

SHORTWAVE BULLETIN

Issue no. 1706 Nov 14, 2010.

Deadline e-mail next issue: 0900 SNT, Nov 28, 2010.

Mycket intressant information denna gång för den riktigt radiointresserade. Först tackar vi Guy Atkins för allt arbete han lagt ner på Five Below om Perseus. Detta har varit den alla kategorier bästa sajten för oss Perseus användare.

Samtidigt har det första exemplaret av netSDR testats i Finland. Ett idogt arbete görs av Simon Brown i Schweiz med hans SDR-radio software som är en del till denna nya SDR. Mycket trevligt är det också att se hur lyhörd Simon och Pieter är till de önskemål som vi DX-are ställer. Läs mer om detta längre fram.

Dessutom ser det ut som denna nya SDR kommer att hamna någorlunda rimligt i pris. C:a 1400 \$ är utgångspriset. Det ser också ut som rx-en är försedd med en GPS-styrd referens för högsta möjliga stabilitet.

Utvecklingen går minsann framåt.

Keep on

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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
Dateline Bogotá 1993-1998: <http://www.hard-core-dx.com/swb/Dateline.htm>
SWB latest issue: <http://homepage.sverige.net/~a-0901/password.htm>
Solar cycle progression: <http://www.swpc.noaa.gov/SolarCycle/>

QSL, kommentarer, mm.

Jan Edh: Hej Thomas, du kanske redan fått det men skickar "för säkerhets skull" över en "liten illustration". För min del skulle den inte alls ha kommit om det inte varit för HK. Han observerade att jag fanns med i mottagarlistan men med min gamla inte längre fungerande jobbadress. Så HK vidarebefordrade mailet till mig den vägen.

Det måste vara bortåt tio år sedan jag rapporterade (och fick svar) från stationen så den dirren har ordning på papperen! **Jose Luis García P.**

Christer Brunström: Atlantic Radio, Irland 6960 med QSL-kort och vykort från Cong, Co. Mayo. Atlantic Radio sänder på 1251 och 6960 kHz; på kortvåg med 70 watt.

Lars Skoglund: Svar har kommit från **WTWW Lebanon TN 5755** med ett trevligt kort.

Arne Nilsson: Konditionerna har varit fortsatt svaga. Det som hörts har varit det gamla vanliga, med ett par undantag. Det känns inte så inspirerande att rapportera samma gamla loggningar gång efter annan. Därför känns det bra att även kunna komma med något man inte rapporterat förut!

Sedan jag började med MVDX har jag mest kört med Bäver-antennen, signalerna mot LA och NA är naturligtvis starkare på den än på Flag. Men varje gång jag ska lyssna åt annat håll, slås jag av hur "tyst" Flaggen faktiskt är, och ofta är S/N mycket bättre på den!

Vintern har kommit här uppe och nu gäller det att se till att infarten till stugan (ca 2-300m från stora vägen) är plogad då man ska dit! I fjol hade jag en åkare som höll den upplogad till ett rimligt pris, och jag har talat med honom för ett par dagar sedan, så det ska nog ordna sig även denna vinter. Nackdelen med en plogad väg är att man även riskerar att hjälpa objektet besök, dvs någon som kan vara intresserad av att tömma stugan, men vi har faktiskt aldrig haft objudna gäster här sedan jag byggde stugan runt -82! Det kanske är så pass långt från större orter att det är besvärligt att komma hit och kräver planering!

Lars Wieden: Jag lovade att skriva och berätta lite om mig som dx-are. ja har hållit på med radio från och till sedan 50-talet. Det var tider då när det fanns mängder med svensktalande radiostationer och när LA var ett paradiset att lyssna för alla som Orkade sitta uppe på nätterna och lyssna. Det var inte jag så förtjust i. Emellertid fanns det mycket intressant på kortvåg då som numera blott är ett minne.

Mottagningen numera är som alla likasinnade vet inte den bästa om man inte bor på landet. Därför har det numera blivit så att hemmavid blir det inte så mycket lyssnande. Däremot har jag åkt till Parkalompolo och där haft tillfälle att lyssna på stationer som man nästan bara kan



drömma om hemma vid på västkusten. Även Volvo DX Klubb hr lyssnarträffar på Orust och i Öxabäck där vi har tillfälle att dx-a. Min utrustning är en Icom IC-R75. Har ännu inte skaffat någon Perseus eller annan SDR-utrustning.

Jag, Alf Persson och Jan-Erik Järlebark tog oss upp till Parkalompolo för en veckas lyssnande 22 - 29 oktober. Magnus Jespersen, Kjell Eriksson, Lasse Skoglund och Bosse Olofsson var också där. Snö och minusgrader men dålig mottagning till att börja med men bättre i slutet. När NA uteblev kom kortvägen som en räddare att lyssna till. En station som jag aldrig fått in här i Göteborg är Voice of Mongolia. Den gick in med lite murrigt ljud. VLK8K Northern Territory i Katherine, Tennant Creek och Alice Springs gick också fint in. Och ett nytt land var Papua Nya Guinea, Radio New Ireland.

Längre fram under veckan kom NA-Västkusten, Alaska och Hawaii in bra. På mellanvåg naturligtvis. Antennparken i Parka är ju en god hjälp att ta in dessa och störningar från omgivningen är lika med noll.

Jag kan rekommendera alla återstående dx-are i vårt land att någon gång vallfärda till Parkalompolo. Har man tur så hörs t.ex. Marshallöarna, Tonga och andra sällsynta gäster här uppe. Har man otur så finns det alltid något av intresse att ta in. Så missa inte tillfället att åka hit upp.

Till slut vill jag tacka Dig Thomas för de fina tips och information om radio och det som hör till. Tack så mycket!

(Alltid kul med sådana kommentarer. Visst finns det mycket att skriva om även om kondsen inte är de bästa. Just nu står vi inför intåget i den digitala åldern och snart sitter man hemma i fåtöljen och följer sin SDR som står nånstans långt uppe i norraste Norrland. /Thomas Nilsson)

Loggen

(UTC)

2485	22.10	2040	VL8K Northern Territory från bl.a. Katherine gick in starkt med SINPO 444444 med telefonprogram och trevlig musik LW
3250			Radio Luz y Vida , San Luis 1128 excellent signal, 1120 with English/ Espanol service . 4052.5 GTM excellent at same time. 1 November [Wilkner]
3279,886 3279.953	6.11	0100	La Voz del Napo , kom igenom ganska bra med snabbprat. (AN) La Voz del Napo , Tena 0300 with ID as LVdN then sudden off 0308 in mid sentence.. 1 November [Wilkner]
3289,982	12.11	2100	Tent. Voice of Guyana GUY . Uppfattade bara röster från OM och YL. Hördes mycket bättre några timmar senare, vid 05.00 (13.11) med ett samtal mellan OM och YL. Fick inget ID, därför bara tent. Äntligen höll sig den UTE, som nästan alltid ligger här, borta! Gissa om jag har jagat den här..... (AN)
3325	25.10	1435	RRI, Palangkaraya förmodligen. Svårt att få id på ett språk som man inte förstår det minsta. LW
3329.514			Ondas del Huallaga , Huánuco 1035 excellent music with om dj, 2 November. 1000 good signal on 4 November and 5 November [Wilkner]
3375.34			Radio Municipal São Gabriel da Cachoeira, 2250 to 2300 with improving signal 2 November [Wilkner]
3905	27.10	1313	Radio New Ireland från Papua Nya Guinea sände trevlig musik och pratade ett obegripligt språk som påminde om engelska LW
3955	23.10	2105	KBA World Radio . Sydkorea med World Wide Friendship. Trevligt program på engelska som jag gärna lyssnar på. LW
4052,456	13.11	0515	R Verdad GTM gick fortfarande, men ganska svag. Prat, OM. (AN)
4052,46	14.11	0540	Radio Verdad hördes svagt på en helt fri frekvens och c/d 06.02 efter en jättelång hymn. AHK
4052.5			Radio Verdad 0300 - 0310 Minister with sermon on "Bread of Life", full English ID as "Radio Truth" with US address for reports. 1 November. Noted every day since [Wilkner / XM Cedar Key]
4699,96	7.11	2225	R San Miguel with mx. 2-3 TN
4716,69	7.11	2225	R Yura with mx. 2 TN
4746,96	7.11	2230	R Huanta 2000 2-3 TN
4760t.			Andaman & Nicobar Islands, Port Blair 1130 fading in with subcontinental tentative. Watching each morning local [Wilkner / XM -Cedar Key]
4774.95	7.11	2335	R Tarma with mx TN
4780			Radio Djibouti , Doraleh 0315 noted on 1 November and subsequent [Wilkner /XM Cedar Key]
4781.796			UNID carrier noted 1040 on 5 November [Wilkner]
4787.78			Radioemisora Balliván noted 1040 on 5 November, 2300 on 6 November, 2250, 8 November. too weak for meaningful details, also 10 November at 2327 [Wilkner]
t.			
4789,94	7.11	2340	R Atlantida with mx 2 TN
4795.87			Radio Lipez , Uyuni 0316 trad. Bolivian Music, good signal 1 Nov, also at 1030 [Wilkner]

4814.95			Radio El Buen Pastor , Saraguro Loma Loja good signal 0025 on 5 November [Wilkner]
4828			VOZ 0320 with some audio 7 November [XM Cedar Key]
4826.7			UNID Peru, ?? , carrier noted 1115 on 3 November [Wilkner]
4930	26.10	1940	Voice of America sände via Botswana med special English om koleraepidemi i Haiti LW
4985			Radio Brasil Central , Goainia 2250 with excellent signal, always seems strong 3 November [Wilkner / XM Cedar Key]
4986.355			Radio Manantial , Huancayo at 1105 with music and om, fading out on 3 November..seems irregular. [Wilkner/XM-Cedar Key] 2340 on 4 November [Wilkner]
4989,983	4.11	0020	Tent. R Apintie SUR . Spelade "Forever young" med Alphaville. AIR tog över 00.26. (AN)
5010	22.10	1630	Radio Nasionaly Malgasy , Madagaskar med sång och prat LW
5459.72			Radio Bolivar Cd. Bolivar 1105 noted with music, fading out 2 November, 2340 on 4 November [Wilkner]
5920	22.10	1644	Radio Slovakia International på engelska med program om grottor i Slovakien. Tråkigt att höra att de tänker stänga sina kortvårssändare vid årsskifter LW
5921,278	6.11	0010	R Bethel PRU hörs fortfarande då och då. Manlig predikant. (AN)
5952.518			Pio XII , Siglo Veinte, 1028 yl and om en espanol, 1 November. [Wilkner]
5954.22			Radio Republica , 0022 with full ID en espanol... "libertad..Radio Republica..." 5 November [Wilkner]
5990	26.10	0820	Radio Senado , Brasilien spelade brasilianskt folkligt och reklam LW
6025,075	3.11	2315	R Amanecer DOM hördes äntligen när frekvensen var öppen! Snabbpratare höll låda men stördes av tent. R Patria Nueva BOL på 6024,971 som dock var svår att höra då Amanecer dominerade. (AN)
5921.222			Radio Bethel 1030 noted, co channel splash 3 November [Wilkner]
6173.959			Radio Tawantinsuyo , Cusco 1030 to 1040 weak signal on 3 November [Wilkner]
6205	24.10	1930	Voice of the Islamic Republic of Iran reciterade Koranen. Engelska LW
6225	27.10	1950	RTE Radio Worldwide , Irland sänder ett entimmes långt program till utlandet. Trevligt musikprogram LW
6240	26.10	1745	Radio Pridnestrowja med en kvart nyheter. Blir inte klok på om detta är officiella Moldavien?! LW
6890	23.10	0810	WEWN Global Catholic Radio med religiöst diskussionsprogram LW
7210	23.10	2215	Cyprus Broadcasting Corporation med grekiska på kortvåg. Prat LW
7290	23.10	1810	IRRS , Milano med World of Radio. En hel halvtimma med dx-tips på lördagar LW
7465	22.10	1945	Radio Tirana med lyssnarnas brevprogram på lördagar LW
9420	24.10	1345	Voice of Greece spelade grekisk musik. SINPO 4 2 3 3 3 LW
9500	26.10	1915	Radio Australia pratade budget och ekonomi LW
9505	7.11	2031	CVC OneAfrica , Zambia, pop songs, talks, English, fair but fading (Bernardini)
9570	24.10	1903	Radio Thailand på engelska med nyheter och kommentarer SINPO 44444 LW
9610	22.10	1925	Family Radio på engelska om domens dag LW
9675	7.11	2011	Radio Cancao Nova , Brazil, Holy Rosary, fair, few QRM from Riad presumed (Bernardini)
9850	22.10	1900	Family Radio på svenska om domens dag den 22 maj 2011. Bibelläsning från 1 Johannes
11675	26.10	1225	Polska External Service på engelska pratade om filmmusik och operafestivaler i Polen LW
11725	7.11	2005	Radio New Zealand , reports, fair signal but some QRM from Marumby presumed, on 11724.87 kHz (Bernardini)
11735	23.10	1728	Radio Romania International hade blandat program på engelska "Through the Looking Glass". Lördags dx kl 17.50 LW
11750	7.11	-	Adventist World Radio , South Africa, African language, talks, music and an address was given. Good (Bernardini)
11750	7.11	2000*	
11750	7.11	2001	Voz Misionaria , Brazil, slow religious music and some talks, weak (Bernardini)
11765	7.11	1938	Radio Deus è Amor , Curitiba, Brazil, religious talks, good (Bernardini)
11780	7.11	1934	Radio Nacional da Amazonia , Brazil, sport, weak, lower than 11815 Brazil Central (Bernardini)
11815	7.11	1930	Radio Brazil Central , sport live, fair, really clear audio (Bernardini)
12005	7.11	1925	RTT , Sfax, Tunisia, Arabic songs, phone talks, national program //630 MW, fair, fading (Bernardini)
12015	24.10	1610	Voice of Korea , Nordkorea med tråkigt prat mot USA men med vacker sång. SINPO 4 4 4 4 LW
12085	24.10	1033	Voice of Mongolia med tråkigt ljud spelade mongolisk musik med kommentarer till musiken på engelska LW
13570	7.11	1920	WINB , USA, strong sermon in English, fair (Bernardini)
13820	7.11	1916	Radio Martì , Clandestine via USA, international & Cuban politics, fair (Bernardini)
13845	7.11	1912	WWCR , USA, religious program with nice songs,good (Bernardini)

14670	7.11	1910	CHU Canada, usual pips & ids, weak (Bernardini)
15120	24.10	0600	Voice of Nigeria hade riktigt trevligt program "Hello Africa" LW
15140	27.10	1438	Radio Sultanate of Oman på engelska med pop musik LW
15235	23.10	2038	Radio Canada International engelska med intervju av författare. Stängde 20.59 LW
15245	23.10	0630	China Radio International hördes starkt som vanligt på tyska. Besvarade lyssnarfrågor. LW
15290	7.11	1905	Radio Nacional de Venezuela , via Cuba, social and politics, Spanish, fair (Bernardini)
15345	7.11	2040	Radio Nacional Argentina , sport live, fair (Bernardini)
15420	7.11	1845	WBCQ The Planet, USA, long religious talk in English, fair (Bernardini)

Stationsnyheter

DOMINICAN REP. 6025.05 R.Amanecer, St.º Domingo, 2132-2152, 20 Oct'10, Castilian, rlg. propag. content, song, mentioned La Voz de tu Conciencia, interview with a "pastor"; 34433, adj. QRM, muddled audio at times. Frankly, I don't even know how the aerials I've got here "managed" to get their signal, so the propagation must have been good. Apologies if this is old news. I haven't been keeping up with all the DX lists lately.
(Carlos Gonçalves - POR)

ECUADOR 3280, presumed LV del Napo Tena, 0909-0917, Oct 30, Spanish. Religious sounding ballads; noted during quick bandscan before leaving for work. Tried again 10/31, 0845-0910 but heard nothing. Will try again over the next few days. (Scott R. Barbour Jr. Intervale, N.H. USA via DXLD)

ECUADOR 3289.89 LV del Napo 1007 tk by W in SP or hybrid vern., then into lively LA Pops, W again w/TC and brief tk 1009, then more LA Pops. Longer tk by same live W anncr at 1014-1016, but imposs. to copy (other than a TC). Another really long tk from 1022-1028. Near the end, there was a mention of Quito. Into pgm at 1028-1030 rel.-like M vcl and organ mx. 1030 an Andes flute version of "The Sounds of Silence" originally by Simon & Garfunkle and voice-over anmnt by same W starting out w/TC and slurred ID. 1031 soft-spoken M w/canned tk and cont. song. 1033 flute mx from what I think was the movie "The Good, The Bad, and The Ugly" along w/clear canned voice-over ID w/ment of "amplitude modulada" by diff. M. Then slick ad w/ments of Tena. 1035 W returned w/TC and tk. Some kind of noise started at 1054 all but wiping out the signal. Last audible around 1112. Live voice audio was badly muffled making readability difficult. Nice to hear this one back. (6 Nov. Dave Valko via HCDX)

GUINEA, 4900 Familia FM, Timbi Madina, 1942-2004, 05 Nov'10, Veracular, talks, French at 2000 for a news bulletin; 35332; better on 6/11 at 1815.

7125 R.Guinée still silent on this fq - or did they move to some other fq above 7200? (Carlos Gonçalves - POR)

MAURITANIA 7245 1223-1453, 29 Oct'10, Vernacular, talks,...., prayer in progress at 1346, Arabic, then suddenly French at 1442 for a news bulletin in this language; 35443. At least from the 24th Oct., they stood on this freq., and if they used 4845, their evening freq., it was some time between, say 2300 and 0800, but I don't think they did. Why are they stuck on 7245 - amnesia stricken operator perhaps...? This reminds me of R.NZi whenever they fail to comply with the schedules and change the freq. almost 10 minutes later (like yesterday, 31 Oct - see below under NZ). (Carlos Gonçalves - POR)

MONGOLIA, 4895 Mongoliin R, Murun, 0038-0050, 05 Nov'10, Mongolian, talks, orchestral music; 34332, CODAR QRM; \ 4830 Altay worse, fluttery. (Carlos Gonçalves - POR)

NEW ZEALAND 5950 R.NZi, Rangitaiki, 0829-0915, 28 Oct'10, English, music, Pacific Regional News, talks, news bulletin; 44433, increasingly fluttery and deteriorating, UNID silent carrier detected on nearby 5947 at 0841.

5950 ditto, 1533-1550*, 31 Oct'10, English, interviews, freq. announcement followed by the IS; 43432, adj. QRM de RNW in Dutch on 5955.

7440 ditto, /1551-1650*, 31 Oct'10, interview, news bulletin 1600-1605, weather rpt. after which there was a short prgr in Maori language, with some Maori songs, English again for some music, news headlines at 1630, another weather rpt., more music, and then abruptly off the air, no announcement, no IS; 53443, adj. QRM.

9765 ditto, *1651-1758* (the B10 says 1750*), 31 Oct'10, no IS, just the continuation of the musical piece that was being aried via 7440 until 1650, IS only at 1700 immediately before the newscast, then the Morning Report prgr, freq. announcement later at 1758 (the B10 indicates 1750*) and IS; 44433, but improved despite the ever present adj. QRM.

15720 ditto, 0136-0212, 01 Nov'10, English, Pacific Regional News prgr, news bulletin at 0200; 25422 via a 10 m Vertical, the only one that enabled me getting some signal from Rangitaiki. I wanted to see how they propagate this way, NZ's antipodes, on such a freq. that late, and they did.

(All items from Carlos Gonçalves - POR)

PERU

4775 R.Tarma, Tarma, 2227-2236, 05 Nov'10, Castilian, preaching; 24341, QRM de B. Better oin 6/11 at 2240.

4789.94 R.Visión, Chiclayo, 2230-2241, 05 Nov'10, Castilian, interview; 35332.

4955 R.Cultural Amauta, Huanta, 2256-2309, 05 Nov'10, Quechua, talks; 35343.

4986.4 R.Manantial, Huancayo, 2239-2253, 05 Nov'10, Quechua, rlg. propag., Indian songs to match, webpage announcement in Castilian; 35433, better than B on 4985 which is typically vy. strong.

5120 R.Ondas del Suroriente, Quillabamba, 046-0056, 05 Nov'10, Quechua, but also bits in Castilian, talks, seemingly messages; 34342.

(Carlos Gonçalves - POR)

Övriga radionyheter

Professional SDR – IZT R3240

Hallo, all - just right for the DX season, I got another professional SDR (alas, on loan, only), namely IZT R3240. I placed a short hint on my website, together with a first screencast comparison:

<http://web.me.com/nils.schiffhauer/Website/Monitoring/Monitoring.html>

What separates the men from the boys, regarding software-defined radios (SDR)?

With pleasure, I took the opportunity to hook IZT's R3240 onto my antenna, and to compare it not to the about 25 Perseus receivers, being roughly its equivalent in money, but to just one of it.

Pricewise, IZT's marvel is aiming purely at the professionals. But let's hope to get this quality also on our tables in a couple of years. Testing & comparing is still in progress.

(73, Nils DK8OK via HCDX)

Check this direct links on YouTube which are uploaded by Niels Schiffhauer:

http://www.youtube.com/watch?v=ZSOo9jIAAEY&feature=player_embedded)

<http://www.youtube.com/user/DK8OK#p/a/u/0/SS4NbVhJliA>

<http://www.youtube.com/user/DK8OK#p/a/u/1/usPxRHdrWnk>

Price indication fort he IZT R32xx series is 15000-3000 Euro.

/Thomas Nilsson

RFSpace netSDR & SDR-radio

The release of the new netSDR is rapidly approaching. The development of the rx is almost finished, but there is still a lot to do finalizing the software. Some very interesting points emerged in the SDR Yahoo group adt I took the liberty to copy the most interesting items from <http://sdr-radio.com> Yahoo! Go there and read more about all the interesting stuff.

Some additional background comments: A week ago Anders Hultqvist had a little mail conversation discussing the lack of high resolution (zoom function) in this new software. I then decided to contact Simon by mail asking if it was possible to get something similar to the screen resolution used in Perseus zoom. Simon was very interested in this function and immediately started programming and within two days he came back with a different new method shown below - IQ analysis based on the recorded data. Using this method rendering takes only 5 minutes from an 8 hour recording when using very high resolution - fantastic!

This new function was met with very positive comments in their Yahoo group. I had just the same question in the pipeline to Simon when I saw a mail from MaunoRitola asking for a high resolution screenshot when listening. Also this new function seems to be fulfilled at once the sharp version 1.1 is released.

I believe it is fantastic to see that also the MW and SW list of wishes can be brought into a new software development. All honor goes to Simon and Pieter for having such keen ears!

(For the SWB-members only, you must by now found out who is the customer Simon refers to below and who was the messenger?)

This software together with the new netSDR seems to be the strongest competitor to Perseus and seems to take over the throne. It is very nice to see that kind of response. Thanks a lot, Simon and Pieter, and keep on! /TN

/Thomas Nilsson)



SDR-Radio software

For a customer I have to develop a high-res display. Here's an overnight recording showing 657 kHz (that's Medium Wave) with a display bandwidth of 20Hz.

You see all the stations on this frequency, some fading out as sunlight comes over Eastern Europe. This is not finished, more to do but I thought I would share this with you. (Simon, HB9DRV)

Simon, Very fine achievement. Congratulations.

I observe 2 things:

- Your radio LO drifts (well, probably mHz's) You need an external Rb or GPSDO ;-)
- One station (the one in the center) probably has a xtal oven controller of the on-off type.

These Hi Res displays lets you to see a lot of weird things. (73 de Ignacio, EB4APL)

Attached is an 8 hour recording processed through the SDR-Radio I/Q Analyzing mode. The file was processed in about 5 minutes with a 4 million point FFT. The maximum is 16 million.

The radio used is the new RFSPACE NetSDR with the GPS locked reference and low noise (-170 dBc/Hz at 10 KHz) oscillator.

The plot covers a span of 40 Hz at 30 mHz resolution.

(Pieter Ibelings, RFSpace)

Here's the download link for build 472:

http://www.ham-radio.ch/kits/sdr-radio.com/InternalOnly/SDR-RADIO_v1.1b472.exe

(Simon Brown, HB9DRV)

Is it not possible to use this better resolution in live listening? I just mean a quick glance with deep zoom on a certain fq to show the strongest carrier peaks, either as spectral view or waterfall or both as in Spectravue, please see a separate attachment at the end of this message of sample screenshot showing (mostly) Asian signals here just now on 1143 kHz. I tried to upload a video, but the file was too big. It is slow, but not too slow! About a minute, but of course much less is enough, just to see the carriers. In spectral view only a couple of seconds is needed. I have this also now on <http://www.youtube.com/watch?v=z40JqhREv00> (73, Mauno Ritola)

As soon as 1.1 is released I'll do this - it requires a change in a important part of the code, I don't want to risk this before the release. What you can for now is follow this screenshot (see bottom of posting):

- 1) Set Speed to minimum in RX Options / Waterfall
- 2) Enable Zoom
- 3) In the Zoom's [menu] select 1kHz

What I will do is allow bandwidths down to 50Hz, but at the moment I don't want to change the code until 1.1 is released next weekend. (Simon Brown, HB9DRV, <http://sdr-radio.com>)

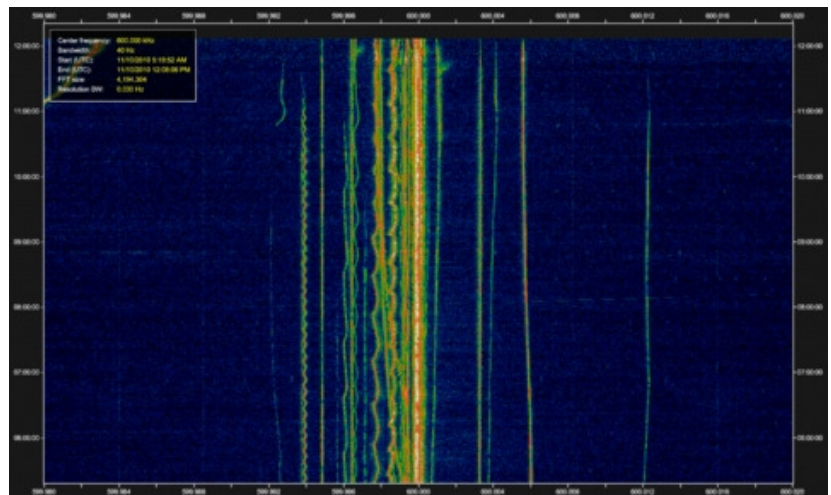
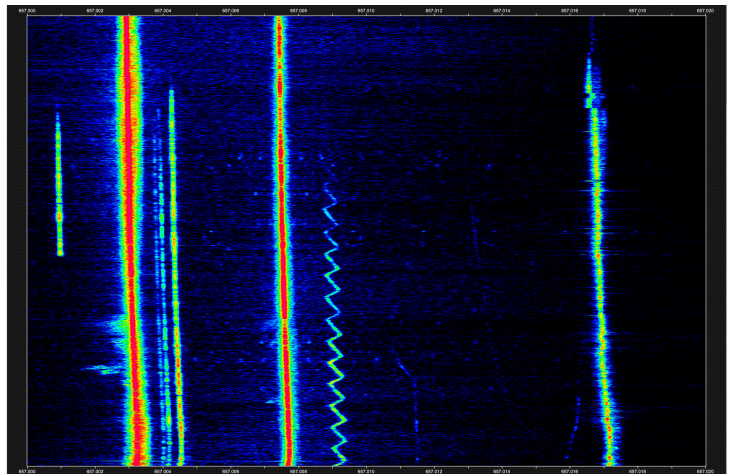
Hi Thomas, Mauno and all,

"Also tried the new IQ analyser. That is something which lots of people will appreciate, fantastic resolution and speed to render a frequency. Unfortunately my Perseus files are not supported - the test was based on rather small file from SDR-IQ. Is it not possible to use this better resolution in live listening?"

That is what you would do when using Linrad in coherent mode to select one or another carrier as the phase reference:

<http://www.sm5bsz.com/lir/am640/am640.htm> and <http://www.sm5bsz.com/linuxdsp/usage/kari/kari.htm>

The delay from antenna to loudspeaker becomes very long since the audio is derived from a backwards transform of a very



long transform. 30 milliHz resolution requires 15 mHz spacing between bins. Data spanning 1/0.015 seconds=66 seconds must be stored before the FFT process can be started. If your sampling is a 1 MHz you would need $4*2*1000000*66 = 528$ megabytes of raw data as the input to the second fft in linrad. Twice as much is needed to store the output. Buffers have to be allocated in sizes that are powers of two so 1 MHz is not possible.

I have made this tool available long ago but nobody has ever reported any interest so I have not made any attempt to improve it. It is obvious that one can down-sample to a modest sampling rate like 12 kHz before running the process. Then the need for memory and CPU power would be very small and one could make buffers span much more time.

Maybe Simon will become interested in developing a more user friendly user interface for something like this. The method should be very powerful for MW DXers who should be able to find situations where the improvement is much bigger than in the test cases I have uploaded.

(73 Leif / SM5BSZ)

All items and comments above are copied from <http://sdr-radio.com> , Yahoo!

RF Space netSDR serial no 001 tested in northern Finland by TuA

Another main goal for this expedition was testing the brand new RFSpaces's NetSDR -receiver coming to the markets later this year. It worked fine and stable, overall performance was very good and it was easy to use. It is great to be able to record the whole AM band for later investigation. The widest usable BW to record is 1300 kHz and you can record this BW direct to your PC's HD or your external HD as well. Both ways worked well. I used two SV applications simultaneously in the same desktop PC. One SV recorded all the time 1300 kHz BW and with another SV I checked earlier 1300 kHz BW - files with 0.73 kHz resolution. It was amazing! My PC never crashes neither did the NetSDR or SpectraVue -applications.

My special thanks to RF Space and Pieter and Moe for letting me use this NetSDR proto. NetSDR proved to be a perfect receiver also for us hunting the weak AM -signals over the Atlantic in remote and quiet QTHs equipped with long beverage antennas. I think this receiver will be very popular among the serious medium wave listeners and SWLs as well. ENOX24 is signing off. (TuA)

Copied from <http://pudxk.blogspot.com/> where you can read more about the expedition. /Thomas Nilsson

RF Space netSDR

The netSDR is ethernet based instead of USB. The radio is pretty much finished, we are waiting for the FCC and CE testing before we start shipping. The performance is phenomenal compared to the top performers. It will be offered with a reference lock option as well as internal downconverters for VHF. I will be shipping one to Simon next week so he can start testing with it. It uses the same exact protocol as the SDR-IP so it already works with SDR-Radio. It will be priced slightly above the SDR-14 that has been discontinued. We plan some very exciting feature with this radio like diversity reception, adaptive polarity, triangulation, direction finding etc using multiple radios. There are a few other features that we cannot announce yet, but it will be very exciting. (Best 73s, Pieter)

Copied from <http://sdr-radio.com> , Yahoo!

LINRAD Comments

Have a look here:

<http://www.sm5bsz.com/linuxdsp/usage/am1030.htm>

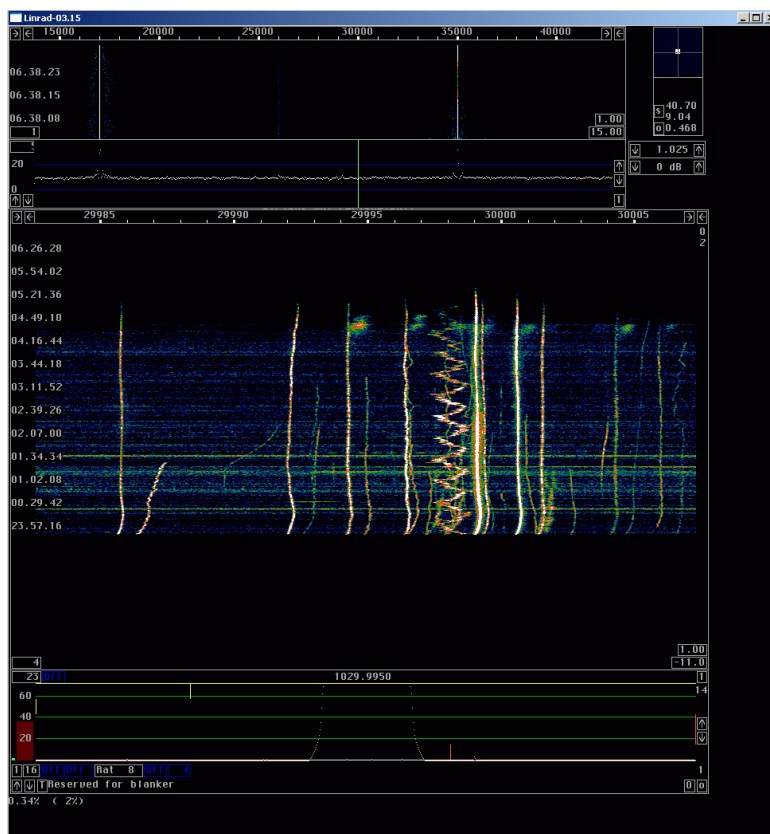
With option 01 the frequency stability of SDR-IP is excellent.

Just by the frequency drift pattern one can identify the stations by comparison with a similar recording from another continent.

The sensitivity is extremely high so one can identify stations that are about 65 dB below the level where an id is possible which means that a local 1W AM station could be identified with a 10 dB margin in case a 100kW transmitter can be identified at all.

Knowing for sure that the station is there and by how much you have to improve S/N to decode it might be of interest to many MW DXers;-)

(Leif / SM5BSZ via Perseus YG)



New DXpedition base in Finland becomes instant success

The first ever purpose-built DXpedition base in Finland was constructed earlier this year, tested by us in October, and found to be excellent. A spartan cabin in the middle of nowhere is equipped with nine beverage antennas, each almost a kilometer in length. A bunch of New Zealand AM stations and a 10-watt highway advisory station from Alaska were among the highlights heard in Aihkiniemi. Read more at <http://www.dxing.info/dxpeditions/aih3rep.dx>



Here's a follow-up to the Aihkiniemi DXpedition report published a couple of days ago: The second leg of our two-part DXpedition (first in Aihkiniemi, then in Lemmenjoki) began in a very sad way; our landlady Kristiina Jomppanen had passed away just two days earlier at the age of 90. Her sons reassured us that we would nevertheless be most welcome, and that they will be happy to host DXers also in the future. DXing didn't offer much consolation. Solar weather was unfavorable, and conditions began to improve only just before we had to leave. Still, quite a few nice new stations caught - and plenty of time for photography!

Read more at <http://www.dxing.info/dxpeditions/lem295rep.dx>
(73 Mika Makelainen via HCDX)

CLASSIC RECEIVER CORNER – DRAKE DSR-1

In addition to the familiar hobbyist level receivers produced by R.L. Drake Co., there was also been a line of quality sets manufactured for maritime and military applications.

The DSR-1 is one such set, dating back to the very early 70s. The most noticeable cosmetic characteristic of this radio is the bright orange digital nixie tube frequency display – always of interest to serious collectors. But performance of this set was also exemplary, with well-chosen bandwidths and good sensitivity. In fact, it was ahead of its time, being reminiscent of radios produced some years later.

For those interested, more details are available from the Drake Virtual Museum: http://www.dproducts.be/drake_museum/dsr-1.htm

(Nov Australian DX News via DXLD)



[Hypothesis Confirmed...and a Winding-Down of Five Below](#)

I've written the Five Below blog for the past three years, to let others follow along with my impressions of the then-new (2007) Perseus. The question at the beginning was: *will Perseus be suitable as a high performance MW DXing receiver?* I suspected it would, but I knew of no other DXers using the radio for medium wave primarily, when it was first introduced. With answering that big question as my goal, in 2007 I transitioned my Flex Radio SDR-1000 blog (active for the prior year and a half) to one about foreign medium wave DXing with Perseus.

Now in late 2010, I'm overdue in stating categorically, "YES"! Perseus is one of the best choices a MW DXer can make in a receiver. Its unique features and strengths have been thoroughly covered here and elsewhere. With my original "hypothesis" about Perseus confirmed, my main reason for writing this blog is now history.

It's time for me to get to a number of overdue and set-aside radio hobby projects, and do more actual DXing, than *writing about* DXing with Perseus. It's been a lot of fun along the way; and from the comments I've received it's clear that more than a few readers have benefited, too.

I'll leave the blog pages up and running through at least the end of November, including the Perseus WAV downloads. I encourage you to snag whatever WAVs you are interested in over the next few weeks, if there are some you haven't yet downloaded. Also, please support the [SDR Filesharing](#) Yahooogroup with your files, and the [Perseus SDR Yahooogroup](#). I'm not leaving the hobby-- far from it. I am just refocusing attention on my core DXing and radio-related interests. After 4-1/2 years of writing about SDR receivers I'm ready for a break from blogging, too. I encourage your readership and support of the other excellent Perseus sites and blogs. Check out the **Interesting Links** section above for many of these.

Thanks to everyone who participated in and contributed to Five Below since 2007!

(73, Guy)

Guy, thanks a lot for all the interesting stuff you have provided us with since start of the blog. I can understand that you now feel it is time to go on with other adventures. For sure Perseus has changed our way of DX-ing. But as we can see from the info above new SDR:s will come and give Perseus a real challenge. Again thanks for sharing a very interesting site with us! /Thomas Nilsson

Ideas for Enhanced Beverage Antenna Performance

by Peter Hutter, WW2Y and Rob Flory, K2WI

Check this link if you plan to get the most out of your beverage performance: http://www.kkn.net/~n2nc/bev_arrays/
(73 Dan Andersson via NORDX)