

# SHORTWAVE BULLETIN

Issue no. 1759, Nov 25, 2012.

Deadline e-mail next issue: 0900 SNT, Dec 9, 2012.

Tiden går nu väldigt fort mot jul. Jag är sekreterare i hembygdsföreningen här i Höja och kl 1200 startar årets julmarknad där vi försöker få in lite pengar till verksamheten. Det blir allt svårare att få ekonomin i föreningarna att gå ihop. Julmarknad är ju ett sätt, men på senare tid verkar alla ha kommit på samma idé.

Kl 0730z startade jag inspelningen på 1314 för att försöka höra den norska testsändningen på 1314. Stationen fanns där med cd 0833z men någon audio blir nog svårt att få fram, Rumänien samt en tysktalande låg på. Analys skall göras senare. Många trevliga tips och andra artiklar har dykt upp, vilket vi tackar speciellt för. Trots allt finns det fortfarande lite godbitar att fånga. Håll utkik efter Papua nu på 90 mb. Fick lyssna på HM:s fina inspelning på 3365. Ingen dålig signal!

Även 3360 Radio JPJ gick hur starkt som helst i natt.

Keep on ....

=====

**R e d a k t i o n :**

*Thomas Nilsson  
Mardalsv. 372  
262 93 Ängelholm*

*Tel: 0431-27054*

*E-mail:  
[thomas.nilsson@ektv.nu](mailto:thomas.nilsson@ektv.nu)*

## SWB-info

SWB online på HCDX: <http://www.hard-core-dx.com/swb>  
SWB member information: <http://www.hard-core-dx.com/swb/member.htm>  
SWB anniversary issue: [http://www.hard-core-dx.com/swb/SWB\\_history.pdf](http://www.hard-core-dx.com/swb/SWB_history.pdf)  
Dateline Bogotá 1993-1998: <http://www.hard-core-dx.com/swb/Dateline.htm>  
SWB latest issue: <http://www.thomasn.sverige.net/password.htm>

## QSL, kommentarer, mm.

**Chuck Rippel:** I'd like to point out that John Herkimer actually heard and logged the station, I simply commented on a propagation opinion.

You have the azimuth software attached to another e-mail. Perhaps the link can be shared with other SWB readers ?

Speaking of MW, I erected my Split Delta antenna. Brett Saylor and I saw this article in Popular Communications magazine 2 or 3 years ago and decided to try it. Although a smaller antenna, I am surprised at the good performance !

Its a smaller antenna making it a little more useable on properties and even perhaps gardens that are not that large. Attached are scans of the original article again, to share with SWB readers if you wish.

The Azimuth software is called AZMAP. I have included a zip file of the software as an attachment but its available here: <http://www.aa6z.com/>

Dan Henderson was carrying this around on his laptop a few R'Burgs ago. Its freeware and works nicely.

*(AZMAP is the software seen in latest SWB showing the East Coast long path reception of R Hargeisa. You can read more about this nice software further down. You can also find a few lines about the Split Delta antenna there .JTN)*

**Robert Wilkner:** Celebrating "Thanksgiving" in the US. President Lincoln proclaimed this day of thanks during the Civil War of 1861 - 1865 which abolished slavery.

Hope that all is well with you and family. It is 50F today with a bit of wind but too little rain.



Picture: "Visit by Ken Walters to Pompano Beach. Examining the Sony ICF-SW7600GR over breakfast at a favorite local diner."

**John Ekwall** på besök hos Nils Olsson i Uberlandia skickade en överraskande lägesrapport till mig, Bengt Ericsson, Hasse Mattisson och Björn Fransson.

*Först Nils: Hej Gubbar!!*

Har nu besök av John Ekwall och lämnar en liten lägesrapport. Vädret är fint, sol mellan lätta moln och 31 grader. Vi har tillbringat förmiddagen med motion ( promenad och simning) på

Cajubá Country Club och därefter "cerveja" och en drink innan vi lunchade där. Nu har vi precis vaknat efter siestan och skall snart ha lite eftermiddagskaffe. Sen ikväll tar vi det lugnt med några köttbitar, vin och en 15 årig "scotch". Bättre än svenskt höstväder, tycker vi.

Vi har varit i Brasília, där John fick se Niemeijers arkitektur och se staden i allmänhet. Trevlig tour!

*Nu lämnar jag över ordet till honom (dvs JOE).*

Semester eller relax - ja det är nog svårt att välja för en gubbe. Härligt här nere där fler borde "titta in". Mycket mat och mycket öl "som i KRÖK-tider" sedan är det naturligtvis en massa mer som av censur inte kan komma med.

Radio - jo. Vi har besökt en pirat-station. Bilder och mer om detta i en separat artikel längre fram.

Nu är det kaffe med gök som väntar.. Skål broder! 73 de NIOL och JOE

*(JOE, vi väntar med spänning på ett litet fylligare reportage från ditt stations besök och upplevelserna i Uberlandia. TN)*

**Steve Calver:** I was passed a copy of your SW Bulletin by a DX'er friend, Mark Davies in Anglesey, Wales. He suggested i send my logs to you for inclusion in the next bulletin. although they are not fantastically DX logs i hope you can use them. if you would like me to continue sending logs in please just ask, in the meantime keep up the excellent work Thomas and thanks for letting me read a copy of your "e" magazine..... 73...Steve.

*(Steve, nice to hear you enjoy reading SWB. Your log is very much appreciated. I took the liberty to reduce the log a bit only including the better ones. Hope this is OK in the future. /TN)*

**Fredrik Dourén:** Ingen lyssning sedan i somras. Har lagt min tid på rapportskrivande i stället. Snart blir det dock långhelg varannan helg. SSAB planerar att införa 80% arbetstid 90% lön, vilket då innebär ledig varannan fredag/måndag. Så kanske lite mer tid över för lyssning framöver. Företaget uppmanar även oss att ta ut så mycket ledighet vid jul/nyår vilket jag också kommer att göra.

Svar från **Alcaraván R 5910** samt **LV de tu Conciencia 6010** med e-QSL från Rafael Rodriguez. e-QSL från **R Logos 4810** även det från Rafael trots rapport till [cp6rr@yahoo.com](mailto:cp6rr@yahoo.com) . **R Verdad 4055** med epost glömde jag av att jag också har fått.

(längre fram kommer förklaringen på varför det är så. /TN)

RADIO LOGOS 4.810 Khz  
OAW9A Tropical Band 62 m.  
Chazuta, San Martin, PERÚ

Q.S.L.

S: FREDRIK DOURÉN  
From: Borlange, Sweden  
Date: August 6, 2012  
Time UTC: 0100 to 0308  
Ray Rising  
Project Director

EthnicRadio.org

Sharing the Good News to remote jungles and far flung language groups in the only language that they really understand: Their own.

## Log

(UTC)

3280			<b>Voice of Pujiang</b> , Shanghai, noted 1225 OM in dialect on 11/17, parallel to better fqy of 5075. No 4950 // noted, tho. (Correcting typo in yesterday's report.) (Perry, Illinois)
3310			<b>Radio Mosoj Chaski</b> , Cochabamba 2320 -2340 y! repeating telephone numbers very strong signal, then into Quechua, 16 November (Wilkner)
3320			<b>PBS Pyongyang</b> 1125 -1135 some audio used as band indicator, 18 November (Wilkner)
3329,53			<b>Ondas del Huallaga</b> , Huánuco 0945 to 1045 good signal om with " Radio ondas del ..." yipping with music, CHU strong but notched, 5 November (Wilkner)
3359,4			<b>Unid.</b> Massive Open Carrier noted 1000 to 1005 on 9 November (Wilkner)
3360	Nov 24	2330	<b>Radio JPJ</b> extremely strong with nice ID "Radio jota-pe-jota del Peru" in parallel to their website with a slight time difference. Slogan acc to website "Fuerza musical del Perú para el mundo" See <a href="http://www.radiojpi.com/">http://www.radiojpi.com/</a>
3365	Nov 22	1957	<b>Radio Milne Bay</b> . Hasse Mattisson in Sweden enclosed a very good recording of this one from this special evening. He has been monitoring this frequency for a few days and finally he was lucky to get a good signal.
4045u			<b>Bahamas, South Riding Rock</b> 1152 sailing vessel weather and chat, 9 Nov (Wilkner)
4045u			<b>Dominican Republic</b> , 1201 motor sailing vessel weather conditions chat, 6 November (Wilkner)
4045U			<b>Caribbean Weather Station</b> 1200 to 1205 with weather from Chesapeake Bay down East Coast to Georgia for boat in the bay. Decent signal but could only just barely hear the boat. 6 November (XM)

4055 **Radio Verdad** 0937 Children's chorus vocal with strong signal, 5 November (Wilkner)

4319u **Diego Garcia.** AFN 2230 om English in the clear with no UTE interference, 18 November (Wilkner)

4451,2 **Radio Santa Ana,** Santa Ana de Yacuma 2330 to 0030 16 November, 17 November ... a regular with weak signal, usually om chat (Wilkner & XM)

4660 **UNID.** Am still daily hearing an open carrier here which I assume is from AIR Leh; have yet to catch any audio. (Ron Howard, Calif.)

4700 **Radio San Miguel,** Riberalta 1000 to 1020 fade on 22 November, seem off on Sunday morning at this time. (Wilkner & XM)

4716,19 **Radio Yatun Ayllu Yura,** Yura 1000 to 1015 fade out, 22 November and also off Sunday mornings at this time (Wilkner & XM)

4747 **Radio Huanta 2000** Huanta Ayacucho 1000 to 1030 with strong signal 18, 20 and 22 November (Wilkner & XM)

4747,10 Nov 8 2335 **R Huanta 2000,** Huanta Spanish talk 25222 AP-DNK

4747,10 **Radio Huanta 2000,** fair/good reception 11/16, strong signal but a noisy morning. 1018 YL with lengthy PSA or commercial for "productos cubanos", then followed by both OM and YL in discussion about these imports. At 1023, more normal programming resumed with locutor announcing "... esta programacion llega Uds. a traves de Radio Huanta, en la ciudad de Huanta ..." with a 5:23 a.m. t/ck and then into pgm of peppy folkloric music on electric guitar – interesting fusion! (Perry, Illinois)

4749,96 **RRI Makassar,** 1324, Tuesday, Nov 19. Again heard with their new format of the Kang Guru Indonesia ("K-G-I") program in English (Tue. only); 1349 played one of their distinctive theme songs: "Friends"; poor underneath a strong CNR1 (Ron Howard, CA)

4774,98 Nov 8 2330 **R Tarma,** Tarma Spanish talk by two men 25232 AP-DNK

4775 **Radio Tarma.** Tarma 1020 to 1045 Very strong signal 6 November (Wilkner)

4775 **Radio Tarma,** great signal on 11/16 at 1026 t/in, OM deejay rapidly talking over OA folkloric mx in background, "... todos Uds. amigos ... ARRIBA!!!" Then into huaynos featuring YLs singing, accompanied by arpa and plucked guitar bass. At 1029, our over-caffeinated locutor again, this time yelling about "... ahora, aqui la musica de Cusco !! ..." At 1030, OM with clear "Radio Tarma" ID and, for those just awakening, "...Amigos, el dia de hoy esta Viernes, diez y seis. Viernes, diez y seis! Arriba! Radio Tarma presenta 'musica folklorica nacional'." At 1034, nice rustic accordion music and at 1035, OM and YL yelling en eco, mentioning "Radio Tarma" over start of next song. (Perry, Illinois)

4776,0 **AIR Imphal. (ex-4775.0),** it was back in Jan 2007 that I last heard this off frequency. 1501-1515, Nov 15; subcontinent music till the switch over at 1512 to the audio feed relay from New Delhi with tone and ads in Hindi before the 1515 news in Hindi. The 1512 change over to New Delhi audio is an excellent time to check all the AIR stations for parallels; heard today: 4760, 4810, 4820.85v, 4840, 4860, 4880, 4895, 4920, 4970, 5010 and 5050. And a second day off frequency; 1408 on Nov 16; I neglected to mention with yesterday's log, what I tend to take for granted here: the ever present CODAR QRM. (Ron Howard, CA)

4781,64 **Radio Oriental,** Napo 1100 to 1115, exceptionally strong signal on sign on then fades out. 4 November and most local mornings (Wilkner)

4781,72A Nov 23 at 0035, as I tune in, Spanish timecheck for 19 horas, 35 minutos, i.e. UT-5; "música, en Oriental, tu Radio". Earlier this month in the mornings at \*1100, Bob Wilkner in FL had R. Oriental, Napo, on 4781.64, and Ralph Perry in IL on 4781.68 (Glenn Hauser, OK)  
*On Nov 23 at 2356z R Oriental was noted here on 4781,671. This station also drifting a little. /TN*

4800 Nov 20 0008 **UNID.** hyper Chinese talk in typical CNR1 style, no doubt the Geermu 916 site which is 100 kW non-direxional and on the air 22 and 2/3 hours per day per Aoki, now near grayline. Just where is Geermu, anyway? WRTH map puts it in remote west-central China, just outside (?) Tibet. Very detailed Readers Digest Great World Atlas 1997 does not list it in the seemingly exhaustive index, nor under alternate name Golmud! But we find it on the map under the latter name at 95 East/36+ north. The much older 1979 RD Wide World Atlas spells it Ge`ermu both in index and on map, and indicates it's within Qinghai, considerably north of the Tibet boundary. So which name is preferred now? And by whom? Was hunting for Andeans, but instead found this, also somethings on 4820 and very poor Chinese on 4920, presumably both Tibet, Himalayans (Glenn Hauser, OK)

4810,00 Nov 9 2400 **R Logos,** Chazuta, Tarapoto (t) Spanish talk, only audible in LSB because of constant strong DRM-like noise in USB Also Nov 7 & 8. 13211 AP-DNK

4810 **Radio Logos** Chazuta, Tarapoto, noted carrier with some audio 2310 to 2340 on 5 November, XM reported hearing Logos at 1030 on 6 November -"Radio Logos appeared here briefly, poor level under CODAR, faded out rather quickly" - ; 2235 to 2330 noted



- Flauta Andina, vocals and instrumental music on 6. November, 1020 very strong with Flauta Andina 1050 on 8 November, 1008 to 1030 very strong signal on 9 November. Much stronger signal 1000 time frame than 2300 in South Florida. Being heard in Europe. Silent for the last few days, confirmed in Peru (Wilkner & XM)
- 4814,64 **UNID.** Nov 23 at 0038, music and Portuguese announcements vs CODAR, and must use USB tuning to take out uteblob on lo side which is also an obstacle to the hi side of 4810 R. Logos. Recheck at 0058 when M&W are talking, 0101 some electronic SFX, 0102 ID mentions OM and ondas curtas 62m, don't catch the name or call sign. But the only Brazilian around here is Rdif. de Londrina, Paraná. Website indicates they are totally religious format, and also calls 4815 ``ondas curtas 62m`` rather than onda tropical. However, Ralph Perry and Jim Young have measured it on 4814.97 in recent days (Glenn Hauser, OK)
- 4814,98 *This frequency seems to vary a little, noted here on Nov 22 on 4814,971 at 0000z. /TN*  
**Radio El Buen Pastor**, Saraguro, still stable on this fqy and available some mornings, but weak. Nearby Brazilian already faded out. Noted stn 11/21 at 1050 beginning to fade in, usual bassy-voiced OM in both SS and indigenous lang, spoke thru to TOH when long recorded ad block began, some en eco, ads including local 'numeros telefonos'. Despite tough signal, happy to hear several 100% clear mentions of "Saraguro" as location for advertisers. Signal peaked by 1103 when HC pasillo began, but only fair at best and under blipping ute. 1106 sound effect bridge and segue to more HC musica nacional, plucked acoustic guitar. By 1110 signal fading down into the ambient noise and no longer listenable tho carrier could still be traced. Weak station, only probably 1/10 the signal that Radio Oriental 4781+ was putting thru at same time, for sake of comparison. (Perry, Illinois)
- 4824,49 **La Voz de la Selva**, Iquitos notes signing on late 1121 Sunday 18 November. Also noted 0055 on 22 November. Has been heard in Florida regularly for last 8 months. Note: "4824,4, 10, PRU, La Voz de la Selva, Iquitos, 1000v-1300v 2300-0100v S rlg, ID: "LVS", FEB12" was in Domestic Broadcast Survey no. 14 (Wilkner & XM)
- 4824,96 **unid** station here weakly with mx at 2355 on 11/20, partly underneath 'boinker' ute and best hrd in USB ECSS. Radio Cancao Nova, Cachoeira Paulista, Brazil, has been regularly reported on this precision-measured fqy in past. Mx to TOH, bells or tones at 0000 and then OM + YL in what seemed to probably be PP discussion. Note: Have spent many mornings and evenings monitoring this fqy, looking for the reportedly reactivated LV Selva, but other than 4824.49 open carrier at 1040+ (which never goes to programming, all the way past 1110) and Radio Sicuani 4826.59 some mornings, and the Brazilian, seems nothing else there to be heard. Perhaps a little help from LA DXing friends closer to Iquitos – e.g. PFA, are you hearing a reactivated LV Selva? Anybody else hearing LVS? Thanks in advance. (Perry, Illinois)
- 4826,5 **Radio Sicuani**, Sicuani, Cusco 0900 with good signal, often the first Peruvian heard in the morning, 17 November and other days as is a pattern Wilkner & XM)  
*Noted here in Ángelholm on Nov 24 at 2330 on 4826,575. This night good signals towards Peru. TN*
- 4828t **Zimbabwe VOZ** 0350 - 0400 strong carrier with some audio, music ?. Same time 171 kHz Morocco strong and 4780 Djibouti still in. 5066.3 at 0355 - 0410 strong carrier with no audio. 21 November. Also see Dave Valko Logs..... (Wilkner)
- 4835 Nov 7 2025 **VL8A** Alice Springs. Ee. "The Man With The Golden Gun" Bond film. Playing more Bond film songs. Lovely sig. Steve Calver
- 4850 **AIR Kohima**. Usual format on Nov 14 from 1340 to 1359 news in Hindi and English; ad in Hindi till suddenly off at 1400. Not as good a reception as heard Oct 30. Still with very erratic schedule of broadcasting. Not heard Nov 15. Certainly hope that they will be on the air with full coverage of their major Hornbill Festival during the first week of Dec, as it is their most important event of the whole year in Kohima. <http://www.hornbillfestival.com/> (Ron Howard, CA)
- 4860 **AIR Shimla**. When they first moved here from former 4965, the audio was very low (Oct 28 and 29), but that was quickly fixed. Heard daily with good modulation. Nov 14 with subcontinent music from 1508 till the switch over at 1512 to the audio feed relay from New Delhi with tone and ads in Hindi before the 1515 news in Hindi. (Ron Howard, CA)
- 4910 **VL8T** Tennant Creek 0805 to 0830\* sign off in mid sentence, seemed to be an interview 17 November (Wilkner)
- 4955,01 Nov10 2335 **R Cultural Amauta**, Huanta Spanish conversation between man and woman 25332 AP-DNK
- 4990 **AIR Itanagar**, 1423-1425\*, Nov 16. In progress with the news in English; 1425 AIR theme music that is played at the start and end of their news; brief announcement in Hindi and audio ended; open carrier still on at 1429; poor (Ron Howard, CA)

5010,0			<b>Radio Madagasikara</b> (USB + carrier). On Nov 13 was able to confirm // with 6135.19v at 1427 with pop African music (Ron Howard, CA)
5010	Nov16	1716	<b>AIR. Thiruvananthapuram.</b> Via Chennai. Hindi. Weak Indian mx under qrn. Steve Calver
5014,965	Nov15	0200	<b>Tent R Cultura</b> , Cuiabá, MT, acc to IPDA website with "Vóz da Libertação" from Church "Deus é Amor Mato Grosso ", 24 hours with this program, // 710 MW. Strongest signal so far here but still too weak to get a decent ID. See <a href="http://www.ipda.com.br/nova/vozlibertacao/matogrosso.html">http://www.ipda.com.br/nova/vozlibertacao/matogrosso.html</a> TN
5015			<b>Unid</b> -looking for Brasil Radio Cultura, Cuiabá, MT ??? 1040 to 1050 May have had Brasil here very briefly w/ both threshold audio and carrier, call it very tentative, quickly gone and interference by Rebelde splatter. 6 November (XM)
5025			<b>Cuba/ Peru</b> 1040 Two stations definitely here w/ Rebelde powered down, believe the Peruvian faded out w/ Rebelde weak but in the clear by 1100, 4 November (XM)
5050	Nov18	0622	<b>WWRB?</b> big open carrier with some hum; turning up the volume, it is just barely modulated with crosstalk from Brother Scare, and it matches 3185 WWRB, not 5890 WWCW; 0647 still on with some lite beeps. Must be WWRB running the other transmitter which has otherwise been deactivated after a spell on 5051 // 3195 (Glenn Hauser, OK)
5580,16			<b>Radio San José</b> , San José de Chiquitos 2340 to 0000 under high band noise, music with dj, fair to poor this one audible about three times a week. 4 November (Wilkner)
5765			<b>Guam USB</b> , AFN Barrigada 1013 commentary on " US Constitution, Port authority of NY and thanks to Mr. Costello " 20 November (Wilkner)
5909,91	Nov 10	2345	<b>Alcaraván R</b> , Lomalinda Spanish ann, Colombian pop music and songs 34333 QRM 2 stations on 5915 AP-DNK
5915			<b>Myanmar Radio</b> with nice signal 1244 check, mellow SE Asian instrumentals on 11/17. But only 1/3 the signal of its fellow Burmese station, 7110 Thazin, absolutely blowing in at same time, pinning the S-meter. (Perry, Illinois)
5930	Nov 12	0748	<b>R Rossii</b> , Petropavlovsk - Kamch, Russian about equal strength to co-channel <b>Arkhangelsk</b> but carried different programming. Became // for 0800 news, 0805 "Novosti Sport" (Martien Groot)
5952			<b>Pio XII</b> , Siglo Veinte 2315 -2330 Noted with extreme pulsating tone interference 18 November and same on 20 November; noted with good signal 1044 - 1100 on 22 November (Wilkner & XM)
5975	Nov 23	1339	<b>VOV -1</b> , Hanoi, Vietnamese talk, 1359 IS as on <a href="http://www.intervalsignals.net">www.intervalsignals.net</a> , blocked by co-channel BBC that same minute (Martien Groot)
5985,81	Nov 10	2350	<b>Myanma R</b> , Yegu, Yangon Bamar talk 13211 adjacent QRM AP-DNK
6000	Nov 15	0509	<b>RHC</b> English is still on this frequency which is supposed to close at 0500; much weaker and subject to an echo from much stronger 6010 at the other site. 6120 is also still on air and in English instead of closing Spanish at 0500, and 6125 is not yet on. Then at 0510, 6125 carrier comes on, and 6000 has gone off. The typical slipshod operation of RadioCuba. But that's not all: at 0649 I am surprised to hear the RHC IS on all the English frequencies, and 0650 *opening* the English hour with all the stuff we are about to hear. So are they running 50 minutes late or 10 minutes early in the playback? Anyhow, shortly after 0700 all the frequencies heard earlier --- 6010, 6060, 6125, 6165, 6270, 5040 --- are off, so anyone expecting to hear the full hour starting at 0650 will have been sorely disappointed. Typical slipshod operation of RHC. 17580, Nov 15 at 1419 I notice this frequency is missing, while 17730 is on; at 1500 check, 17580 is back on too (Glenn Hauser, OK)
6015			<b>ZBC Radio</b> , *0252, Nov 19. Open carrier heard at 0248; on with non-stop Spice FM pop African songs; 0300 pips (not often I can hear them!); reciting from the Qur'an (qira'ut); poor (Ron Howard, CA)
6050	Nov 12	1507	<b>Asyik FM /Salam FM</b> , Kajang, Qur'an recitation, poor under co-channel Xizang PBS, presumed (Martien Groot)
6095	Nov 14	1324	<b>KBS</b> , Kimjae, English pop /rap songs to 1330 off, scheduled as "English 3" 1230 - 1330 beamed to China (Martien Groot)
6104,94	Nov 22	2127	<b>R Cultura Filadelfia</b> , Foz do Iguazu, carrier in the clear but spoiled by RTI carrier which appeared 2147. Obvious het, to 2200:46 off, too poor to be sure of exact freq. No ID, is Cancao Nova active here at all? (Martien Groot)
6104,94	Nov14	2159	<b>R Filadelfia</b> with lots of clear ID's before signing off at 2200. Strongest reception ever of this one. No sign of any other station on 6105 after the sign off . TN
6105	Nov 23	2200	<b>UNID (maybe Taiwan?)</b> When looking for R Cultura Filadelfia and R Panamericana - by the way both absent this evening - a weak station was heard here. But just when the int. signal was heard and waiting for the ID at 2200, CRI on 6100 puts out a tremendous signal completely wiping out this station. A few minutes later some audio is heard and it might be Taiwan due to the spoken language. TN

6105.44 t Nov 25  
6105.5v  
**Radio Panamericana**, La Paz with steady signal 2310 to 2325. (Wilkner)  
**R. Panamericana** has been reported reactivated, so I am trying for it Nov 19 at 2301 --- only Chinese here, when Aoki shows RTI at 22-24 in Chinese, 100 kW, 310 degrees from Kouhu, so this is CNR1 jamming, and useless to try for Bolivia until it that`s over. 2357, now the Chinese is gone, but still no CP audible (nor any het). Further fruitless tries at 0003, 0058. It`s not a good Bolivian evening since at 0005, 6134.8 is very poor altho no bonker at the moment; 6155 maybe a weak het in the noise. Ralph Perry reports:  
``According to R Panamericana`s website schedule, they sign on at \*1000 on weekdays but \*1100 on weekends; in local evenings, they stay on to 0300\* on local weekdays and to 0100\* on local Sat and Sun nites in La Paz`` (Glenn Hauser, OK)

6105.5v  
**NON.** so far no luck even hearing a JBA carrier from reactivated R. Panamericana. Is Ralph Perry or anyone still hearing it evenings? (Glenn Hauser, OK)  
*No sign of Panamericana the last days here, last date noted at 2156z was on Nov 18. /TN*

6105.510 Nov 10 2245  
**R Panamericana** a rare and surprising guest appearance this night with football. Signing off abruptly at 2205. I had to ask Henrik Klemetz for help with listening to the recording as no ID was heard.  
*Henrik says: You've heard the post comments of the match between The Strongest and Oriente Petrolero (I think) in the program "El Panamericano" which is mentioned when the coach (?) with Argentinian accent stops talking at about 3:10. Then another coach is speaking from the opposing Bolivian team. At about 4 min there is also an advertising tirade for a company whose name I did not get. The La Paz Stadium is apparently difficult for the lowland team Oriente Petrolero as the home team The Strongest won with 3-0, you can read about it here: <http://www.futbol-resultados.net/2012/11/the-strongest-vs-oriente-petrolero.html> . Obviously, to save on electricity, the sign off was earlier than is usually the case. It could also be that the QRM are stronger in Bolivia at nightfall. Radio Panamericana it is!  
Check next Sunday, though a bit earlier - football is an obvious reason for a broadcast on shortwave. It is customary to "kick off" at 17 local time. See <http://www.panamericana-bolivia.com/deportivo.php> /Henrik Klemetz  
Thanks a lot Henrik for solving this mystery station. Never heard this one for several years. TN*

6105.52  
**Radio Panamericana**, La Paz, indeed the one heard here 2344-0111\* on 11/18 (shutdown date). Very poor signal at first but faded in to a decent level 0000 and just about peaked around 0025 and maintained moderate signal thru to the s/off. Best in ECSS with notch, but never a great signal. Broadcast of futbol game featuring famous Bolivian team, "Club Bolivar" (El Mejor Club de Bolivia). Mentions during xmsn of "cadena Boliviana" at 2345 and possible "Rrrrrradio Panamericana" at 0002 (was not certain at that point, tho). Was much later able to finally determine that the webstream was a couple minutes behind the 49 mb signal, from a replay of a "gooooooooooal!" and also a specific ad (for Banco Los Andes) at 0110, just before the shortwave abruptly closed down. Mentions of "Panamericana Deportivo". Some initial confusion due to webstream having different studio anc interjecting comments, from time to time, which were not on the shortwave xmsn. Fqy briefly wobbled on down from 6105.52 to 6105.49 at 0109 and then back up to .52 a minute later. At 0102 OM said, "... de La Paz, Bolivia ..." and 0109, mentions "...la voz de la capital". Very happy to confirm that these guys are still on the air (or back), but what a crappy signal, compared to the way they used to bomb in on 6035, back in the day . . . Perhaps their engineers can tweak the xmtr a bit. (Perry, Illinois)

6105+  
**UNID.** Andes station, very probably RadioPanamericana, La Paz, recently reported here by a S American DXer. Noted 11/16 at 1040 tune-in with unmistakable Andes folklorica program underway. Echo anmts in between several songs by bassy OM, very slick "big city" pro sound to anmts. Several folkloric selections heard and thought mention at 1041 of "Bolivia" but not 100% sure. Rather bad het, tuff to effectively notch, from Asian on same channel and only fair signal at best. This first day, found signal too late since, by 1041, already getting to end of La Paz propagation window into the Central US. Could only hold signal till about 1052, when co-channel Asian station had faded-in enough to overpower my target stn. After this first morning`s reception (on a Friday), tried again the next morning, but only the Asian station there. According to R Panamericana`s website schedule, they do sign on at \*1000 on weekdays but \*1100 on weekends, so this fits . . . and next chance for me is Monday morning. No luck yet in local evenings, when they stay on to 0300\* on local weekdays (and to 0100\* on local Sat and Sun nites in La Paz). Hope this indeed is Panamericana, as would be very nice to have this great old La Paz station still on the air. First logged and QSLed these guys on 6035 kHz back in the late 1970s. (Perry, Illinois)  
*From Henrik Klemetz comes this information about the South American DX-er Ralph is*

referring to above: *Captaciones de Miguel Castellano, Desde Mendoza Argentina. El sábado a la mañana, tipo 13:00 UTC , había buena propagación para Bolivia y la estación que mejor se escuchaba era R.Panamericana en 6105 Khz. (también entraban emisoras bolivianas en 5952, 6135 , 6155 y 9625) . Esta mañana también entraba con muy buena señal, alrededor de las 11:30 UTC, R.Panamericana. Esperemos que se trate de una reactivación permanente y no eventual !!!!! 73' Miguel Castellino ----- Well, that is what is said in today's Condiglist (no. 693); it was reception of "local distance", in Mendoza, Argentina. /Henrik Klemetz*

6115	Nov 23	0721	<b>R Nikkei -2</b> , Japanese, Rolling Stones songs, fluttery but freq is clear (Martien Groot)
6115	Nov 18	1737	<b>Radio Congo</b> . Brazzaville. Ff. nice copy of om in ff. local rhythms. Steve Calver
6130			<b>LNR</b> . Daily heard in English from 1402 to 1430; reception depends entirely on the amount of QRM from 6125 (CNR1), which is considerable; recent news items about a large dam being built on the Mekong River, results of "traditional long boat races", the Asia-Europe summit recently held in Laos, etc. After 1430 into French. <a href="https://www.box.com/s/bj0ljton8fa1fyakpge">https://www.box.com/s/bj0ljton8fa1fyakpge</a> contains a Nov 15 rough recording of their ID (Ron Howard, CA)
6130			<b>Unid</b> possibly Lao National Radio, Vientiane, the one noted here 11/17 1230 [ast 1250, weak at tune in but fading up to fair level by 1245. OM and YL tlks in Asian lang, lots of trouble from ticking ute and static. Not // Xizang 7385. If old patterns hold, this will improve over the next month and if Vientiane, we'll be hearing it quite well during our morning Asian opening in the Midwest. (Perry, Illinois)
6134,77			<b>Radio Santa Cruz</b> , noted 0910 on 17 November, 0950 -1010 brief music then "Radio Santa Cruz" ID, 22 November (Wilkner)
6135			<b>Shiokaze</b> , 1402 and 1430*, Nov 20. Ex-5910 (there for about 24 days); in Korean; good with no jamming yet. Scheduled 1330 to 1430. Now that they have moved here, will shortly be impossible to hear Radio Madagasikara on 6135.19v, as the N. Korea jamming normally is on well before the start and end of Shiokaze's transmission times. An unfortunate development that happens periodically! (Ron Howard, CA)
6135,18	Nov 22	1430	<b>R Madagasikara</b> , carrier surfaced after co/ch <b>Shiokaze</b> had left, <b>Sana'a</b> off that day, to 1457 close down (Martien Groot)
6135+			<b>UNID</b> . Nov 22 at 1403, heterodyne audible here, with likely explanation from Ron Howard's log Nov 20: Shiokaze has reverted to 6135.0 at 1330-1430, and Madagascar varies around 6135.19, which would be long path. The het is on the hi side of 6135. On Nov 23 at 1400, and still at 1422, het between very poor presumed Shiokaze (which sounded more Japanese than English this Friday), and something on the hi side, likely Madagascar long-path. Pitch comparison seemed closest to E below middle C = 165 Hz. (Glenn Hauser, OK)
6165	Nov 24	0900	<b>CNR -6</b> , carrier came on, freq is clear, Chinese (Martien Groot)
6173,9			<b>Radio Tawantinsuyo</b> , Cusco 1018 -1045 om with telephone numbers and "Atencion", in the clear with no co channel but weak signal 22 November (Wilkner)
6185,00	Nov 11	0010	<b>R Educación</b> , Cd. México Spanish talk 23222 adjacent QRM AP-DNK
6190	Nov 10	*1100	<b>Hamburger Lokalradio</b> , Göhren German programme about Louis Armstrong - only in AM and USB, LSB was silent! New frequency 44344 AP-DNK
6282	Nov 18	1624	<b>Radio Luxembourg</b> . Ee id by yl. Jingles. Id again then abrupt off. Testing maybe. Good sig. Steve Calver
6303,927	Nov 18	1632	<b>Radio Underground</b> . Full ee id. Jean michelle jarre "oxygene"..... Steve Calver
6884,97	Nov 10	2400	<b>Galei Tzahal</b> , Lod Hebrew ann, English pop songs, e.g.: "Mankind put an end to War!", advs, jingle 45344 15850 had faded out AP-DNK
7110,00	Nov 11	0010	<b>Rakhine R</b> , Pyin Oo Lwin Chin talk with pop music in background 35232 AP-DNK
7120			<b>Radio Hargaysa</b> is frustrating! They just start to very slowly fade up during the English from 1320 to 1340; I can tell it is in English by 1330, but too weak to make out what is said. 1341 on Nov15 was able to confirm changed from English back to Somali. Is frustrating because by 1350 the signal is considerably better, till their 1401*. With *1500 is better still. *1459, Nov 20. National Anthem (marching band); assume in Somali; ID; "meter band"; 1501 reciting from the Qur'an (qira'ut); as normal with fair reception. <a href="https://www.box.com/s/unhj91cxuo779atpacro">https://www.box.com/s/unhj91cxuo779atpacro</a> MP3 audio (Ron Howard, CA)
7120	Nov 15	1348	<b>R. Hargeisa</b> best heard yet during this hour, bits of HOA music mixed with talk, but not in English which was probably mid-hour. If it had been in English and not heavily accented, could have copied some of it. Constant CWQRM from some autoham, not hand-keyed, which could have been notched if I had a notch. At 1400 spoke a few words, open carrier, but a semiminute later fanfare and march, anthem? And cut off the air at 1402:05* This is their typical schedule now, ending midday transmission, but coming back on circa 1500 when unlikely to be heard here. When heard before 1400, is this long-path or short-path? It seems that short might be possible as we get into longest winter nights, but the trouble is, if



the short-path is open across Europe we would also be hearing European signals on 7 MHz, which we are not --- tho would hardly know where to look at this unfamiliar daypart. But tuning 7200-7500+, no broadcasters but Asians and North Americans noted. So I think it still must be long-path, across the Indian Ocean, south of Australia and NZ, and up across the Pacific, almost all over-water, facilitating bounces (Glenn Hauser, OK)

7120	Nov 16	1635	<b>Radio Hargeisa.</b> Somaliland. Wonderful local mx!! Better sig than last night. Steve Calver
7185	Nov 13	1705	<b>Voice Of The Broad Masses.</b> Eritrea. Vernacular. Om tk. Fair sig. Steve Calver
7265	Nov 10	1100*	<b>Hamburger Lokalradio,</b> Göhren German technical report 45333 AP-DNK
7265	Nov 10	*1100-1200*	<b>Südwestrundfunk-3,</b> Baden Baden, via Göhren German news, traffic, weather, two IDs, English pop songs - New relay! 45333 AP-DNK
7294u			<b>Dominican Republica</b> 1252 ARO operating in usb on 4 November (Wilkner)
7325	Nov 11	1740	<b>Adygeyan Radio.</b> Listed as Adygeyan. Could be Radio Russia. Piano mx. Steve Calver
7550	Nov 11	1744	<b>AIR. Bengaluru.</b> Lovely copy of int sig. s/on @ 1745. Full id @ 1745 in ee. Steve Calver
7575	Nov 15	1455	<b>UNID</b> big humbuzz sounds like a malfunctioning broadcast transmitter, and so strong it could be North American --- but 1458 the humbuzz stops and standard VOA sign-on twice with Yankee Doodle IS in the clear; 1500 VOA news in English. This is now scheduled daily 1500-1600, two times 250 kW from Tinang, one at 200 degrees, the other at 275 (Glenn Hauser, OK)
7590	Nov 5	1606	<b>UNID/PRES:</b> Listed as. North Korea Reform Radio. Korean. Weak copy of y1 & possible mx. Under qrn/qsb. Via Uzbekistan. Steve Calver
8104u			<b>Bahamas, Allen's Cay</b> 1243 wx report requested 9 November <a href="http://www.yachtsolstice.com/map.html">http://www.yachtsolstice.com/map.html</a> (Wilkner)
9525,900	Nov 21	1512	<b>RRI Jakarta.</b> Indonesia. Listed Mandarin. Very weak copy of local mx. Strong co-channel qrn. Steve Calver
9705,5		2020	<b>La Voix Du Sahel,</b> Niamey V Weak audio, OM French, easy to miss it if your not tuning in ssb Mark Davies via DXLD
9840			<b>R. Rossii</b> via Moskva-Taldom, 0352-0412, Nov 18. In Russian; 0355 pips and series of Radio Rossii IDs; 0400 became // with pips and Radio Rossii news on 5930 (fair via the Yelizovo transmitter site on the Kamchatka peninsula), // 5940 (fair) and 7320 (good) (both via the transmitters at Arman, west of Magadan); after 0410 no longer //; a different R. Rossii program; fair. Schedule shows *0400, but think I just missed the actual 0350 sign on (Ron Howard, CA)
11735			<b>Zanzibar Broadcasting Corporation,</b> Dole, Zanzibar in well 2045 - 2050 with Islamic music using a noise reducing antenna. (Wilkner)
15191,45	Nov 20	0715	<b>Rádio Inconfidência</b> med brassemusik. 2 CB
15476	Nov 15	1403	<b>LRA36.</b> 1412, 1457 chex, no signal detected from LRA36 this Thursday, but it has been reactivated after more than a year! The news came from Horacio Nigro`s blog where Mirta of LRA36 posted a reply to his historical article about the station, saying they had just returned to the air for the 2012 summer season. Check the comments at the end of this, and also for further info: <a href="http://lagalnadelsur.wordpress.com/2012/08/23/argentina-la-emisora-antartica-lra36-radio-nacional-arcangel-san-gabriel/">http://lagalnadelsur.wordpress.com/2012/08/23/argentina-la-emisora-antartica-lra36-radio-nacional-arcangel-san-gabriel/</a> Confirmed by log from Hugo López C. in Santiago de Chile, condiglista yg Nov 15: ``Ya está al aire y con programa en español, 1255 UT`` y ``15476.2, 1258, "En LR36 [sic] Radio [sic, no Nacional?] Arcángel San Gabriel, es tiempo de música", Ident 1300, música folclórica" 35443 (Hugo López, Santiago, Chile, Kenwood R-5000, Dipolo)` and from Rodolfo Tizzi, Uruguay, dxldyg: ``First video of LRA36, very weak for now + QSB in Montevideo, 1400 UT on November 15th: <a href="http://youtu.be/8DzQRLNaagY">http://youtu.be/8DzQRLNaagY</a> 73 from Montevideo`` showing tuned to 15476.1. No info on their exact schedule, but it used to be circa 1230-1500 UT on weekdays only. It`s extremely fortunate that no one has taken over 15475 in the year LRA36 has been absent, especially since it was never even registered with HFCC. Before 1400 there`s a considerable signal on 15470, V. of Russia, and at 13-15 a weak signal on 15480, AWR Sri Lanka. We`ll keep trying every weekday morning, for better propagation and we hope a bit more oomph from the transmitter. As discussed last year, this part of North America has an advantage with an almost all-water path from Esperanza to Enid, while further east it`s over S America, even the Andes, and further west more of Mexico to traverse. I got the news of LRA36 reactivation just in time start WORLD OF RADIO 1643 with it (Glenn Hauser, OK)

AP-DNK, Anker Petersen, Denmark

Ken Walters - West Palm Beach, Sangean ATS 909X

XM - Cedar Key - South Florida NRD 525D - R8A - E5, Robert Wilkner

Robert Wilkner, Pompano Beach, South Florida NRD 535D -746Pro - R8 - Sony 2010XA - LW Pre Amplifier

Ron Howard, Asilomar State Beach, CA, Etón E1)



**Comment re logs in SWB 1758:** 15255,0 WINB, Red Lion, PA in EE @ 1540Z with "WaveScan" program. 10/07  
RIPPEL, VA

-----  
??? WINB is never on 15255. Currently registered as AWR Trincomalee Sri Lanka. (Glenn Hauser)

## CHASQUI DX PFA – NOVIEMBRE 2012

CQ, CQ, CQ...Aquí Pedro F. Arrunátegui para compartir algo con los que disfrutan y aman el DX latinoamericano, todas las horas son UTC, desde la tierra de los incas, les informo mediante este Quipus lo siguiente:

- 940.02 PERU, R. Cutervo, Cajamarca, 27/10 10:00-10:25 33333** mxf ID" Que linda mañana en Radio Cutervo en despertar campesino" mxf San Juanito px Despertar Campesino ID "5 y 22 de la mañana en Radio Cutervo"
- 1069.98 COLOMBIA, R. Santa Fe, Bogotá, 2/11 06:10-06:35 33333** mx cumbia ID "San Fe, lo acompaña siempre" mx salsa ID "Santa Fe dulce compañía" mx ID "Radio Santa Fe, la emisora oficial de Diciembre"
- 1279.98 COLOMBIA, R. Caracol, Pasto, 2/11 06:40-07:20 33333 mx ID "Caracol Radio"** news deportivas y advs
- 3329.50 PERU, Ondas del Huallaga, Huánuco, 31/10 22:50-23:15 44444** mxf huayno en español ID "Ondas del Huallaga es más compañía" advs Vamos a duplicar con Claro **NOTA:** reportada el 27/8 en 3329.54
- 4451.15 BOLIVIA, R. Santa Ana, Santa Ana de Yacuma, 31/10 23:24-23:45 33333** px avisos y comunicados" ID "En Radio Santa Ana" mx y advs.
- 4699.96 BOLIVIA, R. San Miguel, Riberalta, 13/11 23:10-23:52 33333** px religioso ID "Por Radio San Miguel" mx religioso advs Transporte Sindicato 2 de Julio, te lleva a todo sitio las 24 horas... ID "San Miguel FM 99.1 y 4700 Onda Corta, tu radio feliz"



4699.96 R. San Miguel sign PFA Nov. 13, 2012.mp3

- 4747.05 PERU, R. Huanta 2000, Huanta, Ayacucho, 31/10 11:18-12:05 44444** advs Cooperativa de Ahorro y Crédito San Cristóbal de Huamanga, Cebichería el Limoncito px Sin Fronteras ID "Amigos de Radio Huanta 2000" algunos advs son en español y quechua.

- 4765.00 BRASIL, R. Integracao, Cruceiro da Sur, 6/11 10:35-11:30 33333** news px El Despertador advs ID "Muito bom dia, bom dia, para você a partir de agora Integração Rádio FM acompanha-los, agora Integração de Rádio AM ..." advs ID "Rádio Integração Internacional ..4765kHz. onda tropical..." px Rdaio Notícias



4765.00 R. Integracao sign PFA Nov. 6, 2012.mp3

- 4789.87 PERU, R. Visión, Chiclayo, 10/11 10:35-11:10 44444** ID "Nos escucha a través de Radio Visión en Chiclayo" mx religiosa a través de la iglesia Pentecostal La Cosecha px La voz de la salvación.
- 4810.00 PERU, R. Logos, Chazuta, Tarapoto 9/11 11:20-12:15 33333 y 9/11 22:55-23:40 44444** **NOTA:** en ambos horarios tocan en forman continua mx religiosa, pero no dan ID en ningún momento a pesar del tiempo transcurrido.
- 4824.48 PERU, R. La Voz de la Selva, 21/11 11:10-11:30 33333** news comentan sobre el hospital regional de Loreto. **NOTA:** fue necesario escucharlos en LSB tenía interferencia con R. Sicuani, aparentemente ambas estaciones tienen muy variada su frecuencia. Lo que no permite escucharlas en forma independiente en AM.
- 4826.55 PERU, R. Sicuani, Sicuani, Puno, 21/11 10:35-11:00 33333** news comentan sobre la celebración del aniversario de Radio Sicuani advs ID "Por Radio Sicuani" advs **NOTA:** a partir de las 10:55 se escucha un zumbido como de calentamiento de equipo para iniciar transmisión, lo que me obligo a escucharla en USB. (Aparentemente es Radio La Voz de la Selva)
- 4955.00 PERU, R. Cultural Amauta, Huanta, 20/11 11:50-12:25 44444** mx religiosa ID "Por Radio Cultural Amauta" px bilingüe español y quechua advs el Fondo Energético de Inclusión Social, ahora te beneficia comprando un balón de gas más barato, inscríbete solo con tu recibo de consumo eléctrico. Adv's medicina cubana, ahora puedes comprarla en Huanta, al costado de Radio Cultural Amauta.
- 5024.90 PERU, R. Quillabamba, Cusco, 3/11 21:35-22:05 44444** advs Electro Sur Este, Farmacia Cubana px Avisos y Comunicados px bilingüe español y quechua ID "En Radio Quillabamba" mx criolla vals peruano.
- 5039.15 PERU, R. Libertad, Junín, 13/11 11:25-12:15 44444** advs jugo Noni lo mejor para toda la familia la salud advs Electro Centro avisa el corte de energía para el día de mañana pues efectuaremos el cambio de pararrayos px El Noticiero Libertad ID "Por radio Libertad, estamos en el año de la integración Nacional y el reconocimiento de nuestra diversidad"
- 5952.40 BOLIVIA, R. Pio XII, Siglo XX, 17/11 23:35-00:10 44444** px Saludos y mensajes ID "A los escuchas de Pio XII" px bilingüe español y quechua.

- 6049.90 ECUADOR, R. H.C.J.B, Quito 14/11 11:30-11:35**  
**33333** px religioso px La Voz de la Biblia ID "TS  
 Por HCJB 6:30 de la mañana en el territorio  
 continental"
- 6154.90 BOLIVIA, R, Fides, La Paz, 14/11 11:40-12:15**  
**33333** advs informan la temperatura px Noticiero  
 comentan sobre la lotería de Santa Cruz ID "Por  
 Fides"
- 6173.90 PERU, R. Tawantisuyo, Cusco, 4/11 11:38-  
 12:10 44444** mx f huayno mv bilingüe español y  
 quechua ID "6 de la mañana y 42 minutos y nos  
 vamos con la mejor música a través de Radio  
 Tawantisuyo" mx f ID "A través de la señal 1190  
 amplitud modulada de Radio Tawantisuyo"

La recepción la he efectuado del 27/10 al 21/11 en compañía de mi sabueso Icom IC R72 acompañado del Mizuho KX-3, una grabadora Alesis Palm Track, una antena de hilo largo de 20 metros y una antena loop.

**NOTA: R. JPJ, Lima, 5/11,** el doctor Jesús Parraga, me informa que estarán relanzando la señal de la radio el 1 de Diciembre, me paso una invitación para su fiesta de inauguración a realizarse el 25 del presente, pero noto en el logo que la frecuencia dice 4880 kHz, le escrito sobre el particular, pues antes era 3360 kHz, estoy a la repuesta de mi correo sobre el cambio de frecuencia.

Muchos 128's, PFA



**RADIO J.P.J. DEL PERU 4880 KHz - O.C.T. - SW1.**  
 M.T.C. - R.N.M. Nº 1040 - R.U.C. 10081702782

San Martín de Porres, 05 de octubre del 2012

Ofic. Múltiple N° 004-GG.RJPJDP.

Sr(a):

Presente

**Asunto: INVITACIÓN DE HONOR**

Me dirijo a Ud. para expresarle mis saludos cordiales y a la vez para comunicarle que la empresa radiodifusora RADIO JPJ DEL PERU 4880 KHz SW1, [www.radiojpi.com](http://www.radiojpi.com) Estará realizando su inauguración oficial el día 25 de noviembre del presente a realizarse en el local del estadio municipal de ensenada distrito de puente piedra.

Por tal motivo queda Ud. invitado(a), de honor a esta ceremonia..

Es ocasión para expresarle mi distinguida consideración y estima personal.

Atte.

**GERENTE GENERAL**

**DR. JESUS PARRAGA JIMENEZ**

Asociación Monte de Los Olivos Mc. O lote 9 - Altura Paradero 12 de la Av. Los Olivos (ex Sta. Rosa)  
 4848379 - 991903217 - 987484005 WWW.RADIOJPI.COM

## Station news

**ALASKA: KNLS** does it again, contradicting its own information depending on which version you consult.

See their Russian page: <http://www.knls.net/rus/schedule.htm>

The top schedule annotation translates to: Real frequency with one transmitter. The bottom schedule translates to: declared frequency = registered. So apparently they still don't have the second transmitter back in service, and that requires a totally different set of frequencies.

The Chinese page in English: [http://www.smzg.org/Schedule\\_in\\_English.htm](http://www.smzg.org/Schedule_in_English.htm) appears to be current even tho it is headed March-October 2012!

(Glenn Hauser via DXLD)

**ARGENTINA.** A rather strange way to learn that LRA36 has resumed broadcasts today has just happened:

Mirta, co-announcer of R Arcángel San Gabriel, during the 2012 Antarctic Campaign has just commented in a [post](#) of my blog "La Galena del Sur" featuring the station on Aug. 2012, that they are on the air from today on.

This is the message posted as a comment that I am roughly translating from Spanish:

*"My name is Mirta and I share the studio, during this year 2012 at Base Esperanza station, with two more partners and the technical operator and we are very excited because today we returned to convey to everyone after the repair of equipment. We are proud to share this news with everyone!"*

(Horacio Nigro, Montevideo, Uruguay, Nov 14 via DXPlorer)

"This morning I spoke to the Base Esperanza and I talked with Mirta, a station announcer. She told me that the transmissions are sporadic and they are performing maintenance on the station to put it on air in early 2013.

I left her with the feeling that even the shortwave broadcasts will not be regular, as broadcasters and technicians are getting ready to leave the ice continent, and budge up a new staff that will be working in the coming month of February in LRA36.

The idea is to leave the radio in perfect condition for the next Antarctic campaign. He also mentioned that the station would come out with a power of 1 kW and they currently broadcast in the FM band for the inhabitants of the base and its surroundings." via Jorge Villavicencio, DRM Radio Argentina ([www.drmmradio.com.ar](http://www.drmmradio.com.ar)), in Condiglist YG via Horacio Nigro (translated & edited).

(73, Horacio via DXPlorer)

## BOLIVIA. R Logos QSL card.

Recibida e-QSL que confirma mi recepción a la señal de la emisora peruana Radio Logos, operando por los 4.810 KHz. El v/s es Ray Rising como Director de Proyectos de la organización Ethnic Radio. Demoró 108 días.

En el correo me comenta que la emisora estuvo fuera del aire por alrededor de 3 semanas, debido a problemas con la energía eléctrica que había quemado la tarjeta de modulación, así cuando el Ingeniero Ralph Wayne Borthwick llegó a Chazuta se encontró con otro daño que por fortuna fue posible repararlo con un circuito que se consiguió en Lima.

Imagen en: <http://dxdesdecolombia.blogspot.com/>



## Reports to R Logos

The information below came in a mail from Rafael Rodriguez R on Sunday Nov 18:

Según información recibida del Señor Ray Rising, director de proyectos de la organización Ethnic Radio la cual opera la emisora peruana Radio Logos 4810 KHz, desde Chazuta en Perú; la dirección electrónica para enviar los reportes de recepción y recibir la e-QSL es: [cp6rr@yahoo.com](mailto:cp6rr@yahoo.com)

Por ahora no se tiene pensado editar la tarjeta QSL física.

Me informa también que continúan algunos problemas técnicos con el transmisor, debidos a picos altos en voltaje desde la electrificadora que suministra la energía para región en Perú. Nuevamente esta fuera del aire esperando algunos transistores desde Lima.

También me comenta que ha recibido algunos reportes donde le manifiestan el interés de enviar alguna donación para la emisora y la organización a través de Paypal, para lo cual puede enviarla a la misma dirección electrónica mencionada.

-----  
Dando alcance al anterior correo donde se informaba la dirección-e para reportes a Radio Logos, el señor Ray Rising me ha pedido que le colabore con el envío de la e-QSL de la emisora, pero aún así lo reportes deben ser enviados a él por medio de la dirección-e mencionada..

-----  
Complementando mas información sobre el proyecto Radio Logos, de la organización Ethnic Radio que desarrolla en Perú junto a la Iglesia evangélica central de Chazuta; sus transmisiones se realizan en lenguas étnicas de la selva amazónica como son: achuar, shawi, huampis, bora, awajun, ticuna, urarina, quechua pastaza y quechua san martin. Además de difundir el mensaje de Dios, tiene una programación educativa enfocada en la salud, alimentación y educación de las comunidades amazónicas.

La Iglesia tiene 58 años en la obra y el servicio a la comunidad, realizan actividades como: campamentos de jóvenes, adolescentes y niños (mes de enero), campañas medicas, seminarios bíblicos; para la población de Chazuta que es considerada patrimonio cultural del Perú por las artesanías que allí se elaboran.

El número telefónico de contacto de la Iglesia es el 051-042632413

( All items from Rafael Rodríguez R. Bogotá D.C. – COLOMBIA)

**BRAZIL.** Martien Groot notified me that the latest EIBI list lists "R Cultura 1200" on 6075.7? If this is the UNID we have been chasing for quite some time now, I wonder what source he got that information from?

I asked Eike Bierwirth if he remembered where the information came from and he replies:

*Honestly I don't remember clearly. But if I put it in the list, someone must have posted it at least as a "likely" ID. Maybe I got it from partially following the discussion summarized in <http://www.hard-core-dx.com/swb/1748.pdf>. You're right, it's not actually conclusive, and has it been heard ever since? I can't remember any later logs, do you? I think I'll pull it off my database.*

*Thanks for getting back on this, /Eike*

The station has been note only a few times later on that frequency but as usual with so weak strength that no ID can be pulled out. So I think this one will never be identified. /TN

**GREENLAND:** No longer available on shortwave - or on AM at all - **Radio Greenland** (KNR/Kalaallit Nunaata Raadioa/Greenlandic Broadcasting Corporation) is now available on a live audio stream from their corporate website at [knr.gl](http://knr.gl). Schedule is 24/7, although the 0130-0925 UT period is their 'Natradio' programme, which seems to be just continuous music. Observed starting their broadcast day at 0925 UT today with five minutes of their 'The whaleboat Sonja drags whale' interval signal, which they've used as such since around 1952, according to contemporary WRTHs.

As far as I know, this is the first and only Greenlandic radio station available on the internet, although a non-functional link marked 'Webradio' has recently appeared on Nuuk FM's website ([nuukfm.gl](http://nuukfm.gl)).

(Dave Kernick via DXLD)

**INDIA: AIR Gangtok** noted today 22 Nov 12 sign on at 0100 on 4817 instead of 4835. They were noted on 4837 also on some days lately. Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India Mobile: +91 94416 96043 <http://www.qsl.net/vu2jos> 0405 UT Nov 22, dx\_india yg via DXLD)

-----  
Feared 4817 might be a typo but he wrote it that way twice, and so far not corrected (Glenn Hauser, DXLD)  
-----

Not a typo, as Gangtok has been jumping between 4817, 4835 and 4837 recently. Note Jim Young's log:  
*\*\*UNID\*\* 4817.00, 1420-1511, very similar transmission problems that Gangtok having. Definitely not at the same time, and usually lasting much longer. Off for extended periods, but would occasionally come on for brief periods of irregular transmission. At first thought a spur of Gangtok, but not. Even checked 4857.00, and never anything there. Similar flutter on signal as other AIR stations (Nov 20 - Jim Young, IC-706 + 60-M Inverted Vee, US Hwy 101 near Tolovana Park, Oregon)* (Ron Howard via DXLD)

**INDONESIA. 4749.96, RRI Makassar.** Per the Kang Guru Indonesia website: "Begining October 1st, Kang Guru Indonesia will become a part of AusAID's Education Partnership. The Education Partnership is working across many areas to support the Government of Indonesia's education goals and objectives. Don't worry, KGI as a project will not disappear but changes will happen over time."

Indeed their Tuesday programming has been changing. On Oct 30, Nov 6 and 13 their format was different from their former two announcers with many mini-segments; now just one announcer and longer periods of talking and they play more pop songs; for the first time on Nov 13 their show in English was an hour long (about 1305 to 1404); still with QRM from CNR.1 (Ron Howard, Asilomar State Beach, CA, Etón E1)

**KOREA NORTH.** Regarding my observation Nov 14 about 6230 now being free from jamming - Thanks very much to Sei-ichi Hasegawa (Japan) for a much more complete picture of what happened: "The jamming of the 6230/6348/6360kHz group which s/on and s/off synchronized changed the frequency to 6345/6348/6435kHz from yesterday [Nov 14].

Group of jamming synchronizing now.

- 1) 6003 / 6015 / 6060
- 2) 6345 / 6348 / 6435
- 3) 6518 / 6600

Japanese DXers calls these jamming "Super jamming". /S. Hasegawa"  
(Ron Howard, Asilomar State Beach, CA, Nov 15)

**MYANMAR.** Hope they will have special programming during the President's upcoming trip!

**5770, Myanmar Defense Forces Br. St.** continues off the air as of Nov 15; as first noted by Victor A. Goonetilleke (Sri Lanka) in early Oct.

**7110, Thazin Radio via Pyin Oo Lwin** (Mandalay Division). Heard daily with local and international news and local weather in English from 1435 to 1440. Nov 14 at 1445 a repeat of the "Myanmar Scenery and Culture" program; I have lost count of the number of times I have heard this same show.

**7345, Myanmar Rakhine Broadc. Stn.** On Nov 15 with 1329\*; underneath CNR1  
(Ron Howard, Asilomar State Beach, CA, Etón E1)

**NIGER. 9705.58v, LV du Sahel,** 2100-2300\*, Nov 23, only heard vernacular talk at various checks during this time period. Qur'an at 2254. Flute IS and National Anthem at 2258. Short test tone at 2300 and off. Threshold signal at 2100. Slowly improved to a weak but readable signal by sign off. Frequency still drifting. Measured on 9705.58 at 2100, slowly drifting down to 9705.40 at 2215 and 9705.39 at sign off. (Alexander-PA via HCDX)

-----  
At 2000 UT Nov 24 on 9705.591 kHz, S=7-8 FLUTTERY signal, pair talk in Vernacular. Next big hummy OTHRadar signal wandering in 31 mb, now on 9667 to 9689 kHz. (73 Wolfgang Büschel via HCDX)

**UNID.** UNID 9705.196 This morning (Nov 26) 0630 UT not LV du Sahel Niger signal, but instead HOA mx station from Eritrea ? In peaks S=8 in southern Germany. (73 Wolfgang Büschel via DXPlorer)

## Other radio news

### Perseus + Win 8

**There will be full** support for Windows 8 on x86 hardware, as it has been up to Win7 until now.  
(Alessio via Perseus\_SDR)



## AN INTRODUCTION TO HF PROPAGATION by SEAN D. GILBERT MIPRE, G4UCJ

**This article is designed** to be an introduction to the terms and basic mechanics of propagation methods that are to be found on the HF and VHF bands. The descriptions of the terms quite basic in order to keep them understandable, so they may appear to be a little vague or not technically 100% correct. A complete description would take many pages and require much research, which is beyond the scope of this article. The descriptions given are just an insight into the most important area of our hobby for without the propagation of our signals, there could be no radio communication!

If you have an area of interest, I would recommend using the mass of freely available information to further your knowledge of the particular subject. I have arranged the article in a 'Question and Answer' format as this is far easier to digest than a single narrative. Hopefully the range of questions posed and accompanying answers will cover most of the queries raised when trying to understand propagation.

Read the full story here: <http://www.hfradio.org.uk/hfprop.pdf> (TN)

### New software SDR-COM 2.0

**Hi - Simon Brown is working on his new software SDR-COM 2.0.** I was really stunned by all the features of the beta version, which is announced to be a public one possibly "in December".

The module "IQ file analysis" fascinated me most. There you can call an IQ file of some MHz of width and hours or even days of time. Then just point and click - and just his signal will be heard.

I made a sneak preview of this module and uploaded it to You Tube: <http://www.youtube.com/watch?v=ZX6IVHh1IYA>

It shows some applications for shortwave listeners, broadcasters, and utility DXers.

Critics & comments welcomed! (Yeah, also I noted that You Tube obviously refused to take over the explaining captions of the video, made with Camtasia 8. Hope it will nevertheless give some idea ...)

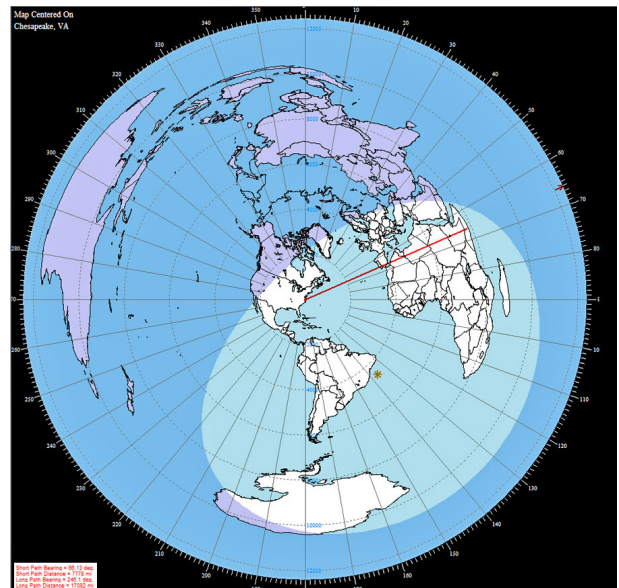
(73, Nils DK8OK via DXLD)

### AZMap - An Azimuthal Equidistance World Map Generator by AA6Z

**AZMap was written in the 1996-1997** timeframe as a beginning programming project. It has seen a lot of use, but has become somewhat obsolete by newer/better programming efforts. I have kept AZMap available since there continue to be downloads, but I have ceased to work on new features (I have a long list) and fix bugs.

AZMap is a freeware Windows program which will generate, and display an Azimuthal-Equidistance map of the world, centered on any point on the surface of the earth (except very near the poles). The A-E map is also known as a Great Circle map since straight lines from the center point to any other point always fall along a great circle path and represent the shortest distance between the center and that point. A-E maps look fairly normal within the hemisphere of the center point, but become highly distorted in the other hemisphere (the outer part of the map). Due to this distortion, it is necessary to shut off the map drawing very near to the antipode of the center point.

A-E maps are useful for short-wave operators with directional antennas, since they can tell which territory of the earth is being targeted by the antenna. A map is first generated by entering a latitude and longitude for the center point, or selecting it from a convenient list of locations around the world. That list is contained in an ASCII text file (atlas1.txt), and new locations may be easily added by the user. The map is drawn from a geographic database and AZMap is shipped with two databases, one large with great detail and the other condensed for quicker drawing on slow computers. I recommend using the large database if possible, since it has fewer errors and contains many newly formed countries that are not in the condensed database. Ocean areas may be optionally colored to differentiate them from landmass. To the right of the A-E map is a Control Panel dialog which interacts in real time with the map to produce effects and optionally add any of the following optional overlay elements.



- short and long path from the center to a specified endpoint.
- range circles with specified spacing (constant distance from the center).
- sunlit/darkness shading with flexible interactive time adjustment
- latitude/longitude grid display with specified spacing.
- display of location identifier tags using a separate location atlas
- display of NCDXC beacon location tags.
- display of fixed auroral rings (approximated and fixed)

The maps look good at 800x600 resolution, but are much better at 1024x768 or larger resolutions on large monitors. Use True Color or Hi Color for the best coloring effects. Detailed maps with high resolution in the denser color modes creates a lot of data to be processed when drawing the map. Older (slower) computers will take much longer to draw a new map. Unfortunately I have had problems getting the maps to print from the program, so I have personally resorted to screen capture and pasting into a Word document in order to print them.

Download: The AZMap download is a 1.2 Megabyte zipped file, which contains an executable installer AzmapIni.exe. Delete any prior versions before installing this one. If you have a previous atlas1.txt file which you have modified and wish to keep, you should save it elsewhere and then restore it to the install directory after the install.

**click here to download AZMap:** <http://aa6z.tripod.com/sitebuildercontent/sitebuilderfiles/azmapins.zip>  
(via Chuck Rippel & AA6Z website)

## **AIH18 DXpedition report from Finland**

**Yet another DXpedition report** from Aihkiniemi in the Finnish Lapland can be found on DXing.info at <http://www.dxing.info/dxpeditions/aih18rep.dx>

Logging AM stations from Malawi, Uganda and other African countries was the highlight of this October DXpedition. From the East, new Thai and Chinese stations were heard often. AIH18 began just two weeks after we concluded AIH17, and in between there were no major changes in propagation.

We had a total of 13 Beverage-type antennas, each about 1 km (3,000 ft) in length. The latest addition was an antenna pointing at 160 degrees, which proved to be very useful.

In addition to DXing, we enjoyed the first snow and hiking in the mountains of Lapland.

(73s, Mika Makelainen, DXing.info via NORDX)

-----  
Mika, your DX-pedition reports are the best ever!  
(Bjarne Mjelde via NORDX)

-----  
That's the way to say it! A very interesting report indeed.

I asked Mika if it was possible to get some more info about the features of the Jaguar software he refers to in the article and Mika says: *The Jaguar software is still under development, and it is not available to the general (dxing) public, but only to a limited team of developers and test users. Therefore I would prefer to avoid premature judgements about how it performs, and I have only briefly exemplified some features in my dxpedition reports. /Mika*

There is some information available on the web which can be found on this website: <http://www.mazzic.net/jaguar.htm> . I just want to mention a few items from this website. This software is completely and innovative and designed for the very active and advanced Finnish DX-ers. I recommend all of you to visit this site and take a look among the available screenshots. The ingress of this fantastic website tells us:

*JAGUAR is a new generation software for MW DXers. JAGUAR contains several innovative solutions and is also a wrapper for the core parts of some earlier TEAM LURX radio tools (= PLAYLITE, MESTOR and ZETA AM CRUISER). JAGUAR uses Microtelecom Perseus receiver as the hardware platform for spectrum analysis and signal identification.*

*With JAGUAR you can*

- \* Analyze / study / listen / create audio clips from your existing Perseus recording archive*
- \* Control / listen / record / create clips directly from "live" Perseus hardware*
- \* Listen / study / scan your audio clips*
- \* Create unattended recordings using the built-in MESTOR scheduler*

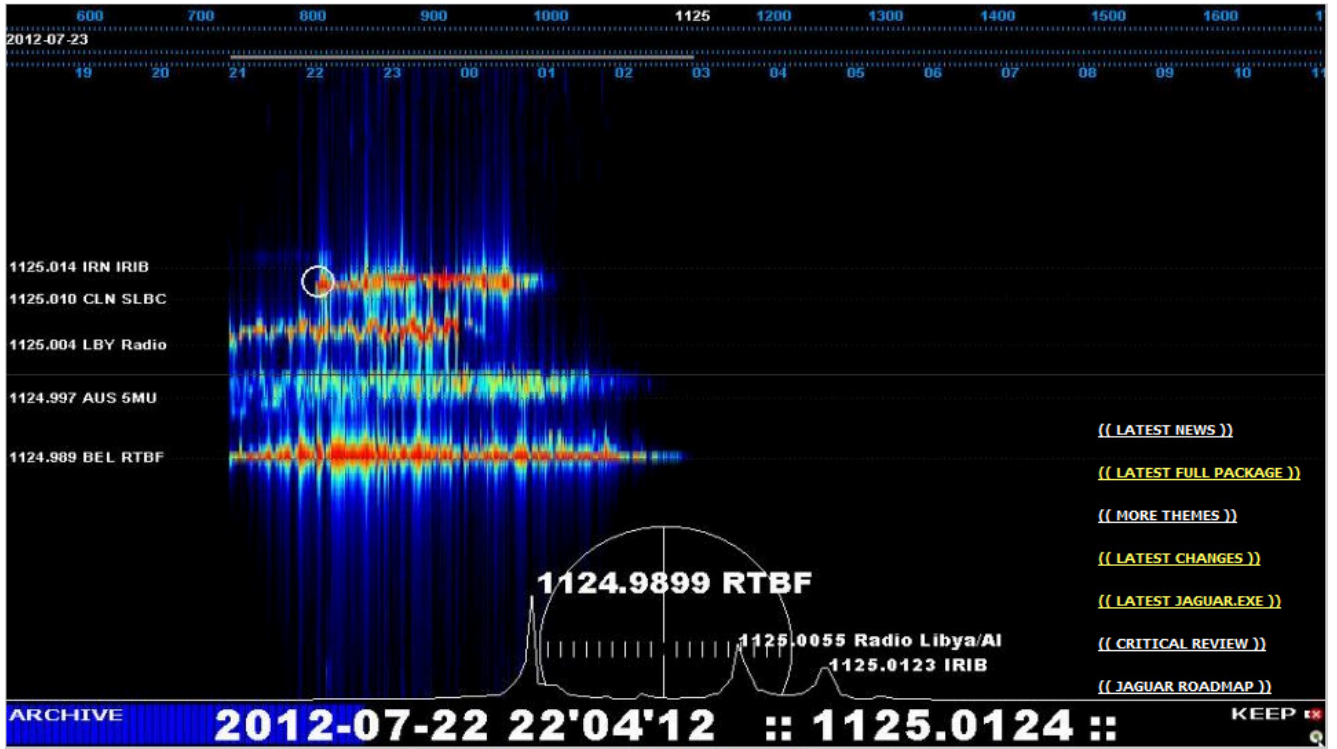
*JAGUAR offers a true alternative for MW enthusiasts...*

*...you can control your rig and scroll & study your recordings simply by scrolling ( with arrow keys or mouse wheel). In addition to standard listening activities, JAGUAR supports several tools & utilities, station guides, maps, spectroscope, eye candy, easy audio clip extraction, etc.*

*JAGUAR has no buttons (or not quite: "EXIT" is the only usable button) so if you love to move your mouse cursor from place A to place B all over again when DXing you better give up reading now and use other SDR/rig control software. The other "button" (in addition to EXIT) is a 'clickspot' that takes care of all the mouse input clicks so you can do (almost) every action with JAGUAR without moving the cursor. Or alternatively, you can use keyboard shortcut keys and/or functions selected from the menu.*

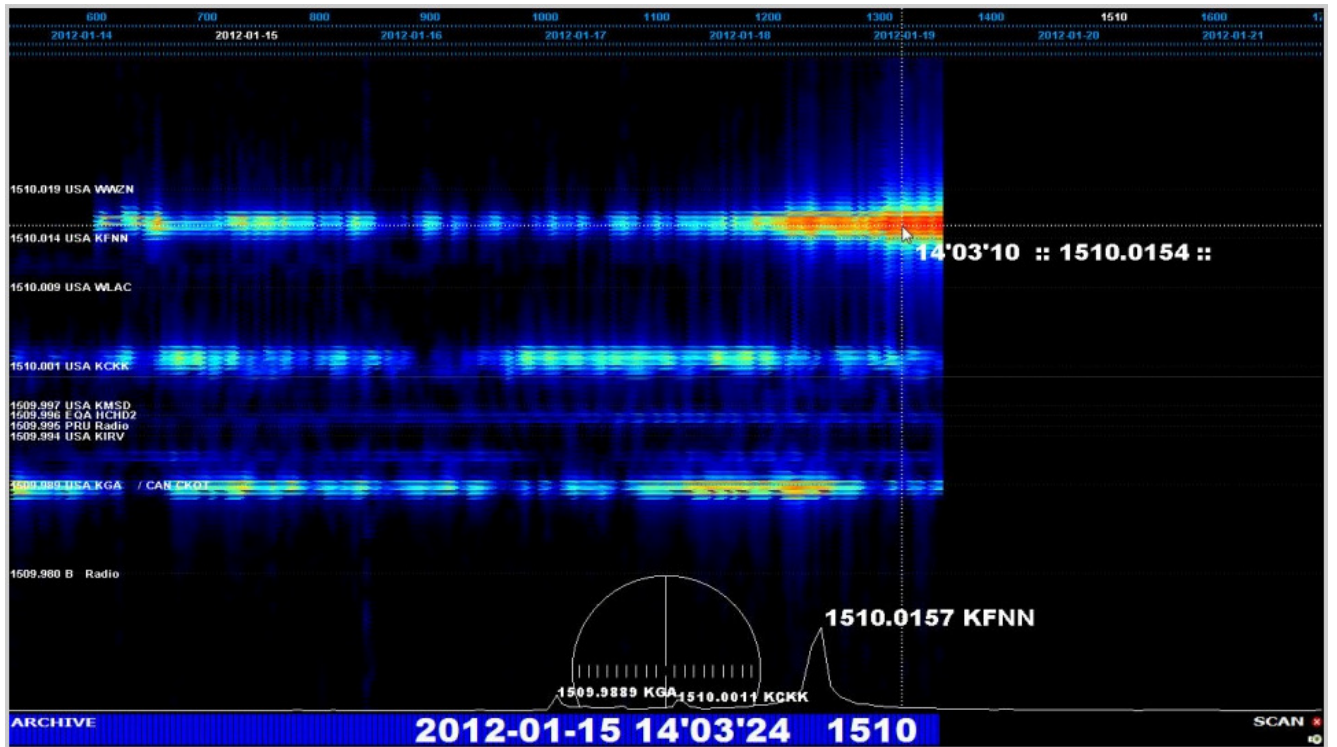
Just to give you an idea of what is possible with this software two of the available screenshots are copied, look here:

Item 13, overnight summary (activity on a frequency hour by hour)



Item 5, Spector & Tractor (activity on a frequency day by day)

"Tractor" (spectrum plotter/logger): "Spector" - high resolution (error range 0.5Hz) spectroscopie for tuned frequency



(TN)

**Gamla svenska HCJB program** (via NORDX)

Antagligen är detta inte mera någon nyhet för de flesta av er men på <http://www.hcjb.se/index.php?id=53> kan man höra gamla svenska HCJB program med bl.a. "Tant Ellen" (73, Torsten Söderström)

-----



Jag träffade Ellen Campaña i Quito 1966. Samma år gjorde jag ett "specialprogram" för HCJB. Det spelades in Radio Continentals studio i Bogotá och sändes senare från Quito. Jag har också träffat flera av hennes efterföljare, inte minst Sonja Persson, som faktiskt ärade Umeå Kortvågsklubb med ett besök bara några få år senare. Nu bor hon i Orsa. Den här länken var trots allt ny för mig. Så tack för tipset, Torsten!  
(Henrik Klemetz (som också blivit nostalgisk))

-----  
Sonja Persson har även deltagit i ett ARC-SWB-konvent som arrangerades av Leif Blomqvist, Rune Arnell, Christer Brunström och Ivonne Eliasson i Kanebergsstugan strax utanför Halmstad. Borde varit någon gång på 90-talet.  
(Tore Larsson)

-----  
Ja, nostalgi, Torsten. Det var lite sent tyckte mamma och pappa och telegrafin störde väldigt men Ellen Campana nådde fram då i slutet på 40-talet till vårt kök i Kristinehamn. Våglängd 24,08 m om jag minns rätt. Men vad hon sa minns jag ingenting av, bara hennes norrländska idiom. Vidare Torsten njuter jag av de finlandsvenska kanalerna jag skrev om och som du kommenterade. Mycket hövårda, men tänk om det vore radio och inte internet.  
(Ullmar Qvick)

-----  
Nostalgi doftar väl också Ullmars våglängdsangivelse 24,08 meter. Inte några kc/s för att inte tala om kHz där inte. Den radio jag började DX-a med, en 4 rörs Lumophon från 1938 hade en skala med en noggrannhet på 2,5 m och jag höll länge fast vid meterangivelser. Dagens DX-are har kanske svårt att förstå att man kunde DX-a med något sådant "verktyg". Men nog gick det. Närmare 100 länder avlyssnade med Lumophonen finns representerade i QSL-mappen. Och naturligtvis är det frågan om kortvågsverifikationer. För mig har alltid DX-ing betytt att lyssna och rapportera utländska radiostationer som sänder på kortvåg. Dessa och speciellt de som hade riktade sändningar för utländska lyssnare räknade jag med att åtminstone hade ett visst intresse av att få lyssnarrapporter och av dem kunde man därför hoppas på att säkrare få svar. Visst finns i min QSL-samling också svar från mellanvågsstationer, men det är sådana som t.ex. Bilbao. För säkerhets skull: Denna min personliga uppfattning om vad DX-ing är betyder inte att jag ser ner på den som ivrar för mellanvågs DX-ing.  
(73, Torsten Söderström)

### **Messages of Bandwatch of DARC German Amateur Radio society.**

Here are the short messages of Bandwatch of DARC, prepared by its director Ulrich Bihlmayer, DJ9KR

*Radio Hargaisa from Somaliland will continue to send the 40-meter band.*

The radio station was released on 13 September at 7120 kHz with morning (0430-0530 UTC) and evening programs (1500 - 1900 UTC) with typical Arabic music and program contributions in the Somali language. The Bandwatch of DARC has led to the Federal Network Agency and foreign telecommunications administrations international Interference messages to Somaliland.

*The Russian Army station REA4, location Moscow has made frequency change.*

The band intruder sent during the summer with a highly distorted signal rapid shift keying in F1A with a shift of 1 kHz on the frequency 7117 kHz. Now he has, following an appeal to the Federal Network Agency changed since the beginning of November, the frequency and transmits on 7018 kHz. Unfortunately, this is still in the amateur band!  
It is really true that Russia, with its right not Military stations consideration for Amateur radio bands.

*The Sporadic-E openings in the 10-meter band make taxis audible from the CIS.*

In summer and autumn make the Sporadic-E openings audible a large number of taxis from Russia and the CIS countries, as in the CIS taxi services use for years, the entire 10-meter band as a reliable contact in FM radio between taxi companies and their taxis.

OM Hadel DK2OM listed with the Agency taxis from Russia (the majority), Kazakhstan, Ukraine and Uzbekistan. What is new is that these taxis were recently even in the 15-meter band, frequency 21402 kHz, heard in FM.

*Datawell-Waverider buoys in the 10-meter band.*

After Wolf Hadel DK2OM already on 12th October belongs to 29525 kHz with a strong signal a buoy the company "Datawell" location east coast of Brazil, had to send in F1B with 82 baud, he took on 29500 or on 29525 kHz Datawell buoys off Gibraltar and Casablanca. Wolf has the Dutch Bandwatch informed, since the buoys are produced in Holland.

*Over the horizon radars in Amateur radio bands from China, Turkey, Cyprus and France !*

They disturb by rattling and rumbling, which can be up to 50 kHz wide. Clips are on the website of the DARC bandwatch. Disturb the radars in areas 10, 14, 18, 21 and 28 MHz, being always the MUF, the maximum usable frequency, followed.

OM Mario DG0JBJ sent the Bandwatch 62 reports in the 15-meter band and 126 in the 10-meter band. The evaluation made OM Bihlmayer DJ9KR.

New is an overview horizon radar at 7000, 14000, 14250 and 21000 kHz with 6 sweeps per second and a bandwidth of 20 kHz. It is located in France.

Wolf Hadel DK2OM has informed the Federal Frequency Agency.



Codar ocean wave radar from India.

This radar, it sends 14075 to 14125 kHz, with 50 kHz bandwidth comes from the Bay of Bengal, India.

/Ulrich Bihlmayer DJ9KR. Leader of the band watch the DARC

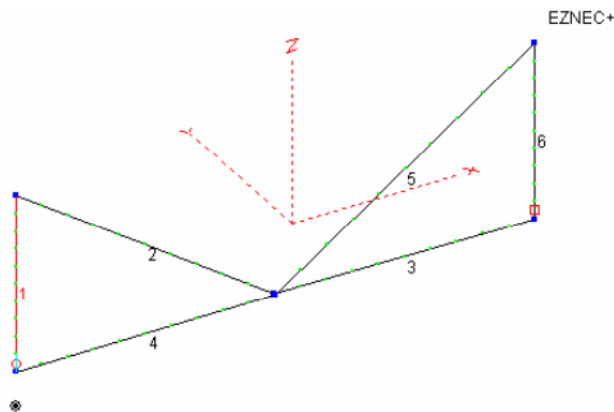
(German Amateur Radio society Bandwatch, via wwdxc BC-DX TopNews Nov 14, Wolfgang Bueschel via DXLD)

## Double Half-Delta Loop (DHDL) RX Antenna

By George Wallner, AA7JV

**This antenna was developed** to meet the need by the TX3A Chesterfield DXpedition for a small, low-band, ground independent directional RX antenna that only requires two support poles. The antenna can provide reasonable performance for the space limited amateur, as it fits into a 60 x 60 foot back-yard. Smaller version will work almost as well.

This design is essentially two half delta loops that are interconnected to create a single antenna, with one transformer and one load resistor. The improvement in RDF over a single flag of similar size is about 2.5 dB.



Dimensions: Wire 1 and 6 are 7.5 m long with the lower ends at 1.5 m above ground. The two vertical wires (wires 1 and 6) are 22 meters apart. Note that wires 2 - 3 and 4 - 5 form single wires, which are bent at the half-way point between the vertical wires and held at 1.5 meters above ground by a short support post. Wires 2-3 and 4-5 cross each other but are not connected to each other (see detail). Wire diameter is not critical and the antenna will work equally well with bare or insulated wire. The antenna will pick-up less noise when placed higher than shown above.

Detail showing wires 2-3 and 4-5 crossing each other. The feed point uses a wide band 12:1 transformer to match the loop to a 75 ohms coax, or a 16:1 transformer

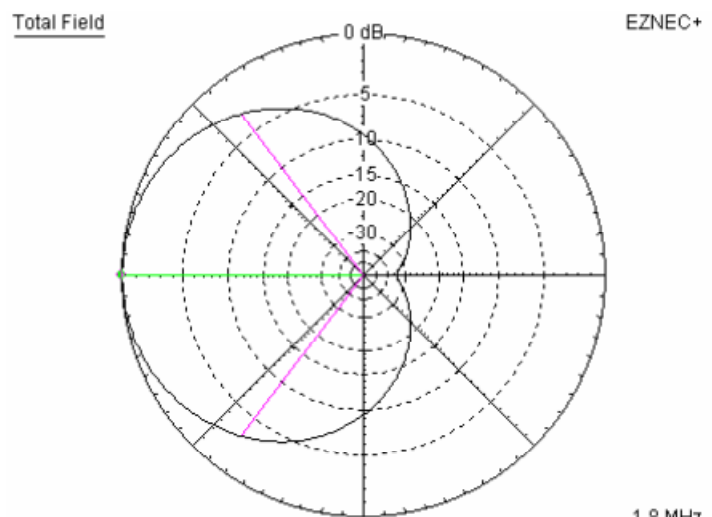
for 50 ohms. The loading resistor, set for best RDF, is 1200 ohms. (Better front-to-back can be obtained with a 950 ohm resistor – the actual value depends on ground conductivity.)

Note that there is nothing special about the dimensions of this antenna. The more area the wires enclose, the larger the signals (higher gain), but the RDF may get slightly worse. Also, the larger antenna will not work on the higher bands. (The upper cut-off is approximately where the total wire length reaches  $\frac{1}{4}$  wavelength.) Smaller dimensions will produce small signals and may need a preamplifier. Note, however, that below a certain size, the antenna's own thermal noise will exceed the signal it produces and the antenna will become useless. (Unfortunately you can not build a miniature version and use it with a 40 dB amplifier.)

EZNEC indicates the following performance:

Because this is a low gain antenna, care should be taken to prevent noise carried on the outside of the feed-line coax being picked up the loop wires. Use #31 ferrite cores with several turns of the coax to form chokes on the coax feed-line. Grounding the shield of the coax between the chokes can also help. Keep the antenna away from noise sources, resonant verticals (min  $\frac{1}{4}$  wavelength) and large metal objects, such as tin roofs.

Conclusions: This antenna ain't no Beverage. But, it is better than a single flag or EWE, and almost as good as two phased EWE-s in the same space.  
/George Wallner, AA7JV



Azimuth Plot  
Elevation Angle 15.0 deg.  
Outer Ring -27.84 dBi

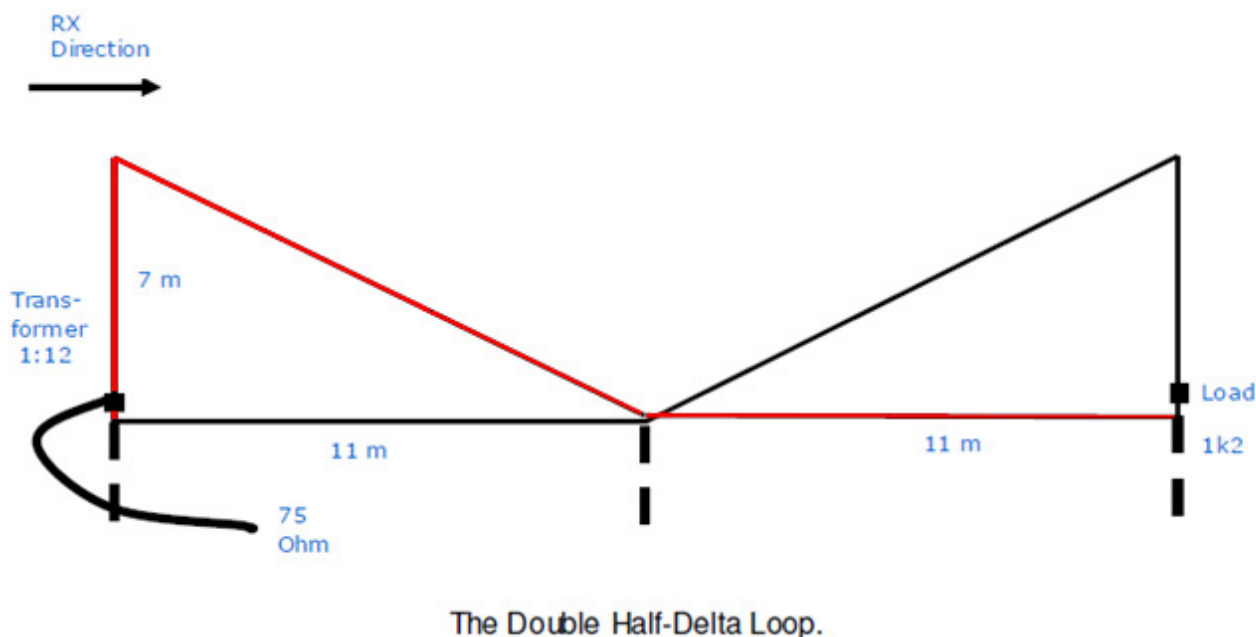
Cursor Az 180.0 deg.  
Gain -27.84 dBi  
0.0 dBmax

Slice Max Gain -27.84 dBi @ Az Angle = 180.0 deg.  
Front/Back 34.0 dB  
Beamwidth 105.6 deg.; -3dB @ 127.3, 232.9 deg.  
Sidelobe Gain < -100 dBi  
Front/Sidelobe > 100 dB

This article can be found here: <http://www.tx3a.com/documents/TX3Astory.pdf>

IV3PRK has lots of information regarding this antenna on his website where I found the drawing below. He is also very impressed by the good performance of this antenna when compared to the simple Flag antenna. See [http://www.iv3prk.it/user/image/..rxant.prk\\_tx3a.pdf](http://www.iv3prk.it/user/image/..rxant.prk_tx3a.pdf)

Also Andy Ikin at Wellbrook refers to the article above as well as the Double KAZ antenna on their website. See info at the Flag & KAZ antenna amplifier.



(via TN)

### SPLIT DELTA LOOP

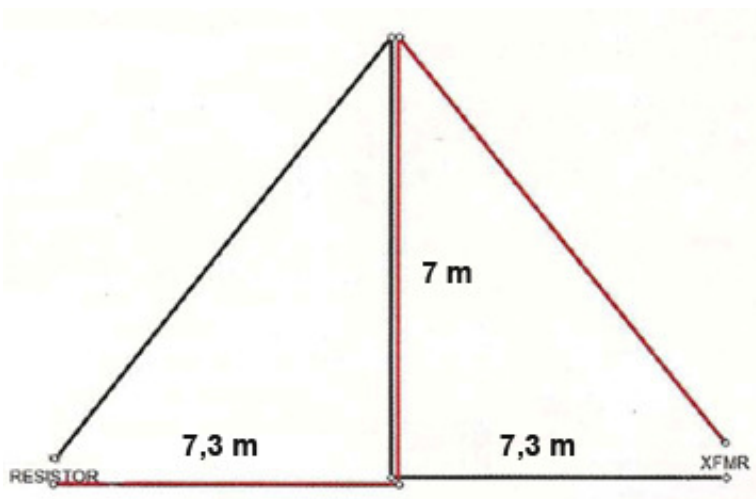
**From Chuck Rippel** I got a copy of an interesting version of the Double Half Delta Loop which is called SPLIT DELTA LOOP. The original article was written by Bruce Conti and published in POP'COMM in their Aug 2010 issue.

The well known Canadian DX-er Neil Kazaross calculated the Split Delta in EZNEC. He describes the design like this in the ingress of the POP'COMM article:

*“The Split Delta clearly represents an advancement of the state-of-the-art for Flag type antennas since, like the DHDL, the pattern is superior to a single cardioid. When compared to a Flag, the beam width is more narrow, the back null wider, and side nulls superior. The DHDL has better patterns; i.e. more narrow beam width and wider back nulls, but not drastically so.”*

For best performance the size of the antenna must follow the same rules as for all Flag antennas, there must be a 2.1 ratio for antenna height versus width. Other ratios will degrade the broadband performance more or less.

The resistance used for best broadband performance was tested to be 620 ohm in this design.



*“An end-fire array of two DHDL antennas produces stunning model results. A similar array of two Split Deltas is nearly as good when modeled 100-ft apart center to center,” concluded Kazaross from his initial research.*

I planned to use the whole article here but got second thoughts about copyright and contacted Bruce Conti who says:

*“Anything in Pop' Comm is indeed copyrighted, so it can't be reproduced in full. Of course a short note or an original article including quotes/references with proper citations is ok. Terminated broadband loop antennas have been covered quite often, as I get many requests for info, the latest summary in the May 2012 edition of Pop' Comm. You are welcome to use any of the antenna drawings available at my website [www.bamlog.com](http://www.bamlog.com) in the antenna section where there are several types of terminated broadband loop designs available. In addition I would be more than happy to answer any specific questions for your article in Shortwave Bulletin.” /73 Bruce Conti (contiba at gmail.com)*

Chuck Rippel says: *„Speaking of MW, I erected my Split Delta antenna. Brett Saylor and I saw this article in Popular Communications magazine 2 or 3 years ago and decided to try it. Although a smaller antenna, I am surprised at the good performance !*

*Its a smaller antenna making it a little more useable on properties and even perhaps gardens that are not that large.”*

(TN)

## MAPA DE CUBA

**To date, I've yet to find a decent hard copy** large format fold-out map of Cuba for field work that's accurate after the Habana province was blown apart/split into two pieces, namely Artemisa and Mayabeque (and not to be confused with the still-existing Ciudad de la Habana province).

The old Cartographia Kft. (Budapest) map is still the best, despite being dated, followed by the [insightguides.com](http://insightguides.com) wonderful waterproof map, but that one is still (online) selling a 2010 copy with no visual to confirm update accuracy, nor do they have any desire to respond to my email inquiry about said after over a week. So in the interim, I offer up the following, directly via a Cuba site I found:

<http://www.juventudrebelde.cu/multimedia/graficos/nueva-division-politico-administrativa/>

Roll over any province and click for a breakout of the internal Municipios. I've got this linked on my FLPRS page at the page bottom, with all the other resources. Worthy, that is until Arnie Coro Antich delegates killing the link once he reads I found it.

(Terry Krueger via DXLD)