

SHORTWAVE BULLETIN

Issue no. 1688 March 7, 2010.

Deadline e-mail next issue: 0900 SNT, March 21, 2010.

Glöm inte anmälan till konventet.

Kontakta Christer Brunström snarast.

I detta nummer presenteras Jürgen Bartels' freeware-program "StationList" som har flera smarta funktioner till Perseus och Winradio.

Har haft en del kontakt med AHK under veckan och utbytt några skärmdumpar på en del MV frekvenser i Waterfall mode. Det syntes då tydligt att Perseus drev en del under uppvärmingen och eftersom Vanuatu gått på båda sina frekvenser så har jag tagit dessa som exempel och visar hur enkelt det är att bevaka en frekvens och se när sändaren går igång. Där syns också tydligt hur Perseus betar sig från kallstart resp. när den är helt uppvärmd.

Kolla också in Tarmo Kontros nya kondensmätare "Icicle observation Method" som relaterar kondsen till helt nya begrepp!

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://hem.ektv.nu/~ekt035221/password.htm>

Meddelande från Bengt Dalhammar:

Ingen medlemsavgift kommer att tas ut för SWB 2010! Däremot tas portokostnaden ut för de som fortfarande önskar bulletinen per brev! SWB will be free for all members during 2010!

QSL, kommentarer, mm.

Ullmar Quick: Hej Thomas: Ett litet strå till stacken, alltså SWB, kommer från mig. Inget märkligt alls, mer som ett livstecken. Trevligt att läsa bulletinen, och bäst blir det då man skriver ut den. Att läsa sida efter sida från nätet är inte min stil.

Växlar mellan två mottagare på kortvåg, en SONY ICF7600GR och en Sangeans ATS 909, den förra ansluten till en vertikal antenn med 60 m tråd på en gardinstång i sovrummet, den andra till en kombination av windom/inverted v 27+15 m. Har också en Tecsun PL600 för lyssning på MV med loop. Min stora rx NRD535D står f.n. oanvänd, då den tydligen behöver trimmas genom att den inte presterar bättre än de små mottagarna!

Om inte alla redan vet om det: En ganska användbar kv-stationslista finns på <http://www.eibispace.de/dx/freq-b09.txt> och man kan välja mellan frekvens- och tidsordning. Ett komplement till WRTH.

Så mina loggningar - mer kommer före deadline om jag får tag i något trevligt.

Christer Brunström: Voice of Malaysia 15295 nytt QSL-kort, folder och dekal. Allt kom per Federal Express.

Lars Skoglund: Här kommer ett bidrag till SWB. QSL: **Guangxi Beibu Bay Radio 5050** svarade med ett brev.

Björn Fransson: Tack för påminnelsen! Inte mycket, men något i alla fall kommer här. **QSL till BEFF: Radio Öömrang via Wertachtal-15245.** Kort e-mail från arrangören Arjan Kölzow med bara orden "Tank for listening" och webadress till deras "radiostream".

WJHR Radio International, Milton, FL-15550. Kort e-mail från G.S. Mock.
Asian Broadcasting Institute via Tashkent-12085. Snyggt kort.

Anders Hultqvist: Brassarna gick fint i både 25mb och 60 mb i går kväll. Även nu på morgonen hördes brassarna skapligt i 60mb. Men i övrigt väldigt tyst. En förmodad amerikansk gospelstation på 4840 kHz fångade mitt intresse. Men det bjöds enbart på computer/tekniksnack i rasande högt tempo. Inget "Special English" här! Jag fick inte fram något tydligt id, men 1-800-899-8511 var ett telefonnummer som upprepades ett antal gånger. En koll i telefonregistret (<http://www.prodia.com/areacodes-Num1.html>) visar att area code 899 inte existerar... Hördes ganska bra på min 270-graders antenn.

Kan ju eventuellt vara WWCR som nu testas här, ex 4775. Se tipsspalten, loggad av CB /Thomas

Både AHK och jag hade Perseus på den 1/3 vid 0600 UTC. Bl a utbyttes skärmdump på 1570 kHz. I waterfall mode kunde man tydligt se skillnader i antal signaler där jag hade några fler och man kunde också tydligt se hur Perseus inte hade hunnit stabilisera sig från kallstart runt 0550. Förmodligen får jag in några NA eftersom min antenn pekar i 300 gr och AHK's i 270 gr. Intressant i varje fall att kunna jämföra med exakt samma upplösning. /Thomas

2310			VL8A Alice Springs NT some audio 1100, 4 March [Wilkner]
2325			VL8T Tennant Creek NT, Best signal of the three NTs 1100, 4 March [Wilkner]
2379.9t.			UNID 1000, seems signal here/ in the past, Brasil Radio Educadora, Limeira, SP [Wilkner]
2485			VL8K Katherine NT weak but still readable audio 1100, 4 March [Wilkner] Radio Luz y Vida , San Luis back on frequency as of 2,3,4 March 1100 en espanol good signal. Noted on 3249.6v numerous days at 1000 with transmitter problems [Wilkner]
3250			Unid Distorted signal....1100 [Wilkner 23 Feb]
3290			Radio Central , Boroko 1155 to 1200 audio still in, 4 March [Wilkner]
3309.98			Radio Mosoj Chaski , Cochabamba yl strong signal en espanol 0045 [Wilkner]
3329.615			Ondas del Huallaga , Huánuco noted on top of CHU, strong signal 0015, IF notch [Wilkner]
3375.34			Radio Municipal São Gabriel da Cachoeira return to frequency 3 March, 4 March 1000 to 1030, 0930 mx om Portuguese [Wilkner]
4451.12			Radio Santa Ana , Santa Ana de Yacuma 0055, seems to sign of later. [Wilkner]
4700			R San Miguel , Riberalta 2323 strong signal, 0930- 0955 om dj,vocals good signal [Wilkner 22/23 Feb]
4716.19			Radio Yura , Yura 0020 [Wilkner]
4754.9.			Radio Imaculada Conceição , Campo Grande, MS 0940 to 1000 fair signal at best, deep fades. [Wilkner 23 Feb]
4760			AIR Port Blair 1200 to 1218 fade, subcontinental music, om and yl,fair to good before fade 1 March [Wilkner]
4774.9			Radio Tarma . Tarma 1041 om vocal with instrumental background, good 4 March [Wilkner]
4775	21.2	0445	WWCR , USA, in English, interview, very good (Bernardini)
4796.37			Radio Lipez , Uyuni 1030 to 1045 return to frequency, after three weeks absent [Wilkner]
4800			XERTA , 0943 - 1130, music om IDs, Palabras de Dios [Wilkner 23 Feb]
4814.95			Radio El Buen Pastor , Saraguro Loma Loja noted with good signal 1035 on March 4. [Wilkner]
4840	2.3	0520	WWCR Nashville TN testar nu här med religiöst program. Ex 4775 kHz. 2-3 CB
4840	7.3	0558	OID med EE och tekniksnaack och amerikanska telefonnr. Hördes även efter 06.30 AHK
4960	21.2	0442	VOA , Sao Tomé, in English, reports, S9+, good (Bernardini)
5019.95			SIBC 1012 yl news, music good signal until 1145 when local Radio Rebelde increased power [Wilkner 23 Feb]
5039.30			Radio Libertad Junin noted at 1040 to 1050, weaker than a few months ago. May be irregular [Wilkner 23 Feb]
5045	21.2	0437	Radio Cultura , Belem, Brazil, nice Brazilian songs, S9 good (Bernardini)
5055	23.2		UNID [Vanuatu, Radio Vanuatu ?] Some audio but not enough 1000 to 1020 [Wilkner]
5120.45			Ondas del Suroriente , Quillabamba seem regular at 1100 daily [Wilkner]
5485.571	22.2		Radio Reina de la Selva , Chachapoyas 2320 to 2335 fair to good signal, mx [Wilkner]
5580.19	28.2		Radio San José , San José de Chiquitos 2340 to 2355 music, irregular schedule. [Wilkner]
5755	4.3	0700	WTWW Lebanon TN verkar ha startat reguljära program Q3 LSD
5755	4.3	0615	WTWW Lebanon TN med snackprogram. Svag i bruset. CB
6173.9			Radio Tawantinsuyo , Cusco en espanol 1115 on 4 March [Wilkner]
7110	21.2	0400	Radio Ethiopia , id and news, presumed in Amharic, fair (Bernardini)
7175	21.2	0406	Voice of Broad Masses , Eritrea, talks by woman, songs, it sounded like jammed, fair signal but poor overall merit (Bernardini)
7185.7			Myanmar Radio presumed at 1100 to 1120, some weak audio, per Valko and Sharp Logs 4 March [Wilkner]
7200	21.2	0411	Radio Omdurman , Sudan, talks in Arabic mentioning Sudan, Darfur, Salam. Fair to good in LSB to avoid interferences (Bernardini)
9480	1.3	2200	Lebanon TN (?) - förmodligen denna station med musik. Inget ID hört. Svag. CB
3250			Radio Luz y Vida , San Luis 0046 om in espanol good signal, return to frequency [Wilkner]
9505	25.2	2100	CVC International UK till Västafrika. QSA 3. En station finns under - vilken? UQ
9505	25.2	1820	BBC Singapore carrying Dari pgm with beautiful Afghan folk songs. QSA 3. C/d 1900. UQ
9525	25.2	1945	TWR Swaziland in French, c/d 1950. QSA 3. UQ
9550	25.2	2010	FEBA via Kigali, Rwanda in Arabic with a play about Abraham's life. C/d 2025. UQ
9550	25.2	2030	Voice of Vietnam in English to Africa with news. QSA 2. UQ
9565	21.1	0431	Super Radio Deus è Amor , Brazil, usual religious talks, fair/good (Bernardini)
9645.3	21.2	0419	Radio Bandeirantes , Brazil, songs, commercials, fair (Bernardini)
9730	25.2	2030	Voice of Vietnam in English in parallel with 9550 kHz QSA 4. UQ
11750	5.3	1630	Sri Lanka BC Corporation med sändningen på singalesiska till Mellersta Östern. Trevlig

musik. 3 CB
 11815 5.3 2010 **Rádio Brasil Central** med sertanejamusik. 2 CB
 13570 5.3 1800 **WINB** med ID och sedan programmet Voice of the Spirit. 2-3 CB
 13660 22.2 1130 **RNZI** med DX-inslag. 3 CB
 14275 28.2 1345 **KIAMN** med en slinga, där man ber radioamatörerna om hjälp med samordningen av
 hjälpinsatser efter tsunamin. S 3. BEFF
 15245 21.2 1600 **Radio Öömrang** med sändning för Amrum, en ö i den nordfrisiska ö-arkipelagen. Mysko
 tyska, men också engelska ID, där man anger fel frekvens. S 4. BEFF
 15295 5.3 0927 **Voice of Malaysia** med programmet Voice of Islam på engelska. Huvudsakligen musik.
 Betydligt bättre mottagning än vanligt - ny sändare? 3-4 CB
 15345.2 5.3 2108 **RAE** med sitt program på tyska. 2 CB
 15400 6.3 1317 **HCJB Global Voice**, Australia med "DX Partyline" och inslaget Christian Shortwave Update
 presenterat av Christer Brunström. 4 CB
 15550 12.2 1415 **WJHR**, Milton, FL med religiöst babbel. Svag och bara USB. S 2. BEFF
 15750 1.3 0500 **Bar-Kulan Radio**, ny sändning mot Somalia. Mycket HoA-musik. S 3. BEFF

Re 4755 Stig Adolfsson logging in SWB 1486: Exotic enough, at least until IDed. Very interesting. Seems like a mixing product, especially with the two audios. Would they really be playing the International in post-Soviet Russia or vicinity, backsliding so much? A simple leapfrog over 5940 to land on 4755 would have to come from 7125, no longer a viable frequency (gh, DXLD)

Stationsnyheter

DJIBOUTI [non]. Newly discovered **clandestine La Voix de Djibouti, 15165**, confirmed Feb 25 at *1530-1629:30*. Had looked for it starting before 1500 as there was conflicting info about correct schedule, but nothing there, until cut on abruptly at *1530, with music, anthem? Then brief announcement, also brief Qur`an, more talk in non-French, mentioning kHz, and a .com.

Presumably all in Somali and still so when local noise, power-tooling neighbor overrode at 1610-1619. By 1619 when that cleared up, station had switched to French; sounds like a lot of platitudes. Dave Kenny, who had no such noise interruption, says French started at 1612.

Cut off the air at 1629:30* sharp before speaker was finished. So it's coming from a transmitter site with precision timing, but no clues beyond that. Signal at start was S9+10 with flutter and diminished somewhat during the hour.

Tnx to Chris Greenway for uncovering this, which has allegedly been on the air every Thursday since 7 January. More in French only at <http://www.lavoixdedjibouti.com/>

About time Djibouti, the former French Somaliland, Afars & Issas, had its own clandestine! Website indicates it is that, ``free and independent voice``, etc. Emissions Radio page actually linxs to mp3 files of the seven/eight broadcasts so far, and there are also apparently full French transcripts on the next page.

I did not realize Djibouti was so mountainous, even above the timber line, judging from the only illustration on the website. Hints it may be based in Colorado? (Glenn Hauser, OK, WORLD OF RADIO 1501, DX LISTENING DIGEST)

 If there's still any doubt about the time of this broadcast, the clip on the Interval Signals Online website includes a frequency announcement in French. Go to www.intervalsignals.net and navigate to 'Djibouti'.
 (Dave Kernick via DXLD)

ERITREA. On 22 Feb at 1500- I was checking the jamming situation on 5060 and 7175. No jamming on 5060 although the weak Eritrea was audible under strong China. At 1600 no jammers appeared to 7175 where VOBME was carrying some celebration program. When rechecking 7175 at 1606 noted there enthusiastic female voice in American accented English talking about youths of Eritrea and new generation.

Ended her speech with phrase "Victory to the masses" and got loud applause. Back to local languages and music. This program was also broadcast on 7210 and 5060.

Checking later the web noticed that on February 22 there was "Worldwide rally against UN sanction on Eritrea" in various cities of the world. That surely was the program subject.

(Jari Savolainen)

GUYANA: In mail to Bernie Wise: "I am referring to a news notice in the November Edition 2009 of Radio World - "Energy-Onix recently shipped one of its new Pulsar HF 10 kW solid-state shortwave broadcast transmitters to the Guyana Broadcasting Corp. [...] The Pulsar HF is DRM compatible".

To keep the book updated I would appreciate very much if you could help me with some information - when is it scheduled to go on the air and the location of the transmitter site"?

Sincerely yours, Tore B Vik, co-editor WRTHB

 In reply from Bernie Wise: December 9, 2009.

"Reference is made to your request. Please be advised of the following: Guyana Broadcasting will initiate service on 15 February 2010 at 3.290 MHz and 5.290 MHz from Georgetown, Guyana."

Best Regards, Bernard Wise, President Energy-Onix Broadcast Equipment Co., Inc.

Tel: 518-758-1690, Fax: 518-758-1476 ,Email: energy-onix@energy-onix.com, Web Page: www.energy-onix.com

HONDURAS. Re the unID extremely distorted Spanish on **3290/3287** I have heard between 02 and 0355* on two occasions: not on every night, but David Crawford, FL, tells me he was able to identify its ``tortured FM`` as **Radio Luz y Vida, nominal 3250**; that was my second possibility after HREZ 3340, both of which have been missing from their assigned frequencies (Glenn Hauser, OK, DX LISTENING DIGEST)

MADAGASCAR. 7105.005 Radio Malagasy, 1323, fading-in nicely with language woman, then into local music to past 1330. Feb. 28 (David Sharp, NSW, Australia via Wilkner)

INDONESIA. 7289.864 RRI-Nabire, 2307, Indonesian talk by woman and into local music. Just above threshold but readable due to quiet conditions. Never heard this one at this time before. March 5. (FT-950, NRD-535D, etc David Sharp, NSW, Australia via DXLD)

MYANMAR. 7185.775v MRTV, 1312, local music, then into language man to 1316. Wobbly transmitter, drifting as high as .783. Feb. 28 (David Sharp, NSW, Australia via Wilkner)

PERU: 5014.33 Radio Altura, Cerro de Pasco the strongest Latin on 60 metres tonight (due Radio Rebelde Cuba 5025 on open carrier). Noted with full identification in Spanish 0509 24Feb. Rarely heard at this time, so maybe special event? (Bryan Clark, Mangawhai, New Zealand via DXLD)

PERU: New Shortwave station in Peru, 5485.6. The below raises question whether recent logs on 5485.6v really got a definite ID for the previously listed Radio Reyna de la Selva. And even so, if there is some relation between that and the new one. Peruvian SW stations have been known to sell their transmitters to other stations, elsewhere in the country, complete with crystal for the same frequency.

WRTH 2010 shows Reyna on 5487 in Chachapoyas, Amazonas; on 1320 there is a Radio 1320 en Olmos, Lambayeque, OBU1S, so that has a license (Glenn Hauser, DX LISTENING DIGEST)

Rafael Rodríguez en su blog "DX desde Colombia" reporta sobre la nueva emisora peruana... **5485.6, RADIO FRECUENCIA POPULAR**. Olmos, Perú. 2306-0202* febrero 20-2010. Nueva emisora. Música folclórica peruana. "...Para todo el norte peruano somos Frecuencia Popular..." Anuncios de Electrónica Echeverry. Mencionan onda media en 1320 kHz.

Al dar la hora: "...7 de la noche con 07 minutos, 7 de la noche con 07 minutos, la hora que te informa Radio Frecuencia Popular que transmite desde sate [?] distrito de Olmos..." Cierre a las 0200*.

Chequeando la informacion de los colegas Robert Wilkner y Dave Valko a traves del DXLD 10-07 (febrero 18, 2010); sobre la reactivacion de la emisora Radio Reina de la Selva; ayer me encontré con un fuerte señal luego de las 2300 con música tropical y folclórica del Perú; mi sorpresa al identificarse como: "Radio Frecuencia Popular, el poder musical de tu radio". El locutor se identificó como Carlos Airio Florez, mencionando transmisión "para todo el noroeste peruano". Esta nueva emisora transmite desde el Distrito de Olmos en la provincia de Lambayeque, departamento del mismo nombre. Opera en onda media por los 1320 kHz (frecuencia registrada en el WRTH del cual dispongo y es del 2008), mencionan frecuencia de onda corta como "54-90".

Mencionaron dirección en Calle Atahualpa 1073 de sus oficinas y Calle San Francisco, prolongación salida a ??? [sic], como dirección de su planta transmisora. Mencionaron un No. de celular para contacto, el 94 8002968, pero no me he logrado comunicar a través de este número.

En la base del Ministerio de Transporte y Comunicaciones del Perú aparece la frecuencia 1320 KHz en Olmos autorizada a ECHEVARRIA PUITIZA MILCIADES con el prefijo OBU-1S.(Rafael Rodríguez, Colombia via DXLD)

SOMALIA: Somalia's Most Exciting Radio Station Goes Live on March 1st 2010. By: Abdiqafar shire. Bartamaha - **Bar-Kulan** - a radio for Somalis and by Somalis everywhere in the world, from the horn of Africa to Toronto and all places in between takes to the airwaves on march 1st at 0500 GMT. More at : <http://www.bartamaha.com/?p=21881>
(Alokesh Gupta, VU3BSE via DXLD)

VANUATU: Hei, siden 19 Feb. 2010 har Radio Vanuatu kjørt sendingene på 5055 kHz i parallell med 3945 kHz. Tid: 0700-1600 og 1900-2100 utc. Høres meget bra her i New Zealand fra 0700 og utover kvelden (NZ-tid). Hei fra Christchurch, NZ (phu 30° + !!! her de seneste dagene) (Terry Nielsen via NORDX)

Both 5054,97 and 3945 kHz seem to sign off now at 1225v (only carriers detected now in the end of February of course), that's why 5055 kHz isn't heard any more in the late afternoon. Both start at 1830. (73, Mauno via NORDX)

Noted yesterday Feb 26 s/on 5054.97 1830z drifting +- 1 Hz. 73, Tarmo Kontro

Hi Glenn, thank you for responding. I got back on Friday, but have dysentery so not been feeling well. As of Wednesday, February 24th, here is what we accomplished. 5055 is on at about 3,500 watts, and 3945 is on at 7,000 watts. But, due to the unstable A.C. power infrastructure, I had to design the protection circuits to be very sensitive. The systems will "fold-back" the transmitters to 2,000 watts if it senses any kind of spike or surge in the A.C. power feeds.

It may take the staff at Radio Vanuatu a few days to respond and clear the "fault mode" power cutback. So, there's a good chance you may be hearing them at 2,000 watts at certain times. I just wanted a situation where they remain on the air, but with no "catastrophic" failures until the infrastructure becomes more reliable.

The antennas for each frequency are two fan dipoles, in phase, side by side. They are broadside north by northwest, by south-south east. Unfortunately, the U.S. is in the "null" of both services if you follow the "great circle" path. The 7260 frequency won't be used until next January or February, depending on how the cycle progresses.

The staff hasn't finished the QSL design so they weren't ready when I left on the 24th. I'm going to be in constant communications with them, so will keep you posted with any updates. Within the next couple weeks I will be joining your service.

Yes, there are more new stations but I don't have the details on frequencies yet. Glenn, please thank everyone for the help, and keep me posted on how Radio Vanuatu is doing signal wise. I'm also curious on how the audio sounds. This new design I focused on trying to have great audio quality. It would be nice to get critical reports on how the audio compares with the "big guns". Thank you so very much for the assistance you've given me. Your website has been a godsend to me (JAMIE Labadia, Feb 28, DXLD)

Övriga radionyheter

GRIM TIMES AHEAD FOR ALL RADIO USERS

Hi, This is Mike from UKQRM. We recently found out that PLT (powerline adaptors) that currently wipes out most of the shortwave spectrum are being pressed for that will use the spectrum from 2 to 300 MHz!

Yes, sounds incredible, I know. Ofcom have commissioned a study to look at victims; however, with the green light they have given to PLT up to now, I would not hold out much hope.

The RSGB as most of you will know are also hard at this fight with us. If you are concerned then please consider joining us. More info here. <http://www.ukqrm.org>

Cheers (Mike, Feb 21, monitoring-matters yg via DXLD)

Hi Mike, Yes coupled with the shutdown of radio broadcasting below 200 MHz planned for 2015 it's a very worrying situation. The emails released by Ofcom under an Freedom of Information request are of course on the UKQRM Yahoo group and there's a link to them at http://www.southgatearc.org/news/february2010/ofcom_pla_emails.htm

The RSGB General Manager mentions the use of VHF by PLAs in his blog at <http://www.rsgb.org/managersblog/>
73 (Trevor M5AKA via DXLD)

"Icicle observation Method"

The new method for prediction of mediumwave reception conditions using the "Icicle observation Method" (not yet approved by scientists, though) has been discovered this winter! The picture shows a clear correlation of icicles and Auroral Level (prediction by the University of Colorado). More research will be done in a near future. Note that the picture shows improving conditions at the end of this month (27-28 Feb & 1 March) which actually have already been noted by Nordic dxers.

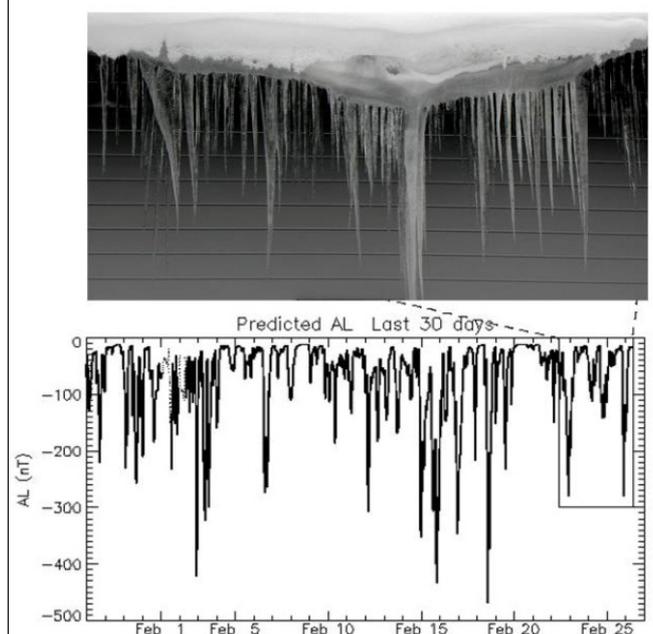
This is one of the items to be discussed at the next PUDXK-winter meeting next week near Oulu. There will be other interesting themes as well - stay tuned into the PUDXK-blog and this one in March. ;-)

And please be careful on the roof - just now billions of tons of snow is covering the roofs in Finland and Scandinavia and people with snow shovels are a common view.

(73 Tarmo Kontro from <http://kingsvillagedx.blogspot.com/>)

Tarmo, you have to take a doctors degree on this new method! /Thomas

Auroral level vs. icicles at the roof edge correlation (Feb 2010)



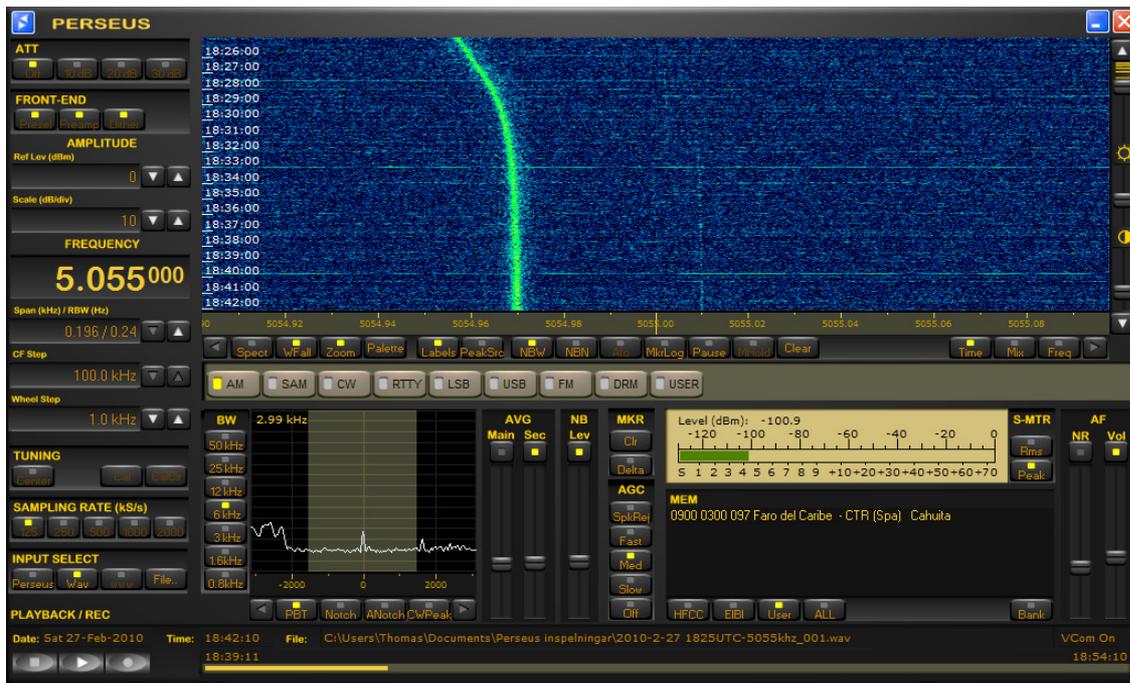
Perseus Stability observations

The radio amateur F4EMV has uploaded a pdf document in the Perseus YG files, where he has measured Perseus stability from cold start on 10 mHz and with room temp of 21,7° C. His results: *Stability after 5 min. 1,65 ppm, after 15 min. 0,76 ppm and after 30 min. 0,28 ppm. Full stability is reached after 70 min. Total drift from cold start ~ 4 ppm.*

The other day I tried to catch R Vanuatu on their new frequency of 5055 and luckily succeeded at my first attempt on Feb 27.

Perseus was set up in waterfall mode directly from cold start at 1824. Below you can clearly see that it takes at least 15-20 minutes before the signal is relatively stable. The drift seems to be roughly 15 Hz from cold start during this time. The frequency is then beginning to stabilize very near 5054,97 kHz.

I have made a few other recordings from a cold start on the 60 m band and all recordings showed the same pattern, at least 15-20 minutes to warm up before getting an acceptable stability.

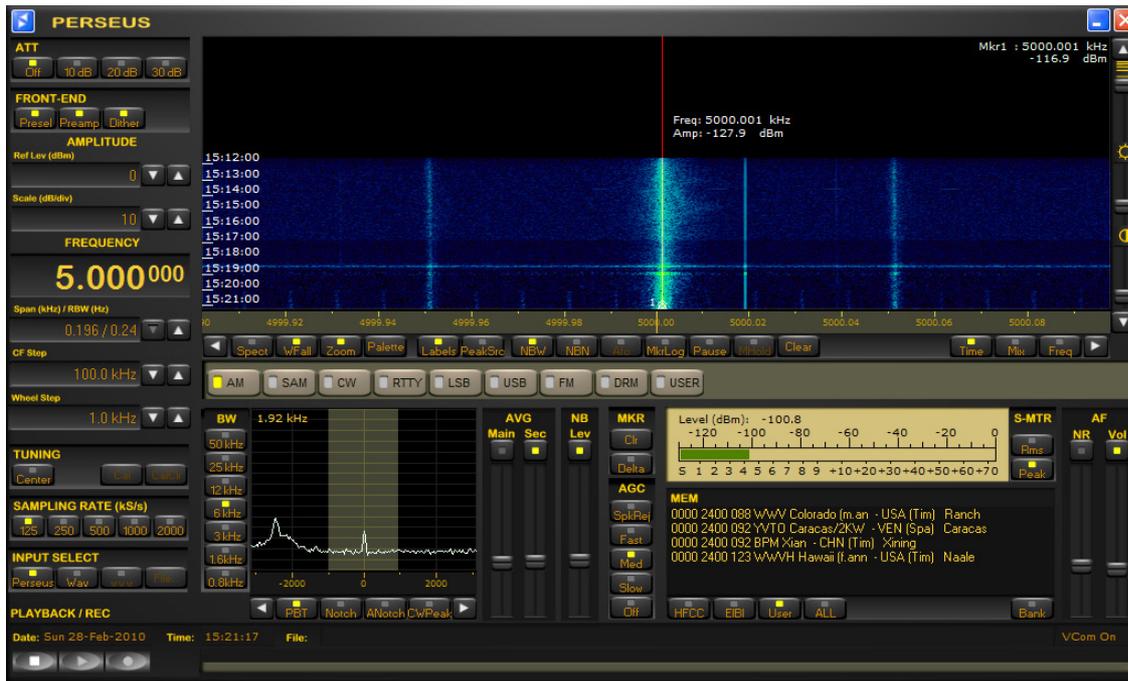


The next print screen shows reception of Solomon Island on 5020 kHz, stabilizing at 1510 UTC on a frequency of 5019,964 kHz. After checking MSF on 5000 the misalignment is 1 Hz high which gives a stabilized frequency of 5019,963 kHz.



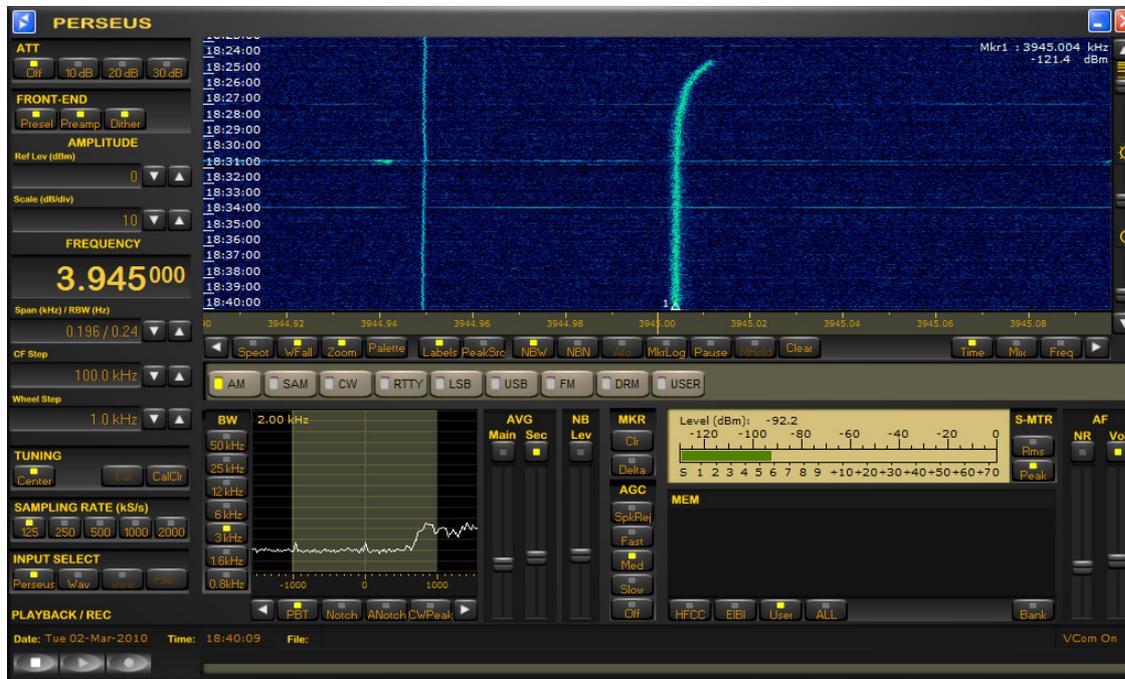
The next print screen shows the calibration accuracy of MSF on 5000, 001 kHz.

As it is quite difficult to hit exactly “on spot” during calibration I accepted the 1 Hz misalignment. This means that R Vanuatu above is on 5019,963 kHz with the display showing 1 Hz high.



The next print screen shows R Vanuatu on 3945 measured on a completely warmed up and stabilized Perseus. Their transmitter signs on at about 1825 UTC and the transmitter drift from sign on is clearly visible.

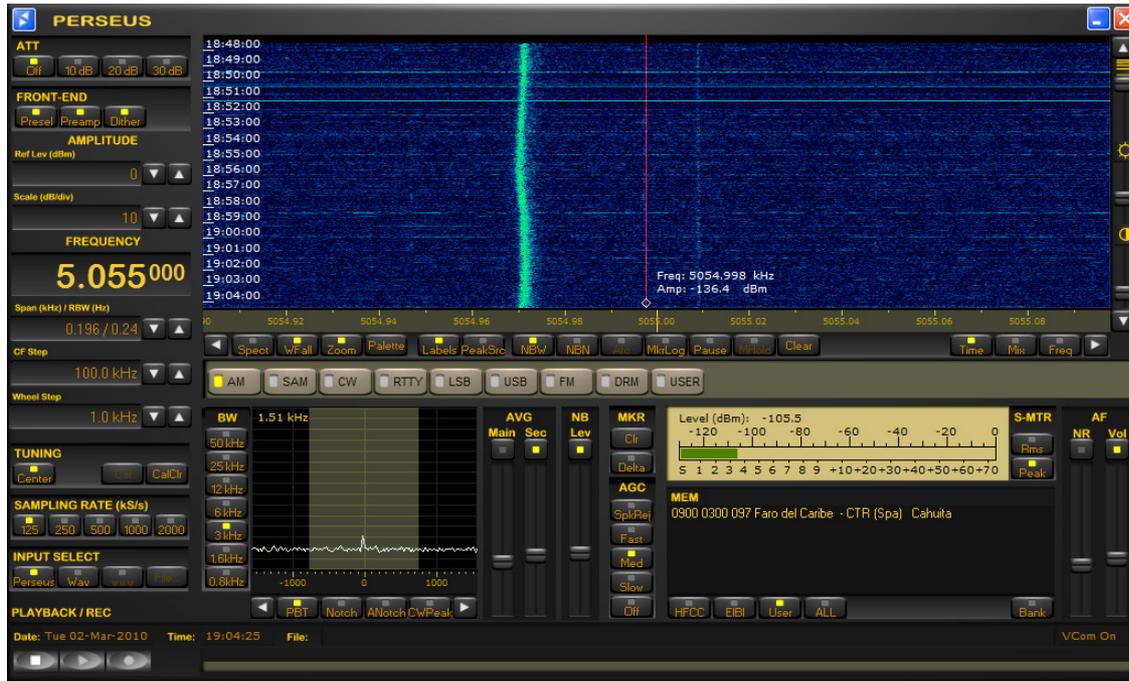
Comparing to the calibration (showing 1 Hz too high), the exact frequency for R Vanuatu is in this case 3945,003 kHz.



There is another print screen from March 2 of R Vanuatu on 5055 kHz measured on a completely warmed up Perseus and checked from their sign on at about 1825 UTC.

As you can see from this print screen it is quite evident that there is a slight transmitter drift of about +/- 1 Hz this evening.

This instability is also reported by Tarmo Kontro in Finland. (See stationsnyheter above, Vanuatu).



"StationList" by Jürgen Bartels

This is a freeware tool for unattended recordings and logging, including frequency lists to be used with Perseus and WinRadio. Download from http://dx.3sdesign.de/station_list.htm

Freq	Offset	Info	modified	Flag
1510	1510.3	PRU ()	2005-04-12	
1512	1511.9958	ARS BSKSA Call of Islam/Holy Quran (Jeddah) 24h	2009-05-22	
1512	1511.99795	IRL Tyrone Community Radio (Lifford)	2009-05-22	
1512	1512.00	IRN IRIB Sarasarye R.Iran (Ardabil)	2009-10-07	
1512	1512.001	AUS 2RN ABC National (Newcastle/Beresfield) 24h	2006-04-12	
1512	1512.001	RUS Radio Yunost (Ibresi/RTPS) 0200-0000	2006-12-17	
1512	1512.0021	GRC ERA Net/ERA 2/ERA Sport (Khania)	2009-05-22	
1512	1512.003	AUS 6BAY FM98 (Geraldton/Morawa) 24h	2005-10-11	
1512	1514	THA Thor.Or. 011 - Thahaan Aakaat (Klong Hoi Khong, Songkhla)		
1517	1517.08	PRU OCX2Q Radio Inca (Los Baños del Inca) 0800-0300	2005-03-29	
1517	1517.4	CHN Henan RGD (unknown)		

StationList comes with the mediumwave “mwoffset” list compiled by Günter Lorenz, available at <http://www.myradiobase.de/mediumwave/>. The zipped software package is shipped with an outdated mwoffset list and thus has to be updated before use.

Other useful lists covering the shortwave bands which can be imported are the Eibi list and Nagoya list. The lists can be displayed in two modes. By clicking *Show Chan* displays stations only for the current channel within a range of +/-500 Hz and *Show List* displays all entries matching the current time and weekday (EIBI: time only).

Frequency Tracking

The list follows the frequency the radio is tuned to. In List mode, the list scrolls along when tuning the radio, the current frequency is shown in the center. Right-Click an entry will set the radio to that frequency.

Toggle Frequency <=>

<=> allows fast switching between two frequencies, i.e. to compare if two frequencies carry the same program.

Logbook

You can compile your own logbook easily using the entries in the database. *Ctrl-Right-Click* copies the selected entry into the log book. *Ctrl-Shift-Right-Click* same as above but additionally prompts for a comment. *Edit / Edit Logs* (Ctrl-L) lets you edit/sort or reduce the range of entries and then export it to HTML/Excel/Text file or into the clipboard for easy pasting into emails.

Watchlist

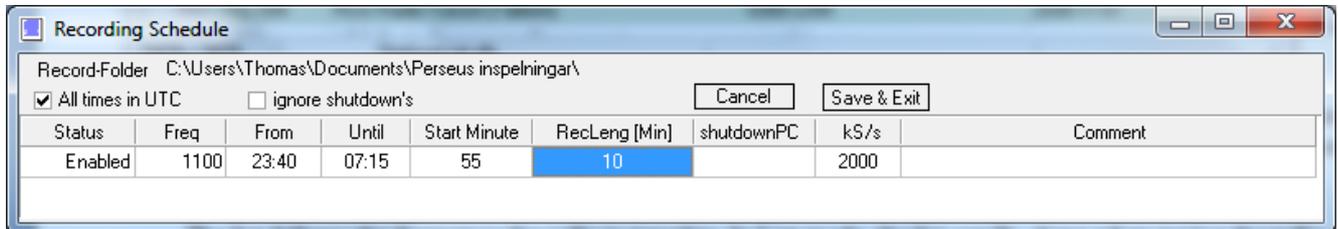
Allows you to compile a list of frequencies that you want to check often over a period of time.

Example: Search for channels that show TA carriers at early afternoon. Those channels you intend to check again the next days again. Alt-Right-Click adds that entry into the Watchlist

File / Watchlist / ... allows to use/save one of several Watchlists, i.e. one for morning one for afternoons.

Recording Schedule

Define schedules for automatic recordings.



This is a typical entry for recording from xx:40 to xx:15 between 23:40 - 07:15:

From= 23:40 Until= 07:15 Start-Minute= 55 RecLength= 10

Send PC asleep and let it wake up on the next recording

Click on File / Shutdown PC & set up timer for next wake-up to send the PC asleep immediately. It will wake up on the next scheduled recording. This option is only available if the recording schedule is enabled.

SpectrumLab *Perseus updates SpectrumLab*

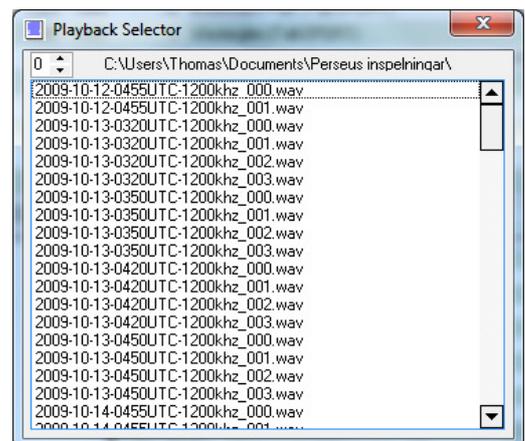
Changing Perseus frequency will let StationList follow. At the same time this new frequency value will be forwarded to SpectrumLab, resulting in a change of its frequency axis. To see spectrum & waterfall in SpectrumLab, Perseus has to be switched to DRM mode. Perseus does not allow listening and displaying at the same time, but Winradio can. Resolution is about 0.2 Hz.

Playback Selector

Edit / Playback Selector Lists all WAVs in the folder that is defined in Recording Schedule. Double-click an entry and Perseus plays it. The current frequency remains unchanged. This allows for the current frequency to click through all files and search for the one with the best audio.

I did that with KNX-1070 and picked out the file with the clearest ID. The current folder is shown at the top, click on it to select another one. Entries can be renamed.

The small spin control at the top left controls Perseus playback trackbar. Inc/Dec or using the mouse wheel or the right/left keys move the position in the trackbar in selected steps. The entire trackbar is divided into n steps (default 10), and has nothing to do with real seconds. Doubleclick on the spin control to define a different number of steps for finer resolution.



You can now "fly" over a recording to see if a signal gets better.

Selecting a new WAV-file will now start playing at the current step position, allowing to start playing back pretty near a xx:00 spot, very handy when chasing IDs.

Advantage: No more obnoxious beeps when 'mis'-clicking while getting fast & easy keyboard operation. The current trackbar position is not reported back from Perseus, so the spin control does not change while playing. The basic functions are now available via the keyboard, saving you many unnecessary mouse clicks.

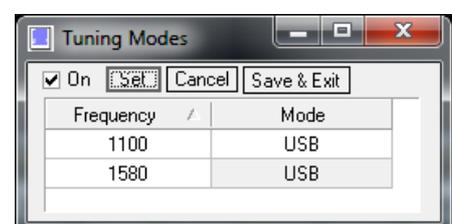
Log-DateTime tracking

The currently playing WAV-file defines the date and time in the log-window, if you log a station its reception time will thus be set to the time you finished recording that wav-file. Not precise but still pretty close. To have it in UTC you need to check UTC in the log window.

Tuning Modes

Edit/Edit Tuning Modes automatically sets the demodulator to LSB/USB etc while you tune. Useful for MW TA-DX where you need to select USB/LSB depending what fits best per channel. I dislike to use program memories for it and prefer a background task doing that for me while I tune as usual.

Setup tuning modes: Tune Perseus or Winradio to a frequency, set it to USB/LSB/AM etc. and then click on Set. Check On to get it working.



Tuning modes only sets the radio that caused the frequency change. So I can tune WR and WR is changed to LSB/USB while Perseus stays unaffected and vice versa.

For the material above I have copied selected parts from the StationList Help-file which was created & edited by Willi Passmann & Jürgen Bartels.

A few personal notes. This software is easy to set up but one problem occurred, for some reason the help file could only be extracted by WinRar. WinZip and Win7 produced an unreadable file.

It was easy to update the mwoffset list with its new file.

The tracking function between the database and Perseus is very handy. The playback selector is also nice giving opportunity to use the keyboard instead of fiddling with the mouse.

It is also handy to open the files directly from the playback selector being able to stay put on the same frequency. Note that Perseus must be set to WAV otherwise starting a file from the playback selector is not possible.

Toggle between two frequencies of interest is also a nice function, allowing for fast checks of parallel transmitters.

All you Perseus users should download this software and give it a try.

It is also possible to use the script below, PerseusKeyboard.ahk which needs the AutoHotkey freeware to be installed.

AutoHotkey unleashes the full potential of your keyboard, joystick, and mouse. For example, in addition to the typical Control, Alt, and Shift modifiers, you can use the Windows key and the Capslock key as modifiers. In fact, you can make any key or mouse button act as a modifier.

/Thomas Nilsson

Preliminary PerseusKeyboard.ahk script with PLAYBACK supporting feat

The attached Autohotkey script includes an approach to step through a WAV file without using the mouse, thus also avoiding some issues with the playback bar. Before making a release version of it and because it might help you too, I wanted to ask the interested ones of you to support me in testing the script, because there might be some issues I haven't thought of. I have tested it here with Perseus Software v2.1i.

The script provides the following features:

1. Jump forwards through the WAV file
2. Jump backwards through the WAV file
3. Your default jump step and WAV file length are parameterizable in the script
4. Jump step and WAV file are also parameterizable by means of a user dialog during normal PERSEUS operation (the settings are of course lost after a restart)

The WAV file length (in minutes and seconds) has to be entered manually, because there is no way to determine it automatically. There is also no way to determine the current playback position.

If you want to give the script a try, then I would suggest to start the PERSEUS software in conjunction with this script, then load a WAV file as usual and then jump through it by using the Tab key. If you want to change the jump step use the Ctrl+Tab key combination to bring up the corresponding user dialog.

See http://groups.yahoo.com/group/perseus_SDR/message/8989

Download script from here: http://xa.yimg.com/kq/groups/21103604/1513075117/name/PerseusKeyboard_2_10_alpha.ahk
(73 de Ferdinand Lenhardt via Perseus YG)

JB's StationList is a front end for the mwlist.txt of precisely measured carrier frequencies. One of its features is easier control of Perseus WAV files. StationList would be overkill for just controlling WAVs, so I think that's why this new Autohotkeys script can be so useful. It adds little or nothing to the resource requirements of your computer, nor takes up any screen real estate.

(73, Guy Atkins Puyallup, WA USA <http://fivebelow.squarespace.com> via Perseus YG)