MD)
- 6180 **BRAZIL Radio Nacional da Amazonia** Brasilia 0004 PP w/id and news. 4/4/12 (McGuire-MD) Also 0928, in PP. prgm of Brazilian ballads. Fair. 4/7/12 (Taylor-WI) Also 2224-2227. Talk in PP by man and woman. Moderate signal with little fading. 4/12/2012 (Evans-TN)
- 6185 **MEXICO XEPPM R. Education** 0508-0513 SS M&W talk, opera mx w/W vocal. Excellent. 3/9/12 (Parker-PA)
- 6973 **ISRAEL Galei Zahal** 2140-2320. Hebrew talk. Pop music. Electronic sound effects. Sounds of sirens. In AM mode but // 15785 in USB. Both freqs weak at tune-in, but 6973 improved to a fair level by 2210 and a good level by 2255. 3/22/12 (Alexander-PA)
- 7110 **MYANMAR Thazin (Kachin) Radio Service** (presumed), 1115-1123 .W ancw w/ brief talks between ballads; noted W ancw on 7200 though not in //; poor. 4/2/12 (Barbour-NH) Also poor at 1130 with short chime IS and TC; into talk with sudden transmission breaks 4/12/12; Also 1204 poor but still audible with songs; talk in Burmese (presumed) by W at 1205; gaining strength by 1216; presumed ID at 1230; continued fair with songs; noticeable decline in signal by 1235 4/13/12 (Ronda-OK) Also 1430-1501* theme music; in EE; recorded intro; pop songs; talk about Hkakabo Razi . This was the same prgm heard on the 4th (Wednesday). April 11 (Wednesday). Thazin Radio; EE segment from 1430 to 1501*; usual intro plus a special: "I wish you a very happy Thingyan and a special Happy Myanmar New Year today and I hope you all are enjoying excellent health, wealth and happiness." 4/13/12 (Howard-CA)
- 7175 **ERITREA V. of the Broad Masses** (2nd prgm) 0317-0323 vern w/indegeonous mx, Poor-Fair. 3/15/12 (Parker-PA) Also 0318 AA w/HoA traditional vocals and into lively AA vocals at 0325. M w/apparent news at 0330. Weak 4/8/12 (Coady-ON)
- 7200 **SUDAN R. Omdurman** - Al Aitahab, 0243-0303 AA w/M ancw w/ talk & indigenous mx; Kor'an at 0252 thru ToH; talk underneath (presumed) V. of Broad Masses Eritrea; poor. 4/3/12 (Barbour-NH) Also 0332 in Arabic with local vocal music and M with brief talk and back to vocals and back to talk at 0335. Fair. 4/8/12 (Coady-ON)
- 7200.1 **MYANMAR Myanmar R.** 1330-1430* one hour longer than usual; EE series of lectures for the Distance Learning Service w/lang lesson. 1345-1400. At 1400-1415 in vern (with some EE) w/ lecture about "Society" 1415-1430; lecture with mathematics. Unusual schedule due to Myanmar New Years? 4/14/12 (Howard-CA)
- 7245 **MAURITANIA IGIM/R. Mauritanie** 0021presumed w/music. 4/3/12 (Hauser-OK) Also 0241-0320 vocal by W, talk AA M&W. Vocal by M at 0313. Good. 4/6/12 (D'Angelo-PA) Also 0600 chanting, poor signal 4/9/12 (Hauser-OK) Also 2256-2304 AA w/M&W ancws in discussion, M&W ancw over mx at ToH; no discernible ID noted; "tinny" strings into M ancw w/ nx & remote reports. Good. 4/2/12 (Barbour-NH)
- 7270 **INDIA AIR-Chennai** 1207 songs in Tamil [listed]; off at 1215 Fair-poor 4/12/12 (Ronda-OK)
- 7275 **TUNISIA IWT** with music apparently in Arabic, 4/12/12 (Hauser-OK)
- 7324.97 **PAPUA NEW GUINEA Wantok R. Light** (presumed) 0855-0915 3/26 and 3/28, same pattern as before. Fade in approx 0855 Into nx by Ylat ToH lost for good by 0915. Weak at best. (Perry-IL) (tentatively) 0858-0913, very weak signal and difficult to read, but broadcaster definitely "there". 0858 tune-in to hear M anmts, couldn't tell lang, and then into some type of instl mx thru top of hour. At 0901 a W (or else M with higher-pitched voice) into long discourse. Signal too difficult to work very successfully this night, fading in and out. Frustrated and could not hold past 0913 3/25/12 (Perry-IL)
- 7375 **GERMANY Croatian Radio** via Wertahtal 2300 Crotian id and news. 4/3/12 (McGuire-MD)
- 7450 **GREECE R. Makedonias** Avlis, 2238-2243 Greek talk & music. Good. 4/6/2012 (Evans-TN)
- 7475 **ALBANIA R. Tirana** 2301 Albanian w/id, news. Good. 3/31/12 (McGuire-MD)
- 7550 **INDIA AIR Bengaluru** 2200 EE id, news. Good. 3/16/12 (McGuire-MD)
- 9330 **USA WBCQ** 2215 EE w/Rev. Chuck Swindoll w/ID. Excellent. 3/9/12 (M. Field-MI)
- 9395 **THAILAND R. Thailand** HSK9 (presumed) 1406, JBA 4/15/12 (Hauser-OK)
- 9410 **SEYSCHELLES BBC** 2140-2159* prgm: Science Nation, good signal 3/29/12 (Feinberg-NY)
- 9470 **RWANDA DW** 0404-0414 nx, discussed situation in Mali, // 7240, Good. 3/31/12 (Feinberg)
- 9526- **INDONESIA VOI** 1317, VOI EE undermodulation almost readable with 'Update *still* suffering from IADs = intermittent signal dropouts 4/13/12 (Hauser-OK) Also 1228-1232. Talk in JJ by woman. ID at 1230. Moderate audio w/little fading. 4/4/2012 (Evans-TN)
- 9635 **MALI RTVM** *0758-0810 s/on w/guitar IS. Flute IS at 0759 and opening FF ID anmts. Local tribal music at 0801 and vern talk. Fair-good w/weak modulation. 4/8/12 (Alexander-PA)

- 9655 **NEW ZEALAND RNZI** at 1100 with IS noted before the hour then time pips and News at noon - Fair with Voice of Korea ACI on 9650 4/2 (Coady-ON)
- 9655 **ALASKA KNLS** (presumed), 0922-0935 CC talks by M & W ancrs w/ mx bridges; Poor. 4/10/12 (Barbour-NH) Also 1300-1302. Repeated IS heard occ. peaking above noise. Talk sounded like Chinese by M at 1302. Very weak w/fading. 4/4/2012 (Evans-TN) Also ID in EE at 1600 and int prgm in RR; all at fair-poor level 4/11/12 (Ronda-OK)
- 9660 **UZBEKISTAN CVC Int'l** Tashkent, 1218-1221. Talk in Hindi by W w/occ. music in the background Moderate signal w/high and low side interference. 4/4/2012 (Evans-TN)
- 9680 **INDONESIA RRI** 1357, after nice Indonesian music atop Chinese radio war, RRI jingle. 3/21/12 (Hauser, OK)
- 9685 **BOSNIA Int'l R. Serbia** Bijeljina 0029 IS, very good, 0030 opening in EE M ancr. 4/3/12 (Hauser OK) Also 0032-0059* W ancr with EE news. At 0039 ID by W at end of news Music features unt closedown at 0058 with ID, ancmts and IS. Very good. 4/10/12 (D'Angelo-PA)
- 9685 **UAE Family Radio** Dhabayya 1953-20:00 Presumed Hausa prgm, ann ment. "Oakland CA", s off with usual theme, fair, 03/18/12 (Srebnick-NJ)
- 9700 **ROMANIA RRI** via Tiganesti 0000 EE w/is, id, news. Good. 4/7/12 (McGuire-MD)
- 9705 **ETHIOPIA R. Ethiopia** 2030-2101* Ann in Amharic, music, 2057 ann then anthem, fair 3/18/12 (Srebnick-NJ) Also 2040-2101*. local Horn of Africa style folk music. Amharic talk. Sign of with National Anthem. Fair. April 12. (Alexander-PA)
- 9705+/- **NIGER LV du Sahel** (presumed), 2237 FF w/M ancr with prgm of Afropop style music. Stopped list before gett ID due to local QRM. Poor. 4/13/12 (Taylor-WI) Also 2240-2301* FF talk. Indigenous music, Local chants, 12 second flute IS and choral National Anthem at 2259. Ten second test tone at 2301 and off. Poor w/weak mod. 4/7/12 (Alexander-PA)
- 9819.8 **BRAZIL R. 9 de Juho** Sao Paulo 0432 PP w/M talking. Fair-Good. 3/9/12 (Parker-PA)
- 9720 **GUAM Adventist World Radio** 2140-2159* Man in CH fair 3/18 (Srebnick-NJ)
- 9720 **THAILAND R. Thailand** open carrier popped on at *1230 into English service. Nice signal for world and national news presented by YL in EE. Item about \$70 billion infrastructure enhancement plan for Thailand after last year's floods. Also item about high speed railway plans for the Kingdom. Interesting to note that at 1215 t/in, China is booming in on this freq they sign off and cut the carrier to 1227*. After a couple minutes of atmospheric noise and doubt about whether Bangkok will turn up, bingo, there they are. Having lived there 7 years, this is like getting letters from home, hi. (Perry-IL)
- 9720.03 **ERITREA Voice of the Broad Masses of Eritrea** *0256-0315, sign on with IS. Vernacular talk at 0300. Horn of Africa music. Weak. // 7175 - poor with HAM QRM. April 13. (Alexander-PA)
- 9730 **SEYCHELLES BBC** 2219-2229 EE features about Titanic voyage, Disney's Lion King play. Nice II at 2228 by W ancr followed by prgm previews. Fair-good. 4/9/12 (D'Angelo-PA)
- 9730 **VIETNAM V. of Vietnam** Sontay, 2022-2046 RR/EE M&W ancrs carrier 2027; IS at 2030 & ID, W ancr w/prgm hilites, joined by M ancr w/presumed nx; poor. 4/13/12 (Barbour-NH)
- 9730 **SEYCHELLES BBC** 2229-2242 EE promo, ID, nx into M ancr w/intl nx headlines; "Bus. Daily" prg at 2232. Fair // 12095 Ascension-good; not//9740 Oman-Poor. 4/13/12 (Barbour-NH)
- 9740 **SINGAPORE BBC** 1157-1201 EE Sports news by two M. ID ToH by W followed by news by M&W. Moderate signal w/min. fading. 4/4/2012 (Evans-TN)
- 9745 **BAHRAIN Radio Bahrain** USB 0010-0025 AA talk. Local Middle-East style music. Weak, but readable. 4/7/12 (Alexander-PA) Also (presumed) 2357-0008 AA vocals ItC after another stn closed at 2357 then flute music at 0001. Brief AA no ID noted. Poor w/fading. 4/7/12 (D'Angelo-PA)
- 9745 **OPPOSITION Voice of Han** Kuanyin, Taiwan (Targeting PRC China) 2216-2225. M&W talking in Chinese, music at 2220. Poor w/fading. 4/6/2012 (Evans-TN)
- 9750 **SEYCHELLES BBC** 0346-0349 News of Africa in EE by two men. Moderate sig with minimal fading. 3/30/2012 (Evans - TN)
- 9819.7 **BRAZIL R. 9 de Julho** (presumed) 0547, music, very poor signal with fading. 4/9/12 (Hauser-OK)
- 9820 **CHINA Beibu Bay R.** Nanning 1022-1040.M ancr in listed Cantonese over lite mx; pops mx at 1025; ID over mx w/ ment. "B-B-R" at 1030; W ancr w/ (presumed) nx headlines; ballads at 1033 & more W ancr at 1037; pops at 1039; fair. 4/3/12 (Barbour-NH)
- 9835 **MALAYSIA RTM Sarawak FM** Kajang 1049-1102 Kor'an & occ. W ancr; M ancr in AA & W ancr in Malay at 1054; ballad; 2 pips ToH & (T) "R-T-M" into W ancr w/ nx; poor 4/3/12 (Barbour-NH) Also 1235-1240. Pop ballad music. Talk in Malay by a woman at 1238 then music. Mod sig w/fading. 4/4/2012 (Evans-TN)
- 9850 **RWANDA DW** 0514 EE //9800 stronger 4/11/12 (Hauser-OK)
- 9870 **OPPOSITION Radio Voice of the People** via Madagascar (Targeting Southern Africa) 0415-0457*. vern talk. IDs. Into EE at 0442 with IDs, EE news about Zimbabwe. Schedule and contact info. Fair. 4/8/12 (Alexander-PA)
- 9930 **PALAU WHRI** 1255-1330. Religious prgmming (Easy EE Study). ID. Fair. (Molander-CA)

- 940 **OPPOSITION Radio Miraya** via Ukraine (Targeting Sudan/Darfur Region) 0310-0415. local pop music. IDs. "Miraya" jingles. A mix of AA and EE talk w/EE at 0314-0324 about human rights and the mil. conflict in Sudan. AA talk at 0324. EE news at 0329. Back to AA talk at 0333. More EE talk at 0354. EE news at 0400-0412. AA talk at 0413. Fair. 3/23/12 (Alexander-PA)
- 950 **OPPOSITION Furusato no Kaze** via WHRI's xmtrs at Medorn , Palau (Targeting DPR Korea), *1430. s/on by W in JJ with M & W presenters, talking. 3/18/12 (Handler-IL)
- 950 **OPPOSITION Nippon no Kaze "il bon ue baram"** via Taipei, Taiwan (Targeting DPR Korea), *1300-1330* Korean s/on w/ID by W ancr soft theme music in background followed by W and then M&W talk. Later in program music and M&W speaking, and at 1324 their traditional music they use before reading the names of the missing followed by W and then what sounded like reading list of names at 1326 GMT and giving what sounded like their web address at 1327. Their normal prgmclosing music at 1329. Fair. 3/24/12 (Handler-IL)
- 950 **OPPOSITION Furusato no Kaze** via Taipei, Taiwan (Targeting DPR Korea) . *1330-1343 JJ s/on with their theme s/on music and W presenter w/ID then speaking. By1348 poor and unintelligible. Fair declining to poor. 3/24/12 (Handler-IL)
- 960 **OPPOSITION Khmer Post Radio** via Medorn (Targeting Cambodia), 1243-1250. Talk in Cambodian by two M, pop music by W at 1249. Mod sig. a little fading. 4/4/2012 (Evans-TN)
- 965 **PALAU Radio Australia** 1345 - 1405. Rel. prgm. M w/unid lang. And W in EE.ToH two Radio Australia ID's. Fair. (Molander-CA)
- 1530 **OPPOSITION Denge Mezopotamya** via Ukraine (Targeting Kurdistan Region) *0300-0320 s/on w/Kurdistan NatAnth and Kurdish talk, Kurdish music. Poor. 4/7/12 (Alexander-PA) Also 1445-1458. w/Kurdish music. Very Good signal. 3/17/12 Also heard 1350 GMT with what sounded like W talking/yelling/spearing in Kurdish. 3/24/12 (Handler-IL)
- 1570 **TAIWAN Family R. Int'l Huwei/Yunlin**, 1211-1213. Talk by M in Burmese. Weak to moderate signal w/fading. 4/4/2012 (Evans-TN)
- 1600 **LIBYA Radio Télévision Libye/Radio Libye** 1605-1805* FF talk, ballads. Lite instrumental music. IDs. Weak in noisy conditions. Improved to fair level by 1700. 4/8/12. (Alexander-PA)
- 1605 **N MARIANA ISLDS Radio Free Asia** via Tinian 1245-1301 w/Tibetan broadcast with no jamming heard. ToH 1300 Male ancr w/This is Radio Free Asia the following prgm is in Tibetan. Good signal on 3/27/12 (Handler-IL)
- 1625 **MADAGASCAR Vatican R.** 0327 EE w/talk and IS. Excellent 3/7/12 (Parker-PA)
- 1670 **INDIA AIR** 2120-2150 listeners letter prgm: Faithfully Yours, then film music, good signal 4/1/12 (Feinberg-NY)
- 1710+/- **ARGENTINA RAE** 0333 FF w/talk, mx bridges. 3/7/12 (Parker-PA). Also 1004 in JJ with Latin instrumentals and a W with talk with an "R-A-E" ID at 1006 and into Latin vocals -Fair to Good 3/30/12 (Coady-ON)
- 1730 **UZBEKISTAN Vatican R.** 0100 in Hindi w/i ID and Hindi instrmnts. Fair 4/2 (Coady-ON)
- 1730 **BELARUS Radio Belarus** 2225-2240. Talk in RR by a M. A few minutes of music around 2230, then talk by W. Very weak signal with some fading. 4/9/2012 (Evans-TN)
- 1740 **INDIA-GOA AIR** 0057 in listed Sinhalese with local vocal music and a M w/talk. Good 4/8/12 (Coady-ON)
- 1750 **SRI LANKA SLBC** 1707-1733 Various M&W ancrs w/discussion in listed Sinhala; M&W ancrs over mx; Hindi mx; no discernible ID at BoH; fair. 4/10/12 (Barbour-NH)
- 1750 **THAILAND BBC** 1206-1209. News in EE by man in studio plus remote reporters. Poor to moderate signal strength with some fading. 4/4/2012 (Evans-TN)
- 1765 **BRAZIL R. Tupi/Super R. Deus e Amor** Curitiba 0623 PP w/impassioned M speaking to large crowd. Exc. 3/9/12 (Parker-PA)
- 1905 **SRI LANKA SLBC** 0013, tone test w/flutter; by 0020 signal is fair w/flutter, now drumming, vocal anthem(?), 0025 YL ID as "Sri Lanka Broadcasting Corporation" in EE, but the rest in S Asian language -not Sinhala but the Hindi service starts at 0020. Then M singing alternating with chanting, 0032 string music. 4/3/12 (Hauser-OK)
- 1970 **ROMANIA RRI** via Galbeni 2000 FF w/is, id, news. 4/4/12 (McGuire-MD)
- 2095 **ASCENSION BBC** WS 2100 EE w/id, news. Fair. 4/4/12 (McGuire-MD)
- 2140 **KUWAIT R. Azadi** 0210 Dari w/talks and bridges of music. Good. 3/7/12 (Parker-PA)
- 3575 **GUAM KSDA** 1409 Chinese, w/CODAR interference. 4/3/12 Very Poor. (Hauser-OK)
- 4700 **OPPOSITION Sound of Hope** via Taiwan (Tent) 1243 Mandarin.M&F ancrs no jamming heard, but SOH's weak. 3/27/12. SoH (presumed) at 1250 very weak not sure of ID on 3/31/12. (Handler-IL)
- 5120 **NIGERIA VON** 0454 is on and audible again, from old Ikorodu site fair sig. w/nat'l anthem, 0455 s/onin EE. 4/8/12 (Hauser-OK)
- 5160 **AUSTRALIA R.Australia** EE 0712 EE, M&W sports talk prgm "Grandstand" w/correspondents, sudden s/off at 0716; again s/on and sports talk prgm from 0718 with brief W & M ancmts at times with music breaks, IDs as ABC Radio; sudden s/off at 0757;good;4/08/12. (Serra-Italy)

- 15170 SAUDI ARABIA *BSKSA* 0457 Qur'an. Good but fluttery; 0507 4/10/12 (Hauser-OK)
- 15190 EQUATORIAL GUINEA *R. Africa* Bata 1939 with a laid back American preacher with W offering an occasional "Amen" 2003 brief trumpet sounds and off. Fair 4/312 (Coady-ON) Also EE sermon, flutter, and 1953 "Let the Bible Speak", mailing address repeated in US but couldn't tell where, "till the same time next week"; 1955 right into next show! opening with small W group singing 4/6/12 (Hauser-OK) Also 2043-2055 EE. M preacher w/ Psalms; "Walking In (Prayer?)" & Miami, FL contact info & plea for \$\$; open carrier at 2052; choral mx & new prg at 2054; poor-fair. 4/10/12 (Barbour-NH) Also 1940,
- 15310 ROMANIA *RRI* 1857 Romanian w/music and time at ToH. Fair. 4/14/12 (Hauser-OK)
- 15340 AUSTRALIA *HCJB* 1507, S. Asian music, long path? 4/7/12 (Hauser-OK)
- 15360 UAE *R. Taiwan Intl* via Dhabbaya 1935 FF s/off at 2000 as per sked. Poor 4/11/12 (Ronda-OK)
- 15370 CYPRUS *BBC* 1340 HoA music, talk in presumed Somali //17840 4/7/12 (Hauser-OK)
- 15450 TURKEY *VOT* 1230 also reactivated here for the summer EE broadcast to W Europe and also USward, 1231 poor but readable with news about PM meeting President Obama in Seoul. Still quite an improvement over 12035 at 1330 which had been mostly inaudible all winter B-season 3/25/12 (Hauser-OK)
- 15500 OPPOSITION *Sudan Radio Service* via Woofferton, UK (Targeting Sudan/Darfur) 1605-1615 AA or Sudanese indigenous not sure. Prgm is listed as their Darfur Programming. on 3/11/12 (Handler-IL) Also heard 1626-1630 AA or Sudanese indigenous not sure, w/W ancr speaking and AA music. Good. 3/17/12. (Handler-IL)
- 15535 OPPOSITION *Radio Dabanga* *1530-1540. Male with Radio Dabanga's singing sign on and then talk by M. 3/19/12 (Handler-IL)
- 15540 KUWAIT *R. Kuwait* 1822 good sig. w/rock music; 1936 check, Today-in-History feature. 4/6/12 (Hauser-OK) Also 1830-1850 nx, American pop mx, good signal 3/31/12 (Feinberg-NY)
- 15580 MADAGASCAR *VOA* 2055 "Afro Beat" music in FF tune in FF, "Vive la République Gabonaise" "vive la liberté, égalité, fraternité. 4/10/12 (Hauser-OK)
- 15610 USA *WEWN* 0033 Catholic prgm w/W EE talking. Excellent 2/26/12 (M. Field-MI)
- 15650 GREECE *VOG* 1502 Greek with CCI from R. Liberty in Turkmen. 4/12/12 (Hauser-OK)
- 15720 NEW ZEALAND *RNZI* 0259-0337 time pips, W ancr in EE w/ID followed by news. After the news came Dateline Pacific program. Poor to fair. 3/22/12 (D'Angelo-PA)
- 15745 MADAGASCAR *R. Japan* 1437 Hindi poor signal. 4/7/12 (Hauser-OK)
- 15785 ISRAEL *Galei Zahal* 1931 Hebrew w/poor signal w/song in AM mode. 4/7/12 (Hauser-OK) Also 2235-2300. AM mode music w/Hebrew talk. Weak. //6973 v.weak 4/4/12 (Alexander-PA)
- 17510 CYPRUS *BBC* 1258 chimes, preceding 1300-1330 Uzbek. Very poor. 4/13/12 (Hauser-OK)
- 17585 ASCENSION *Family R. Intl* 1922 FF relig music. Good. 4/13/12. (Hauser-OK)
- 17745 OPPOSITION *Sudan Radio Service* via United Kingdom (Targeting Sudan/Darfur Region) 1630-1645 nx, tk about education, fair signal 3/17/12 (Feinberg-NY)
- 21460 GERMANY *Bible Voice Broadcasting* via Wertachtal, *1500-1517 M ancr with ID opening EE prgm followed by a preacher. Fair with moderate fades. 4/1/12. (D'Angelo-PA)

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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 Brandi, Dr. Harold Cones, Richard Cuff, Rich D'Angelo, Bill Oliver, John Figliozzi

EDITORIAL STAFF:

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

Desktop Publishing/Graphics: Ralph Brandi, 128 Greenoak Blvd, Middletown, NJ 07748

Easy Listening: Richard Cuff, 42 North 37th St., Allentown, PA 18104

Shortwave Center: John Figliozzi, 45 Algonquin Rd, Clifton Park, NY 12065

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 Rohde, 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, 5001 North 25th St, Arlington, VA 22207

Tropical Band Loggings: Scott Barbour, Jr, PO Box 893, Intervale, NH 03845

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Company Store: Jim Strader, 74 Miller St, Middleborough, MA 02346

Distributing Editor: Bob Montgomery, 86 Pumpkin Hill Rd, Levittown, PA 19056

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