

The **NASA** Journal

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North American Shortwave Association — America's Shortwave Broadcast Club

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CommRadio CR1



The **CommRadio CR1** communications receiver offers interesting capabilities, not previously available. The CR1 is a true SDR (software defined radio), but does *not* require a computer. Enjoy the benefits and performance of state-of-the-art SDR, but in a conventional radio package. The CR-1 SDR is independent of a host PC, using embedded digital signal processing technology that provides a degree of portability and performance previously unavailable to the radio enthusiast. Coverage includes: 500 kHz-30 MHz, 64-260 MHz and 437-468 MHz in AM, SSB, CW, WBFM, NBFM modes. (LW 150-500 kHz with reduced performance). The incredible performance is combined with exceptional portability and ease of use. The radio may be powered via USB or 6-18 VDC input. In both cases the optional Li-Ion battery will be recharging, even when the radio is in use. All this American technology and capability is housed in a compact, metal case measuring 5.64 x 2.43 x 6.10" 1.8 lbs. This radio comes with a DC cord and printed Owner's Manual. This radio requires 12VDC @ 500ma. The MG ADPT40 #0511 *15.95 is suggested.

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CommRadio CR1

Order #2001

\$599.95

SPECIFICATIONS

Frequency Coverage and Modes:

MW-HF: General Coverage: 500 kHz - 30.000 MHz
MW-HF: MDS: nominal -125 dBm in 500 Hz Bandwidth

User Configurable Band Key:

Amateur Band Selections: 160 m - 10 m
International Broadcast Bands: 120 m - 11 m
AM-SSB-CW manual or auto-mode selection (based on tuned frequency)
International Broadcasting: manual or auto-selection: AM - 5 kHz steps

Auto-Filter Width select with override: AM: 5, 7.5 kHz, 15 kHz - SSB: 1.8, 2.6 kHz - CW: 1 kHz - 500 Hz
Tuning Resolution (cursor control): 1 MHz / 100 -10 - 1 kHz / 100 - 10 Hz
LW: 150 - 500 kHz is included for experimental purposes.

VHF-UHF General Frequency Coverage and Performance:

VHF: Continuous Coverage: 64.0 - 260.0 MHz
UHF: Continuous Coverage: 437.0 - 468.0 MHz
VHF Sensitivity: 87.0 - 150.0 MHz: nominal - 90 to - 95 dBm for 12 dB SINAD, 15 kHz filter bandwidth (5 kHz deviation)
VHF Sensitivity 150.0 - 260.0 MHz: nominal - 95 to -105 dBm for 12 dB SINAD, 15 kHz filter bandwidth (5 kHz deviation)
UHF Sensitivity: nominal -83 dBm to -86 dBm for 12 dB SINAD, 15 kHz filter bandwidth (5 kHz deviation)
Standard frequency steps for each band
SCAN blocked on VHF/UHF to comply with FCC Part 15 rules (Declaration of Conformance)

VHF-UHF Band Plan:

FM Broadcast: 87.7 - 107.9 - Monaural - 7 kHz audio bandwidth
Aircraft Band: 108.000 - 136.975 MHz, AM auto-select -25 kHz channel steps
Amateur: 2 m, 1.25 m, 70 cm (upper portion starting @ 437.0 MHz).
NBFM mode default with SSB-CW mode selects.
Marine & NOAA Weather Radio
Public Service: 137.0 - 225.0: 12.5 and 25 kHz steps. NBFM default.
FRS-GMRS 462 - 467 MHz, NBFM - 25 kHz Steps
Note: 6 m (54 MHz) is not available

Receiver Architecture

HF: Dual conversion (VHF-UHF: single conversion) with low-IF, I-Q digital sampling, 32-bit DSP with digital audio CODEC
DSP demodulation algorithms: DSB-AM, SSB, CW, WBFM, NBFM
User Selectable. DSP fixed bandwidth channel filtering selections

Audio System - (Digital CODEC)

Speaker Driver: 0.8 W into 8 Ohm load
Internal 2.5" diameter, mylar-cone communications grade speaker
External monaural speaker jack (3.5 mm stereo jack - back panel)
Headset Driver: 40 mW into 16 Ohms. (3.5 mm stereo jack - front panel)

Antenna Inputs

LW-MW-HF Port: 1000 Ohm - 3.5 mm jack (auto-detection)
LW-MW-HF Port: 50 Ohm - BNC (female)
VHF-UHF Port: 50 Ohm - BNC (female)

Display

64 x 128 OLED Display with EMI-filtered lens
Readable outdoors (not in direct sunlight) and manually dimmable

Power Supplies

Power Jacks: Powered-USB and 6-18 VDC (2.1 x 5 mm diameter - center pin-positive)
Optional Internal Lithium-Ion rechargeable battery 6-8 hour capacity with full speaker volume. 10-12 hours for headset and normal speaker volume.
Both supply inputs automatically charge the optional internal battery with the CR-1 powered On and OFF.

Power Consumption

< 1.0 Watt Headset and normal speaker volume
< 1.6 Watt maximum - full speaker volume

USB Mini-B 2.0 Jack

Automatically charges internal battery while maintaining maximum USB power use < 2.5 Watts
Software updates via "Dropbox" from CommRadio

Mechanical

Overall Size: 5.64" W x 2.43" H x 6.10" D (including knobs, jacks, feet)
Weight: 1 lb - 12 oz
Knobs: Machined Aluminum - Black Anodized
Front Panel: Machined Aluminum - Powder Coated - Black semi-gloss
Case: 20 Gauge Steel, Powder Coated - Black Crackle.

ESD Protection: ESD Diodes: Antenna ports - Power Jacks - USB Port-Keys - Knobs

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Kari Kivekäs (ksk@sdxl.org), Secretary General of European DX Council (EDXC) send information that the EDXC conference 2013 is to be held in Figueira da Foz, Portugal, on 6-9 September, 2013. The conference hotel is Sweet Residence & Gardens (www.sweethotels.pt/hoteis_residence.php; www.sweethotels.pt/contactos_r.php), and is located a mere 500 meters from the nearest beach of the Atlantic Ocean. The preliminary program includes a welcome session on Friday, 6 September; on 7 September (Saturday): Program about DXing and EDXC, to be confirmed: introduction to the history and recent developments of Portuguese shortwave & medium wave broadcasting, by **Mika Palo** + a talk with Portuguese DXers on the little known DX hobby in Portugal, current EDXC topics, visit to Sottomayor palace and Rádio Foz do Mondego (a local private FM station in Figueira da Foz), Italian DXer **Dario Monferini's** with a slide show about his trip to Peru in 2011 and the EDXC banquet. On 8 September (Sunday): A day tour by bus including a visit to the historical centre of Coimbra, a visit to the transmitter centre of RDP Centro, and a visit to Quinta do Encontro vineyard + a wine museum in Anadia. On 9 September (Monday): After check out from the hotel a departure to Lisbon by bus for a tour in Lisbon with visits to RDP Internacional & Radio Renascença and sightseeing in Lisbon. Preliminary prices (hopefully maximum): Single room per person: 320€; Double room per person: 270€ including accommodation (3 nights) at the conference hotel (aparthotel) Sweet Residence & Gardens, breakfasts at the hotel, welcome cocktail on Friday, visit to Rádio Foz do Mondego on Saturday, banquet dinner with program on Saturday, day tour on Sunday, with lunch and wine tasting on a vineyard and transfer + sightseeing to/in Lisbon on Monday. If you have anything to ask, please, do not hesitate to contact either Mika Palo, the

EDXC 2013 conference coordinator in Portugal (mika.palo@clix.pt), or me (ksk@sdxl.org). More information can be found also on EDXC blog (www.edxcnews.wordpress.com). Kari and **Jan-Mikael Nurmela**, Assistant Secretary General of EDXC look forward to seeing you in Figueira da Foz in September!

Also, the 20th annual Madison-Milwaukee Get-Together will be held later this month on Saturday, August 17, 2013, in Oak Creek (in southern Milwaukee County). This is an all-band event, open to all radio hobbyists of all interests. For more information, contact your hosts, **Tim and Jill Noonan**, at <DXing2@aol.com> or 414-813-7373. I can not make the event this year as we will be touring Eastern Europe while the get-together is happening. Nevertheless, it would be appreciated that those that do attend pen a few lines for **Jerry Lineback's** musings column for all to read. This is a great radio gathering and should not be missed.

Another reminder that the National Radio Club is holding a joint convention with the IRCA, WTFDA and the Minnesota DX Club on 1-4 August 2013 at the Holiday Inn Bloomington South Airport Mall in Minneapolis. Call the Holiday Inn (952-884-8211) to make your reservation using the reservation code "NRC" to obtain the special rate of \$73.00 per night plus tax. Convention registration includes the Saturday night banquet, the Museum of Broadcasting visit and the Friday evening "Pizzafest" at the Museum. The convention registration fee is \$45.00 payable to the National Radio Club (P. O. Box 473251, Aurora, CO 80047-3251). They plan good workshops, technical updates, DX technique sharing, Ultralights, SDRs, plus chatting with attendees.

That's it for this month. Enjoy this month's holiday 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 or send to P. O. Box 1220, Grantham, NH 03753. Next deadline is August 21. Thanks to all contributors.

Hank Michalenka, hjmcpa1@msn.com.

Two unrelated things...could someone please let me borrow the October 2008 issue of the Journal? I misplaced mine on our 30th anniversary trip, and would like to borrow one to copy and return.

On a different note, I am looking for advice for a DXpedition. I have about 40 active NASWA countries I have not logged. All of these are in Africa/Asia and the Pacific, with half being from India to the Pacific Islands. Now that I am a widower and can travel just about anywhere, I'm looking for suggestions. I would bring my new Bonito Radiojet and laptop to DX for a week. I would anticipate the trip to be in November of this year.

I've been thinking New Zealand; possibly even the Cook Islands (the plane stops there on the way to NZ). Both are easy to get to from here. There may be some better locations that our members could advise from experience.

Hank Michalenka, CPA, NASWA member since 1967

Vince Henley, KB6GV, KPC7GV, 4306 Shelby Court, Anacortes, WA 98221.

A few years ago, I found myself traveling westward down I-70 with my wife on our way back from a wedding in New York and I spotted a sign that said "Reynoldsburg." It was near lunchtime so I suggested to my wife that we pull off and find a place to eat. She agreed and then I mentioned to her that Universal Radio was somewhere nearby and that I'd like to visit. This did not get immediate agreement.

"They have cats," I said.

"What do you mean 'they have cats?'" she asked.

I explained that the cats really own Universal Radio and that any people in the place are just kept around to take care of the cats and do the occasional bit of business. She was at least interested.

"You're not going to buy another radio are you?" she asked.

"I'm going to at least look at some," I deflected the query.

"How many radios do you need?" she asked.

This was an important question. I thought about it for a couple of minutes and then came up with the best answer of all time.

"I don't think I can answer that question," I said. "Because, I have no idea how many radios there are."

This answer was not accepted with any good grace, but the lure of the cats won out. We both happen to like cats and she was not disappointed with the experience at Universal. An hour later, I walked out of there with a gently used Eton E1 and a number of other items that had my name written on them. My wife has resigned herself to the occasional increase in the radio population in our home and since our homeowner's association has now given its permission for me to erect some wire antennas, she has also excepted that strange noises will be heard from various speakers from time to time.

I've recently become fascinated with the relatively new concept of "ultra light radio." It's a branch of the listening hobby that uses radios that are no larger than twenty cubic inches, and that cost less than \$100.00. The Grundig G6 and several Tecsun products are small radios that meet those criteria. I also got a chance to drag my old Palomar Loop amplifier and several loop antennas out of storage and experiment with several other MW and LW loops. I purchased a Tecsun PL-380 and was prepared to write it off as so much Chinese junk, a thought that was confirmed by reading the small user's manual written in that peculiar dialect known as "pidgin electroneese." Can't these companies find someone who can decently write the most widely spoken language on the planet? How hard can it be? I'd offer them my services for a fraction of the going rate.

I was surprised. Despite the bad English in the manual, the Tecsun PL-380 is a compact, inexpensive radio that has done so many things exactly right it deserves to be noticed. The radio covers LW 153 to 513 kHz, MW 520 to 1710 kHz, SW 2300 to 21950 kHz and the FM band from 87.5 to 108 MHz. There are 550 memories, six AM bandwidths, a clock, an alarm, a thermometer, a very intelligent display, slow and fast tuning rates and both an "Easy Tuning Mode" (ETM) and an "Auto Tuning Storage" (ATS) mode that work very sensibly. It does not receive CW or SSB, but heck, for its intended purpose, it doesn't need to. The light comes on briefly when you move a control or push any button. The performance is quite good. It's not going to rival a desktop high-end receiver, but it has decent sensitivity across the bands and good performance for its size. The radio comes supplied with a clip-on antenna extension that puts a bit more signal into the front-end. A soft case and ear-buds are also supplied. My Sangean ATS-909X, which cost considerably more, has some similar features, but they do not work nearly as well. The way the Sangean ATS system works makes no logical sense at all compared to the Tecsun, and the Sangean doesn't do ATS on the shortwave bands. The Tecsun stores found stations in memory in logical order, which makes tuning across the stored found stations quite easy.

I've been playing with the Tecsun PL-380 for some months now and I'm finding that it has become my "go-to" radio when I just want to listen to something casually. It's a fun unit with enough features and controls to satisfy a nerd and when coupled with a good loop antenna it becomes an excellent radio for BCB DXing. For serious weak signal work on the SW bands, I'll still use an external antenna and a top-end desktop receiver, but for pure entertainment, the Tecsun PL-380 deserves a good look. I think it might make a very good compact travel radio since the Grundig G6 has been discontinued.

73, and check this radio out if you get a chance. Vince Henley.

Thanks to our contributors. 73 de Jerry Lineback. Thanks to all contributors, 73s from Jerry Lineback.



Easy Listening

Richard D. Cuff • 42 North 37th Street • Allentown, PA 18104 • richard@thecuffs.us

Internet-delivered “shortwave” Radio – an update

While I generally include information on Internet-delivered audio in much of my station highlights, it’s been suggested that I step back and take a longer look at Internet-delivered radio and its state of affairs in 2013.

Observation #1: Smartphones rule

While I haven’t researched the details, I think it’s a safe bet that most listening to Internet radio is done via smartphones today. Why? They’re portable, and broadcasters (“stations” in the old way of thinking) have created apps (little programs) optimized for these devices.

The portability of smartphones erases what had been the greatest deficiency when Internet audio first became relevant some 15 years ago, when PCs were largely tethered to phone lines or high speed cabled connections (if you chose to spend the money). Most of the USA’s cellular network is fast enough (“3G”) to accommodate streaming audio, which is handy when you’re not connected to the Internet via a WiFi connection. Most at-home listening can happen without consuming your data plan, and many public places offer free WiFi.

You don’t even need an expensive monthly phone plan to take advantage of smartphones as Internet radios; there are prepaid cell plans that offer smartphones for purchase for less than \$100. Even if you don’t continue a prepaid contract beyond the first month, you can still connect to the Internet on these smartphones via a WiFi connection. *Cricket* and *Straight Talk* prepaid wireless services work this way – you can buy the phone and a month’s worth of connectivity; even if you don’t renew

the phone contract, you can still use those functions that work over a wifi connection.

If your only connection to the Internet is via a smartphone, you’ll likely want a service plan that provides unlimited data consumption. Many cellphone plans have a 2 gigabyte (GB) monthly allotment, beyond which the meter runs pretty fast. That can equate to as little as 33 hours of listening, though many international broadcasters (like the BBC) tend to offer lower-bandwidth streams that would allow you to listen for 130 hours per month within that 2 GB ceiling. More on this alternative for Internet access a bit later in the column.

A smartphone might still make sense even if you don’t travel much...because it still represents a way to buy a device capable of Internet audio for <\$100.

Plug-in “Internet Radios” still exist, and they’re less expensive than before, but they also have become harder to find in stores. Universal Radio offers them, with the C. Crane “CC Wifi” radio selling for \$120, roughly half of what it cost when it first came out!

Observation #2: Broadcasters switching to Flash-encoded audio, which can make it tougher to move audio between devices

If you prefer the “radio-like” approach of listening to live broadcasting, this is of no concern...but if you like to listen to specific programs, in some instances the broadcasters don’t make all of their individual programs available for download, but with some workarounds this can be done. The workarounds are easiest if audio is encoded in the universally playable MP3 format, and some broadcasters – the BBC World Service, for one – don’t always do this nowadays.

My favorite software program for this is *Replay A/V*, from a company named *Applian Technologies*. Its forte is unattended timer recording, just like we all used to do with our VCRs. You can build an unlimited directory of stations and start/stop times; it's most helpful when you can suss out the specific web address ("URL") a station uses for an audio stream, and some broadcasters make that task easier than others. The BBC World Service, for one, took me a few minutes to sort out the other day; stations will update this web addresses in the "behind-the-scenes" aspects of their website software programming, and that won't be intuitively obvious when you're browsing that website.

The problem with this is that *Replay A/V* can't handle the Flash audio format on its own; helpfully, many stations offer the traditional MP3 format as an option, in part because Smartphones don't handle Flash-encoded audio either. However the availability of MP3 audio isn't always well published.

This generally isn't a deal-breaker; zap me a note if you'd like some specific suggestions germane to your listening preferences.

The BBC, CBC, and Australia's ABC all fall into this camp, but all offer MP3 alternatives if you know where to look.

Observation #3: There are few printed resources analogous to either *The World Radio / TV Handbook* or *Passport to World Band Radio*

Actually, the best printed resource out there that's designed for traditional shortwave enthusiasts is produced by NASWA's own John Figliozzi, the *Worldwide Listening Guide*. John has taken the programming guide originally developed for shortwave listening and has adapted it for the variety of listening choices available, particularly Internet (web radio) listening. John's website for the book is <http://www.wwlgonline.com/>.

This book is the best, in part, because it's written from the perspective of a shortwave

enthusiast whose goal is to hear programming from other countries and formats. The 5th Edition of the Guide was published in 2012, and remains quite accurate when it comes to program lineups and air times. John includes useful material regarding Internet radios themselves, satellite radio, and local relays. John is working on an update now, but that should not stop you from grabbing the 5th edition if you have no other printed resource available.

Universal Radio stocks the book, and Fred Osterman has long been a supporter of John's efforts. You can also get the book from C. Crane, Ham Radio Outlet, Amazon.com, and the W5YI group, whose link is available from the book website listed above.

Observation #4: There are increased choices for Internet access nowadays, so it pays to learn your options.

For most folks, Internet service delivered by your cable TV provider is probably the best choice for most, because it's plenty fast enough for Internet radio, and because you can generally bundle this service with your cable TV service and your land line telephone. Obviously this makes sense if you already have one or more computers at home that stay connected to the Internet. However, cable TV – delivered Internet may not be an option if you are in a rural setting.

Digital Subscriber Line ("DSL") Internet access can be a worthy option for many folks looking for a less-costly option, or who don't use cable TV. DSL service is delivered over your phone land line; it tends to be at a slower speed than cable-provided Internet, but is fast enough for Internet audio. It is generally a few dollars per month cheaper than cable-provided Internet. However, if you live more than a specified distance from the phone exchange equipment that serves you, it may not be an option. Check with your local phone company if you're interested.

Folks who live on flat terrain in rural communities might be able to take advantage of technology that provides an Internet

signal wirelessly, with a transmitter mounted on a grain elevator or other structure capable of line-of-sight reception. That method will also use your land line phone for the "return trip" part of your Internet connection, the data that your PC sends to navigate to specific web sites and interact with them. There are other services that use satellite-delivered connectivity, which means you can bundle satellite TV and your internet access.

With mobile phone networks continuing to boost speed with "3G" and "4G" technologies, this may be your best alternative. Your Internet connection then piggybacks on your cell phone connection. The biggest downfall for most providers is that you are charged by the amount of data you consume each month, and it's possible to exceed that allowance and pay through the nose for any overages. T-Mobile does not have a specific cap but will slow down your Internet connection speed if you exceed your specified allowance. That slowdown should not be noticeable for Internet audio usage, though, but you'd surely notice it if you get hooked on YouTube videos.

Observation #5: Some website are particularly useful resources

Nowadays the *Tunein* website and smartphone app is probably the handiest tool for listening to live audio, because it can access the web audio from a vast number of broadcasters and doesn't require you to navigate each broadcaster's individual website looking for the right button. You can search by broadcaster name, location, and even program title; the *Tunein* database even includes a reasonably current program schedule for what's on right now, particularly helpful when a broadcaster offers live audio across multiple time zones, like Canada's CBC or NPR programming in the USA.

The Smartphone app is written for Apple, Android, Blackberry, and Windows based operating systems, and that covers most device types out there.

Tunein is the name for old website *RadioTime*, fyi.

There are other online directors of programming schedules that I use from time to time; one is called *Public Radio Fan* and, before *Tunein* became available, was a favorite resource. This website will list all air times for a program of interest, so you can see at a glance when your favorite airs, or if there's an on-demand option available. Knowing the schedule in advance can then help you use Internet audio recording software (the *Replay A/V* software mentioned earlier) to its best advantage.

A company called *Reciva* originally developed the programming interface used by dedicated Internet radios such as the CC Wifi radio mentioned earlier. They maintain an online, searchable directory of stations, but my experience is that this directory is not as well curated as the *Tunein* directory - there are duplications and dead links that can frustrate the user experience. Their website is <http://www.reciva.com>.

I'll stop there for this month. There is a lot more available on each of these topics than I've included here; you can use your favorite search engine to learn more about them, and you're welcome to send me a note if there is a specific question you have, or if you're considering your options and want an opinion specific to your situation.

Hope August brings you good listening on your shortwave radio, Internet radio, Smartphone, or however you listen!

73 DE Richard



For faster service with membership dues payments, address changes, or missing bulletins, send all information to NASWA, 45 Wildflower Road, Levittown, PA 19057-3209. The e-mail address for these matters is billoliver@verizon.net.

International Broadcasting

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

Dueling global audience estimates

Coincidentally, or not, the U.S. Broadcasting Board of Governors and BBC Global News both released their worldwide estimates on June 25th.

Broadcasting Board of Governors press release, 25 June 2013: "While the official 2013 BBG Global Audience Estimate won't be in for a few months, current tracking shows a strong audience increase – fueled by growth at VOA's Latin America Division. Midyear tracking of the BBG's global audience shows its broadcasters collectively reaching 203 million people weekly, representing a 16% climb from official 2012 numbers released in November. ... Increases in several Middle Eastern countries are part of the increase, but the bulk thus far is coming from Latin America, where VOA's Lat Am Division has undergone exponential growth — adding some 23 million new viewers and listeners after adjusting its strategy." Much of the growth can actually be attributed to one television network in Mexico.

BBC World Service press release, 25 June 2013: "New figures released today show the BBC's global news services reach 256m people each week, the biggest ever audience. These figures, for the year 2012/13, represent an increase of 16.6 million people, or 7%, on the previous year. The World Service now has a record weekly audience of 192m people. The Global Audience Estimate (GAE) measures the combined reach of the BBC's international services - BBC World Service, BBC World News and bbc.com/news - across the world. There has been significant growth in audiences for BBC digital sites, which now reach 38m people every week, an increase of 8m. World Service TV audiences for Persian and Arabic have also grown rapidly, with a total of 41.5m viewers, compared to 28.7m last year. These growth areas are bringing in younger audiences."

The Telegraph, 25 June 2013, Neil Midgley: "These buoyant figures come despite ongoing cuts from the Foreign and Commonwealth Office, which currently funds the World Service. Just two weeks ago, the FCO announced a budget cut of £1.7million – which Horrocks described drily as 'the fourth "one-off" funding cut in four years.'"

Kim: The BBG audience of 203 million comes at the cost of its \$720 million budget for FY2013. Compare this to BBC Global's 256 million for its 2013 budget of \$352 million. (BBC World News and BBC.com are, at least in theory, self-funding and even profit-making, so the BBC World Service budget is used here.) BBC Global pays about \$1.40 per audience member, BBG about \$3.50.

This shows that the BBG must attend to its own efficiency before it asks for more money, which is not likely to be forthcoming, in any case. There are two reasons for BBC Global's greater efficiency. One is that it is a single, unified multimedia effort. USIB consists of multiple entities, with overlap in 26 languages. Second, BBC Global is militant about guarding its independence, and clear about its news mission. The BBG is more ambiguous about its news function, and its mission statement does not even mention news.

The apple and the orange

In comparing audience sizes, it could be pointed out that USIB, unlike BBC Global, does not broadcast to North America, so subtract about 40 million from the BBC estimate. (But now that the domestic dissemination prohibition has been lifted, the BBG will probably begin to count its internet metrics from the USA, so this convenient deduction may no longer be available.) Also, subtract the BBC's 2.4 million in Australia/Pacific and 12.7 million in Western Europe, two other places outside of the USIB coverage area. And, finally, the BBC World News audience of about 26 million could also be

subtracted, because USIB has no global English-language television news channel. By tying these four arms behind the BBC's back, USIB can claim that its audience is larger in the target countries and in the media it shares with BBC Global.

The contrast in funding levels, however, remains. USIB has the advantage of double the budget. Another important advantage for USIB is that BBC World Service was late in placing non-English content on television stations in its target countries. This is because Parliament, until a few years ago, restricted the BBCWS budget to radio, with international television ventures required (impossibly in most languages) to be self-funding.

Many people think that BBC World Service gets all sorts of free services and resources from the parent domestic BBC, thus allowing it to compete successfully with a smaller budget. Actually, a strict fair trading requirement at BBC means that World Service, still funded by the Foreign Office, must pay the domestic BBC, funded by the license fee, for any services. Next year, when the BBC World Service budget also comes from the license fee, and with the BBC domestic and international newsrooms more closely combined, it may become more difficult to isolate the BBC World Service budget figure from that of the rest of the BBC. The synergies that BBC achieves by combining its international and domestic news operations should not be used as an excuse by the BBG, but as a lesson.

A crude measure

The global estimate is a crude measure. It is the amalgamation of samples, many of which are far from perfect due to the difficult nature of survey research in many countries. Changes in the global estimate from year to year are often likely to be due to new samples which may or may not be better than the samples they replace. In some target countries, survey research is not possible at all.

Also, USIB's 203 million and BBC's 256 million are not very large as a percentage of the world's adult population. They had

better make up in quality what they lack in quantity. A much more important measure is what percent of elites in individual countries are listening to/viewing/reading the international broadcaster's content. A benchmark might be to reach at least ten percent of the ten percent highest educated at least once a week. Any preoccupation with the global audience estimate might tempt international broadcasters to concentrate on countries with large populations. But small countries are also capable of mischief and should not be ignored in international broadcasting strategies.

Finally, VOA's Latin American strategy is dicey. The International Broadcasting Act of 1994 stipulates that US government funded international broadcasting should not compete with US private sector international broadcasting. CNN en Español is rather successful throughout the Hemisphere, and at no cost to the US taxpayers. VOA can add substantially to the BBG global estimate by securing good television affiliates in Latin America. On the other hand, VOA's role in Latin America vis-à-vis that of CNN en Español needs to be discussed.

The Guardian, 25 June 2013, Josh Halliday: "The BBC's aim to broadcast in North Korea for the first time has been curbed by government cuts to its budget, the corporation's director of global news has said. Peter Horrocks said airing programmes in the secretive state is still on his 'wish list' but is unlikely to happen in the next year, following the £2.2m annual budget cut announced by William Hague earlier this month. ... The prospect of the BBC broadcasting in North Korea was briefly examined by MPs in an all-party parliamentary group earlier this year. Lord Alton, the crossbench peer who chairs the group, last year claimed to have held 'very positive' discussions with officials in Washington about the plans." Despite the fact that VOA and Radio Free Asia are already broadcasting to North Korea in Korean.

Views expressed above are my own. More international broadcasting news at www.kimandrewelliott.com.



Shortwave Center

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Here's a nice mix for summer reading. Hope yours is going "swimmingly". DX season is right around the corner!

Farewell Ekala

by Stig Hartvig Nielsen

(British DX Club Communication Magazine, July 2013)

Friday 31st May 2013 saw the end of Ekala. This was the last day on which the Sri Lanka Broadcasting Corporation (SLBC) could be heard over the famous, historical shortwave

station in Ekala. It was a well-known station among short wave enthusiasts for decades.

The closure came as no great surprise. When I visited the station, located just north of Sri Lanka's capital Colombo, in February, it was clear that the station's days were numbered. At that time there were talks about a closure on 31st March, but it wasn't until two months later that the final transmission from Ekala was aired. Although broadcasting via Ekala has ceased, the short wave transmissions of SLBC continue - now via Trincomalee in northeastern Sri Lanka instead. Unlike, for instance Sackville, there are no immediate plans for the station in Ekala to be dismantled.

The History

Sri Lanka - or as it was previously known til 1972, Ceylon - was one of the first countries in the world to use radio, and supposedly the first country in Asia to do so. The first experimental broadcasts were aired in 1923, and in 1925 regular programs commenced - initially with a 250 Watt transmitter under the name of Radio Colombo. In 1930 the station got a new 2 kilowatt medium wave transmitter - some years later, 5 kW, and during 1934 the first experimental short wave broadcasts materialized. The aim was to reach listeners outside the capital Colombo.

During World War II all broadcasting was taken over by the Allied Forces under the name of Radio SEAC (South East Asia Command) and short wave was introduced on a larger scale. The station in Ekala was built, and the strong signals from Radio SEAC played an important role from 1944.

The construction of the station commenced as early as 1941, but was delayed by the fact that the Germans managed to sink the boat from England carrying the first 100 kW Marconi transmitter, which ended up on the ocean floor. So it wasn't until the end of 1943 that broadcasting first began with some 18-20 hours of broadcasting daily on 15120 kHz.

Following the war - in 1949 - the Radio SEAC facilities, consisting of studios and the transmitters in Ekala (two Marconi short wave transmitters at 7½ and 100 kW), were transferred to the local government and thus back to Radio Ceylon. Some years later three 25 kW transmitters were installed. These transmitters were used for covering the entire country with broadcasts in the three languages of Sri Lanka: Sinhala, Tamil and English.

In 1950 'The English Commercial Service' was launched, and this was a huge success in the 1950s and 1960s across South Asia. In particular there were a lot of listeners in India.

In 1953 the USA achieved permission to build a Voice of America relay station in Seeduwa - not far from Ekala. Later - in 1996 - the Americans constructed a new powerful station in the fishing village of Iranawila, 150 km north of Colombo despite massive opposition from local residents in the small village. Today, the station consists of two 500 kW transmitters and six 250 kW transmitters. In addition to broadcasts from Voice of America the facility is used to broadcast programs such as Radio Ashna, Radio Azadi, Radio Farda, Radio Free Asia, Radio Liberty and Radio Sawa, all parts of the U.S. psychological warfare aimed at Afghanistan, Pakistan, Iran, several other Asian countries as well as the Arabic-speaking countries.

In 1959 Radio Ceylon took a new 10 kW medium wave transmitter into use, thanks to help from West Germany. By the end of the 1960s a number of new medium wave stations in various parts of the island were installed. In the late 1970s, they were supplemented or replaced by new FM transmitters. In 1967 the name 'Radio Ceylon' was changed into 'Ceylon Broadcasting Corporation', and in 1972 - when Ceylon officially changed its name to Sri Lanka - the name of the radio station was changed again - it became the Sri Lanka Broadcasting Corporation (SLBC), a name which remains today. In 1983, Sri Lanka's first community radio station - Mahaweli Community Radio - took to the airwaves thanks to donations from Denmark. One of the objectives was teaching the local farmers modern farming methods.

Round about the same time West Germany succeeded in getting a permission to build a huge relay station in Trincomalee for the external service known as Deutsche Welle (DW). Initially two high power SW transmitters at 300 and a 250 kW were installed as well as a 600 kW medium wave transmitter. The relay station was opened in 1984. Later the row of transmitters included four 300 kW shortwave transmitters in addition to the high power medium wave transmitter. In November 2011 DW's relay station

in Trincomalee was handed over to the Sri Lankan government. This happened because DW dropped virtually all broadcasts on short wave.

In 1992 a close collaboration with Japan began. It included delivery of new studio equipment, OB equipment and FM transmitters to SLBC. And the Japanese also delivered a number of short wave transmitters to Ekala: Three new 10 kW transmitters to be used for the SLBC Domestic Service and two new 300 kW short wave transmitters that were used to relay broadcasts from NHK Radio Japan. In 2012 NHK ceased all transmissions via Ekala, and the two 300 kW were handed over to Sri Lanka.

Most Transmitters at Ekala in Poor Condition

It isn't hard to find the Ekala short wave station - located approx. 20 km. north of Colombo on yet another very hot day in Sri Lanka during my journey to South Asia in February 2013. Admittedly the easy finding of Ekala is due to the well-known - and only - DXer in Sri Lanka, Victor Goonetilleke, who directs us. For ages he has followed developments in the short wave world and of course also in Ekala and this is by no means his first visit there.

The station is located relatively close to built-up areas. It consists of three very large main buildings and a few fields with a lot of aeriels. It's really not modern and some of the transmitters - most of which do not work anymore - are in quite poor condition. But it is a friendly team of engineers who welcome us at the station, and they willingly tell us everything about the station - its facilities and its history - and show us around. The staff realise that the station is living on borrowed time. Victor Goonetilleke is of the opinion that it is important that the station is not just being completely dismantled. He suggests that some of the transmitters and aeriels are being preserved and that Ekala should be turned into a museum, so future generations can see and

learn about how short wave once played a major role in international communications.

But the chances of that happening are slim. Goonetilleke adds that already several companies have expressed interest in buying the large area on which the station is located. And in these materialistic days it is very likely that the land will be sold and that the transmitters will all be scrapped as scrap or electronic scrap.

Until the closure only three transmitters were in working condition: Two 10 kW and one 35 kW transmitters. One of the three, however, had rather poor audio.

All the transmitters which Japan donated to Sri Lanka in the early 1990s are out of service. The four 10 kW transmitters used for the Home Service are very unlikely to be usable again, says a technician I talk to. The two large 300 kW transmitters however are in good condition. They had been in operation until mid-2012. These two major transmitters, however, lack tubes and it remains such a huge expense (2 x US\$50,000), that the purchase of these tubes has been postponed several times.

The aerials at Ekala consist of three set ups: An old aerial directed towards India, a new aerial which can be used for both India and the Middle East and also an old aerial aimed at the Far East. Only the latter doesn't work anymore.

Trinco is Better

The old Deutsche Welle relay station in Trincomalee - often abbreviated to Trinco - from the mid-1980s - is in good condition, and there are several reasons why SLBC has chosen to broadcast from here instead of Ekala.

Trinco is located in north-eastern Sri Lanka, where an intense civil war between the Sri Lankan government and the Tamil rebels from the LTTE was fought for some 30 years.

The civil war meant that DW could not get its electricity from the normal power grid. Instead, delivery of diesel fuel was made to some giant diesel generators. DW had an agreement with both the Sri Lankan army as well as the Tamil forces which ensured DW's station was spared and left in peace, and stopped any attacks on the transportation of diesel fuel on the 12km dirt road from the nearest port to the relay station. This agreement was observed by both sides during all of the war. The civil war ended three years ago, and the area in north-eastern Sri Lanka is now getting standard power supply established. A connection to the grid will make it much cheaper to operate the station, and in February 2013 it was expected that the connection would come into place in March 2013. Diesel generators were an expensive and a cumbersome solution. It is due to this fact that the SLBC has refrained from relocating from Ekala to Trinco a lot earlier.

As from the end of May all of SLBC's international broadcasts have been moved. This has meant that instead of using three frequencies at a time - now only one frequency is used at a time. But with much higher output power than in the past - namely 125 kW compared to the previous 10-35 kW.

SLBC via Trincomalee as of June 2013:

0115-0330 UTC: 11905 kHz in Hindi (+sponsored prgs in Bengali/Tamil/English)

[0215-0330 UTC: 9770 kHz in English: All Asia Service - discontinued in mid June]

1115-1215 UTC: 9720 kHz in Hindi and other Indian languages

1630-1830 UTC: 11750 kHz in Sinhala and Tamil

All transmissions are beamed at 345° with 125 kW.

Trends in tropical bands broadcasting 2013

by Anker Petersen, editor of the Domestic Broadcasting Survey

Since DSWCI published its first Tropical Bands Survey in 1973, I have registered

which stations are active, based upon loggings from our members and other DXers around the world. Here is an updated status. Clandestine and Pirate stations are not included.

Active domestic transmitters on 2200 – 5800 kHz

Region	1973	1985	1997	2009	2013
Central Africa	102	76	40	18	7
Southern Africa	57	39	33	20	12
Middle East	9	4	1	0	0
Indian Subcontinent	62	45	45	29	26
South East Asia	40	29	21	4	1
Indonesia	171	105	65	13	5
China, Taiwan, Mongolia	119	110	75	32	23
CIS (former USSR)	61	59	47	7	5
Far East	38	28	28	9	8
Papua New Guinea	17	20	20	15	12
Australia and other Pacific	10	4	13	8	10
Central America, Mexico	21	23	24	5	3
Caribbean	29	3	3	2	1
Northwestern South America	98	41	19	3	2
Ecuador	47	33	22	5	4
Peru	78	69	78	28	15
Bolivia	35	42	25	14	8
Brazil	107	87	67	35	33
Southern South America	5	2	1	0	0
Total	1106	819	627	247	175

During the past year the previous trend, that Tropical stations slowly disappear, continued throughout the world. The reason is, that other media get higher priority, than keeping elderly Shortwave transmitters

alive. There is a big fall in the total number from 200 last year to 175 this year. But to continue this constantly falling trend, maybe already in year 2020, most of the stations will have left the tropical bands!

These stations on the Tropical Bands have closed down during year 2012-2013:

kHz	kW	Station	Country	Last log
3280	15	Voice of Pujiang, Shanghai	China	PR13
3390	1	R ICDI, Boali	Central African Republic	MAR12
3995	5	RRI Kendari, Sulawesi Tenggara	Indonesia	MAY12
4885	1	R Maria, Anápolis, GO	Brazil	MAR12
4890	100	NBC, National R, Port Moresby	Papua New Guinea	JUL12
4910	100	R Nasion Malagasy, Ambohidrano	Madagascar	FEB12
4950	15	Voice of Pujiang, Shanghai	China	APR13
4965	100	One Africa R-CVC, Makeni Ranch	Zambia	JUL12
4974,8	1	R A Nossa Voz, Osasco, SP	Brazil	APR12
4990	10	Hunan PBS, Changsha, Hunan	China	JAN12
5045	0,25	R Guarujá Paulista, Guarujá, SP	Brazil	MAY12
5075	15	Voice of Pujiang, Shanghai	China	APR13
5240	50	Xizang PBS, Lhasa, Tibet	China	JAN12
5446,5	8	AFRTS, Saddlebunch Keys, FL	U.S.A.	AUG12
5770	10	Defence Forces BC, Taunggyi	Myanmar	MAR12

Finding inBand HF Frequencies for Shortwave Broadcasters; Harder than ever and the Rationales

Presented at the NASB 2013 Annual Meeting May 2013

Birmingham, Alabama, USA

Dr. Jerry Plummer

Overview

Even with the recent reduction in broadcast hours by several European government HF stations, frequencies remain hard to come by for frequency managers. The presentation will discuss this phenomenon and investigate rationales. Frequency allocation and management are based on the global standard HFCC database entries. The decline in overall broadcast hours is primarily a European activity, with the exception of domestically based WYFR, and is paralleled by the economic woes of the EU beginning 2007-2008.

Total Frequency Usage Globally

That said, the total number of used frequencies from 2007 to 2013 declined by approximately 1100, or 17% at maximum,

and regularly varied between 9 and 12% during the latter segment of this time frame. One would think that this total frequency reduction would allow for more open frequencies for HF frequency managers globally, yet this generally does not appear to be the case. How could this be?

The First of Two Possible Answers

One must first look at the frequency occupation between in band and out of band (OOB) usages. Of course, in band frequencies are more desirable, given their protection from the varied non-broadcaster segments using OOB regularly. These segments include most governmental broadcast global usages, such as military, aeronautical and oceanic, police, MARS and a host of other lesser known governmental usages none of which are detailed publicly for a variety of reasons. While it is true that discovery and usage of an OOB frequency clear of any of the above is akin to finding a "clear channel", it always remains a possibility that at any time, one of the above noted agencies will inform the

broadcaster via their governmental regulatory agency to remove themselves from that frequency with immediate dispatch.

WWCR, for example, has fallen prey several times since 2009 to this conundrum, being forced to move immediately to another frequency. The impacts to bottom line profit are substantial and given the recent movement from not for profit (governmental) broadcasters to the for profit sector exacerbates the need for in band frequency procurement.

It appears that a substantial portion of the overall reduction in frequencies allocated involves OOB usage. Although specific research into the percentage movement is unavailable, most frequency managers globally will agree to this posture, and it is logical that movement to the inband frequencies would occur, given the above noted pitfalls to OOB usage.

The Second Possibility

The secondary issue regarding inabilities to move inward to the inband frequencies involves time allocation to a specific and particular in band frequency. Many HF broadcasters, both governmental and for profit, employ short time bursts for programming, typically in varied specific languages. It is not unusual to see frequency shifts from one frequency to another in fifteen minute increments, aiming at a different language/population in a different location. For the broadcaster looking for longer time usage of a specific frequency (as with many for profit broadcasters such as WWCR), this makes frequency location and implementation much more difficult. These type of broadcasters tend to look for fewer overall frequencies in order to develop listener growth via minimization the listener will be less confused about which specific frequency the broadcaster uses if there are fewer to remember. Many not for profit broadcasters will give away shortwave radios with only their specific frequencies programmed, so the above minimization is not an issue, but with for profit broadcasters with varying paid clients this is an extreme issue.

Other non-Considered Possibilities

There has been, and will always be “wooden frequencies”, that is, frequencies allocated to a particular broadcaster that are not actually in use. It is estimated that this percentage wooden has, and will remain the approximate same, expressed as an overall percentage. Much of this percentage will involve inband frequencies, it is estimated, and is outside the scope of this presentation.

In addition, there are frequencies in use by non-HFCC members, such as Cuba, Taiwan and North Korea that are not in the HFCC database, but still there and broadcasting. There are also jamming frequencies in use by several governments globally to block frequencies/broadcasters aiming into those countries. This has been, and will continue to be, a detriment to frequency management of inband frequencies, but as with the wooden frequencies was and is a continuing issue that is considered to be outside the scope of this presentation.

General Summary

The overall reduction in total frequency occupation since the European broadcaster demise beginning in 2007-2008 has done little to afford more inband frequencies available for the remaining international broadcasters.

This is probably due to two functions, a general movement to occupy newly available inband frequencies at the expense of movement from OOB, and the noted inband movement to include short-time frames of frequency usage.

Given that no models exist in this area, it is presumptuous to assume that continued reduction in overall frequency usage (if it continues which is somewhat doubtful) will possibly yield more longer hour, inband usage for existent HF broadcasters. More research needs to be done in this area, in order to delineate possible remedies.

Adrian Peterson's Diary

Chicago on Shortwave: The Ten Year Story of the NBC Shortwave Station W9XF

The city of Chicago, located on the western edge of the Great Lakes, is one of the oldest cities in the United States, and also one of the largest. Its earliest history can be traced back to the first settler, Jean Baptiste Point du Sable, who came in from New Orleans and established a fur trading post on the north bank of the Chicago River, at the edge of Lake Michigan. That was back in the 1770s.

Greater Chicagoland, that is the city of Chicago together with all of its wide spread suburban areas, extends almost 50 miles inland from the lake, and northwards up into Wisconsin, and in the south east down into Indiana. Greater Chicago is the third largest city in the United States, with a total population around 10 million.

The city was named after the original Indian word for the Chicago River, Checagou. This name, with its French spelling, appears to honor the wild garlic plant that used to grow in the area. Interestingly, during the year 1900, engineers reversed the flow of the Chicago River so that the lake would not be contaminated by inflowing water.

The city of Chicago is famous for its re-birth after the tragic fire in 1871 that destroyed much of the city; and for the grandeur of its tall towers that almost seem to rival New York City. Another claim to fame is the Chicago Post Office, the world's largest post office building, through which a main highway runs, the Eisenhower Expressway.

Not so well known is the fact that Chicago featured prominently in the early days of shortwave broadcasting back in the era before World War 2. The total number of shortwave stations on the air at one time or another in Chicagoland would probably be in excess of fifty, though most of these stations were in use for communication

purposes, experimental TV, or the old Apex System of program broadcasting. However, sufficient evidence exists for us to presume that a dozen or so of these shortwave stations were actually on the air during the pre-war years with the broadcast of radio programming, music and speech.

Back there in that era, just two of the Chicago shortwave broadcasting stations stand out prominently, and these were identified as W9XAA in association with mediumwave WCFL; and the NBC station W9XF. On this occasion, we choose the story of the NBC shortwave station W9XF, together with its associated mediumwave NBC stations in Chicago during that era.

It was back on June 1, 1927, that Samuel Insull owner of the Great Lakes Broadcasting Company, bought the highly popular mediumwave station WENR from E. N. Rauland, owner of the All-American Radio Corp, both in Chicago. This sale was finalized on April 17, 1928 with the transfer of \$1.5 million.

However, even before the finalization of the sale, Great Lakes Broadcasting applied to the Department of Commerce for a license to operate a Special Land Station on 1040 kHz under the callsign 9XF. Planning also began quite quickly for a complete new broadcasting station at an outer suburban location in Downer's Grove, a facility that would include offices, studios and several transmitters.

This brand new radio station came into service just before mid year 1929, and at the same time, the Department of Commerce approved an extension of the 9XF license to include three shortwave channels, 6020 kHz, 11800 kHz & 21500 kHz, all of which fell into what later became the standard international shortwave bands.

Known transmitters at this new location at this time were a 50 kW AM mediumwave unit for WENR, and a 5 kW shortwave unit for W9XF. It is probable that the same shortwave transmitter was also in use for experimental mechanical television under the callsign W9XR.

The first known logging of the new shortwave W9XF was noted in Australia in August of the following year (1930) on 6120 kHz with a program relay from mediumwave WENR. At this stage, WENR was also operating its on air studios in the electrical generating plant of Commonwealth Edison at 72 West Adams Street near downtown Chicago.

However, a few months later, Great Lakes Broadcasting sold their radio and TV facilities, including the Downer's Grove station, to the rather new National Broadcasting Company, NBC in New York. When NBC took over, they stated that the shortwave broadcasts from W9XF would continue (with programming from the Blue network), though they did close the mechanical TV service from W9XR.

Studios for the new NBC in Chicago were installed in the Merchandise Mart, which boasted as being the world's largest building at the time. Programming produced in this building was broadcast over several different transmitters, including mediumwave WENR & WMAQ, and shortwave W9XF.

Interestingly, an additional callsign was taken into usage for W9XF in 1933, and this was W9XQ. Both callsigns were in use on the same channel, 6100 kHz, at the same power level 5 kW, and it could be presumed that a second shortwave transmitter had been installed.

It is suggested that the power level of the second transmitter (or perhaps the two transmitters combined?) was raised to 10 kW during the following year and that this unit became the main transmitter for W9XF with programming from WENR-NBC Blue Network. At this stage, an additional shortwave service was commenced from Downer's Grove on 6425 kHz under the callsign W9XBS with programming from mediumwave station WMAQ, the NBC Red Network. This short-

wave service from W9XBS was on the air for a couple of years, though the callsign was later taken into use for an Apex broadcast service in 1939.

In 1937, NBC lodged a request with the FCC for approval to install a 50 kW shortwave transmitter, though this request was denied. We would presume that the reason for this dismissal was the fact that NBC was already involved with a large shortwave station located at Bound Brook, New Jersey.

The programming from WENR-WMAQ over the shortwave outlet W9XF was on the air for a period of time approaching ten years and it was heard throughout the United States, as well as in Europe, South America, and the South Pacific. It is known that the programming from shortwave station W9XF was occasionally re-broadcast live by radio stations in New Zealand & Australia.

For example, in April 1932, the American radio magazine Broadcast News stated that the NZBS, New Zealand Broadcasting Service, "has had remarkably good results in re-broadcasting signals from this station." This was at a time when the (input?) power of the transmitter was rated at just 5 kW, thus providing, we would suggest, approximately 2.5 kW into the antenna system.

Radio transmitter W9XF was inaugurated in the Downer's Grove station just before mid year 1929. It began as a 5 kW unit (power input), seemingly an additional transmitter rated at 10 kW was installed in 1934, and the shortwave service was closed at the end of the year 1938 when the WENR-WLS transmitters were re-sited to Tinley Park.

The Downer's Grove site was sold during World War 2 for wartime manufacturing, and the manufacturing facility was closed in 1990. All buildings on the 40 acre site were demolished to make way for suburban housing.

There are no known QSL cards verifying the reception of W9XF under Great Lakes Broadcasting, though numerous QSL cards for W9XF were issued by NBC from about 1934 onwards, including the short term usage of the subsidiary callsign W9XQ. 

Listener's Notebook

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Times are UTC and frequencies in kHz.

ANGOLA 4950a, 0522, *Radio Nacional* weak in PP 30/5 on measured 4949.76. Carrier normally evident when 60 metre long path Africans are in, but rare to get proper audio reception. Also heard at 0508 1/6. (Bryan Clark-NZ/DX Times) 4949.748, Radio Nacional de Angola, Mulenvos, Luanda, - from southerly winter condition area. Poor, but Portuguese language of female announcer readable at 0318 on July 11. (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 11)

ARMENIA 4810, *Armenian Public R*, Noratus, Gavar, 1900-1930*, Jun 28, IS, National Anthem, ID: "Yerevan, Huna....", Arabic talks covered by music, local songs at 1915 till end of transmission, strong signal, good reception, 44444. (Dritsas-Greece/DX Window)

AUSTRALIA 5025.00, *2130-2145, 10.07, *VL8K*, Katherine, NT English world news with reports, sports and weather 45333 // 4835 (45333) which at 2140 separated with a local programme, beginning with ID: "...Alice Springs..." (Anker Petersen-Denmark/PlayDX)

12080 Very bad mixture of *RA* Brandon 2000-1100 outlet with co-channel *IRIB*'s Arabic sce from Zahedan of 500 kW scheduled 1630-0527, both S=9+5dB on equal level in Brisbane remote post. ... at same time 11860 to 11950 kHz was totally free frequency range ... (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 7)

Radio Australia daily summer schedule update:

1300-1430 on 12085shp (ex 11665) Chinese
1430-1530 on 11835shp (ex 11665) English
2200-2330 on 9610dha (ex 9695) Indonesia
(WRTH Update)

The transmitter in Sydney on 2368.5 has been heard with *R. La Manamea Samoa* (LMS) programming. Their web site is www.radiolms.com.au. (WRTH Update)

Radio Australia suspends its programs in Indonesian and Chinese on shortwave. The last day for

these programs is July 21, 2013. Radio Australia will continue in English to China for a while. (DX Re Mix News, Bulgaria via Dan Ferguson-SC)

AZERBAIJAN An unidentified station probably in Azeri with awful audio and modulation (but not *Voice of Talyshistan*), was observed on Tuesday, July 9: 0900-1300 on 9677.6 (DX Re Mix News, Bulgaria via Dan Ferguson-SC)

9677.8, *Voice of Justice* is back on SW, 1400, Fr Jun 28, Azeri, but horrible modulation, with break of audio. (Ivanov-Bulgaria/DX Window) 9677.8, *Voice of Talyshistan* is back on SW, 1500-1600, We Jun 26, in Talysh to Central Asia, 33433 in Sofia. (Ivanov-Bulgaria/DX Window)

BANGLADESH Summer A-13 schedule of *Bangladesh Betar*:

1230-1300 on 15105 English
1315-1345 on 7250 Nepali
1400-1430 on 15505 Urdu
1515-1545 on 15505 Hindi
1600-1630 on 7250 Arabic
1630-1730 on 7250 Bangla
1745-1900 on 7250 English
1915-2000 on 7250 Bangla
(DX Re Mix News, Bulgaria)

BOLIVIA 6154.92, *R Fides*, La Paz, 2357-2400, Jul 01, ID at 0000, noted as always with strong signal. (Nilsson-Sweden/DX Window)

R. Fides is reported again active on 9625, heard on weekdays. (WRTH Update)

BRAZIL 4754.88, *R Imaculada Conceição*, Campo Grande, MS, 0001, Jul 04, nice ID and then into some religious programme. (Nilsson-Sweden/DX Window)

4865.03, *R Verdes Florestas*, Cruzeiro do Sul, AC, 0005, Jun 27, back again from June 25 after being absent a few days. Also mostly religious programmes all nights. (Nilsson-Sweden/DX Window)

4905, 0434, *Radio Relogio* reactivated, noted 5/5 with pops, sometimes has time pips on the minute.

PP ident 0444, usually covered by RTTY QRM after 0500. (Bryan Clark-NZ/DX Times)

4915, **R Daqui**, Goiânia, usually very strong and pressing down Macapá. Daqui signs off earlier than before sometimes between 2315 and 2359, e.g. on Jul 05. However on Jul 03 heard at 2305-0026, good signal. (Nilsson-Sweden/DX Window)

4925.24, **Radio Educacao Rural de Tefe**, Amazonas state, full data paper QSL and local postcard in '48 days for Portuguese airmail report and mint stamps. V/s. Thomas Schwamborn. (Albert Muick-PA-USA, HCDX June 29/TopNews)

15190, **Radio Inconfidencia**, in 21 months for different reports by post and e-mail. v/s Marco Antonio P. Coelho, Tecnico. (Artur Fernandez Llorella-Spain, HCDX June 29/TopNews)

BULGARIA Frequency change of **Bible Voice Broadcasting** from June 28:

1630-1830 NF 11525 **SOB** Persian, ex15750 1530-1730. (DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 2)

12035.02, **RTR2, R Europa**, Belgium, via Kostinbrod (?), 1913-2001*, Sa Jul 20, German ann, pop songs e.g. by Marvin Gay, ann website: www.rtr2.eu, reactivated station on SW, 55454. Scheduled Jul 20 at 1400-2000 with 25 kW and Jul 21 at 1100-1400 with 50 kW. (Petersen and Scholz/DX Window) Its a station from the German speaking community in Belgium. Nothing new. For some years they had a relay via Jülich or Wertachtal on 49 mB every Sunday. It was closed 2 or 3 years ago. Last SW activity was in Sep 2012 - also via Kostinbrod, Bulgaria. Was a Michael Jackson special. (Liehr). Heard again on Su Jul 21 at *1103:45-1402:18*, late s/on in the middle of a German Schlager, German ann by Reiner Thomas and IDs in German and English, pop songs, e.g. "King of the Road" with Boney M, phone-in from Germany, ann at close: "Kurzweille verbindet Menschen - wir kommen wieder", signal improved from 35232 to 45333 in Denmark, 14321 heard on SDR receiver in University of Twentee. (Koeie and Petersen, Slaen in DXplorer/DX Window)

CANADA 6070, **CFRX**, Toronto is back on shortwave.

CLANDESTINE Voice of Tigers has maybe suspended its broadcasts on shortwave (DX Re Mix News, Bulgaria)

4860, **Voice of Iranian Kurdistan**, via Salah Al-Din, Iraq, *0226, Jul 01, Kurdish, IS, at 0229 Hymn of Kurdistan (same in another version is played at 0303 on 11510), 0232 ID and sermon, jammed (on // 3960 was same procedure, but with more than 2 minutes delay), 44444. (Pankov-Bulgaria/DX Window)

11945, **Hamada Radio International**, non detailed e-letter in 21 months! for e-report via different ways. Answer came from bashir.mabai@gmail.com, v/s Bashir Mabai. (Artur Fernandez Llorella-Spain, HCDX/TopNews)

12105, **Radio Dialogue** via Talata Volondry to Zimbabwe, full detailed e-letter for e-report to radio@radiodialogue.com, v/s Sanele Njini, Online Editor. (Artur Fernandez Llorella-Spain, HCDX/TopNews)

15245, **Voice of Assenna**, via Kostinbrod Bulgaria(?), full detailed e-letter in 1 day for e-report to aseye.asena@googlemail.com. V/s Amanuel Eyasu, Funder and Editor. (Artur Fernandez Llorella-Spain, HCDX) TDP brokered ? wb.

Starting from July 2 **Khmer Post Radio** added 1 more hour of broadcasting (Special election's edition for the whole month of July):

1000-1100 on 9960 HBN Khmer.

Regularly program is 1200-1300 on 9960 HBN Khmer and will continues (DX Re Mix News, Bulgaria via Dan Ferguson-SC)

Salam Watandar (new entry, back from WRTH 2005); W: salamwatandar.com; Summer schedule 2013 in Dari/Pashto to Afghanistan:

0230-0400 daily 11545 Sofia
1330-1500 daily 15615 Sofia
(WRTH Update)

Radio Al-Shoroq in Arabic on Monday, Tuesday and Wednesday:

1600-1700 on 11610 Sofia
(WRTH Update)

ROC office rebuts **Sound of Hope** charges on broadcasting issue, Washington, July 2 (CNA) By Tony Liao and Sofia Wu: The Republic of China's representative office in the United States on Tuesday described as "inaccurate" a radio network's claim

that the office has failed to convey to its home government congressional concerns over a short-wave broadcasting issue. The Falun Gong-affiliated Sound of Hope Radio Network said recently that several U.S. Congress members have expressed concerns about Radio Taiwan International's decision to demolish RTI broadcasting towers in southern Taiwan. The towers have been used in part to send shortwave radio signals to China, including programming that the Falun Gong contracts Radio Taiwan International (RTI) to broadcast, and the group fears that without the towers its exposure in China will be limited. The Sound of Hope charged that Taiwan's representative office, under the leadership of King Pu-tsung, did not seem to have conveyed the congressional concerns to President Ma Ying-jeou or forwarded letters addressed to him on the issue by American lawmakers. "The allegations are not true," the ROC representative office said in a statement. The office has dealt with the issue promptly and faithfully and has conveyed the congressmen's concerns to the Ministry of Foreign Affairs and other related government agencies, the statement said. On June 21, ROC Deputy Representative to the U.S. Jacob Chang also met with Sound of Hope senior executives to listen to their appeals and convened to the Ministry of Foreign Affairs their appeals the same day, the statement said. "It's extremely regrettable that Sound of Hope has run reports without verification," King said in the statement. San Francisco-based Sound of Hope was founded by Falun Gong supporters in 2003. It began leasing time on Radio Taiwan International's shortwave radio network in 2004 to broadcast programs to China. Much of the programming has been broadcast via RTI towers in Tainan and in Huwei, Yunlin County, but the Tainan towers were torn down in June and work on the Huwei site is expected to start in the second half of the year. A resolution passed by Taiwan's Legislature has demanded that the towers on the two sites be completely torn down by the end of 2013. Arrangements have been made for Sound of Hope Radio programs to be broadcast to China in the future via RTI's Danshui and Baozhong facilities, the statement said. The Taiwanese broadcaster has given Sound of Hope assurances that the move will not affect the number of hours it can broadcast through RTI facilities and the services it receives, the statement said. RTI has already briefed U.S. congressional members through the Ministry of Foreign Affairs and Taiwan's representative office in Washington, D.C. on its decision-making process and handling of the case, the statement added.

According to the office, the towers' removal was based on valid reasons and had been planned for a long time. Residents in the vicinity of the Tainan towers have long complained about electromagnetic wave interference and repeatedly pushed for their relocation, and the Huwei towers are being removed to make way for a special high-speed rail zone, the statement said. The decision to demolish the Tainan towers was made in 2004 when the Democratic Progressive Party (DPP) was still in power and the decision to phase out the Huwei station was made in 2011, it said. DPP Legislator Chen Ting-fei, who represents a Tainan constituency, has on many occasions pushed for early removal of the towers to facilitate the city's development, according to the statement. It further said the Tainan station was torn down in late June ahead of schedule mainly because the site was part of a river cleaning and flood-prevention project. (Focus Taiwan News Channel via Zacharias Liangas-Greece/PlayDX)

CONGO (DEM. REP.) 5066.3, *R Tele Candip*, Bunia, 0414, Jul 13, ann in vernacular, male singer with local Afro pop (audio much better with the music), 25332. (Bell-South Africa/DX Window)

CONGO REPUBLIC 6115, *R Congo*, Brazzaville, 1730-1823*, Jul 02, French talks about a local musical festival, Afro music, headlines news at 1802, ID: "Radio Congo", 33333. (Dritsas-Greece/DX Window)

ECUADOR 3379.99, *Centro Radiofónico de Imbabura*, Ibarra, -2326*, Th Jul 18, just a minute before signing off. Very weak, but able to get "... Radio Centro". Also until -0128*, Jul 18 (local We), but then weaker. (Nilsson-Sweden/DX Window) Last heard in Feb 2013. (Ed/DX Window)

ENGLAND BBC WS funding cut to be followed by increase next year. The BBC World Service is to have its funding cut by £2.22m this financial year, the government has announced. BBC Trust chairman Lord Patten called the news "disappointing", though the head of the World service said there would be "no cuts to output". Funding for the World Service will transfer from the Foreign Office to the BBC licence fee from next April. Lord Patten said the BBC would increase the service's funding to £245m in 2014. This figure is £6.5m more than the £238.5m currently being provided by the Foreign and Commonwealth Office. (BBC News website 11 June, Jonathan Kempster and Mike Barraclough-England/BDXC)

ERITREA Shortwave transmitters have been reported off the air recently. (WRTH Update)

ETHIOPIA 6090, *Radio Amhara*, Gedja, 0407+, July 21, Oromo, news by male, announcement and talk by same speaker at 0411 UTC, 24432. (Arnaldo Slaen-Argentina/DXplorer)

FRANCE Summer A-13 schedule of *Radio TV Algerienne*:

0400-0458 on 7295 ISS Arabic Nat. Chaîne 1
0500-0558 on 7295 ISS Arabic Nat. Chaîne 1
0500-0505 on 9535 ISS French news bulletin
0505-0558 on 9535 ISS Arabic Holy Quran px
0600-0605 on 11985 ISS French news bulletin
0605-0658 on 11985 ISS Arabic Holy Quran px
1800-1900 on 13820 ISS Arabic Nat. Chaîne 1
1900-2000 on 11765 ISS Arabic Nat. Chaîne 1
1900-1905 on 13820 ISS French news bulletin
1905-1958 on 13820 ISS Arabic Holy Quran px
2000-2100 on 9375 ISS Arabic Nat. Chaîne 1
2000-2005 on 11765 ISS French news bulletin
2005-2058 on 11765 ISS Arabic Holy Quran px
2100-2200 on 7495 ISS Arabic Nat. Chaîne 1
2100-2105 on 9375 ISS French news bulletin
2105-2158 on 9375 ISS Arabic Holy Quran px
2200-2205 on 7495 ISS French news bulletin
2205-2258 on 7495 ISS Arabic Holy Quran px
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

GERMANY *Shortwave Rock* from July 7:

0900-1000 on 6045 NAU English/Music 1st Sun
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

15785, *Hamburger LokalRadio*, 0601-0650, 14-07, male, English, program about pirate radio stations "Radio North Sea International, "Free Radio", also comments in German. Fair signal 0601-0630 with interference from another station with program in Chinese on the same frequency, till 0630 good signal. 33333. (Méndez-Spain/EDXP)

GREECE Yesterday - on June 27 - *ERT's* employees have received the document for sacking. 2 months will be paid at first: <http://air.news.gr/cov/xarti.jpg>. One employee collapsed after receiving his sacking document (Greek) http://www.newsit.gr/default.php?pname=Article&art_id=217910&catid=6. (Zacharias Liangas-GRC, hcdx June 28/TopNews)

Additional four hours broadcasts of *ERT* from Saturday, June 15

0800-1200 has been cancelled from Saturday, July 6. The new schedule is

0000-0350 on 7475 Greek
0000-0350 on 15650 Greek
0000-0400 on 9420 Greek
0400-0805* on 9420 Greek
0400-0805* on 11645 Greek
0400-0805* on 15630 Greek
1200-1350 on 15630 Greek
1200-1650 on 9935 Greek
1200-1800 on 9420 Greek
1400-1850 on 15650 Greek
1700-2250 on 7450 Greek
1800-2300 on 9420 Greek
1900-2250 on 15630 Greek
2300-2400 on 7475 Greek
2300-2400 on 9420 Greek
2300-2400 on 15650 Greek
*end of broadcasts with news bulletin 0800-0805/0807. (DX Re Mix News, Bulgaria via Dan Ferguson-SC)

GUATEMALA 4055, *Radio Verdad*, Chiquimula, 0540-0606*, 14-07, religious music an comments, male, English, identification in various languages, "Radio Verdad, Chiquimula, Guatemala, Centroamérica", anthem and close down. 14321. (Méndez-Spain/EDXP)

INDIA 4660, *AIR Leh*. During my recent trip to Dehradun, I observed AIR Leh (about 444 kms away) with much better clarity than at my home town Hyderabad (about 1868 kms away). Signals were generally fair to poor. Modulation was much better when songs / music / relays were broadcast, but the modulation was very low when anns were made from studio. On the parallel MW frequency of 1053 kHz the modulation level was observed as OK. (Jacob-India/DX Window)

The following stations are not heard in recent times: *Imphal* on 4775 and 7335. *Guwahati* on 4940, 7280 and 7420. (Jacob-India/DX Window)

INDONESIA 3325, *RRI Palangkaraya*, 1133-1147, Jul 06, talk in Bahasa Indonesia, ID, there was no modulation at 1147(sign off(?)), 33333. (Wagai-Japan/DX Window) Also heard at 1630, Jul 06, female singer with slow romantic pop, female announcer in Bahasa Indonesia taking callers with greeting, chat, 35433. (Bell-South Africa/DX Window) Also heard around 2215, e.g. on Jul 01. It is one of very few Indonesian stations left

on the bands and quite often heard. Weak signal. (Nilsson-Sweden/DX Window)

3344.87, **RRI Ternate**, 1150-1200, Jul 14, the Koran, now in Japan it's easy to hear almost every day, QRM is CW, 33333. (Wagai-Japan/DX Window) Also tentatively heard at 2020, Jul 18 with Muslim prayer. Then into western like music. (Nilsson-Sweden/DX Window)

4749.96 **RRI Makassar**, at 1228 on July 3. Ending the Jakarta new relay with patriotic song "Bagimu Negeri" (For You Our Country); // 3325 RRI Palangkaraya, but not // RRI Ternate. Next month we should start to look for them to switch to the patriotic song "Dirgahayu Indonesiaku" to mark their independence anniversary in August. (Ron Howard-CA-USA, wwdxc BC-DX TopNews July 1/3)

9525.88, **VOI**, they are finally back! June 30 heard at 1303 in English with the news and 1332 reading a listener's reception report; almost fair. (Ron Howard-CA-USA, wwdxc BC-DX TopNews June 30)

IRAN Special broadcasts of **VOIRI/IRIB** from July 9 till August 8, updated:

1930-2327 on 5945 AHW Azeri
2230-0027 on 5990 KAM Tajik
2230-0027 on 9500 SIR Arabic, new
2300-0027 on 7325 SIR Kurdish
2330-0327 on 7405 SIR Azeri
0030-0127 on 9730 SIR Turkish

IRIB is planning to start airing all shortwave broadcasts of Voice of Iran 10 minutes earlier, according to registrations in HFCC database on July 8, e.g.: new times will be xx20-xx17/xx50-xx47, instead of xx30-xx27/xx00-xx57. (DX Re Mix News, Bulgaria via Dan Ferguson-SC)

IRELAND 6295, 2008, **Reflections Europe** w/EE religious features, poor strength 19/5. Followed past 2050. Scheduled Sundays only. (Bryan Clark-NZ/DX Times)

ISRAEL From July 1 no shortwave transmissions of **Kol Israel**:

1400-1500 on 13850v Persian Fri/Sat
1400-1500 on 15760 Persian Fri/Sat
1400-1530 on 13850v Persian Sun-Thu
1400-1530 on 15760 Persian Sun-Thu
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

Kol Israel Persian transmissions on shortwave have been suspended. (WRTH) After 65 years of broadcasting, the station suspended its last shortwave broadcasts in Farsi to Iran at the beginning of July. The longtime shortwave listeners may remember they used to broadcast overseas programs in English, French, Spanish, Portuguese, Georgian, Persian, Hungarian, Romanian, Russian, as well as a home service program in Hebrew and external service in other Jewish languages: Yiddish, Bucharian, Ladino, Mograbit. They also had a DX-Program in English, hosted by Ben Dalfen, aired on Sundays. Their broadcasts in Russian, Hungarian and Georgian were a subject to jamming. (Georgi Bancov-BUL/HCDX via TopNews)

15850.008, ISR army forces radio station **Galei Zahal**, at 0930 July 13, muted S=6 signal into western Europe. Nothing heard on 6885 in Europe. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews July 13)

KUWAIT Summer A-13 SW schedule of **Radio Kuwait**:

0200-0900 5960 Arabic General Service
0500-0900 15515 Arabic General Service
0800-1000 7250 Farsi
0900-1600 11630 Arabic Holy Qur'an Sce
0900-1800 21540 Arabic General Service
1000-1200 21580 Tagalog
1000-1600 9750 Arabic General Service
1600-1800 15540 Urdu
1600-2100 6050 Arabic General Service
1700-2000 13650 Arabic General Service
1800-2100 15540 English
2000-2400 17550 Arabic General Service
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 3)

LAOS 6130, **R Nationale Lao**, Vientiane, 1445, Jun 28, female speaker, possibly French, male singer with high-pitch voice singing local song, co-channel QRM, 32432. (Bell-South Africa/DX Window)

LIBYA Summer A-13 of **Radio Libya**:

1500-2000 on 11600 secret/hidden site Arabic
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

LUXEMBOURG Radio Luxembourg.co.uk has been relaunched as a history/tribute site for the English service: lots of interesting material and photos, with some audio and two videos in the gallery sec-

tion. <http://www.radioluxembourg.co.uk/>. (Mike Barraclough-England/BDXC)

MADAGASCAR 5014.09, Jun 26, 1900, *R Madagaskara* drifting heavily and also with 20-30 Hz jumps around nominal frequency. Finally found an ID from May 26 at 1902 as "R Madagasikar". The piece of recording was sent to Arne Nilsson who also could hear the ID. He played back the recording through PolderbitS where the ID stood out even more clearly. Checked this one again on July 6 from 1815 but no signal at all, not even on 5010 so obviously off. Thanks a lot for your help Arne! (Thomas Nilsson-Sweden/SWBulletin)

MALI 5995, *Radio Mali*, Bamako, 2101-2115, 13-07, songs and comments in Vernacular, male. 24322. (Méndez-Spain/EDXP)

MYANMAR *Thazin R.* Minorities progr. between 2330-0130 is now on 6165 instead of 7110. The Main program is announced to be on 6165 between 0930-1500 instead of 7110 at 1030-1500, but reported currently off the air. (WRTH Update)

NIGERIA Summer A-13 SW schedule of *Voice of Nigeria*:

0500-0700 15120 IKO English, not active at present
0700-0800 15120 IKO French, not active at present
0800-0900 15120 IKO English, not active at present
0800-0900 9690 AJA Hausa
0900-1500 9690 AJA English
1500-1600 15120 IKO English, not active at present
1600-1630 9690 AJA Swahili
1630-1700 9690 AJA Yoruba
1700-1730 9690 AJA Igbo
1730-1800 15120 IKO Arabic, not active at present
1800-2000 15120 AJA English DRM
2000-2100 7255 AJA French
2100-2200 7255 AJA Fulfulde
2200-2300 7255 AJA Hausa
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 3)

6089.85, *R Nigeria*, Kaduna, 2005, Jul 02, very strong and totally alone here. (Nilsson-Sweden/DX Window)

OMAN Revised complete schedule of *Radio Sultanate of Oman*:

0200-0300 daily 13600 Arabic
1500-2200 daily 15140 Arabic

2200-2400 daily 15355 Arabic
0000-0200 daily 9760 Arabic
0300-0400 daily 13600 English
1400-1500 daily 15560 English
(WRTH Update)

Updated summer A-13 of Radio Sultanate of Oman:

0000-0200 NF 9760 Arabic additional
0200-0300 on 13600 Arabic
0300-0400 on 13600 English
1400-1500 NF 15140 English, ex 15560
1500-1600 NF 15140 Arabic, ex 15560
1600-2200 NF 15140 Arabic, ex 15595
2200-2400 NF 15355 Arabic additional
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

PAKISTAN 15485, not so bad signal heard tonight from Islamabad on the remote SDR unit in Australia down under. *R Pakistan* Urdu was early on air, noted at 0031 July 7 - scheduled on 15490! from 0045, S=7 fair level, drums + local singer noted on powerful and somewhat cleaner modulation quality. I guess the moved 5 kHz down - always suppose my notes drawing is correct, midst on deep European night. (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 7)

15425, *Pakistan Broadcasting Corporation*. Full data QSL card of HDQ's with a note thanking me for report and apologizes for the delay. Also sent a PBC Plastic Pennant (don't see them much these days!) Pakistan calling and HF Schedule for a Postal CD Report to Islamabad Address. Reply in 113 days. V/s: Shahid Hameed Engineering Manager. (Ed Kusalik-Canada/DXplorer)

In an interview with APP on Jun 30, Director General PBC Samina Pervaiz said R Pakistan, in its national hook-up, will highlight the religious significance of Ramadan ul Mubarak across the country through programmes with special Sehr and Iftar transmission. She said that a team of leading religious scholars from different schools of thought and shades of opinion will unfold the importance of various aspects of Ramadan. She also said that the pioneer institution in the country had tailored an ambitious plan to further improve the quality of all programmes and revival of dramas to restore its pristine glory. The Director General said, we have evolved an ambitious plan to introduce new dramas, revival of Urdu dramas, interviews of legends, music concerts, production of English language programmes for FM 94, revival of running

cricket commentary in English and digitization of archival material. She said, that FM 93, 94 and 101 are also made available on internet through the satellite network. She said, that the quality of world, external and foreign services will also be further improved to meet the demands of listeners. (<http://www.radio.gov.pk/newsdetail-47879> via Jaisakthivel/DX Window)

Radio Pakistan scheduled daily but operating on minimal power & irregularly:

0900-1000 11700 Bengali
1700-1800 9370 Farsi
1145-1215 11860 Gujarati
1045-1115 11860 Hindi
1000-1030 11700 Nepali
1230-1300 11700 Sinhala
1300-1330 11700 Tamil
(WRTH Update)

PALAU 9960, **Khmer Post Radio** (to Cambodia) adds one hour of SW to its schedule. Special Announcement. Starting from July 2nd, 2013, Khmer Post Radio added 1 more hour of broadcasting (Special election's edition For the whole month of July) from 5-6pm (Cambodia time) in the same SW Station 9960.

Khmer Post Radio

1000-1100 9960 July 2~
1200-1300 9960
<http://hiroshi.mediakat-blog.jp/e92040.html>.
(Alokesh Gupta-IND, DXasia July 2/TopNews)

Starting from July 2, 2013, Khmer Post Radio added 1 more hour of broadcasting (Special election's edition for the whole month of July)

1000-1100 9960 HBN Khmer. Regularly program is

1200-1300 9960 HBN Khmer and will continues.
(DX Mix News, Ivo Ivanov-BUL via wwdxc BC-DX TopNews)

PERU 4747, **Radio Huanta 2000**, Huanta, at 0022-0034 on July 14, Peruvian music, male, comments, Spanish. 14321. (Manuel Méndez-Spain/HCDX via TopNews)

4810.00, 2350-2400, 09.07, **R Logos**, Chazuta, Spanish animated talk, very noisy. 12121. (Anker Petersen-Denmark/PlayDX)

5024.92, **R Quillabamba**, Quillabamba, 2256-2303, Jul 13, ID and bird song, without any trace of Rebelde this early. (Nilsson-Sweden/DX Window)
Still heard at 0000-0010, Jul 10, Spanish ID: "Radio Quillabamba", talk, 23322, QRM R Rebelde. (Petersen-Denmark/DX Window)

5980.00, 2330-0020, 09-10.07, **R Chaski**, Urubamba, Cusco, Spanish talk with a few musical interludes. 35232. (Anker Petersen-Denmark/PlayDX)

6173.92, **R Tawuantisuyo**, Cusco, heard at 0040, Jul 08, Spanish ID by DJ and disco songs, 25432. (Pankov-Bulgaria/DX Window) Also heard at 0210, Jul 16, quite strong with a clear ID. Also noted Jul 11 at 0135 on 1190.07 MW when it was very good conditions on MW towards southern Peru. (Nilsson-Sweden/DX Window)

PHILIPPINES Summer A-13 SW schedule of **FEBC** Manila:

0000-0015 on 9795 IBA Khmu
0000-0030 on 9405 BOC Chinese
0000-0100 on 12055 BOC Lahu/Wa
0000-0100 on 12070 IBA Chinese
0000-0100 on 15600 BOC Chin-Asho/Khumi-Karen
0000-0130 on 15435 BOC Shan/Tai-Lu/Maitei/Chin
0100-0130 on 15560 BOC Javanese
0630-0800 on 15450 IBA Chinese
0730-0900 on 15525 BOC Chinese
0800-0830 on 15320 BOC Madurese Mon-Wed
0800-0830 on 15320 BOC Sasak Thu-Sun
0800-0900 on 15450 IBA Mongolian
0830-0900 on 11820 BOC Banjar Mon/Wed/Fri
0830-0900 on 11820 BOC Gorontalo Tue/Thu/Sat/Sun
0900-1000 on 15450 BOC Minangkabau
0900-1000 on 15580 BOC Makassar/Buginese
0900-1400 on 9400 IBA Chinese
0900-1700 on 9430 BOC Chinese
1000-1030 on 15640 BOC Southern Bai
1030-1100 on 12095 BOC Tai-Lu
1000-1100 on 15580 BOC Sunda/Sasak
1100-1200 on 9795 BOC Lahu
1100-1200 on 9855 IBA Vietnamese
1100-1300 on 12095 BOC Hmong/Lao/Njua/Mien
1115-1200 on 15330 BOC Karen/Mon/Jingpho
1200-1300 on 7410 BOC Khmer
1200-1330 on 9920 IBA Rade/Jarai/Roglai/
Sedang/Koho
1200-1400 on 12020 BOC Rawang/Akha/Naga/
Chin-Daai
1300-1330 on 11825 BOC Tibetan
1300-1400 on 12095 BOC Hmong/Khmu

1330-1400 on 9890 BOC Chinese-Yunnan
1400-1430 on 11750 BOC Lahu
1400-1430 on 15620 BOC Javanese
1400-1600 on 9345 IBA Chinese
1430-1500 on 12085 BOC Uyghur
1500-1600 on 11650 BOC Russian Mon-Sat
1500-1600 on 11650 BOC Russian/Ukrainian Sun
2230-2400 on 9405 BOC Chinese
2300-2330 on 9365 BOC Lu Mien
2300-2330 on 9795 BOC Mon
2300-2330 on 12095 BOC Hmong
2300-2400 on 12070 IBA Chinese
2330-2400 on 9795 BOC Lao
2330-2400 on 12055 BOC Palaung/Pale/Tai-Lu
2330-2400 on 15600 BOC Burmese
(DX Re Mix News, Bulgaria)

FEBC now has a new postal address:

FEBC, P. O. Box 14205, Ortigas Center, Paig City 1605,
Philippines. (Allen Dean/British DX Club)

Summer A-13 of *R. Pilipinas Philippines Broadcasting Service*:

0200-0330 on 11880 Tagalog/English
0200-0330 on 15285 Tagalog/English
0200-0330 on 17820 Tagalog/English
1730-1930 on 9915 English/Tagalog
1730-1930 on 11720 English/Tagalog
1730-1930 on 15190 English/Tagalog
(DX Re Mix News, Bulgaria)

Summer A-13 SW schedule of *Radio Veritas Asia*

0000-0027 on 11855 PUG Sinhala
0000-0027 on 15460 PUG Sinhala
0000-0027 on 11935 PUG Karen
0030-0057 on 11855 PUG Tamil
0030-0057 on 15265 PUG Bengali
0030-0057 on 15280 PUG Hindi
0100-0127 on 15280 PUG Urdu
0100-0127 on 15530 PUG Telugu
0100-0127 on 17860 PUG Urdu
0130-0157 on 15255 PUG Zomi-Chin
0130-0227 on 15530 PUG Vietnamese
1000-1027 on 11850 PUG Khmer
1000-1157 on 11945 PUG Mandarin
1030-1127 on 11850 PUG Vietnamese
1130-1157 on 15450 PUG Burmese
1200-1227 on 11935 PUG Hmong
1200-1227 on 15225 PUG Karen
1230-1257 on 15225 PUG Kachin

1300-1327 on 11850 PUG Vietnamese
1330-1357 on 9520 PUG Sinhala
1330-1357 on 11870 PUG Hindi
1400-1427 on 9520 PUG Tamil
1400-1427 on 11870 PUG Bengali
1430-1457 on 11750 PUG Telugu
1430-1457 on 11870 PUG Zomi-Chin
1430-1457 on 15330 SMG Urdu
1500-1557 on 15320 SMG Filipino
2100-2257 on 6115 PUG Mandarin
2300-2327 on 15355 PUG Filipino
2330-2357 on 9645 PUG Kachin
2330-2357 on 9670 PUG Vietnamese
2330-2357 on 9720 PUG Burmese
(DX Re Mix News, Bulgaria)

15435, *FEBC* Boceau, in various Shan multi languages at 0000-0100, depends on weekday. S=6-7 crystal clear audio and fine modulation noted at 0055 July 7, heard on remote SDR unit at Australia. (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 7)

15265 *RVA* Bengali from Palauig-Zambales relay scheduled 0028-0057, noted July 7. Trumpet fanfare opening just at 0028-0030, S=7 weak to fair down under in Brisbane Australia. (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 7)

15280 *RVA* Hindi from Palauig-Zambales, little stronger than 15265, S=8 on regular 0030-0100. Female opening announcer. (Wolfgang Büschel-Germany/wwdxc BC-DX TopNews July 7)

SAUDI ARABIA Summer A-13 SW schedule of *BSKSA Radio Riyadh*:

0300-0555 15170 Arabic Holy Qur'an Sce
0300-0755 17895 Arabic Holy Qur'an Sce
0300-0955 9715v Arabic Holy Qur'an Sce
0400-0655 15285 Swahili
0600-0855 15380 Arabic Holy Qur'an Sce
0600-0855 17730 Arabic General Program
0600-0855 17740 Arabic General Program
0800-0955 17785 French
0900-1155 11935 Arabic Holy Qur'an Sce
0900-1155 15490 Arabic General Program
0900-1155 17570 Arabic Holy Qur'an Sce
0900-1155 17615 Arabic Holy Qur'an Sce
0900-1155 17805 Arabic General Program
0900-1155 21670 Indonesian
1000-1225 15250 English Radio Jeddah
1200-1355 15380 Arabic Holy Qur'an Sce

1200-1355 17625 Arabic Holy Qur'an Sce
1200-1455 13775 Urdu
1200-1455 15120 Bengali
1200-1455 17705 Arabic General Program
1200-1455 17895 Arabic Holy Qur'an Sce
1200-1455 21505 Arabic General Program
1300-1555 17615 Arabic Holy Qur'an Sce
1400-1555 17660 French
1500-1700 15225 Arabic "Call of Islam"
1500-1700 15435 Arabic "Call of Islam"
1500-1755 7240 Farsi
1500-1755 9885 Turkmen/Uzbek/Tajik
1500-1755 13710 Arabic Holy Qur'an Sce
1600-1755 15205 Arabic Holy Qur'an Sce
1600-1755 17560 Arabic Holy Qur'an Sce
1700-1755 15225 Arabic General Program
1700-1755 15435 Arabic General Program
1800-2055 9675 Turkish
1800-2255 9555 Arabic General Program
1800-2255 9870 Arabic General Program
1800-2255 11820 Arabic Holy Qur'an Sce
1800-2255 11915 Arabic Holy Qur'an Sce
1800-2255 11930 Arabic Holy Qur'an Sce
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX
TopNews July 3)

SOMALIA Summer A-13 of *Radio Hargeysa*:

0330-0500 on 7120 Somali
0500-0630 on 7120 Somali, irregular
1230-1400 on 7120 Somali, irregular
1500-1900 on 7120 Somali
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

SOUTH AFRICA A-13 schedule of *Channel Africa*:

0300-0355 5980 English Mon-Fri
0300-0455 3345 English Mon-Fri
0500-0655 7230 English Mon-Fri
0600-0655 15255 English Mon-Fri
0700-1200 9625 English Mon-Fri
1200-1300 9625 Nyanja Mon-Fri
1300-1400 9625 Lozi Mon-Fri
1400-1500 9625 Portuguese Mon-Fri
1500-1600 9625 English Mon-Fri
1500-1555 15660 Swahili Mon-Fri
1600-1655 15235 French Mon-Fri
1700-1755 15235 English Mon-Fri
A-13 schedule of *SA Radio League*:

0800-0900 7205 English Sun
0800-0900 17660 English Sun, not 17570
1630-1730 3230 English Mon

A-13 schedule of *Radio Sonder Grense*:

0500-0755 7285 Afrikaans
0800-1755 9650 Afrikaans
1800-0455 3320 Afrikaans
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX
TopNews July 3)

SPAIN *Radio Exterior de España* in English on
Saturday and Sunday from 2100-2200 to Europe on
9660; not 9650. (WRTH Update)

SRI LANKA Revised complete schedule for *Sri Lanka Broadcasting Corporation*:

0110-0130 on 11905 Bengali
0130-0330 on 11905 Hindi
1115-1145 on 9720 Malayalam
1630-1830 on 11750 Sinhala mtw..s.
1145-1215 on 9720 Tamil
(WRTH Update)

SUDAN 9505, *Voice of Sudan*, Sudan Radio, 1700,
English with music and commentary regarding
Sudan people. 1725 info regarding station with
email ID as voiceofafrica@sudanradio.net (not
sure if it was net or sn). Also postal address as PO
572, Omdurman, Sudan. Icom 751, Dipole (Manikant
Lodaya, City of Hubli in the state of Karnataka,
India, July 8, DXLD) Interesting and consistent
with below schedule - RAD

New summer A-13 of *Radio Omdurman Sudan*:

0215-0400 on 7205 Arabic, ex 0230-0400
1430-1600 on 7205 Arabic cancelled
1930-2100 on 7205 Arabic, ex 1900-2100
Start and end of transmissions slightly vary
between 1-3-5 minutes. (DX Re Mix News, Bulgaria
via Dan Ferguson-SC)

New summer A-13 of *Voice of Africa Radio*:

0530-0630 on 9505 Somali, ex 0400-0500
0630-0730 on 9505 Swahili, ex 0500-0600
0730-0830 on 9505 English, ex 0600-0700
1630-1730 on 9505 French, ex 1600-1700
1730-1830 on 9505 English, ex 1700-1800
1830-1930 on 9505 Arabic, ex 1800-1900
Start and end of transmissions slightly vary
between 1-3-5 minutes. (DX Re Mix News, Bulgaria
via Dan Ferguson-SC)

TAIWAN The talk is that, with the recent budget cuts to *Radio Taiwan Intl.* coupled with the impending closure of WYFR Okeechobee, English to North America will cease at the end of this month. In an email from online friend Andrew Ryan, a producer/writer/host on Radio Taiwan, he insists that RTI absolutely is still interested in broadcasting on SW to North America. (He is well aware that this is not the trend with other broadcasters). He wrote "Unless some other radio station is planning on jumping in to save us, this could be the end." He asked rather pointedly about my hearing RTI on transmissions not targeted for USA. (I had previously shared one of my logs with him where I had gotten excellent copy of RTI via France - a transmission targeting S.E. Asia, actually). I responded with comments on the frequencies that work best from Europe and Asia and at what times. I did mention how Asian DX pounds in to USA in early mornings, and how the best heard station here (my QTH) is often Voice of Korea from the DPRK. Hopefully there are options are still being discussed behind closed doors in Taipei. (Rick Barton-AZ/NASWA Yahoo Group) Tainan transmitter site is reported to have been closed and transmissions moved to other sites. (WRTH Update)

Frequency change of Radio Taiwan International:

0100-0200 11875 TNN English, cancelled
1000-1500 NF 6180 HUW Chinese, ex6135
1100-1200 9465 TNN English, cancelled
1100-1300 11720 TAI Chinese, cancelled
1200-1300 7445 PAO Chinese, additional
1200-1300 9465 TNN Amoy, cancelled
1400-1500 NF 9735 TNN Indonesian, ex11875
1500-1600 NF 7445 PAO Thai, ex7555
2200-2400 11700 TAI Chinese, cancelled
(DX Mix News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 3)

Fu Hsing BC, Kuanyin is back on 9410 in parallel with 9774. (WRTH Update)

TUNISIA Revised complete schedule of *Radio Tunisienne* in Arabic with irregular variable time:

0500-0600 daily 7275
0600-0700 daily 7335
(WRTH Update)

New summer A-13 schedule of *Radio TV Tunisia* - only 3 morning program

0357-0456 on 17735 Arabic, ex 0257-0506
0457-0556 on 7275 Arabic, ex 0357-0626
0657-0756 on 7335 Arabic, ex 0557-0806
1557-2006 on 17735 Arabic, cancelled
1657-2126 on 7225 Arabic, cancelled
1857-2306 on 7345 Arabic, cancelled
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

UGANDA 4976, *UBC Radio*, Kampala, 0420, Jul 13, male and female chat in English/vernacular, music clips, 25332. (Bell). Also heard at 1850-1930 and 2051-2204, Jul 12, 13, 14 and 15, English news, political comments, western songs, ID's "Radio UBC" and "Radio Uganda", vernacular songs, 34333. (Dritsas-Greece, Méndez-Spain and Petersen-Denmark/DX Window)

Uganda Radio broadcasts on 7195: In spite of complaints to the Uganda and Kenya Communications Commissions what appears to be Uganda Radio continues to broadcast daily from around 0445 until after 1130, using English, Luganda and Swahili languages, with good world news items, music and Koran recitations. The signal is not too strong in Nairobi, much weaker than Radio Hargeisha on 7120, but is clearly audible and does not appear to be a spurious emission. It would be appreciated if I could receive any reports from your area to support our complaints to CCK and UCC. (Ted 5Z4NU, ARSK Nairobi via intruderalert_iaru-r1.org ng, via df5sx June 24) Kampala Uganda Radio broadcasts on 7195: I can detect the carrier here in (my) evenings, but that is about all. Unfortunately, I have a G7D sort of signal on 7197 that appears to operate 24 x 7, so not easy to hear under it. (John Kirk-AUS VK4TJ QG52xi via intruderalert_iaru-r1.org ng, June 24). All via TopNews.

On Apr 01, 2013, I heard a half-hour test transmission from the *R Dunamis* and I sent a reception report to the radio station. The transmission was under a strong interference by R Bangladesh who used the same frequency of 4750. End of May I received a full data QSL for above reception. Also, I received a mail from Heather Paterson from Bible Voice in which she informed me, that they had to change the antenna system in March. Then I sent an e-mail asking when the antenna system would be completed and when the transmissions would start. On Jun 27, 2013, I received a mail from Joan S., High Adventure Gospel Communication Minis-

tries, Bible Voice Broadcasting, in which she wrote: "Thank you for your recent inquiry. Yes, we are still broadcasting from our shortwave station Dunamis. Details: 4.750 MHz - 60 meter band. 1500-1900 UTC. I trust you are able to connect again". Until today, despite having made many attempts, I cannot hear R Dunamis. (Dritsas-Greece/DX Window)

USA Dear DX friends: We want to celebrate with you the "*Ecos del Torbes*" Internacional Day." It's a very popular Venezuelan radio station which has been on the air for 66 years non-stop. In the past, it also broadcasted on shortwave and it was a very popular SW station among the international audience as well as for DXers from around the world. So, we'll broadcast a Spanish language program with very interesting features on it. It's going to be broadcasted simultaneously through MW 780, SW 9955 *WRMI*, as well as on the internet. Please take note. Our SW schedule for this program will be as follows: On August the 9th at 0200 to 0230 on 9955. (This transmission is for the Friday August 9 in America) and on August the 10th at 2230 to 2300 on 9955. All correct reception reports can be sent through www.ecosdeltorbes.net. There is a link on the page and you can leave your personal data and your reception report there. Then, we'll send you the e-QSL verification card. Despite this program is in Spanish, we're sure many DXers from non-native Spanish speaking countries will enjoy some features of it as well. This special program is sponsored by The International DXers Friendship Club, - CDXA Inyetrnacional in Venezuela, *WRMI* Radio Miami International in United States and support staff working in Ecos del Torbes. C.DX.A - Internacional Coordinators for the "*Ecos del Torbes*" Internacional Day", in San Cristóbal, Venezuela: Dr. Ricardo Benvenuto (ricardobenvenuto@hotmail.com) and Ing. Alejandro Benvenuto (alebenvenuto@hotmail.com). This program is offered to you as a preamble to the celebration of IV COLOMBO-VENEZUELAN DXers MEETING (EDXCV- 2014) in Barinas, Barinas State, Venezuela on January 5 and 6 which you are cordially invited. More information: <http://edxcv.blogspot.com/>. IV-EDXCV-2014 Coordinators: Ing. Santiago San Gil González (americaenanтена@yahoo.com) and Tec. Freddy Gamboa Rivas (freddygambo@gmail.com). Our Home DX blog is: <http://diexismovenezolano.blogspot.com/>; Our E-mail: cdxainternacional@yahoo.com. (Leonardo Santiago-Venezuela via Bill Oliver-PA)

WYFR Final Transmission 31 Jun 2013 on 6115 at 2230. The final transmission from this station

starts shortly to Canada from 2230-0300 on 6115. Family Radio was established in 1958 under its official name: Family Stations Inc. It aired its first broadcast on February 4, 1959, over radio station KEAR FM in San Francisco CA and has for a number of years been using a shortwave transmitter site in Florida and also relaying Radio Taiwan International. (Nick via BrDXC-UK July 1) Family Radio: The station has stopped operation. (WRTH Update)

KVOH / Voice of Hope, Los Angeles is being reactivated this summer. Currently the station is conducting a series of engineering test transmissions on 17775. The next scheduled test will be this Saturday, June 29th, for two hours from 1900-2100. The power used will be 50 kW, primarily targeted at Cuba, Mexico, Central America and the Caribbean, but the signal should also be heard over a wide area of the U.S.A. (east of the Rockies). There's even a slim chance it might be heard in Western Europe before local sunset. The test program will be bilingual, with announcements in both English and Spanish. Reception reports will be very much appreciated to the mail and/or email addresses given in the broadcast. All will be verified by means of a new printed QSL card. Since the Voice of Hope is a non-for-profit ministry, return U.S. postage would also be appreciated where possible. (Ray Robinson on WRTH FB 27 June; via BDXC-UK) QSLs are being reported; also second test on July 7th heard - RAD

KVOH Voice of Hope again SW. The first test was been June 29:

1900-2100 17775 En and Sp via Rancho Simi

According to the HFCC registrations of Federal Communications Commission for Summer A period:

1400-0100 17775
0100-0700 9775

For Winter B period

1500-0200 17775
0200-0800 9775
(DX Mix News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 3)

KVOH currently expects to be able to launch a preliminary 2-hour daily schedule around the end of this month (July), and will build from there. (Ray Robinson-USA, <rrobinson@kvoh.net> via John Herkimer-NY/DXplorer)

New registered frequencies of *World Wide Christian Radio* from July 1:

2100-0100 on 6115 English WWCR-1, not active!
0100-0400 on 6115 English WWCR-4, not active!
(DX Re Mix News, Bulgaria via Dan Ferguson-SC)

UZBEKISTAN Summer A-13 schedule of *CVC The Voice Asia*:

0000-0400 on 6260 Hindi
0100-0400 on 9975 Hindi
0400-1100 on 13630 Hindi
1100-1400 on 9660 Hindi
1400-2000 on 6260 Hindi
(DX Re Mix News, Bulgaria)

7505 *TWR India*, via Tashkent, E-QSL in 10 weeks for e-report to fabraham@twrindia.org, v/s Franklin Abraham. (Artur Fernandez Llorella-Spain, HCDX via TopNews)

ZAMBIA 5914.985, Jul 2, 2003, *ZNBC* Lusaka with native language, often quite good signal. But not any trace of the station on 6165 for several days! (Thomas Nilsson-Sweden/SWBulletin)

ZANZIBAR 6015, *Voice of Tanzania*, Dole, Zanzibar, 0350+, July 21, Transmission in Swahili. Reports and news programme. Interview. Announcement and identification, 34433. (Arnaldo Slaen-Argentina/DXplorer)

HAARP FACILITY SHUTS DOWN: 07/15/2013, The High Frequency Active Auroral Research Program (HAARP) — a subject of fascination for many hams and the target of conspiracy theorists and anti-government activists — has closed down. HAARP's program manager, Dr James Keeney at Kirtland Air Force Base in New Mexico, told ARRL that the sprawling 35-acre ionospheric research facility in remote Gakona, Alaska, has been shuttered since early May. "Currently the site is abandoned," he said. "It comes down to money. We don't have any." Keeney said no one is on site, access roads are blocked, buildings are chained and the power turned off. HAARP's website through the University of Alaska no longer is available; Keeney said the program can't afford to pay for the service. "Everything is in secure mode," he said, adding that it will stay that way at least for another 4 to 6 weeks. In the meantime a new prime contractor will be coming on board to run the government owned-contractor operated (GOCO) facility. (Dino Bloise/PlayDX)

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

NASWA Flashsheet

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

Pirate Radio Report

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

Greetings and welcome to the August 2013 pirate report. Activity has been spotty with a few new or newer stations out there along with some old standards such as Radio GA-GA, Black Cat Radio, and TCS to mention a few. For the most active Radio Free What Ever gets the nod. Additionally broadcasts from newcomers Radio Echo One, Knock, Knock Radio, and Man Cave Radio are worthy of mentioning.

This month we have an interview with Red Hat of X-FM Shortwave. Red Hat puts out great programs that are always very professionally produced.

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

A: When I was a kid, I sent away for a catalog from the now defunct Lindsay publication that I found in the back of Popular Mechanics magazine. In it was a book about underground radio. I thought it was strange idea to broadcast from subterranean places, but sent away for the book anyway, that's probably where the spark to start a station came from.

Q: What inspired you to become an op?

A: I had been an FM pirate for many years and a friend of mine (known to most of the audience as "The Old Professor") informed me of his early exploits on the short-of-waves. Equipped with a Winradio 305, I clandestinely strung a wire dipole through the attic of my apartment and started listening. Needless to say, it didn't take long before the antenna was being used for more than listening.

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

A: I've always thought of Tim Hunkin as a technological idol of sorts. When I

was younger, I used to watch his show "The Secret Life of Machines" a lot on Discovery and other science networks. I liked his sense of humor and creativity.

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

A: The format itself is a loose modern rock and alternative format. I try and keep it loose to keep some variety. We also play various forms of electronica, classic rock, and some classic top 40. I like to think of the show itself as a kind of house party, the audience being some of my friends sitting around the living room listening to music in the dark. I try and keep it "cozy."

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

A: Merely to expose people to new music that doesn't get much airplay. The powers-that-be have really destroyed beyond recognition, I think, the vibrant, interactive media that radio once was. I like to give people something they can listen to and interact with.

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

A: Thanks for listening guys; it really means a lot to us that people really enjoy the music we play and what we do.

Q: Which pirate stations do you enjoy listening to and why? Are there any pirate operators/stations that you admire and why?

A: Dr. Benway at Undercover Radio. He has an incredible talent in storytelling and at the same time a good head on his shoulders. He does a good job of walking the fine line between entertainment and education.

Radio True North I don't get to hear much, but always enjoy taking in. Bust-A-Nut Radio, one the first pirates I heard, and inspired me to start doing AM and eventually C-QUAM. Wolverine Radio for his theme shows, great SSB audio, and killer signal.

Thank you Red Hat for sharing your story with us! I am sure we all will be looking forward to your next broadcast!

Loggings

6.925, **Captain Morgan**, 6925 AM, 0155-0210+, 07-10-13 SIO: 232 Tunes by Snooky Pryor, Big Joe and The Dynaflores, etc. Pirate Zone IDs. [Lobdell-MA], [Rohde-OH]

6.950, **KBOX**, 6950 0124-0149*, 07-08-13 SIO: 343 Music by Outkast, Beatles, Regina Spector. IDs by YL announcer. [Lobdell-MA]

6.935U, **Northwoods Radio**, 6935 USB, 0227-0248*, 07-06-13 SIO: 444 Jackpine Savage sounding very good with tunes by CSN&Y, Neil Young, Mt. Kisco parody tune from WHYP, I think ,to the tune of "Ohio", Fleetwood Mac, etc. Off with Morse code 0248. [Lobdell-MA]

6.925, **Radio Free Whatever**, 2253-2357, 07-07-13 SIO: 343 DJs Dick Weed and assistant Stephen playing tunes by The Cure, Stone Temple Pilots, Offspring, etc. Ids and occasional chatter by DJs. [Lobdell-MA]

6.925, **Radio Free Whatever**, 6925, 0146-0255+, 07-14-13 SIO: 333 Dick Weed playing tunes, says his assistant Stephen wants to be A Bass player. Music by Lily Allen, The Killers, Spineshank. [Lobdell-MA], [Rohde-OH]

6.925, **Radio Free Whatever**, 0127-0229*, 07-03-13 SIO: 343 DJ Dick Weed on again With tunes by Bruno Mars, Red Hot Chili Peppers, Falco... frequent IDs, whispered ID at QRT. [Lobdell-MA]

6.925U, **Red Mercury Labs**, 0245-0259, 07-09-13 SIO: 232 ID, talk "I hope everybody is having a good time", then into "Every-

body Knows" by Leonard Cohen. Talk about free speech. [Lobdell-MA]

6925, **WAZU**, 6925 AM, 0305-0332*, 07-06-13 SIO: 343 Fearless Fred here with nice show of tunes and talk. Dedication to NSA leaker Snowden "Run Run Run" by Jo Jo Gunne, promo for Ragnar's "Pirate's week", Eco "Green" news by YL. Off at 0332 with galloping horse sound effects. email: wazu@mail.com. Also Box 1, Belfast, NY 14711. ([Lobdell-MA])

6.950U, **Wolverine Radio**, 6950 USB, 0207-0300*, 07-06-13 SIO: 454 North America's most powerful pirate on again With tunes having the words "America" and "Born" in them. Off with ID and SSTV image. No contact info still. (Lobdell-MA, [Rohde-OH])

6925U, **XLR8**, 0012, 6/29/13. 3 songs I didn't know, ID, off at 0023. Fair. (Taylor-WI)

6.925U, **XLR8**, 2336-0007+, 06-29-13 SIO: 232. Just caught this in the static, ID, then Devo tune "Red Express" At 0003 UTC. [Lobdell-MA]

Euro Pirates

Summerfest Radio, 6260 AM, 0223-0345+, 7-7-13 SIO: 343 UNID Relay of English special event FM station. For the Haddamham Beer Festival. Mostly US and English oldies. AD groups, Ids as Summerfest Radio, 87.9 FM [Lobdell-MA]

NMD-Holland, 6305 AM, 2348-2351+, 07-13-13 SIO: 333 Program of pop tunes, talk by DJ in EE with greetings to listeners In North America, ID and email as nmradio@hotmail.com. The next day received nice full data eQSL from Station Op Fritz. [Lobdell-MA]

Radio Trans Europe-Holland, 6920 AM, 2355-0023+, 07-13/14-13 SIO: 232. Op chatting, IDs, music by Shocking Blue, Pussycat, Bots [Lobdell-MA]

See you next month! 73s



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

**THE MIGHTY
KBC**

Agropolis 6 Phone +31 318 552403
E-118 941 Ede Fax +31 318 437601
Hilversum E-Mail: mkb@kbc.com

We are happy to confirm that the transmission you heard on:

Date 21/10/2012

Time 09:00 - 09:30 UTC

Frequency 9.500 MHz (M) SW

Transmitter 100KW Oulga 212

is a MIGHTY KBC programme.
Thank you for getting in touch.
We hope you continue to enjoy
our radio programmes.



QSL CARD

This QSL card is accepted by QSL bureaus and is valid for QSL points.



RICHARD A. O'ANGELO
2216 BURKEY DRIVE
WYOMISSING PA 19380
USA

ALBANIA: Radio Tirana 9850
ultra thin paper card featuring a drawing of a "Woman in Local Dress" in 49 ds. for 1 IRC and a local postcard. I also rcvd. separately but on the same day a GM language standard postcard QSL w/ n/d. (Roe-UK)... I believe Radio Tirana has been using the same "Traditional Dress" QSL since at least the late 50's...Sam.

ARMENIA: Voice of Russia
9395 via Gavar The station verified my email rpt. n/

a f/d "50 Year - to the First Manned Flight in Space" cd. and a pocket calendar but unfortunately did not indicate the site as requested in 45 ds. In the "good old days" obtaining sites was not usually a problem. (D'Angelo-PA).

TATION NOTES: WJHR 15550 Email: WJHR@usa.com Addr: 5920 Oak Manor Dr., Milton, FL 32570 v/s G.S. Mock. NHK World Radio Japan 15735 via Tashkent Addr: English Section, NHK World Radio Japan, Tokyo 150-

8001 Japan. CHU 7850 v/s Bill Hoger, Technical Officer. Addr: Institute for National Measurement Standards, National Research Council of Canada (NRC-INMS), 1200 Montreal Road, Bldg. M-36, Ottawa Ontario K1A 0R6, Canada. WWVH 10000 v/s Adela Mae Ochinarig, Secretary. Addr: NIST Radio Station WWVH, P.O. Box 417, Kekaha, HI 96752. Radio Thunderbird 5835 Addr: Postfach 101145, DE-99801 Eisenach, Germany...via PLAY DX.

BOTSWANA: Voice of America 12025 p/d cd. in 31 ds. for a rpt. to the BBG Washington address. The card featured a "View of the newsroom captioned Assignment Editors discuss the latest story developments in the VOA newsroom in Washington DC". I also rcvd. a large full color 2013 calendar of US National Parks". (Roe-UK).

ENGLAND: KBS World Radio 6145 via Woofferton The QSL cd. "Celebrates the 55th Anniversary of the French Service on KBS World Radio and shows staff photos and presenters of the Service". Also rcvd. a use-



THE GREAT SOCIALIST PEOPLE LIBYAN ARAB JAMAHIRIA
VOICE OF AFRICA

Dear friends:- SEOTT R BARBOUR.JR.

We have received your letter.

voice of Africa and also your notices.
We hope bridges of ties to be continued between us, welcoming your
Opinions and contributors.

With best regards

Researches and studies section
Listeners affairs
Voice of Africa

Address: Radio voice of Africa
Tripoli- Alfateh Street
p. O. Box (4677-4396-2009)

ful "post-it pad" featuring the same design as the QSL card. Station stickers marking their 60th anniversary were also rcvd. (Roe-UK).

GERMANY: PCJ Radio International 5955 via **Nauen** This QSL was for the Happy Station Test broadcast to Europe on June 9th. Email QSL was rcvd. in 3 days w/ a very nice personal note from Victor Goonetilleke. (Roe-UK). 9925 f/d "Antenna" cd. via email in 2 days. Email: pcjgsl@pcmedia.com (Lobdell-MA). **The Mighty KBC** 7375 via **Nauen** f/d "Tee Shirt / Antenna" card in 23

STATION NOTES: Adventist World Radio 11740 via **Trinidad**

comalee Addr: AWR Asia Pacific, Ruko Palm Spring, Blok A4 #6-8, Batam Center, 29461 Batam, Indonesia. **WYFR Family Radio** 15690 via **Issoudun** Addr: 290 Hegenberger Rd., Oakland, CA 94621 **Motor Vessel Baltic Radio** 6140 via **Issoudun** v/s Roland Rohde. Addr: Seestrasse 17, DE-19089 Gohren, Germany. **Gemeinde Gottes** 3995 via **HCJB Weenermoor** Email: info@gemeinde-gottes-herford.de Addr: Zimmerstrasse 3, DE-32051 Herford, Germany. v/s Nikolai Ernst. **Ichtys Radio** 3995 via **HCJB Weenermoor** v/s Sven Tasche, Leader Ichtys Radio Email: sven.tasche@gmail.com Addr: Z.HD. Sven Tasche, Rudolf Breitscheid Str. 3, DE-01945 Ruhland, Germany. **Missionswerk Werner Heukelbach** 3995 via **HCJB and Radio 700 Kall Krekal** Addr: DE-51700 Bergneustadt, Germany. **Motor Vessel Baltic Radio** 9480 via **Gohren** Addr: Seestrasse 17, DE-19089 Gohren, Germany...via PLAY DX



São Paulo, 02 de Agosto de 2001

Ao
Sr. George L. Glotzback *Glotzback*
5 Herrada Court
Santa Fé - New Mexico - 87508 - USA

Caro Amigo, obrigado pela audiência

Recebemos sua carta datada de 16 de Janeiro de 2001 nos informando e constatando que o som da Rádio Gazeta em sua cidade é muito bom: o que nos envaldece muito. Agradecemos os relatos muito importantes da nossa transmissão. Continue mantendo contato com a gente. Um abraço especialmente em você ouvinte Gazeta. George você ouviu o som da Gazeta OC. 31 mts - 9.685 khz.

Aproveitamos para enviar alguns adesivos e as frequências da emissora:

ZYK 690 AM 890 potência de 50 kw-50.000 watts
ZYE 962 OC - 5.955 khz - 10 kw-10.000 watts
ZYE 963 OC - 9.685 KHZ - 7,5 KW- 7.500 watts
ZYE 964 OC 15.325 KHZ - 1 KW - 1000 watts

Informemos ainda que nossa principal emissora A GAZETA FM A Primeira está entre as mais ouvidas de SÃO PAULO - Prefixo ZYD 821/FM 88.1 MHZ - potência de 70KW 70.000 Watts- 400 KWERP.

Correspondência INTERNET: Gazeta FM@miscnetp.com.br

Atenciosamente,

Benedito Leite da Costa
Benedito Leite da Costa
Supervisor de Operações Rádio - E-mail - fubá@radiogazeta.com.br

ds. for 2 IRCs. v/s Eric van Willegen. (Wilkins-MO).
* **Radio Prague** 3985 via the **Radio 700** transmitter at **Kall - Krekal**. Card rcvd. in 11 ds. for an email rpt. This Special issue QSL celebrating 90 years of Czech radio 1923-2013, and the special one day of broadcasting via shortwave to mark this occasion. I also rcvd. a small folded cardboard magnetic bookmark. (Roe-UK).

MALAYSIA: Asyik FM 6050 via **Kajang** f/d cd. in 3 mos. v/s Othman Bin Md. Said, Department of Broadcasting RTM. (Barto-CT)...Yea! I got one... Sam.



MOLDOVA: Voice of Russia 9665 via Kishinyov f/d "Assault on Sapun Hill" cd. w/ ltr. signed by Elena Osipova. Also rcvd. program and frequency schedules and a blank report form all in 43 ds. for 2 IRCs. (Wilkins-MO).

NIGERIA: Voice of Nigeria 15120 blank QSL cd. w/ an out of date program schedule and frequency listing. All in 39 ds. The QSL featured a "View of Zuma Rock in Abuja" Perhaps better luck next time for a completed card. (Roe-UK).

PHILIPPINES: FEBC Radio International 12095 via Bocaue The station verified my email rpt. w/ an email reply in 36 ds. from v/s Owen who noted that

STATION NOTES: Radio Farda 7580 Email: svanderkoen@sri.ibb.gov v/s William S. Martin, Station Manager IBB Sri Lanka. King Shortwave 6215 Email: kingshortwave@hotmail.com Flying Dutchman Radio

6292 Email: fd@hmnet.nl Centro Radiofonico Imbabura 3380 v/s Luis Adriano Calero Rojas, Gerente Proprietario. Email: C.R.I.internacional@hotmail.com Radio Alice 3905 Email: radioalice@hotmail.com Like-

dealer Radio 3930 Addr.: P.B. 73, NL-7160 AB Neede, Holland. Radio Chaski 5980 Addr: Baptist Mid Missions, Alameda Pachacutec D-5, Cusco, Peru. Email: brucendebbie87@gmail.com



ATLANTIC 2000 international

Ondes courtes & Internet
<http://radioatlantic2000.free.fr>

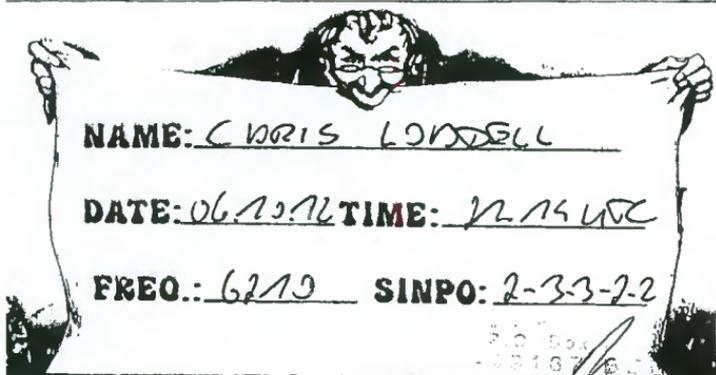


v/s Pastor Valentin Quispe, Baptist Mid Missions Peru. **European Music Radio** 6005 Email: studio@emr.org.uk...via PLAY DX...Sam.

this transmission came from a BSW1 - a 100 kw continental transmitter in the Hmong Service. He indicated that reception rpts. could be sent to the station at: reception-reports@febcintl.org (D'Angelo-PA).

ROMANIA: Radio Romania International

7350 The station verified my email rpt. in 34 ds. The QSL features "A View of the rather magnificent organ in the Mihail Jora Concert Hall in Bucharest" Also rcvd. a Summer 2013 program schedule. (Roe-UK).



NAME: CHRIS LONDELL

DATE: 06.10.16 TIME: 12.15 UTC

FREQ.: 6215 SINPO: 2-3-3-2-2

RADIO MARABU e.V.

POSTFACH 1166 - D 49187 BELM

tel.: 05406/ 8994 84 ----- Fax: 05406/ 8994 85 ----- E-mail: marabu@radiomarabu.de

www.radiomarabu.de

SAO TOME & PRINCIPE: Voice of America 4960 Full data email QSL pdf rcvd. by email for a postal rpt. direct to the IBB Sao Tome transmitter station w/ an IRC and a local post-card. The transmission was from transmitter "SAO-5" running at 100 kW. Email was from Helena Menzies, Station Manager's Secretary, promising the original card is in the post. The hard copy QSL was rcvd. in 60 ds. (Roe-UK).

SOUTH AFRICA: NHK World Radio Japan 11885 via **Meyerton** The QSL was rcvd. in 18 ds. for a postal rpt. The card was a "Scenic picture from Yamanashi Prefecture captioned A lull in the rainy season". (Roe-UK).

USA (Pirates): Hard Tack Radio 6925 f/d email QSL in 10 ds. featuring "General Burnside". Email: hardtackradio@gmail.com (Lobdell-MA). **Radio Free Whatever** 6930 f/d "Lenin Collage" black / orange cd. via

MITGLIEDSKARTE
MEMBERSHIP CERTIFICATE

From: Mr. Richard D'Angelo,
We confirm your report with pleasure!
Date: 12.30.2010
Time: 21:50 - 21:52 UTC
Frequency: 6155 kHz
We'll be happy to get in touch with you in 2011.

QSL VERIFICATION
NATIONAL BROADCASTING AUTHORITY
BANGLADESH BETAR
RESEARCH & RECEIVING CENTER
121, Kazi Nazrul Islam Avenue
DHAKA, BANGLADESH.

Dear
Thank you very much for your reception report of 25 January, 2011 we are pleased to confirm that the station you heard is Bangladesh Betar, operating on 4750 kHz, time 1149 UTC to 1218.

Yours sincerely,
[Signature]
22.2.11
Senior Engineer
Research wing
32 CHILDREN ARE CROSSING BAMBOO BRIDGE, BANGLADESH

Mr. Richard D'Angelo

STATION NOTES: Japan Short wave Club 15555 via **IRIB** v/s K. Iwasa. **Japan Shortwave Club** 12085 via **Radio Ulaan Baator** v/s K. Iwasa. **Voice of Croatia** 11675 via **Radio Singapore International** v/s M. Golubic. **Adventist World Radio** 11835 via **Trincomalee** v/s Adrian Peterson. **Trans World Radio India** 11725 v/s F. Abraham. **Adventist World Radio Guam** 11690. 11935, 15215 v/s Adrian Peterson. **Adventist World Radio Agat** 11805, 12035

v/s A. Gupta and J. Jacob. **Indian DX Report** via **Wavescan KSDA** 11825 v/s P. Purkayastha. **La Rosa de Tokio / AM Provincia** 9955 via **WRMI Radio Miami International** v/s O. Somma...via **PLAY DX...Sam.**

email in 2 ds. from DJ Dickweed. Email: dickweeddj@gmail.com (Lobdell-MA). **X-FM** 6925 f/d "Green Hoodie" email reply in 3 ds. (Lobdell-MA). 6950 f/d "Star Gazing" email reply in 6 wks. (Lobdell-MA) **Metro Radio International** 6950 f/d "Cat in the Studio" email QSL in 2 wks. (Lobdell-MA). I do have one more QSL from **Black Cat Radio** but there is not enough space left to do it justice Next month.

I had a great 8 days in Montana and at Yellowstone Park. My 3rd trip there. Logged about another 200 AM/FM stations. Came back and 7 ds. later I spent a week at the shore in CT. I'm really pooped!!!

See you next month...Sam.

[Signature]

□□□□□□ 明信片
青海人民广播电台台稿通知单

您撰写的稿件 (Merry Xmas and Happy New Year!)
已于2011年1月在本台新闻节目中播出, 感谢您的支持。
欢迎经常来稿, 并请将稿件寄回。
青海人民广播电台
2011年 月 日

Qinghai Radio Station
西宁市西关大街81号
810008

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Eric BUENEMAN, Hazelwood, MO	FRG-7, ATS-803a, 150 ft dipole
Larry COLTON, FL	no equipment listed
Rich D'ANGELO, Wyomissing, PA	RX340, R8-B, E1, E5 DX Sloper, Mini-Wind, FL3, ANC4
Dan FERGUSON, SC	no equipment listed
Glenn HAUSER, Enid, OK	FRG-7, YB400, SW-07, ATS-909, lw
Chris LOBDELL, Stoneham, MA	etón E1, 40m dipole
Bill OLIVER, Levittown, PA	no equipment listed
Chuck RIPPEL, Chesapeake, VA	WinRadio G33DDC and R390A
Dave TURNICK, Sinking Spring, PA	RX340, WinRadio, Alpha Delta sloper
Robert WILKNER, Cedar Key, FL	NRD545,535D, R8. IC746Pro, E1 Sat 800, Flex EWE

73 and Good DX to all- Steve Handler



2000-5900 kHz

Tropical Band Loggings

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

- 2485 AUSTRALIA VL8K Katherine 1032 Audio f/up till 1040; 6/21. (Wilkner-FL)
- 3204.9 PNG R. Sandaun Vanimo 1000-1010 Noted here w/ audio; 6/21. (Wilkner-FL) 3205 1145 Which is 23 minutes after sunrise here but as early as I awaken, quick check of 90m for NBC sigs; 3205 is the only one w/ some modulation audible; but also carriers on 3260, 3325, none of the others; also something comes & goes on 3230 where no b/casters exist; except RSA one other hour weekly, unpropagable to here; 7/9. (Hauser-OK)
- 3310 BOLIVIA R. Mosoj Chaski Cochabamba 1000-1008 W ancr in Quecha; f-g; 6/21. (Wilkner-FL) 0910 W comments into instrumental mx until 0917; followed first by W ancr then M w/ brie mx over chat; 0924 back to W; 0940 M & W ancrs in discussion; 7/5. (Wilkner-FL)
- 3329.52 PERU Ondas del Huallaga Huánuco 0822-0840 En español but gone 1000 recheck; this the only log, had not been heard in previous week or since; 7/4. (Wilkner-FL)
- 3375.1 BRASIL R. Municipal São Gabriel da Cachoeira 0030-0040 PP prgrming; 6/17. (Wilkner-FL) 0900-0940 M ancr in PP ments de kilohertz?; 0936 W ancr over mx; 0940 M vcl; poor; 7/5. (Wilkner-FL)
- 4055 GUATAMALA R. Verdad Chiquimula 0540-0507* SS talks by M & W ancrs w/ light mx tossed in; canned ID and ancrments at 0558 until longish anthem like song began around 0602; p-f; 7/14. (DiAngelo-PA)
- 4319U DIEGO GARCIA AFN 2340 First time in over a week to ten day w/ mx using 1.7 filter; at 0000 the ute may dominate; 6/30. (Wilkner-FL)
- 4451.2 BOLIVIA R. Santa Ana Santa Ana de Yacuma 2330 Best heard in USB w/ deep fades; M chat en espanol; 6/18 & 19. (Wilkner-FL) 2350-2359 Best in USB; weak sig normally; 7/3. (Wilkner-FL)
- 4699.86 BOLIVIA R. San Miguel Riberalta 0057 (P); V. weak sig here; which if on exactly 4700 would only be drifting there by chance; WRTH shows 4699; when I give a freq to two decimal places the last figure must be considered approximate; 7/13. (Hauser-OK)
- 4716.64 BOLIVIA R. Yura Yura 2330-0000 Flauta andina; M ancr en espanol; good; 6/16. (Wilkner-FL)
- 4789.8 PERU R. Visión Chiclayo 0955-1020 Peruvian mx; strong sig; 6/17. (Wilkner-FL)
- 4795.82 BOLIVIA R. Lipez Uyuni 0942 On earlier than usual, as was Bolivia on 4700 & 4716 same time during band scan; 6/21. (Wilkner-FL) 4795.8 Silent for last four days; 7/7. (Wilkner-FL)
- 4805 BRASIL R. Difusora do Amazonas Manaus 1000-1010 M ancr in PP; good sig during band scan; 6/21. (Wilkner-FL)

- 4810 **PERU R. Logos** Chazuta 0945-1030 Variety of flauta & M ancw w/ relg talk; strongest Peruvian here; 6/21. (Wilkner-FL) 0915 Flauta andina; 0920 M vclist; 1015 still heard w/ strong sig; 7/4. (Wilkner-FL)
- 4824.49 **PERU *Lv de la Selva*** Iquitos 2351 F/in w/ mx; better than usual sig during band scan; 6/18. (Wilkner-FL)
- 4826.5 **PERU R. Sicuani** Sicuani 1020-1040 Noted back on the air for first time in a fortnight; 6/30; Also noted 2350; 7/3. (Wilkner-FL)
- 4840 **USA *WWCR*** Nashville 0400-0430 "The Talking Machine Show" is replaying last week's episode; is this SOP?; 7/8. (Hauser-OK)
- 4863.9 **BRAZIL UNIDENTIFIED** 0100 Talk & mx here; stronger than another carrier on 4865.0, getting it, also w/ stronger TADIL-A bonker QRM; there are two Brazilians nominal 4865, so which is which? On June 22-23, Thomas Nilsson in Sweden, SW Bulletin, also had unID from 4863.93 to 4863.98; In the condiglista, Arnaldo Slaen in Argentina & Rodolfo Tizzi in Uruguay say the 4864 one is R. Alvorada de Londrina, Paraná & on June 25 at 0052, Claudio Galaz in Chile IDed R. Verdes Florestas on 4865; 6/29. (Hauser-OK)
- 4876.77 **BRAZIL R. *Difusora*** Roraima Silent for last week; 7/7. (Wilkner-FL)
- 4915 **BRAZIL R. *Daqui*** Goiania 0053 Scanning 60m for carriers from S. America while awaiting the Chaski-cut on 5980; standout sig on 4915 w/ mx; soon PP ancmt w/ yelled ID as "A Rádio Daqui!"; SINPO 35443, while many other mostly ZYs (P) were little but detectable carriers on 4815, 4825, 4885, 4895, 4905, 4925, 4975, 5015 & 5035; 6/27. (Hauser-OK) 0054 (P); Mx here, so one of the Brazilians is on & propagating, unlike last night; this time the one on 4885 is noticeably stronger, but several other ZY freqs are JBA; 7/3. (Hauser-OK)
- 4915 **BRAZIL R. *Difusora*** Macapa 0054 (P); JBA carrier; somewhat less than 4885, 4925, etc., so suspect R. Daqui is off again, uncovering a bit of Macapá; 7/10 & 11. (Hauser-OK)
- 4939.9 **PERU R. *San Antonio de Atalaya*** 2350-0010 (T); M ancw in SS w/ deep fades; under t-storm crackle; 6/18 & 19. (Wilkner-FL)
- 4957 **BOLIVIA *Rdif. Trópico***, July 11 at 0054, JBA carrier, suspected Rdif. Trópico, Trinidad as heard in South America, reactivated. Also on same July 12 at 0056, maybe trace of modulation (Glenn Hauser, OK, DX LISTENING DIGEST)
- 4985 **BRAZIL R. *Brasil Central*** Goainia 0040-0050 (T); Mixing w/ RRTY but detectable; 6/17. (Wilkner-FL)
- 4990 **SURINAME R. *Apintie*** Paramaribo 0847 M ancw in (P) Dutch until 0852; W vclist; 0900 instrumental mx; 0903 bass driven mx; 0905 M ancw until 0944 instrumental mx; 7/4. (Wilkner-FL)
- 5025 **CUBA R. *Rebelde*** Havana 0520 Enjoyable mx is degraded by flutter as the K=5 propagation disturbance is penetrating below the Tropic of Cancer; 7/10. (Hauser-OK)
- 5039.22 **PERU R. *Libertad*** Junín 1000-1020 Mx & chat; good; 6/17. (Wilkner-FL) 1020 M ancw; 1024 W vclist; 1026 back to M ancw; 1033 another W vclist; 7/6. (Wilkner-FL)
- 5110v **USA *WBCQ*** Monticello 0135-0142 CUSB; World of Radio 1674 monitoring; confirmed on Area 51; 6/22 & 29 (Hauser-OK)

5901-30000 kHz

International Band Loggings

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

- 5952 **COLOMBIA *Alcaravan R***, 0945-1002, on a morning with bad reception conditions this was so loud I first thought it must be Cuba, om in long talk with frequent mention of Colombia and revolution, elaborate, full ID just past the hour, tried for the other two Colombians, but nothing. 28 June. (Wilkner-FL)
- 5952 **BOLIVIA *Pio XII***, Siglo Veinte 1100 to 1105 noted during band scan, weaker than normal signal 6 July. (Wilkner-FL)
- 5980 **PERU R. *Chaski*** July 11 at 0052, R. Chaski usual very weak carrier, until cut off at 0104:56*; also July 12 at 0059-0105:02* (Glenn Hauser, OK, DX LISTENING DIGEST)
- 6010 **BOLIVIA *Radio Pio Doce***, 0056- Jul 6, is certainly back after missing 24 hours earlier: music vs Cuban jamming against nothing on the hi side centered on 5955; 0056 Spanish announcement sounds like a commercial rather than anything pious. At 0102 unseems Spanish so Aymara or Quechua? 0105, back to Spanish discussion mentioning gobierno and municipios. At 0102 I also checked the other CPs on 49m: 6155- R. Fides audible poorly, hard-to-copy Spanish; 6135- R. Santa Cruz best signal but worst overmodulation/distortion yet I've heard from them, during 0114 song. (Glenn Hauser-OK)

- 060 **MEXICO R Mil**, 0900 to 0910, nice XE mx, //1000, which had to battle Cuban QRM, both 6010
and 1000 deteriorating after 0900, neither there on 1000 recheck. 24 June. (Wilkner-FL)
- 070 **BOLIVIA R. Santa Cruz**, July 7 at 0058, R. Santa Cruz, good signal with music stingers and
swooshes amid news items, mentioning the word "aparecida" which could be confusing since
there is a Brazilian by that name also listed on 6135, but this was certainly in Spanish. [Omit-
ted this bit before my previous log item after 0100 of IDs and sign off] (Glenn Hauser, OK, DX
LISTENING DIGEST)
- 134 **BOLIVIA R. Santa Cruz** July 13 at 0101, good signal from R. Santa Cruz seems a bit lower than
usual but never on 6135.0 (Glenn Hauser, OK, DX LISTENING DIGEST)
- 135 **AUSTRALIA R. Australia**, July 7 at 1415, RA with classical music. 9655 (Glenn Hauser, OK, DX
LISTENING DIGEST)
- 154 **BRAZIL Super R Deus e Amor**, Curitiba, 0940 to 0950 religious service, weak but steady, gone
by 1005 28 June. (Wilkner-FL)
- 159 **KUWAIT R. Kuwait** 17550, July 8 at 2045, nice to hear R. Kuwait's C&W NAM service in Arabic
music with fair signal, in fact somewhat better than English with rock music on 15540. News
at 2051; 2058 sign- (Glenn Hauser, OK, DX LISTENING DIGEST)
- 260 **EUROPIRATE AM Summerfest Radio @ 0303Z**. Nice ID by OM and lots of back to back US pop
including theme from Dirty Dancing. <http://haddenham-beer-festival.co.uk/summerfest-radio-87-9fm/07/06/Rippel,VA>
- 305 **EUROPIRATE Power Liner Radio** (Netherlands) well heard from 0115-0200*. Pop music, "WOLD"
song and lots of great ID's. QSL to: radiorpi@hotmail.com 04/06 RIPPEL, VA
- 925 **BOLIVIA Radio Fides**, 0056-0102 July 3, rock music, 0058 YL DJ, more music past 0100; 0102
announcement possibly mentioning Fides, but too much noise, and after 0100 splatter from
RHC 6165 IS. No het this time from India, however. (Glenn Hauser-OK)
- 925 **PIRATE (No. Am.) XLR8**, 2336-0007+, 06-29-13 SIO: 232. Just caught this in the static, ID,
then Devo tune "Red Express" At 0003 UTC. (Lobdell-MA)
- 925 **PIRATE (No. Am.) Radio Free Whatever**, 6925 AM, 0127-0229*, 07-03-13 SIO: 343 DJ Dick Weed
on again With tunes by Bruno Mars, Red Hot Chili Peppers, Falco... frequent IDs, whispered ID
at QRT. (Lobdell-MA)
- 925 **PIRATE (No. Am.) WAZU**, 6925 AM, 0305-0332*, 07-06-13 SIO: 343 Fearless Fred here with nice
show of tunes and talk. Dedication to NSA leaker Snowden "Run Run Run" by Jo Jo Gunne,
promo for Ragnar's "Pirate's week", Eco "Green" news by YL. Off at 0332 with galloping horse
sound effects. email: wazu@mail.com.
- 925 **USA KVOH** - The Voice of Hope, 1804-1830 Jul 7, test broadcast with English and Spanish IDs,
e-mail address for reception reports (mail@kvoh.net) and some light music. Fair to good on
peaks but subject to very deep fades. (D'Angelo-PA) Checking at 1900 but no signal at all here
in Massachusetts. (Wood-MA) Was able to hear short test ID and theme from Route 66 here in
Florida at 1900. Seemed to go off the air at 1905. (Colton-FL)
- 925 **PIRATE (No. Am.) Captain Morgan Shortwave**, *0342-0424* Jun 23, program of mainly blues
vocals with frequent IDs and e-mail address (captainmorganshortave@gmail.com). Fair to good
signal. (D'Angelo-PA)
- 925 **OMAN Radio Sultanate of Oman**, 2016-2107 Jun 22, two men with discussion in Arabic language.
Later man hosting program of Arabic vocals. ID, bells and news at 2100. Fair. (D'Angelo-PA)
- 925 **SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia** - Holy Qur'an Service,
2224-2301* Jun 24, man with recitations until 2234 when a man announcer spoke in Arabic
mentioning Qur'an several times. More recitations followed until terminated at 2301. Good
signal. (D'Angelo-PA)
- 925 **NA PIRATE Knock Knock Radio** 7/ 0132-0146. All music related to knock, like 'Knock Three
Times' and 'I hear you Knock'n'. Good. (Turnick-PA)
- 925 **NA PIRATE Radio Echo 1** 7/13 0200-0228. Deep fades. Poor. (Turnick-PA)
- 925 **NA PIRATE WAZU** 7/16 0305-0332. Good. (Turnick-PA)
- 925 **NA PIRATE Radio Free Whatever** 7/5 0255-0321. Neat programming. Good (Turnick-PA)
- 925 **CANADA CFRX** - Toronto, 0101-0416 Jul 18, noted back on air with traffic report, ads and talk
about Mayor Ron Ford with "News talk 1010" IDs. Noted off and on past 0400 with fair to good
signal and general fair overall reception. It is nice to have them back again. (D'Angelo-PA)
- 925 **AM PIRATE (No. Am.) UNID**, 0154-0215 Jul 18, noted with rock vocals, Abbott and Costello
classic baseball routine of "Who's on First" at 0210. Partial ID caught saying "AM Radio" but
fairly noisy at that point. Generally poor reception. (D'Angelo-PA)
- 925 **PIRATE (No. Am.) Radio Free Whatever**, 0042-0107* Jul 21, noted with frequent IDs, rock music
from DJ Dick Wood. Closed with long instrumental music selection. Fair to good. (D'Angelo-PA)

- 6925 **PIRATE (No. Am.) Captain Morgan Shortwave**, *0342-0424* Jun 23, program of mainly blues vocals with frequent IDs and e-mail address (captainmorganshortave@gmail.com). Fair to good signal. (D'Angelo-PA)
- 6925 **PIRATE (No. Am.) Left Lane Radio**, 0100-0108* June 24, man announcer with several IDs and e-mail address (leftlaneradio@gmail.com), short Soviet era style music segments before closing with slow scan sounds. Fair. (D'Angelo-PA)
- 6935 **NORTH AMERICA - PIRATE Grizzly Bear Shortwave @ 0230Z**. ID by OM announcer then into obscure pops. Well heard in VA ! RIPPEL, VA
- 6935 **NORTH AMERICA - PIRATE Northwest Radio @ 0210Z**. ID by OM anncr into Uriah Heep. They do not E-QSL, "It's a PITA." 07/06 RIPPEL, VA
- 6950 **PIRATE (No. Am.) Northwoods Radio**, 6935 USB, 0227-0248*, 07-06-13 SIO: 444 JackieP Savage sounding very good With tunes by CSN&Y, Neil Young, Mt. Kisco parody tune from WHYP, I think ,to the tune of "Ohio", Fleetwood Mac, etc. Off with Morse code 0248. (Lobdell-MA)
- 7275 **PIRATE (No. Am.) UNID**, 0344-0400* (?) Jun 30, seemed to be parody ad, music fanfare followed by Dean Martin "In the Misty Moonlight" and "Teenager in Love". More talk but deteriorating rapidly. Either closed down or lost in the noise. Poor overall. (D'Angelo-PA)
- 7906 **PIRATE (No. Am.) Wolverine Radio**, 6950 USB, 0207-0300*, 07-06-13 SIO: 454 North America's most powerful pirate on again With tunes having the words "America" and "Born" in them. Off with ID and SSTV image. No contact info still. (Lobdell-MA)
- 8989 **TUNISIA Radio Tunisienne**, 0523-0537 Jun 25, male vocal selection followed by a woman announcer with Arabic language talks. More vocals accompanied by flutes. Fair to good. (D'Angelo-PA)
- 9420 **PIRATE (No. Am.) Left Lane Radio**, 0100-0108* June 24, man announcer with several IDs and e-mail address (leftlaneradio@gmail.com), short Soviet era style music segments before closing with slow scan sounds. Fair. (D'Angelo-PA)
- 9420 **NICARAGUA "El Pescador Preacher"**, 0006-0012, USB Jun 30, thanks to Wilkner tip finally heard with man announcer with Spanish talk until ended transmission. Poor to fair. (D'Angelo-PA)
- 9465 **GREECE Voice of Greece**, 0350-0422 Jun 22, first chance for me to check after terminating service and restoring service. Man announcer with usual Greek talks hosting program of Greek music. A few audio drop outs along the way so possibly some technical problems are not resolved? Time pips, ID and news by a woman announcer at 0400. Good. (D'Angelo-PA)
- 9580 **VIETNAM Vietnam Coast Radio Station** 1052 to 1100 weak, noted tnx Ron Howard 6 July. (Wilkner-FL) Not quite shortwave broadcast but interesting nevertheless - RAD
- 9580 **CYPRUS** 9658-9683, July 8 at 0050 and still at 0106, strong OTH radar pulses in the middle of the 31m SWBC band! Mainly tearing up VOR English 9665 (and its Brazilian het), while Serbia 9685 is strong enough and aside enough to escape it. Cyprus is just a guess for these typical 25-kHz wide messes. Then there is more noise, DRM from COSTA RICA 9630 extending out to 9605-9655 (Glenn Hauser, OK, DX LISTENING DIGEST)
- 9595 **NA PIRATE Radio Jihad** 7/4 2204-2220. A lot of variety. Fair. (Turnick-PA)
- 9658 **U S A WTWW-3** 12105, July 8 at 1255, WTWW-3 Bible Worldwide is already on in Russian, unusual as normally comes on after 1300; CCI and SAH from KSDA Chinese. Intention per WTWW schedule is to start at 1100 (Glenn Hauser, OK, DX LISTENING DIGEST)
- 9680 **AUSTRALIA R. Australia**, 1220- Jul, with town hall/panel forum about Indonesia, apparently from Indonesia (Glenn Hauser-OK)
- 9760 **OMAN Radio Sultanate of Oman**, 0138-0156* Jul 4, woman announcer with Arabic talk and music. Later talk by a man and a woman. Brief segment of instrumental music prior to close of transmission. Fair to good. (D'Angelo-PA)
- 9760 **INDONESIA RRI**, 1417- Jul 7, fair with music, Indonesian announcements, and NO CCI from the China radio war for a change. (Glenn Hauser-OK)
- 9760 **OMAN R. Sultanate of Oman**, 0117- Jul 7 at 0117, fair signal with ME music (Glenn Hauser-OK)
- 9760 **RUSSIA Voice of Russia - Armavir**, 2346-0007 Jul 9, English features with ID and information at 2359 closedown of English service to South America. After Kremlin bells opened with Spanish service, ID and news. Fair. (D'Angelo-PA)
- 9835 **MALAYSIA RTM** July 12 at 1259, RTM romantic music until two-pip timesignal at 1300, way late, by maybe 8 seconds, but I was not watching my watch to time it exactly. Another one to pin down and see if it varies or slips. Tried 11665 during the talk/news on the hour, and seemed // but too weak to be positive, maybe not synchronized. Definitely diverged at 1305 (Glenn Hauser, OK, DX LISTENING DIGEST)
- 9835 **OMAN Radio Sultanate of Oman**, 0138-0156* Jul 4, woman announcer with Arabic talk and music. Later talk by a man and a woman. Brief segment of instrumental music prior to close of transmission. Fair to good. (D'Angelo-PA)

- 545 **MALAYSIA RTM**, 1210- Jul 4, Qur'an, so suspected the recitation competition Ron Howard has been hearing from RTM, but 1212 into variety of music, so apparently not now; good signal but with flutter, our best bet by far for Malaysia. (Glenn Hauser-OK)
- 545 **NICARAGUA "El Pescador Preacher"**, 0006-0012 Jun 30, thanks to Wilkner tip finally heard with man announcer with Spanish talk until ended transmission. Poor to fair. (D'Angelo-PA)
- 545 **OMAN Radio Sultanate of Oman**, 0138-0156* Jul 4, woman announcer with Arabic talk and music. Later talk by a man and a woman. Brief segment of instrumental music prior to close of transmission. Fair to good. (D'Angelo-PA)
- 660 **GREECE Voice of Greece**, 0350-0422 Jun 22, first chance for me to check after terminating service and restoring service. Man announcer with usual Greek talks hosting program of Greek music. A few audio drop outs along the way so possibly some technical problems are not resolved? Time pips, ID and news by a woman announcer at 0400. Good. (D'Angelo-PA)
- 670 **CLANDESTINE (Afghanistan) Radio Salaam Watandara** - Tiganesti, 0351-0400* Jun 30, man announcer with talk in Pashto language followed by a woman announcer with apparently ID and closedown announcements. Poor to fair. (D'Angelo-PA)
- 670 **CHINA China Radio International** - Kashi, 2114-2133 Jun 22, woman announcer with French talk hosting pop music program. Id at 2130 followed by a man with news. Fair. (D'Angelo-PA)
- 680 **INDIA All India Radio**-Bengalaru, 2152-2230* Jun 24, man and woman singing Hindi duet. ID at 2150 by a woman announcer in English with News at 2200 by another woman announcer. ID at 2210 followed by commentary about Sri Lanka's 13th amendment. Another ISD at 2215 followed by a man announcer hosting Economic Review program. Close down at 2229. Fair to good signal. (D'Angelo-PA)
- 1710 **ARGENTINA Radiodifusión Argentina al Exterior** (English Service) *0200Z speaking of damage to several key cities from flooding. Excellent strength ! 07/03 RIPPEL, VA
- 1710 **ARGENTINA RAE**, July 13 at 0108, RAE way off-frequency as always. BTW, the DX programs on UT Thu and Sat around the middle of the 02-03 English hour appear to have been dropped; if anyone hear one, please report. Continuing in the original Spanish, and German at least (Glenn Hauser, OK, DX LISTENING DIGEST)
- 1750 **IRAN VOIRI** 1930-2030* in EE. Popular music and news commentary 07/04 RIPPEL, VA
- 1760 **CUBA RHC** July 10 at 1910, I notice that the first RHC English hour of the day is just barely modulated (JBM) altho the signal level is fairly good.
- 1815 **GERMANY (East) Radio Japan** - Nauen, 0258-0313 Jul 12, Japanese talk by a woman announcer buried under Radio Havana Cuba in Spanish on same channel. News at 0300 by a man announcer improving somewhat as Cuba faded down a little. (D'Angelo-PA)
- 1855 **BRAZIL Radio Brasil Central** - , 0140-0225 Jul 10, male announcers in Portuguese with coverage of futbol match. Ids, jingles and half time coverage beginning at 0150. Fair but no sign of 4985 outlet. (D'Angelo-PA)
- 1865 **MOLDOVA BBC** - Grigoriopol - Maiac, 0317-0330* Jul 14, talk by man and woman announcers in listed Farsi language. ID at 0329 followed by time pips at 0330 ending transmission. Poor to fair. (D'Angelo-PA)
- 1895 **EGYPT Radio Cairo**, 2229-2245* Jul 5, apparently English Service but talk was so muddled it was almost impossible to understand language. Music came through okay. Closedown at 2244 with anthem sounding tune. Poor. (D'Angelo-PA)
- 1895 **RWANDA Radio Deutsche Welle** - Kigali, 1944-2012 Jul 13, English service with African news features hosted by a woman announcer. Off mid-sentence during feature about South African leader Nelson Mandela. But returning at top of the hour with news and more feature programming. Poor to fair with moderate fading. (D'Angelo-PA)
- 1915 **EGYPT Radio Cairo**, 2229-2245* Jul 5, apparently English Service but talk was so muddled it was almost impossible to understand language. Music came through okay. Closedown at 2244 with anthem sounding tune. Poor. (D'Angelo-PA)
- 1975 **CHINA China Radio International** - Kashi, 2114-2133 Jun 22, woman announcer with French talk hosting pop music program. Id at 2130 followed by a man with news. Fair. (D'Angelo-PA)
- 1975 **INDIA All India Radio**-Bengalaru, 2152-2230* Jun 24, man and woman singing Hindi duet. ID at 2150 by a woman announcer in English with News at 2200 by another woman announcer. ID at 2210 followed by commentary about Sri Lanka's 13th amendment. Another ISD at 2215 followed by a man announcer hosting Economic Review program. Close down at 2229. Fair to good signal. (D'Angelo-PA)
- 1975 **SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia** - Holy Qur'an Service, 2224-2301* Jun 24, man with recitations until 2234 when a man announcer spoke in Arabic mentioning Qur'an several times. More recitations followed until terminated at 2301. Good signal. (D'Angelo-PA)

- 11985 **ASCENSION ISLANDS FEBA Radio**, 2203-2215* Jul 5, long talk in listed Hassinya language with a music segment at 2213 prior to closedown ID and announcements with brief instrumental music until carrier was terminated. Fair. (D'Angelo-PA)
- 11985 **CLANDESTINE (Afghanistan) Salam Watandar** (presumed), 0352- Jul 4, with calm talk in presumed Pashto, SINPO 25222, (Glenn Hauser-OK)
- 11985 **ROMANIA Radio Romania International** - Galbeni, 2039-2052 Jun 22, English broadcast with stories about massive debt resulting in privatization; Romanian doctors complaints about health care system and Moldova conflicts. Good signal. (D'Angelo-PA)
- 12002 **UNITED KINGDOM Voice of Vietnam** relay - 7/3 0112 noted with news analysis and music in English. Good signal. (Bueneman-MO)
- 12105 **NEWFOUNDLAND CKZN** approx., July 9 at 0050, poor signal in English, surely CKZN back or (near) frequency after months circa 6160.8 producing a big het with CKZU and anyone else (Glenn Hauser, OK, DX LISTENING DIGEST)
- 13570 **UNITED STATES OF AMERICA WINB** Red Lion, PA - 7/1 1957 noted with Christian teaching program, legal ID at 2002. Good signal. (Bueneman-MO)
- 15120 **ASCENSION ISLANDS FEBA Radio**, 2203-2215* Jul 5, long talk in listed Hassinya language with a music segment at 2213 prior to closedown ID and announcements with brief instrumental music until carrier was terminated. Fair. (D'Angelo-PA)
- 15140 **ROMANIA Radio Romania International** - Galbeni, 2039-2052 Jun 22, English broadcast with stories about massive debt resulting in privatization; Romanian doctors complaints about health care system and Moldova conflicts. Good signal. (D'Angelo-PA)
- 15400 **EAST TURKISTAN CRI**, July 10 at 0059, " (Glenn Hauser, OK, DX LISTENING DIGEST)
- 15476 **ANTARCTICA LRA36** July 10 at 1940, tnx to Dave Hughes tip, the Twente, Netherlands remote receiver is picking up LRA36 better than usual. Looks like the signal meter is showing peak of about -72 dBm, with music, 1943 & 1950 announcements but still cannot make them out fading down by 2000 (Glenn Hauser, DX LISTENING DIGEST)
- 15505 **SUDAN [and non] R. Dabanga**, July 10 at 0511, 1 kHz tone jammer mixing with R. Dabang via MADAGASCAR, but both weaker than usual in degraded propagation (at 0518 WWV says I index at 0300 was 5; G1 and R1). Even DW English via Rwanda 15275 is weak (Glenn Hauser OK, DX LISTENING DIGEST)
- 15720 **NIGERIA Voice of Nigeria**, 0612-Jul 6, on with English news going from African to other parts fair signal. There was no sign of it an hour earlier though the broadcast supposedly starts circa 0445. (Glenn Hauser-OK)
- 17550 **BANGLADESH BB**, July 9 at 1358, IS playing, fading down for unimpeded but always inaccurate 5+1 timesignal ending at 1359:32.5, i.e. 27.5 seconds faster than anywhere else in the UT+ zone. Signal level a little better than lately, but still only poor (Glenn Hauser, OK, DX LISTENING DIGEST)
- 17775 **USA KVVOH** - The Voice of Hope, 1804-1830 Jul 7, test broadcast with English and Spanish ID: e-mail address for reception reports (mail@kvoh.net) and some light music. Fair to good o peaks but subject to very deep fades. (D'Angelo-PA)
- 17775 **NEW ZEALAND RNZI**, 0448-Jul 4, no signal from RNZI which is normally quite good, and Australia was in booming on 15515, 15240 and 15160. Must be off the air (or on totally wrong frequency as sometimes happens, like 7330, computer programming screw-up?). Nor any signal on 1172 at 0515, nor DRM on 11675. Next check at 1218, correct 9700 is on the air with 'Checkpoint usual deficient signal here aimed at Timor. (Glenn Hauser-OK)
- 17795 **AUSTRALIA Radio Australia** - 7/1 0245 noted with talk on Croatia's entry into the European Union in English. Fair signal. (Bueneman-MO)

Quite a few Pirate logs. Free Pirate Radio is alive and well.

73's Dive

NASWA Facebook Page

Join moderator **Richard Murphy** <richard.murphy@swri.org> at the club's Facebook page which provides members with another way to keep in touch. While the existence of the group is visible to all Facebook users, the online postings are available only to group members and group members must be NASWA members. Comments and suggestions from the membership are welcome. To locate the NASWA Facebook page, simply enter "North American Shortwave Association" into the search box on the top toolbar. If you are into social media, give it a try.



On the Shortwaves

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

< www.ontheshortwaves.com > Update, June 23, 2013 -- It is easy to forget that, before wordprocessing and e-mail, QSLing was an entirely manual process of laboriously typing individual letters to stations, and awaiting their reply via the postman. Reports could become formulaic, and so it is nice to see the chatty and personalized style adopted by one listener, Miss Geraldine B. Chandler, in her 1935 report to PRF5, Comp. Radio Internacional do Brasil, Rio de Janeiro, which is shown in her correspondence with the station that is posted in "DX History/SWLing & DXing." Geraldine's report covered her reception of July 20 and July 22, 1935. The station acknowledged her report over the air on August 12 (she didn't hear it), and replied to her by mail on September 4, sending her a book of Brazilian songs, autographed by the manager of the radio division of the Dept. of Propaganda, which produced the program. It looks like they also sent her a Christmas card. After a long hiatus, Geraldine wrote to the station again--on February 13, 1937--where we learn that she lived in Brookline, Mass., near Boston, and that the location where she had been listening in July 1935 and from which she had sent her report--Rockport, Mass.--was her summer address. That her reception was, as she said, better there than in Brookline is no surprise, since Rockport--still a popular summer vacation destination--is right on the water. Except for the absence of information about her receiver and antenna, the report would be a credit to any DXer. Her transcription of the PRF5 station announcement appears to be virtually verbatim.

< www.ontheshortwaves.com > Update, June 30, 2013 -- Under "Specialized Resources," "Radio Postcards," we've posted a file containing 10 mostly-oldie radio station postcard views from Japan. They are: (1) to (3), JOAK, the Tokyo Broadcasting Station; (4) to (6), JOCK, the Nagoya Central Broadcasting Station; (7) to (9), JOHK, the Sendai Broadcasting Station; and (10) a modern photo of the NHK building in Hiroshima. -- Under "Specialized Resources," "Wavescan," there are two new entries from Dr. Adrian M. Peterson: "On the Air in the Island: DX Programs From SLBC Ekala" (June 9, 2013), and "100 Years of Wireless and Radio in Bulgaria-6: Through the Years" (June 23, 2013) -- **AND FOLLOWERS OF www.ontheshortwaves.com PLEASE NOTE: The content of ontheshortwaves.com is now searchable. The search box is located on our Homepage. Give it a try. The search capability includes much of the content of the individual items posted on the site (including the "Wavescan" articles, located in "Specialized Resources"). Thanks to John Herkimer for making this a reality, and for enhancing the usefulness of the site to all those interested in radio history.**

< www.ontheshortwaves.com > Update, July 7, 2013 -- We all know Trans World Radio. But did you know that it began in 1954 as the Voice of Tangier, operating at first with 2.5 kw., then 10 kw.? This week, under "DX History/Stations," we have posted a 1959 booklet, "Reaching Russia," about one of the station's goals: putting its signal into the Soviet Union. More religion and Russia than radio, the booklet contains some pictures and other info about the station. We will be posting more about TWR soon. -- And under "Specialized Resources," "Wavescan," you will find a new entry: "Tribute to Family Radio Shortwave: The Early Years in New York" (June 30, 2013).

< www.ontheshortwaves.com > Update, July 14, 2013 -- The "Mountains of the Moon" would surely be a destination to get the DX juices flowing. They were the geographical target of the 1947-48 Gatti-Hallicrafters Expedition to Kenya, Tanganyika and Uganda. Said to be the first commercially-sponsored amateur DXpedition, and a big event in ham radio, the trip was the brainchild of adventurer-explorer-author-promoter Attilio Gatti, veteran of ten pre-war trips to Africa. Gatti's main partner in the adventure was the Hallicrafters Co. Under "DX History/Equipment & Advertising," we have posted a promotional booklet that was published by International Harvester Co., which supplied the trucks for the expedition. The booklet was published after the expedition was over. The story of the Gatti-Hallicrafters Expedition is an interesting one. To read more about it go to a site devoted to the expedition < <http://www.qsl.net/p/pa0abm/ghe/> > We will have more about the expedition next time.

< www.ontheshortwaves.com > Update, July 21, 2013 -- Last time we posted an International Harvester promotional booklet on the Gatti-Hallicrafters Expedition to the "Mountains of the Moon." This time, under "DX History/Equipment & Advertising," we have posted another promotional booklet about the expedition, this one by Hallicrafters itself. The booklet was published before the expedition actually took place.

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