

SHORTWAVE BULLETIN

Issue no. 1772, May 26, 2013.

Deadline e-mail next issue:

0900 UTC, June 9, 2013.

Så är det dags igen att sätta sig vid datorn för att ställa samman ännu en SWB.

Det har trots allt hörts en del LA på banden, men i stort sett är det samma vecka efter vecka.

Har därför också kollat MV en del. Men med så skrala konds som de senaste dagarna så är det inte nåt att yvas över och de flesta inspelningarna har hamnat ganska så omgående i papperskorpen.

The other day I got a comment from Mauno Ritola regarding the comments about SDR recommendations/advice in SWB 1771.

Mauno says:
Here's what I wrote on ABDX:

Don't forget AFEDRI SDR-Net, which costs less than third of Perseus' price and can also record the whole MW band.

<http://www.afedri-sdr.com/>

I have both online connected to the same antenna, so you can test them.

73, Mauno Ritola,
Joensuu, Finland

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:

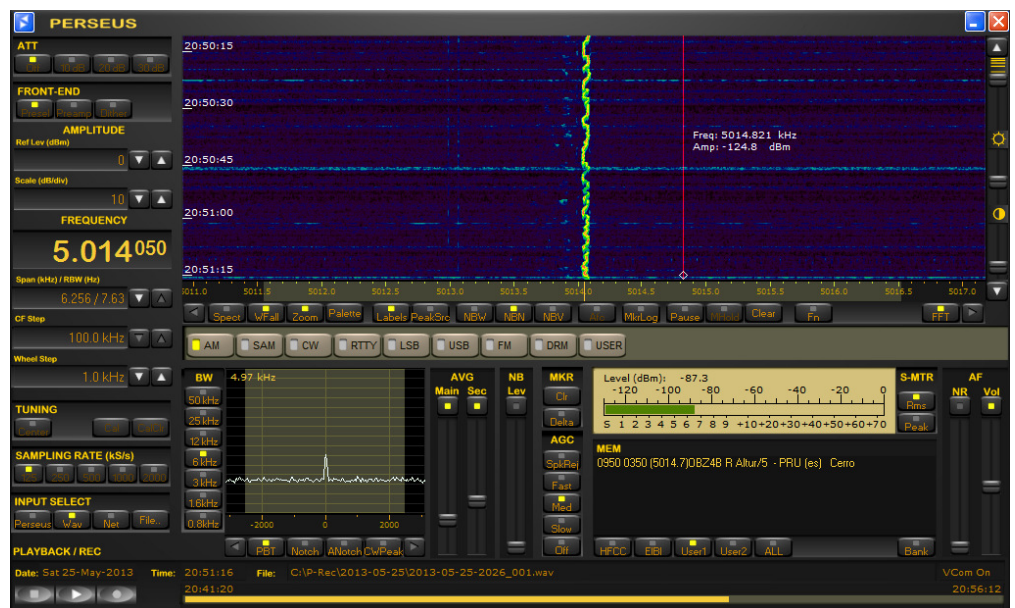
<http://www.thomasn.sverige.net/password.htm>

QSL, kommentarer, mm.

Stig Adolfsson: De senaste dagarnas svåra solstörningar satte väl definitivt punkt för MV-säsongen. Dock har Afrika, som vanligt vid sådana störningar, gynnats. Trots detta har jag bara två stationer att rapportera. Bästa sommarhälsningar från Stig Adolfsson i Vallentuna!!

Thomas Nilsson: Det är nog länge sedan det varit sådan bidragstorka. Bara ett bidrag från Sverige, resten via utbytesex.

Stig, tack för tipsetdu ringde in i går kväll på den nya stationen på 5014.04. Spelade in några timmar från 1830z och fram till cd vid 2105* på lördagskvällen. Mest troligt är det R Madagasikara som har fått fart på sändaren. Den gled från 5014,022 upp till 5014,085 vid cd samtidigt som frekvensen vandrade fram och tillbaka en 20-30 Hz.



Don Jensen has passed away.

En av de välkända amerikanska DX-arna, Don Jensen, dog i veckan. Läs mer om denne aktive man längre fram.

Tyvärr minskar DX-skaran efterhand då väldigt många börjar närma sig en kritisk ålder. Inga nya intresserade dyker upp då andra medier helt tagit över. Vem orkar sitta idag och lyssna på svaga signaler i bruset? Hade det inte varit för att det nån gång då och då dyker upp nåt oväntat, som nu på 5014, så hade nog inte KV-lyssnandet varit intressant. /TN

2325	May23	2040	VL8T with decent audio at this time. TN
2485	May23	2040	Also VL8K with talk noted this evening. TN
2485	May22	1030	VL8K Katherine NT 1010 too 1030 with music, threshold signal on 22 May. 1030 to 1040 with audio on 18 May (Wilkner)
2850	May18	1017	Korean Central Broadcasting Station 1030 to 1055, om and yl chat on 18 May (Wilkner & XM)
3329,5	May22	1017	Ondas del Huallaga, Huánuco 1017 to 1040 weak in Spanish 22 May (XM & Wilkner)
3344,87	May14	1155	RRI Ternate. Series of short tones and one long tone; into extensive coverage of a Qur'an reading competition (Tilawah Al-Quran); still going with reciting from the Qur'an at 1314; also heard by Timm Breyel in Malaysia and DXers in Japan. If RRI Ternate continues to broadcast (as they have on May 13 & 14), it might be worthwhile to check for their former programming in English. In the past I have heard programs dealing a lot with the "Bali(?) International English Club" (BIEC). The primary announcer heard several years ago was an official with the BIEC, as well as being the Secretary of the English Department of "UMMU" (University of Muhammadiyah in North Maluku, a.k.a. Universitas Muhammadiyah Maluku Utara). Have no idea if this program is still on the air or when it might be broadcast. In the past it was on Thursdays from 1300 to 1400, but then it was changed to Sundays. MP3 audio of a past show posted at https://www.box.com/shared/mkuhyypd8b (Ron Howard, Asilomar State Beach, CA, USA)
3344,87	May21		RRI Ternate. As of May 21 they continue silent since their May 16 broadcast. Only reactivated for 4 days! Seemed to have just came back on for some special programming (Qur'an reading competition [Tilawah Al-Quran], etc.). (Ron Howard, Asilomar State Beach, CA, USA)
3375,1	May18	0940	Radio Municipal São Gabriel da Cachoeira 0940 "...Bom Dia "by om at tune in then into music off and on to 0940, fair to good signal on 13 May. noted at 0000 to 0025 with locutor em português weaker signal on 18 May. (Wilkner)
4055	May25	1030	Radio Verdad 1030 to 1035 om in indigenous language- local signal strength. (Wilkner)
4699,955	May26	0056	R San Miguel with weak signal and mx. TN
4716,695	May26	0100	R Yatun Ayllu Yura with mx and ID. TN
4747,072	May25	-2300*	R Huanta 2000 with sign off procedure starting at 2356 and finishing with march mx and an abrupt sign off in the middle of the music. TN
4749,96	May21	1240	RRI Makassar, 1240, May 21 (Tuesday). Another weekly "information" segment in English; mentioned "listeners of RRI Makassar"; this week played some indigenous music; varying reception depending on amount of CNR1 and BB QRM; this is frustrating, as half an hour later reception was better. (Ron Howard, Asilomar State Beach, CA, USA)
4754,882	May18	2201	Tent R Imaculada Conceicao with weak signal. TN
4774,992	May18	2155	Tent R dif de Congonhas alone here. Checking the frequency again at 2256 R Tarma on 4774,987 is the strongest signal. TN
4784,992	May26	0109	R Caiari not as strong as the signals Around from Peru and Ecuador. TN
4789,883	May26	0100	Tent. R Vision with very low audio. Weak TN
4795,8	May22	1010	Radio Lipez, Uyuni 1010 to 1040 in Spanish and language?, weak on 22 May. Seems off on Saturdays same time (Wilkner & XM)
4810	May18	1020	Radio Logos, Chazuta, Tarapoto 1020 to 1100 with time check off by two minutes, enjoyable Peru music, good signal 18 May (Wilkner & XM)
4826,5	May25	1030	Radio Sicuani, Sicuani, Cusco 1030 to 1040 with chat en espanol (Wilkner & XM)
4826,616	May26	0100	Ten.t R Sicuani. I have checked this frequency often and it is almost impossible to get any audio from this station despite a decent signal. TN
4835	May25	1158	ABC Alice Springs NT, 1158, May 25 with live coverage of the Richmond Tigers vs Essendon Bombers AFL matchup; // with RA on 5995, 6080, 6140 (via Singapore), 6150, 9580 and 12065; RA cut away for ID and news at ToH and after that back to live coverage; ABC continued with coverage at ToH; game ended at 1217. (Ron Howard, Asilomar State Beach, CA, USA)
4835	May23	2040	VL8A noted here with good strength. TN
4835	May25	0057	Can't capture any signal from Quillabamba, despite open-carrier, dead air for a minute from 4840 WWCR (Glenn Hauser, OK)
4835,031	May 26	0056	A definite ID as "R Ondas del Sur " noted here. HC mx. TN
4865,028	May 19	0056	R Verdes Florestas starts their transmission on 4865,010 and then drifting upwards to a final 4865,028. TN

4869,92v	May25	1203	RRI Wamena. Per Atsunori Ishida, this has only been on the air this month, before today, on the 4th and 19th. Heard May 25 with a lot of monitoring between 1203 and 1333. Did not carry the Jakarta news relay; instead had a non-stop special music program; two jovial OM chatting and playing what seemed like just the songs of one particular singer till 1312 when they interviewed YL and played some of her songs. Audio had slight echo effect as if in an auditorium? Mostly fair, but with QRN. Slight drift in frequency (Ron Howard, Asilomar State Beach, CA, Etón E1, dxldyg via DX LISTENING DIGEST)
4939,977	May26	-0056*	R San Antonio with sign off. Weaker signal than usual. TN
4949,751	May25	2100	Luanda, Angola nu med bra modulation. Prat PP. 3+ SA
5014,04v	May23	1850	OID men håller en slant på Madagascar . Stängde 1901 efter 4 sek annonsering. Synnerligen instabil bärvåg med hastiga språng på upp till 20 Hz, upp och ner. Även hörd 25/5 med bättre styrka och vad jag tror var ett fotbollsreferat. Besvärande åskQRN dock. 2-3 SA
5014,085	May 25	-2107*	Radio Madagasikara? A tip via telephone from Stig Adolfsson alerting me about a new unidentified weak station with unstable transmitter here. I recorded this station from 1830 until sign off. Most of the time football. I believe some of the px at the end was in FF but difficult to say due to lightning static. The station drifted upwards to about 5014,085 at sign off and had also a very unstable carrier. See picture above. TN
5024,905	May23	2256	R Quillabamba again much stronger than R Rebelde which was dominating half an hour later. TN
5039,22	May25	1020	Radio Libertad de Junín, Junín 1020 to 1050 fade om with time checks and program en espanol 25 May (Wilkner)
5952,40v	May22	-0231*	Radio Pio Doce, 0231*, May 22. Distinctive whistling “Colonel Bogey March” (commonly known as the River Kwai March) along with ID followed by chimes and off; mostly poor (Ron Howard, Asilomar State Beach, CA, USA)
5952,4	May18	1045	Pio XII, Siglo Veinte 1045 to 1055 yl with clear signal no pulsating jamming 18 May (Wilkner)
5980	May25	0055	JBA carrier from R. Chaski vs hash, to cutoff at 0100:49*, 5 seconds later than last night (Glenn Hauser, OK)
5980	May23	2300	R Chaski noted here with good signal and an ID at 2302. TN
6015	May22	0256	ZBC Radio, May 22. Tx on at 0256; audio started *0258 with pop African songs (assume Spice FM intro); 4 + 1 pips; usual program format; above normal reception; drums at 0359 and more pips; clear ID and references to Zanzibar (Ron Howard, Asilomar State Beach, CA, USA)
6020,018	May25	2305	A weak signal noted here with talk. It sounded a bit like a Brazilian with fooball. But I doubt that R Gaucha is on air. On 6020,0 another very weak signal also noted. TN
6035	May25	1243	PBS Yunnan on May 24 with brief check at 1243 in Vietnamese; above average reception. No sign recently of BBS/Bhutan. (Ron Howard, Asilomar State Beach, CA, USA)
6055	May23	2030	R Rwanda with very good signal at this time. Very enjoyable music px. TN
6059,79	May25	2256	Super Radio Deus e Amor //6120 with something sounding like football but must be a religious preacher. Weak but 6120 very strong. TN
6060	May24	1301	Sichuan PBS-2. Continuing with ToH IDs: “Nationality Channel. This is the People’s Radio Station. SW 6060, 7225, FM 88.1”; fair. (Ron Howard, Asilomar State Beach, CA, USA)
6090	May22	0309	Amhara State Radio, 0309-0320. As Martien Groot (Netherlands) has already posted to dxldyg, the Caribbean Beacon (University Network) via Anguilla was having tx problems and didn’t start till *0320 (checked again at 0352 and found them going on and off – still having trouble); mostly HOA music. Very nice to find in the clear! (Ron Howard, Asilomar State Beach, CA, USA)
6100	May15	1222	Poor signal in Russian, immediately IDed as CRI by // much better 11935 (Mezhdunarodnoye Radio Kitaya). A reporter in Wisconsin to NASWA Flashsheet has twice claimed to hear “Radio Kyzyl” [Tannu Tuva] on 6100 signing on at 1200 in Chinese and Russian, listed as 5 kW. First he has to explain why he is NOT hearing CRI Russian which happens to be 500 kW aimed USward at 55 degrees on that same frequency at that time. To confuse matters further, DX Re Mix recently listed this 6100 as Krasnoyarsk, 5 kW at 10-13 in Russian (Glenn Hauser, OK)
6104,69	May16	2154	R Cultura Filadelfia wandering about. Both May 12 and 16 noted this low. On May 18 back on 6105,075. TN
6105,499	May18	-2205*	R Panamericana noted wit ID 2203 just before sign off. Weak signal.
6134,825	May 19	0103	R Santa Cruz with a super strong signal. Good ID noted. TN
6135,114	May 21	0057	Tent R Aparecida here with a carrier. Not easy to hear anything due to a super stron R Sta Cruz. TN
6154,931	May19	0101	Radio Fides with a nice ID at 0101. TN

6164,962	May23	2030	R Tchad also strong here. TN
6185	May24	1322	China Huayi BC, quick check at 1322 on May 24 with start of a phone conversation; the Chinese answer the phone with "Ni Hao" - pronounced: Nee HaOW. (Ron Howard, Asilomar State Beach, CA, USA)
7120	May22	0345	Radio Hargaysa. May 22 at 0345; back on the air again at this time, after having been off for a while (about 2 weeks?). IS (?), possibly I just missed their sign on? Into assume Somali; poor (Ron Howard, Asilomar State Beach, CA, USA)
7325	May25	1149*	CRI. They are back again! May 25 heard with strong signal at 1149; so no longer any possibility of hearing Wantok Radio Light (PNG) during CRI scheduled 1000 to 1257 broadcast. Was great fun while it lasted! (Ron Howard, Asilomar State Beach, CA, Etón E1, dxldyg via DX LISTENING DIGEST)
8137u	May20	1155	Dominican Republic 1155 -1158 Sailing Vessel with weather condition check 20 May (Wilkner)
8137u	May20	1200	Bermuda 1200 Sailing vessel with position and check on weather 20 May (Wilkner)
8828u	May25	1045	Hong Kong - Cape d'Aguilar- 1045 to 1050 weather information 25 May (Wilkner)
9410	May24	1210	CNR5, May 24 continues to be off the air, as also noted yesterday (down for maintenance?); 1210 and subsequent checking, but today did not have any reception of Fu Hsing BS (Taiwan), which is clearly broadcasting erratically - not on every day. (Ron Howard, Asilomar State Beach, CA, USA)
9525,9	May14	1318	Voice of Indonesia, 1318, May 14 (Tuesday) with "Exotic Indonesia"; "Commentary", "Today in History" and "Focus"; segment about Banjarmasin. Poorer reception than recently heard; QRM from white noise? (Ron Howard, Asilomar State Beach, CA, USA)
9525,9		1303	Voice of Indonesia. 1303 open carrier; *1306* said a few words; audio really started a few seconds before 1319; "Exotic Indonesia" with "Commentary", "Today in History" and "Focus". Frustrating listening to a segment about Banjarmasin, as the background music was annoyingly too strong; self jamming of the announcer. https://www.box.com/s/9etr1tff3e0eccq6xk5rl contains MP3 audio (Ron Howard, Asilomar State Beach, CA, USA)
9745,00	May21	1353	Voice of Han, random listening from 1353 to 1442, May 21. Mostly phone conversations and EZL music; 1400 no pips; fair.
9774	May21	1219	Fu Hsing BS, with quick check at 1219, May 21 to hear Celine Dion with "My Heart Will Go On". (Ron Howard, Asilomar State Beach, CA, USA)
9800	May24	1221	Lushan Emergency Radio // 12000. Seems they have ended their special post-earthquake broadcasting; not on the air at all at 1221 through subsequent checking on May 24 (Ron Howard, Asilomar State Beach, CA, USA)
11500	May21	1205	Sound of Hope. News in Chinese; unique musical bridges between items; 1211 spelled out with letters in English: "w-w-w-s-o-u-n-d-o-f-h-o-p-e-o-r-g" and followed by "Sound of Hope"; no CNR1jamming present. MP3 audio https://www.box.com/s/a26qnmynkw3mgfyur8os with muffled audio (Ron Howard, Asilomar State Beach, CA, USA)
11665	May25	1321	RA with "Saturday Night Country" in English with C&W songs; mixing with Wai FM (Malaysia); pre-empted their normal Chinese service; // with other RA frequencies (6150, etc.) (Ron Howard, Asilomar State Beach, CA, Etón E1, dxldyg via DX LISTENING DIGEST)
11710,75	May22	0404	RAEconfirming they do indeed now have programming in Chinese (Ron Howard, Asilomar State Beach, CA, USA)
15110	May22	*0410-	Tatarstan Wave (now via Novosibirsk-Oyash, in central Russia?). *0410, May 22. Reception very noticeably poorer than when I last heard them on May 10; propagation seemed normal. Samara site really closed? (Ron Howard, Asilomar State Beach, CA, USA)
15476,0	May13	1825	Monday on the Twente SDR, I can detect a carrier here on offset LSB setting (but in CW tuning it zeroes circa 15475.5 --- must be deliberately offset in the receiver). Anyhow, presumed LRA36 back on the air after weekend break. Dave Hughes in Missouri also reported it a few minutes earlier, presumably by same method. I've yet to see any direct logs of it this date, even from S America; still not clear whether schedule is M-F 18-21 or 18-22 UT, or if it varies (Glenn Hauser, OK)
15476,0	May15	2015	Tentative LRA36. A weak carrier was also noted here in Ängelholm There was a break in the transmission between 2025 to 2048. Almost no audio detectable. TN

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

Station news

ANDAMAN & NICOBAR ISLANDS. AIR Port Blair SW transmitter break down. For the last few days AIR Port Blair is not heard on SW. When I contacted the station, they confirmed that their SW transmitter is under break down and that they are trying to get it back on air.

The SW schedule of AIR Port Blair is (10 kW): 4760, 2355-0300 1030-/1700/1730. 7390, 0315-0400 (Sat 0415, Sun 0500), 0700-0931(Sun 1000)

Interestingly, 4760 used by both Leh (now on 4660) and Port Blair is now empty. Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, May 20, dx_india yg WORLD OF RADIO 1670, DXLD)

AIR Port Blair noted back on air last night at around 1630 UT on 4760 after being off air for a few days. Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Hyderabad, India, May 22, dx_india yg via DXLD)
Unfortunately this update arrived too late to include on WOR 1670's very first item (gh, DXLD)

COLOMBIA. 14960, the single log of **Salem Stereo** from the UK in April has yet to be confirmed by any other reports of it, and never anything heard here at random chex. I might ask the pastor-in-charge but he never replied to my inquiry when it disappeared last September; busted? (Glenn Hauser, May 23, DX LISTENING DIGEST)

PAPUA. A reminder to everyone that this is the last week to **catch Wantok Radio Light** without CRI interference between 1000 to 1257. CRI scheduled to start up again May 26 (Sunday). Weekdays they normally play religious songs from about 1205 till start of "Back to The Bible" about 1230 or so. They do indeed often ID about 1220. (Ron Howard via DXLD)

Other radio news

CHASQUI DX PFA – MAYO 2013

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:

3310.00 BOLIVIA, R. Mosoj Chaski, Cochabamba, 5/05 0937-1005 4444 px religioso en quechua mx religiosa ID "Mosoj Chasqui Radio", Slogan en español en quechua y dan la frecuencia en español, escuchar grabación adjunta.



3310.00 Mosoj Chasqui sign PFA 2013 May 5.mp3

4716.70 BOLIVIA, R. Yatun Ayllu, Santiago de Quijaro, 13/05 2345-0035 33333 tocan mx juvenil en forma continua advs más vale prevenir sobre el VH sida ID "Yatun Ayllu" lo dan mientras tocan la pieza musical, lo lanzan como un flash

4789.87 PERÚ, R. Visión, Chiclayo, 11/07 1050-1130 33333 px Iglesia Pentecostal la Cosecha advs asista a nuestra Iglesia ID" Son las 6 de la mañana con 10 minutos, desde Chiclayo, departamento de Lambayeque, trasmite la cadena Radio Visión, frecuencia 1350 y 770 de la Amplitud modulada, traspasando fronteras a través de los 4790 en la banda internacional, enlazados con Radio Moderna en Lima, capital del Perú en los 930 amplitud modulada, escuchemos en tiempo real en [www. visión radioperu.com](http://www.visiónradioperu.com) px La Voz de la Salvación



4789.87 R. Visión, sign PFA 2013, May 11.mp3

4845.00 BRASIL, R. Cultural Onda Tropicais, Manaus, 18/05 0035-0105 33333 mx varias ID "Justo a tiempo, Radio Cultural de Amazonas en los 4845kHz onda tropical, Manaus, Amazonas..... (Escuchar grabación). A las 0057 se para la señal, hay en zumbido de salida pero no transmiten nada s/off aparentemente a las 0100, corto señal.



4845 Cultural ondas tropicais sign 2013, May 18.mp3

4865.00 BRASIL, R. Verde Floresta, Acre, 18/5 0940-1030 33333++ mx ID "Radio Verde Floresta..., (escuchar grabación) después mx y px religioso



4865 Verde Floresta sign PFA 2013, May 18.mp3

4939.98 PERU, R. San Antonio, Atalaya, 13/05 0040-0140 44444 px religioso advs luego tocan en forma continua mx variada con temas religiosos y entre canción y canción dan la hora, mas no dan ID advs Concurso de moto cross en Atalaya en nuestro feliz aniversario, municipalidad de Atalaya px Iglesia Peregrina NOTA: después de tiempo esta estación la copio con tan buena señal y la confirmo por el advs que dan sobre Atalaya

5039.20 PERÚ, R. LIBERTAD, Junín, 5/05 1040-1105 44444++ mx tropical andina ID "radio Libertad de Junín informa la hora, son las 6 de la mañana imputo" Slogan "Radio Libertad de Junín, la emisora que usted prefiere porque tiene lo que a usted le gusta"



5039.20 R. Libertad sign PFA 2013 May 5.mp3

5909.92 COLOMBIA, Alcavarán Radio, Puertolleras, 10/05 0554-0620 33333+ mx ID "Origina su señal, Alcavarán Radio, 1530 AM HKB82 y en onda corta 5910kHz, en banda internacional de 49 metros, una estación de interés público, progreso y bienestar social para el municipio de Puerto Lleras Meta, Colombia...Alcavarán Radio..."



5909.92 Alcavarán Radio sign PFA 2013, May 10.mp3



6010.00 COLOMBIA, La Voz de tu Conciencia, Bogotá, 6/05 0730-0752 44444 px religioso mx varias ID "En la Voz de Conciencia, estamos para cambiar el mundo.." mx f joropo ID "La Voz de tu Conciencia, 6010 en la onda corta y Alcavarán Radio 1530 AM, por la paz de Colombia y el Mundo... hacemos una radio diferente"

6050.00 ECUADOR, R. HCJB, Quito, 9/05 1020-1040 44444+ mx religiosa px religioso en quechua, dan la señal horaria en español.. 5 de la mañana con 24 minutos en Quito Ecuador ID "Quito, Ecuador banda radio HCBJ" ... en quechua y español, escuchar grabación adjunta.



6050.00 HCJB sign PFA 2013, May 9.mp3

6105.50 BOLIVIA, R. Panamericana, La Paz, 13/05 1132-1210 44444+ ID "7 y 40 minutos en su radio Panamericana" px noticiero ID "Panamericana presenta las noticias CNN (en cadena con CNN), mejor escucho en USB px Por Panamericana de la Paz usted escucho la noticias de la hora por CNN advs no a la piratería compre CD originales, la nueva lavadora Samsung news paro en Tarija, corresponsal de Panamericana en Tarija.

9674.80 PERÚ, Pacifico radio, Lima, 17/05 1820-1850 33333 ID "Por Pacifico Radio" px Bíblico No duermas con el enemigo, la ira, la violencia familiar va en aumento advs Cartílago de tiburón y Maca... los mejores productos naturales.

11780.00 BRASIL, R. Nacional da Amazonia, Brasilia, 15/05 2040-2115 44444 px News (notícias) mx ID "relatórios nacionais" mx ID "National informa a empresa de comunicação no Brasil" Papa Francisco estará no Brasil no mês de julho "Radio empresa de comunicação Nacional Amazonia Brasil" ID x ID "Radio Nacional dá Amazonia, cobrindo dois terços do país, trazendo alegria, música, informação e prestação de serviços, a Rádio Nacional da Amazonia uma contribuição". Gravação Listen



11780 Nac da Amazonia sign PFA 2013, May 15.mp3

La recepción la he efectuado del 5/05 al 20/05 en compañía de mi sabueso Icom IC R72 acompañado del Mizuho KX-3, una antena de hilo largo de 12 metros y una antena loop.

Muchos 128's PFA

Rolf Larsson artikel om beräkning av antennttransformatorer i förra numret:

Tyvärr så missade jag andra halvan av Rolf Larssons artikel om beräkning av antennttransformatorer. Den delen som missades var den viktiga biten som visar beräkningsgången.

Sorry Rolf för missen, men här kommer ditt eminenta underlag igen:

Beräkning av antenntransformatorer

Följande matematiska samband används för beräkning av antenntransformatorer, ex.vis för transformatorer till beverageantenn.

En spoles reaktans, växelströmsmotstånd:

$$X_L = 2 * \pi * f * L(1)$$

där X_L är lindningens reaktans i [Ω] [Ohm].
 f är frekvensen i [Hz]. 1kHz=10³ Hz=1000 Hz. 1MHz=10⁶ Hz=10³ kHz =1000.000 Hz.
 L är lindningens induktans i [H].

$$1\mu\text{H}=\frac{1}{1000.000}\text{H} = 10^{-6} \text{ H} \quad 1\text{nH}=\frac{1}{1000.000.000}\text{H}= 10^{-9} \text{ H}$$

En toroidlindnings induktans:

$$L = n^2 * A_L(2) \rightarrow n = \sqrt{\frac{L}{A_L}}(3)$$

där n är varvtalet
 L är lindningens induktans i [H]. 1 μ H=10⁻⁶ H. 1nH=10⁻⁹ H.
 A_L är toroidkärnans A_L -värde i nH/n².

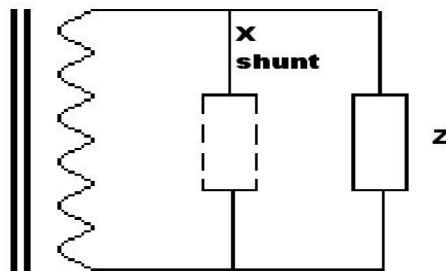
Sambandet mellan impedansomsättning och varvtal i en transformator:

$$\frac{Z_2}{Z_1} = \frac{n_2^2}{n_1^2} (4) \rightarrow n_2 = n_1 * \sqrt{\frac{Z_2}{Z_1}}(5)$$

där Z_1 är impedansen på primärsidan i [Ω] [Ohm].
 Z_2 är impedansen på sekundärsidan i [Ω] [Ohm].
 n_1 är varvtalet på primärlindningen
 n_2 är varvtalet på sekundärlindningen

Beräkningsgång:

Först räknar vi ut erforderligt varvtal för primärlindningen. Detta bestäms av att vi skall ha tillräckligt stor shuntinduktans i lindningen. Vid den nedre gränzfrequensen -3dB dämpas halva effekten bort av shuntinduktansen. Detta svarar emot att shuntinduktansen vid denna frekvens har samma reaktans (växelströmsmotstånd) som den impedans lindningen är ansluten till.



Således: betraktar vi primärlindningen, mottagarsidan där impedansen är 50 Ohm, så skall också lindningens reaktans vara 50 Ohm, vid den lägsta frekvens vi önskar lyssna på. Jag brukar sätta denna till den nedre frekvensen för långvågsbandet, 150 kHz.

Ur ekvation (1) får vi :

$$L = \frac{X_L}{(2*\pi*f)}(6)$$

$X_L=50$ Ohm , $f=150$ kHz

$$L = \frac{50}{(2*\pi*150*10^3)} \approx 53\mu\text{H}$$

Vi skall nu beräkna det varvtal som ger önskad induktans.

Om vi som exempel använder oss av en kärna av fabrikat Amidon typ FT-50B-77, så har den enligt tabell ett A_L -värde på 2160 nH/n².

Ekvation (3) ger:

$$n = \sqrt{\frac{L}{A_L}} = \sqrt{\frac{53 \cdot 10^{-6}}{(2160 \cdot 10^{-9})}} \approx 5 \text{ varv}$$

Därefter behöver vi beräkna varvtalet på sekundärlindningen. En beverageantenn på normal höjd håller en impedans på mellan 400 och 600 Ohm. Jag brukar sätta medelvärde 500 Ohm.

Ekvation (5) ger

$$n_2 = 5 * \sqrt{\frac{500}{50}} \approx 16 \text{ varv}$$

/SM3GUJ, Rolf Larsson

Stort tack Rolf för denna artikel. Hoppas nu alla sätter igång med antennbygge så ni får nytta av denna artikel.
/TN

The Saddest News -- Don Jensen

Dear Friends,

With the heaviest of hearts, I must advise you that our friend and brother DXer, Don Jensen, passed away this afternoon around 4 p.m. from still unconfirmed causes, but apparently a heart attack. His wife, Arlene, just phoned a few minutes ago and the family is beginning to gather in Kenosha.

According to Arlene, Don was working on his computer -- sending emails and working on reception reports, no doubt -- this afternoon. At about 4 p.m. he came out to his living room, to sit or nap in his easy chair, and was gone soon thereafter.

As all of you will know, Don was a giant of our DXing hobby and can never be replaced. We will all greatly miss him -- his wit, opinions and general brilliance!

Will pass along more information as it develops: funeral arrangements, etc.

(Ralph Perry via DXPlorer)

For those of you not familiar with the name Don Jensen, here is a short entry from the NASWA site – history (<http://www.naswa.net/history.html>):

(About The Author–Don Jensen began DXing in 1947, when, at the age of 11, he was introduced to the SW listening hobby by his father, a sometimes “bootleg” ham. He has been associated with NASWA in editorial, administrative and committee activities for some 38 years, longer than any other active member. In 1964, he founded and was first executive secretary of the Association of North American Radio Clubs (ANARC). From 1969 to 1989 he published and edited the Numero Uno DX weekly. He formerly was the editor of Communications World magazine and has been a freelance writer since 1963, his DXing columns last appearing in the former Popular Electronics in 1999. He also has had regular SW features aired on various DX programs around the world. Jensen is a retired newspaperman and lives in Kenosha, WI.)

Don Jensen was one of the DX-ers who got SWB on an exchange basis and our condolences to his family, and to the entire DX community. /Thomas Nilsson on behalf of SWB

Here you can read more about Don Jensen:

<http://www.kenoshanews.com/news/kenosha_historian_author_former_reporter_don_jensen_dies_471651659.html>

(Jerry Berg via DXPlorer)

Dear DX-friends,

We certainly have lost a great DX-er and friend in Don Jensen.

His grandparents emigrated from Denmark to Wisconsin. As a young DX-er he already joined the Danish SW Club International in May 1962. In 2009 he visited Denmark with his son and they saw all his grandparents sites.

I have been in regular contact with him and will certainly miss him.

My sincere condolences from Denmark to his wife and family. RIP.

(Anker Petersen, Chairman DSWCI via DXPlorer)