

# SHORTWAVE BULLETIN

Issue no. 1739, Feb 19, 2012.

Deadline e-mail next issue: 0900 SNT, March 4, 2012.

En hel del bidrag har letat sig fram till Ängelholm denna söndagsmorgon. Igår regnade det som bara den ovanpå tjälen och allt flöt omkring. Det är nästan trevligare med snö än sådana mängder med regn.

En del teknik blir det även i detta nummer. En del teknik kan verka svårt, men att linda baluner är lätt som en plätt. Däremot kan det vara svårare att välja bland utbudet av kärnor.

AN har testat den mest populära typen. Läs längre fram om hans erfarenheter. Den balunen är lika bra till bävvar som Flags.

AHK frågade i morse på NORDX om vi var av med en DX-are apropå den man som suttit fast i snön utanför Sävar.

Det visade sig så småningom att han hade bunkrat upp med förnödenheter. Men han saknade det mest fundamentala - en bäver att följa för att hitta hem.

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](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>  
Solar cycle progression: <http://www.swpc.noaa.gov/SolarCycle/>

## QSL, kommentarer, mm.

**Lars Skoglund: All India Radio Kurseong 4895** svarade med kort från New Delhi och **Radio Fly 5960** sände brev och snyggt kort.

**Hans Östnell:** Har för en gångs skull denna vintern rattat runt lite grann på KV-bandet häruppe. Det var riktigt kul, minsann, även om orsaken till det hela har varit de obefintliga konditionerna på MW i slutet av januari och början av februari.

Kallt och blåsigt har det minsann också varit. Första veckan i februari hade vi -17 grader i Vardø. Inte så kallt, kanske de flesta tycker, men om man kombinerar den temperaturen med vindstyrkor mellan 25-28 m/s så får man en total köldeffekt på runt -50 grader - och då blir det kallt. Riktigt kallt! Vattenledningen till huset frös inte mindre än 4 gånger inom loppet av sex dagar och det är ett ansevärt antal timmar som jag tillbringat i krypkällaren tillsammans med en 1600W varmluftspistol. Skoj.

Hursomhelst, konditionerna på KV har varit ganska varierade under de tillfällen som jag lyssnat (5-8/2), men tämligen festliga. Ena dagen Asien med kanonstyrkor. Andra dagen Afrika med kanonstyrkor och tredje dagen bägge delar. En del riktigt trevliga KV-hörigheter hamnade i loggen under dessa dagar. Dock har Vanuatu, The Cross och SIBC lyst med sin frånvaro hos mig, tyvärr.

MW vid denna period, då? Jodå. Iran, Iran och åter Iran. Mer om det i MV-E på måndag. På MW har NA lyst med sin totala frånvaro sedan mitten av januari. Hur det har varit senaste veckan har jag ingen som helst aning om, då jag sedan den 9 februari befinner mig i Stavanger på kurs, och inte återvänder till Vardø förrän den 6 mars. Vad som hörs då får tiden utvisa. Samtliga loggningar denna gång har avlyssnats med min trofasta ICF-2010 och två stycken fasade HDLA-loopar. Bägge med en omkrets på 18 meter.

**Björn Fransson: QSL:** Inga alls, men inte att undra på. Då får man vara mer aktiv än jag varit. Tänka sig! I morse (19/2) låg det ett brev i min låda, tillsammans med en ganska så blöt DN-bibba. Det var från VOA och hade tydligen missats av fredagspostens utdelare. Så nu har jag ett QSL att rapportera: **VOA via Edward R. Murrow Transmitting Station-15580** (gamla Greenville, I presume). Snyggt VOA-kort, undertecknat av Chief Engineer.

**Ullmar Qvick:** I am writing in English this time, you will see why. During the last week I have kept my attention towards the World Radio Day, which I consider an excellent idea. But, as one of my friends said, I should have been initiated long ago... Those interested can check the WRD webpage at <http://www.worldradioday.org/> with a slight Spanish bias, since the original idea comes from Spain and that country is the WRD host in the UNESCO project for this year. Also, go to the Facebook section for World Radio Day, where interesting comments and initiatives can be found. In my opinion we have to do our best to promote radio as an international and national medium, all of us whether elite DXers, radio program producers, people interested in media for education, emergency actions, true information and so on and so forth. I do hope DXers will not shut themselves in an ivory tower in this case, it would not only be stupid but truly tragic! We must unite to preserve the radio medium in a critical situation. We can at least try.

**Jerry Johansson: The Cross Radio 4755** svarade med snyggt QSL-kort. Hörd remote med AHKs rx på Dalarö.

**Arne Nilsson:** Jag har länge funderat på att köra min Perseus på ett externt, "analogt" PSU och testade detta i dag. Mätningen gjordes på 2880 kHz, där det var "rent" från signaler (man kan nog göra denna mätning på andra frekvenser också, men jag valde denna).

Perseus var inställd på 3 kHz bandbredd (i secondary display), AGC slow och värdet som S-metern visar noterades.

	<b>Med antenn</b>	<b>Utan antenn</b>
Perseus PSU	-116,9dBm	-118,6dBm
Externt PSU	-118,5dBm	-119,8dBm

Mätningarna gjordes UTAN Common Mode Choke (CMC) för DC-matningen. Det är möjligt att värdena kan förbättras ytterligare om sådan används.

En viss förbättring blev det dock med ett analogt supply! En sådan tillsammans med noggrann filtrering mha CMC på antennkablar och USB kablar kan troligen ge ytterligare förbättringar. Det jag alltså har mätt upp är "noise floor" med olika strömförsörjningar.

Min externa PSU är inköpt hos Kjell & Co och heter PS1502A och kostar strax under 500 SEK, om jag minns rätt.

*(Det är ganska många som bytt till analog nätdel till sina SDR. Alla har likartade erfarenheter. Framförallt betyder detta mycket vid expeditioner där störningarna från nätdelarna lätt fortplantar sig via allt kablage och kan göra svaga stationer ohörbara. Intressant! /TN)*

## Log

(UTC)

2485			<b>VL8K</b> Katherine NT, 1100 to 1120 with audio on 15 February (Wilkner)
3290			<b>Voice of Guyana</b> 0920 - 1000 "Good Morning to you from Guyana" 15 February. Strong 0900 but less strong 0100 (Wilkner)
3329.478			<b>Ondas del Huallaga</b> , Huánuco 1030 fading with OA music, om over music 16 February; 1025 to 1040 om with several ments de Peru y identificación .... Ondas del Huallaga ... 12 February (Wilkner)
3375.1			<b>Radio Municipal</b> São Gabriel da Cachoeira 1000 with music 16 February (Wilkner, XM Cedar Key)
3975	5.2	1427	<b>Azad Kashmir Radio</b> , Muzaffarabad, Pakistan. Urdu-prat, men bra ID 1430. HR
3985	6.2	1420	<b>CNR2 Business Radio</b> med ekonomi(?)prat. HR
3985	6.2	1957	<b>Glas Hrvatska</b> , Kroatien med TS och ID på heltimmen. HR
3990	6.2	1425	<b>Xinjang PBS</b> , Urumqi med Uighur-px. HR
4010	6.2	1428	<b>Kirghiz Radio 1</b> , Bishkek. HR
4409.8			<b>Radio Eco</b> , Reyes 2330 to 0100 on 13 February (Wilkner)
4451.2			<b>Radio Santa Ana</b> , Santa Ana de Yacuma 0100 still noted 16 February. Usually off by 0030 (Wilkner)
4451.20	6.2	2315	<b>R Santa Ana</b> , Santa Ana de Yacuma Spanish talk 25222 AP-DNK
4699.6			<b>Radio San Miguel</b> , Riberalta 1000 strong signal of SWL quality, good music om 14 February and other morning this week (Wilkner, XM Cedar Key)
4716.19			<b>Radio Yura</b> , Yura noted at 1020 and 0100 each day for last week. (Wilkner, XM Cedar Key)
4716.71	5.2	0105	<b>R Yatun Ayllu Yura</b> , Yura Spanish talk 25222 AP-DNK
4747.09	6.2	2320	<b>R Huanta 2000</b> , Huanta Spanish talk 25222 AP-DNK
4750	7.2	1631	<b>Dunamis BC</b> , Kampala. Svagt med "afrostyle" gospelkör och predikan. Fadade bort 1637. HR
4750	8.2	1448	<b>Bangladesh Betar</b> med prat på EE och Bangla. ID 1458 och s/off efter tidssignal 1500. HR
4750,011	18.2	1710	<b>China Hailar</b> the only station here at this time. Low modulation. 2-3 No sign yet of Dunamis.TN
4760	5.2	1702	<b>AIR Port Blair</b> , Andamanerna. Svag med musik. 1729 förbättras signalen och 1731 kan "Akashvani Poit Bläh" avnjutas, vilket naturligtvis uppskattades av undertecknad. Nu vill vi ha Leh i loggen också... HR
4760	6.2	1600	<b>TWR Szaziland</b> , superstark med px på portugisiska till Mocambique. HR
4775.00	6.2	2325	<b>R Tarma</b> , Tarma Spanish talk 25332 AP-DNK
4780	5.2	1513	<b>Radio Djibouti</b> med reggae som avlöstes av koranrecitation. Stark och tidig! HR
4789,865	5.2	0258	<b>R Vision</b> is the station here with religious px. Difficult to get ID when broadcasting the rel. px most of the time. Weak but there most nights. R Vision also has a webstream where you can hear frequent ID's. Reported on 4790,2 in several lists but obviously drifting. ID in their religious px as La Voz de Salvacion. R Atlantidacan be found in several lists but does not exist anymore, or? Back again on Feb 17 after being silent since Feb 5. Still weak. Seems to be drifting downwards, on Feb 18 noted on 4789,84. TN
4810	5.2	1512	<b>AIR Bhopal</b> . HR

4824.49			<b>La Voz de la Selva</b> , Iquitos 1040 sign on with music no announcement 15 February (Wilkner)
4826.31v			<b>Radio Sicuani</b> , Sicuani, Cusco on 1000 to 1100 13,14,15 16 February. Off 2350 to 0100 on 14 February. 1000 nondescript music, time checks by om (Wilkner)
4830	7.2	1355	<b>Mongolian Radio</b> , gick svagt en dryg timme med prat. S/off 1501 efter nationalhymn. HR
4835.00	5.2	0120	<b>AIR Gangtok</b> Nepali talk, Indian song 23332 QRM WWCW 4840 AP-DNK
4835	6.2	1530	<b>AIR Gangtok</b> med TS och EE-nx. HR
4840	5.2	1510	<b>AIR Mumbai</b> med sedvanligt format. AIR består. AIR förändrar sig inte... HR
4870	5.2	1503	<b>Radio Sedayee Kashmir</b> , Delhi, med prat om Pakistan. Antagligen inget prat som var till Pakistans fördel... HR
4877.244			<b>Rdif Roraima</b> , Boa Vista RR noted with distorted signal 2302 to 2330; recheck 0020. 5/6 February (Wilkner)
4877.35			<b>Rdif Roraima</b> , Boa Vista RR 0010 with music 14 February. (Wilkner)
4877.83			<b>Rdif Roraima</b> , Boa Vista 1020 transmitter hum clear audio 15 February (Wilkner)
4880	5.2	1502	<b>AIR Lucknow</b> . En av många indier denna eftermiddag. HR
4895	5.2	1438	<b>AIR Kolkata(?)</b> med prat. HR
4910	8.2	1945	<b>RTV Malagasy</b> nu här med FF och ID 1948. Något hördes här redan kl 1610, kan ha varit AIR Jaipur, men QRG var vid det tillfället svårt störd. HR
4920	5.2	1435	<b>AIR Chennai</b> . "Ragade" i kamp med kinesen. HR
4950	5.2	1410	<b>AIR Srinagar</b> , Kashmir med reklamer. Murrig audio. HR
5010	6.2	1815	<b>RTV Malagasy</b> med fantastisk signal. Här blandades inhemsk pop med internationell RnB och reggae. Kanon-ID på FF 1945. HR
5015	6.2	1455	<b>AIR Delhi</b> med prat som följdes av sitar-musik. HR
5066	7.2	1613	<b>Radio Télé Candip</b> , svag och fladdrig med sång och FF-prat av kvinna. 1629 s/off. HR
5085	12.2	0100	<b>WTWW</b> , Nashville, TN med långlänga intervjuer om radioaktiviteter. Hördes för dåligt för att kunna få ut mer än ett och annat ord. Programmet hette "This is only a test". S 2-3 som bäst och bäst i USB. BEFF
5119.944			<b>Ondas del Suroriente</b> , Quillabamba 2337 om and yl in play or drama 7 February (Wilkner)
5460.1			<b>Radio Bolivar</b> Cd. Bolivar slight drift, energetic om español 2350 -0025 5/6 Feb (Wilkner)
5580.183			<b>Radio San José</b> , San José de Chiquitos with music and om, 2335 to 0020. 5/6 Feb (Wilkner)
5770,019	12.2	1522	<b>Myanmar Defense Forces Br. St.</b> , quite weak with mx. TN
5925	6.2	2348	<b>CNR5 Voice of Zhonghua</b> , Beijing med något som lät som stand-up comedy..! HR
5921.26			<b>Radio Bethel</b> , Arequipa noted at 2326 to 0007 5/6 February (Wilkner)
5985.83	12.2	1230	<b>Myanmar Radio</b> heavily off nominal frequency. Mx. TN
5986	5.2	1304	<b>Myanmar BC</b> med det nationella programmet med prat och stilla vacker musik blandat med inhemsk smörsång. Stundtals bra styrka. HR
5995	6.2	2250	<b>Radio Mali</b> , Bamako. FF och fin vernaculärmusik bjöds den hugade på här. HR
6015	5.2	1402	<b>Xinjiang PBS</b> , jättestark med px på Uighur. //4980 HR
6030	7.2	1600	<b>Radio Oromiya</b> , Geja, Etiopien. ID:ade snyggt före nyhetsläsningen. HR
6055	5.2	1145	<b>Nikkei</b> , inte fullt så stark här som på 9595, men helt utan QRM! Småprat och musik fram till 1300 UTC. HR
6055	8.2	1956	<b>Radio Rwanda</b> , mycket njutbar med clubmusic och speedig DJ på vernacularspråk. HR
6059,944	18.2	0300	<b>UNID</b> quite strong carrier noted here and totally buried by R Habana Cuba. Most likely Super Radio Deus e Amor. TN
6060			<b>Aroma Cafe</b> 1100v sign on received well for last week (Wilkner, XM Cedar Key)
6080,03	18.2	0200	<b>R Daqui</b> several ID's and good strength. TN
6089.97			<b>Unid / Peru, Radio Universal</b> , Cusco, 1045 to 1145 om en espanol with partial ID slogan "kilohertz en ..." .."cuatro cinco siete" . om en espanol most of the time. 16 February. noted several days with similar details include flauta andina on 15 February. (Wilkner, XM Cedar Key) -See Chasqui DX December 2011-
6090	5.2	0907	<b>University Network</b> med svavelosande utfall i en i raden av domedagspredikningar. HR
6095	5.2	0923	<b>The Mighty KBC</b> rekade för produkter i K-PO shop. HR
6115	7.2	1735	<b>Radio Congo</b> , Brazzaville. Bra med highlifemx och FF. Gick nästan hela kvällen. Fint ID 1900. HR
6130	5.2	1350	<b>Xizang PBS</b> med radioteater. Ett lustspel som förde tankarna till Nils Poppe och Fredriksdals frisluststeater i Helsingborg... HR
6130	5.2	1515	<b>Lao Nat. Radio</b> med prat under kinesen. 1529 tar Laos över frekvensen och hörs fint fram till 1543. Någon slags övertid, vilket uppskattades. HR
6150	22.1	0730	<b>Radio 6150</b> med testsändning. Gick ganska skapligt, men inte bra, här på Gotland. BEFF
6160	5.2	0135	<b>R Rossii</b> , Arkhangelsk Russian talk and songs, ID 34333 AP-DNK
6165	6.2	2300	<b>R Nat. Tchadienne</b> , ID:ade prydligt på FF varpå nx på arabiska följde. HR
6173.9			<b>Radio Tawantinsuyo</b> , Cusco 1000 to 1035 with rechecks om talk entire period 3 February, in as late as 1115 on 5 February (Wilkner)
6240	5.2	1117	<b>Family Radio</b> , Taiwan. Predikade på CC-dialekt. HR

6374.4	12.2	1620	<b>Radio Caroline</b> -jingle var säkert en pirat. BEFF
6400	5.2	1119	<b>Pyeongyang BC Stn.</b> underhäll(?) med bombastisk musik. HR
7109,991	12.2	1620	UNID Asian station with mx disturbed by several radio amateurs. Myanmar has been heard here earlier with sign off at 1430*. So what could this be? TN Today Feb 18 I received this message from Ron Howard: <i>FYI - The following confirms you heard Myanmar. Ron - - - posted to dxldyg on Feb 17: Some days back Myanmar was noted on 7110 till 1630 sign off (instead of 1430). Thanking you, Yours sincerely, Jose Jacob, VU2JOS</i> Thank's a lot Ron and Jose for your cooperation on this one. Much appreciated. <b>So definitely Myanmar.</b> TN
7110	5.2	1323	<b>Myanmar BC</b> , Yangoon Program spelade BeeGees och inhemsk pop. HR
7200	5.2	1544	<b>Nat. Radio of Afghanistan</b> spelade 80-talsdisco och pratade om de historiska och kulturella relationerna mellan Afghanistan och Pakistan. Bra signal! HR
7245	7.2	1804	<b>Radio Mauritanie</b> , Nouakchott, gick bra med politiskt prat på FF. 1834 ID på vernacularspråk. HR
9480	12.2	1000*	<b>Radio Atlantic 2000</b> via Germany good with different mx and speech mostly in FF. They will be on again today same time same frequency. UQ
9510	5.2	1033	<b>IRRS</b> med nonstopmusik, bl a skön jazz. ID:ade på heltimmen. HR
9595	5.2	1125	<b>Nikkei</b> spelade "YMCA" med Village People. Ganska bra signal med en del kraft från sidorna. HR
9705	8.2	2100	<b>LV du Sahel</b> , Niger. Ganska risigt med FF-phone-in och vernaculärmusik. Går nog bättre till våren. HR
9765	5.2	1056	<b>R New Zealand Int.</b> förberedde QSY till 19mb. Stark och präktig! HR
9770	12.2	1730	<b>Radio Ashna</b> - VOA to Afghanistan via Germany good but 9975 kHz in parallell via Kuwait poor. News and reports in Pashto. UQ
12055	8.2	1700*	<b>RTI Taiwan via France</b> excellent in English to Africa. Some chitchat not too interesting, but an interview with a surviving witness to the atom bombing of Nagasaki worth listening to ("Time Traveler" program). UQ
15255	12.2	1600*	<b>AWR via Werlachtal G</b> good in English to Asia. "Wave Scan" DX program ' produced by Adrian Peterson and read by Jeff White, WRMI. UQ
15720	5.2	1059	<b>R New Zealand Int.</b> jättestark här också med nyheter på heltimmen. HR
17760	5.2	0815	<b>South African Radio League</b> , Meyerton English talks about radio amateurs 25232 (// 7205 not heard) AP-DNK

## Station news

**BRAZIL:** Since Feb 7, **R. Senado** has quit broadcasting its programming on **5990**. The reason is that the contract of Senado with EBC, which provided a SW transmitter for this, was not renewed. R. Senado broadcast on SW for 12 years and there is no provision for returning, which depends on understandings between the managements of the legislative house and EBC. It's a shame! (gh`s translation) (Célio Romais, <http://blog.romais.jor.br/?p=253> DX LISTENING DIGEST)

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It's all federal government, isn't it? (gh, DXLD)

**CAMEROON. 6005**, 1415 23 Nov, **CRTV** news, regional announcements, English, 32333 (Dzever Ishenge, Benue State, Nigeria, YB-400, Feb World DX Club Contact via DXLD) Long delayed report via P-mail. Since then, our other correspondent in Nigeria was not hearing it (Glenn Hauser)

**CANADA. 6030, Calgary - CFVP relaying CKMX (AM 1060).** During Feb have been hearing this semi-regularly from about 1215 to 1255; mixing with CNR1; C&W songs; clear IDs; "Southern Alberta born and raised. Classic Country AM ten sixty"; rather surprising how well their 100 watts is doing against CNR1's 100,000 watts. Thanks to Harold Sellers for a very nice QSL card! MP3 audio of ID posted at <http://www.box.com/s/5rhr17zrgkpg64y3110d> . Had been checking on possible Myanmar reception; none! (Ron Howard, San Francisco at Ocean Beach, CA, USA)

**CHINA. 4940, Voice of Strait.** The Saturday "Focus on China" show in English was preempted Jan 28 by the Spring Festival Holiday (Lunar New Year), but glad to hear their return on Feb 4 from 1500 to 1530 with news from the past week; China's leading agricultural scientist Yuan Longping was presented with the Mahathir Science Award for his contribution in developing hybrid rice, etc.

**6035, PBS Yunnan**, 1200, Feb 10. Clearest ever ID in English: "This is the Voice of Shangri-La brought to you by Yunnan Radio". MP3 audio <http://www.box.com/s/ia0zsfgr5htk4acf7jg8> . Unusually good propagation! (Ron Howard, San Francisco at Ocean Beach, CA, USA)

**LAOS:** Received long awaited verification letter from **Lao National Radio (LNR)** on 6th February 2012. Logged this station in 2009 annual Dxpediton. Station's foreign language Director, Mr. Inpanh Satchaphansy, at last agreed to issue the letter after 3 years continuous follow ups. They do not have budget to issue QSL cards.  
<http://swopan.blogspot.in/2012/02/verification-letter-from-lao-national.html>  
(Swopan Chakroborty, Kolkata, India via DXLD)

**MALAYSIA. 6050.02, Asyik FM, 1052, Feb 7.** In vernacular with EZL pop songs. So the Voice of Malaysia programming heard here was only on Feb 1, 2 and 3; must have just been for their holiday. Details of Feb 3 reception that Timm Breyel and I both heard at <http://shortwavedxer.blogspot.com/2012/02/voice-of-malaysia.html> and Timm, who lives in Malaysia, of course had better reception; audio clip <http://soundcloud.com/shortwavedxer/vom-programme-summary/s-he3LE> .

**11630, Sarawak FM via RTM, via Kajang, 1149, Feb 10.** Ex: Wai FM; they have again switched programming; in vernacular; // 9835 and both with many IADs (intermittent audio dropouts). Change first noted Feb 8 and subsequent days. The only way to be sure what is on 11630 is to catch an positive ID or hear a clear // (Ron Howard, San Francisco at Ocean Beach, CA, USA)

**MYANMAR:** Feb 8 on **7345**, randomly from 1101 to 1330\*, I did indeed hear a station that seemed to be Myanmar, so presume was the new **Rakhine Broadcasting Station**; the language and indigenous music very similar to that as heard during my many hours of listening to Myanma Radio. The whole time was covered by a strong CNR1 (// 6125). A poor frequency choice! CNR1 too strong for any chance for me to ID, but perhaps others will have better luck.

- 1101 CNR1 strong with an unusable signal underneath; brief periods of singing underneath, but so poor unable to determine the type of music.
- 1125 Somewhat better; slowly improving.
- 1211 Pop songs in vernacular till BoH.
- 1230 Best reception around this time period; went from non-stop pop songs to brief indigenous instrumental music to mark their local ToH.
- 1231-1248 Series of brief pop songs and announcers in vernacular.
- 1305-1330\* Mostly non-stop pop songs; 1329 assume sign off announcement; indigenous instrumental music and off.

Edited MP3 audio <http://www.box.com/s/59q7s06m2jnim2m2s7sg>  
(Ron Howard, San Francisco)

**PAPUA NEW GUINEA. QSL: Radio Fly, Papua Neu Guinea.** Heute traf eine grosse Ueberraschung mit Briefpost ein: Die QSL Karte von Radio Fly aus Papua fuer den seltenen Empfang des Senders im November 2010, damals gehoert um 1830 UT auf 5960 kHz an einer Beverage Antenne. Der Brief wurde im August 2011 geschrieben und im Dezember in Port Moresby aufgegeben. Zu sehen in meinem Blog <http://remotedx.wordpress.com>  
(Christoph Ratzler, Austria, OE2CRM, A-DX Feb 7 via BC-DX Feb 8 via DXLD)

**PAPUA NEW GUINEA. 3385, NBC East New Britain.** This station ends their broadcasting day when a timer automatically turns off the transmitter. For a long time that timer had been set at 1224\*, but now they suddenly go off the air at a new 1237\*; noted on Feb 6, 9 and 10 (Ron Howard, San Francisco at Ocean Beach, CA, USA)

**PERU. 5024.91, Could this be R. Quillabamba,** noted first at 0152? Havana noted here (5025.00) at 0106, but seemingly weaker than normal. Later scan revealed Cuba gone, but Andean flute style music, so measured frequency suggested Peru. Anyone confirm? Havana found back here at 0310 check. 2/8  
(Jim Young, WPC6JY, Wrightwood, CA, NASWA yg via DXLD)

## ***Other radio news***

### **Preliminärt program för ARC/SWB konvent Bergdala Wärdshus 2012**

Vi börjar den 5 maj med välkomstfika 1500!! en punto! så checka gärna in innan!

In- och utcheckning av respektive direkt med receptionen Monica eller Klas Nystrand.

- Bengt Dalhammar berättar och visar bilder från sin resa till St Barthélemy. (c:a 20 min)
- Bengt Ericson berättar och visar bilder från de gamla svenska MV-sändarna och Radio Sweden International.(c:a 15 min)
- Ullmar Quick förväntas rapportera om sin mv-forskning enl uppdrag vid förra konventet

- Före en 1-2-3-rätters köttmiddag 1800 inbjuder HM till "förfriskningar" med fri fotpromenad eller bil shuffel till QTH Johansberg - ca 1800 m. Middag med alla rättigheter och skyldigheter!!
- Bengt Dalhammar kör tävlingen - segrade galant i Halmstad - medtag priser till denna.

Förslag till "övrigt" emotses tacksamt.

"Clip Cluben" - tag med intressanta ljudklipp för uppspelning! - data-högtalare finns (HM). Medtag gärna din närmaste bästis som gäst!!

Se på [www.bergdala.com](http://www.bergdala.com) eller i mv-eko nr 52/11 för närmare studie av lokaliteterna. Se även vår hemsida [www.arcticradioclub.blogspot.com](http://www.arcticradioclub.blogspot.com) Vi kommer att husera i huset Vega med i allt 20 sängplatser (dubbelrum) (kan utökas vid behov) med stort dagrum för våra samkväm. Har någon en "kanon" v v kontakta BE.

I övrigt klubbarnas standardprogrampunkter (årsmöten) enl ordf och sekr planering.

Anmälan kan ske redan till BE och HM - tel och @ enl listan. Stop date blir ca 4 v före konventet. Kolla noga att du är ledig helgen 5-6 maj!!

Hjärtligt välkomna säger vi redan  
(Bengt o Hasse)

## Comparison of software decoders

**Utility DX: SDRs and several software decoders** - introduction & comparison Hallo - in the last weeks I had had the opportunity to try out several software for decoding digital signals, ranging from "free" to beyond 10.000 \$. I couched a comparison into an introduction into utility DXing, showing also some techniques on how to catch short-time transmission by software-defined radio, or SDRs.

This 50-paged multimedial iBook "Utility DXing - A Primer" can be downloaded for free at: <http://bit.ly/zCfvcQ>

There you find also a link to the same book as PDF, readable not only on the iPad but on every PC and Mac, but lacking videos. Up to now, at least one example of these videos had been placed on You Tube: <http://youtu.be/5wunBBuspEA>

The publication is centered around the new Decoder Krypto500, and contains numerous comparisons with other software decoders, using hands-on examples with modes like STANAG4285, GW-FSK/OFDM and PACTOR-I to -III. It has been written also as an example to discuss the future of publishing test reports etc. in an easy-to-follow and transparent manner. The iBook has been written with software "iBooks Author" which easily allows for e.g. integration of multimedia.

Comments & critics are highly welcomed.

(73, Nils DK8OK via Perseus\_SDR)

## WIDEBAND SLOW PULSE SIGNALS ON HF and NOSTRADAMUS

**Sunspot activity is improving** higher frequency reception, especially 21 MHz and above. Around midday there can be up to 10 frequencies occupied, and on 25.0 MHz the Finnish beacon can peak to S6 around noon. CB 27 MHz is more active but there are now a huge number of Russian taxis using the frequencies and either side too, i.e. into the 10 metre amateur band, especially up to 28.4 MHz, and down even to just above 25 MHz too into the 11 metre broadcast band. Not heard DRM or Radio Maria on 11 metres for some months.

The wideband slow pulse signals that I have mentioned before have been off for a number of days recently. The first disappearance was just after Christmas until Jan 2nd when I noticed the signals on the lower frequencies were reduced in level by about 6 dB, the ones on 19 MHz and above were normal level. Again the signals were off from Jan 10th until 18th. I do not know why.

In fact in asking about these strange signals in the last five years I have got very little information and if I were paranoid I would say there is a conspiracy of silence on the subject. Surely some radio amateur with a beam aerial for 21 MHz could get a good idea of the direction from which the signals are originating. As for the technology and the reason for the system I cannot even guess. Transmitting slow (5 to 6 Hz) pulses over a 4 to 8 MHz bandwidth must be difficult enough but how do you get 'intelligence' from them at the far end?

They are not radar signals (like the very powerful 1 MHz wide NOSTRADAMUS or the 20 to 50 kHz wide intermittent radar signals which pop up all over the place at times). One correspondent hinted to me that there is some form of phase/spacing variation between the three wide bands of transmission. Military communications operators are aware of the signals but information is not forthcoming. The mystery continues.

With the rapid closedown of transmitters across the shortwave broadcast bands, I note a lot of weak Asiatic signals lately all day across the 6 and 7 MHz bands. Most seem to be Chinese but I suspect other languages could be Korean, Tibetan and other languages. On a good day I can only find 4 or 5 completely unoccupied channels in each band but you would want to have a good aerial and low noise location to figure that out.

I am amazed with the level of noise now in urban locations – no doubt with all the digital equipment and terrible switched mode supplies. CFLs and chargers for electric bikes are really terrible emitters of noise I notice.

(Des Walsh, Ireland, Making Contact, Feb World DX Club Contact via DXLD)

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The NOSTRADAMUS radar Des mentions is in France. Wikipedia says:  
The French have developed an over the horizon radar called NOSTRADAMUS (stands for New Transhorizon Decametric System Applying Studio Methods) during the 1990s. It entered in service for the French army in 2005, but is still in development. It is based on a star shaped antenna field used for emission and reception (monostatic) able to detect every aircraft at more than one thousand kilometres, in a 360 degree arc. The frequency range used is from 6 to 30 MHz. (Mike Barraclough, via DXLD.)

## The Russian Woodpecker

**The Russian Woodpecker was a notorious Soviet signal that could be heard on the shortwave radio bands worldwide between July 1976 and December 1989. It sounded like a sharp, repetitive tapping noise, at 10 Hz, giving rise to the "Woodpecker" name. The random frequency hops disrupted legitimate broadcast, amateur radio, and utility transmissions and resulted in thousands of complaints by many countries worldwide. The signal was long believed to be that of an over-the-horizon radar (OTH) system. This theory was publicly confirmed after the fall of the Soviet Union, and is now known to be the Duga-3[1] system, part of the Soviet ABM early-warning network. This was something that NATO military intelligence was well aware of all along, having photographed it and giving it the NATO reporting name Steel Yard.**



Interesting information and photos. Read the full story at:

[http://www.thelivingmoon.com/45jack\\_files/03files/Russian Bases Woodpecker Duga \Radar Ukraine.html](http://www.thelivingmoon.com/45jack_files/03files/Russian_Bases_Woodpecker_Duga_Radar_Ukraine.html)

(Link to this article via Jerry Strawman in DXPlorer)

## VIDEO SHOWING INTERFERENCE FROM LED LIGHT BULBS

**Thilo Kootz, DL9KCE, Vice Chairman** of the EMC Working Group in IARU region 1 has posted a video to YouTube under the username DARCHAMRADIO on interference to longwave, shortwave and mediumwave from LED lightbulbs. He has tested some energy saving LED lightbulbs rated at 8 watts, the equivalent of 60 watts on an ordinary lightbulb.

Electronics in the socket of the lamp are used to drive the LED at peak efficiency. Due to this there is an alternating current of high frequencies going in and out of the lightbulb producing electronic interference.

He tested some LED bulbs using a software defined receiver, the PERSEUS, enabling him to look at the effect of each bulb on a 1.6 MHz spectrum. Measurements showed that some light bulbs caused little interference but others would prevent use of the long, medium and shortwave spectrum, even if they were installed in a neighbouring property.

To view the video, go to <http://www.youtube.com/watch?v=o8zMhjXcmoA> or put LED light bulb disturbances in the YouTube search engine.

(Mike Barraclough, Feb World DX Club Contact via DXLD)

## Intresserad av nostalgibilder ?

<http://www.sdx.se/Forbundet/index.php> klicka på [Förbundshistorik](#) längst ner finns länkar till nostalgibilder.

( Alf Persson via NORDX)

## DX Voices of the Past & Present

PS = Pentti Stenman har gjort en trevlig samling av gamla goda IDs etc som man kan lyssna på:

<http://www.penan.net/dx/mp3/> Flera nostalgiska stationer!

(73,Tarmo Kontro via NORDX)

## DSWCI Tropical Bands Monitor 2011

**Those interested in DX-ing on the Tropical Bands** may have a look at this website from the Danish Shortwave Club International at <http://www.dswci.org/tbm> with the complete monitoring view of stations heard broadcasting during 2011.

You have to look for "Click here to download DSWCI Tropical Bands Monitor 2011 for free" .

(Best 73, Anker Petersen)

## Some good recordings from Ken Baird in Scotland

As promised on the following link are a few of Kens receptions from dec 2009 and its not a dx video its just to show some of the signals that his beverage antenna pulls in, see <http://www.youtube.com/watch?v=GrSQjyPdWE&feature=youtu.be>

These are a few recordings from a good mate of mine, Ken Baird, who lives down the street from me but has the room for a couple of beverage antennas for mw and it's not a dx video it's just to show how well the beverage antenna pulls in signals and he gave me an hours worth of perseus files which there is not enough time in a day to listen lol ... the following stations were recorded:

KNX 1070 LOS ANGELES, KRLD 1080 DALLAS, KVNS 1700 TX, WBBM 780 IL, WWKB 1520, CHQR 770 CALGARY

(From <http://band1tvdx.blogspot.com/> )

## Radio Visión, Chiclayo on 4790 kHz

**PROGRAMA OFICIAL DE LA IPC**

**LA VOZ DE SALVACION**

**Un Programa de Amor, Fe y Esperanza**

El programa LA VOZ DE SALVACION es el órgano informativo del Ministerio IGLESIA PENTECOSTAL LA COSECHA.

Donde se transmite las bendiciones que Dios hace en la IGLESIA PENTECOSTAL LA COSECHA como Liberaciones, Milagros, Sanidades, Bendiciones en el hogar y la familia también se transmite la Predicación de la palabra de Dios para salvación de las almas, también se puede escuchar las alabanzas e Himnos de adoración a Dios que hizo los Cielos y la tierra.

El Programa LA VOZ DE SALVACION no es un programa cualquiera, a través del programa muchas personas han tenido tremendas experiencias con Dios, especialmente en la media hora de oración que se transmite por la emisora CADENA RADIO VISION E.I.R.L.

LA VOZ DE SALVACION un programa de Amor, Fe y Esperanza, en Cristo Jesús Señor Nuestro. Escuche el Programa LA VOZ DE SALVACION y anuncie a otros esta bendición de Dios.

(From <http://www.visionradioperu.com/salvacion.php> )

## Viktiga adresser för DX-are - rundradio och amatörradio

[www.wrth.com](http://www.wrth.com) !

<http://www.worldofradio.com/> Världens främsta nyhetssajt för rundradio kortvåg Glenn Hauser

<http://www.hard-core-dx.com> Rundradio kortvåg –aktuell

<http://www.sdx.se/> Sveriges DX-Förbunds hemsida med bl.a logg

<http://www.thomasn.sverige.net/> Shortwave bulletin – aktuella > KV-loggningar, mottagare, antenner

<http://arcticradioclub.blogspot.com/> Topp-dx på mellanvåg

<http://www1.s2.starcat.ne.jp/ndxc/> Aktuella frekvenslistor KV

<http://www.short-wave.info> Snabbhjälp för att hitta rätt station rundradio kortvåg

[www.ndl-dx.se/index](http://www.ndl-dx.se/index) Norrköpings Distanlyssnare

<http://www.emwg.info/> Info om mellanvågsstationer i Europa och Afrika – mycket detaljerad och aktuell

<http://www.radioenthusiasts.blogspot.com/> Mellanvågs-dx på toppnivå

<http://www.eibispace.de/> Aktuella frekvenslistor över alla > kortvågsstationer

[www.esr.se/resonans](http://www.esr.se/resonans) Teknisk information, radiohistoria, inriktning amatörradio

<http://adok.dyndns.org/> QSL-statistik amatörradio

<http://www.ac6v.com/> Länkar till nästan allt – men med amerikansk bias! Rundradio och amatörradio

<http://www.wwdxc.de/topnews.htm>

<http://www.mcdxt.it/LASWLOGS.html> Latinamerika på KV

<http://pudxk.blogspot.com/> Blogg från Finland, men framförallt Länkar till diverse andra Bloggar, inkl. flera av dina

<http://www.solen.info/solar/> Solar Terrestrial Activity Report by Jan Alvestad

<http://www.n3kl.org/sun/noaa.html> Current Solar Data (from NOAA)

[http://www.irf.se/Observatory/?link\[Magnetometers\]=On-line\\_sp\\_access](http://www.irf.se/Observatory/?link[Magnetometers]=On-line_sp_access) Kiruna Magnetometer (Offline just nu)

(Via Ullmar, Mauno Sven Dibbert, FD i NORDX)

## Comparison of Flag antennas in 320 and 240 deg

**A few dxers have asked me** is there really much of a difference between my 320 and 240 deg flag so i have uploaded a video to show the difference on my local BBC Scotland on 810 and you can see there is a wee bit difference and at my location its the difference of getting USA/Latins or not getting them. you can see the video on the following link 320 & 240 deg flags. <http://www.youtube.com/watch?v=-RoLeLCfrI&feature=youtu.be>

(David Hamilton in <http://band1tvdx.blogspot.com/> )



## Shortwave Radio Meetings - 2012

Here is a list of some radio (especially shortwave and DX) related meetings of this year. I hope this is of interest. Updates and corrections are very welcome to [risto.vahakainu@helsinki.fi](mailto:risto.vahakainu@helsinki.fi).

Date: February 11 (1430-1700 BST)  
Location: Reading International Solidarity Centre (RISC), 35-39 London Street, Reading RG1 4PS, England  
Organization: Reading International Radio Group Expected attendance: 20 More info: [www.bdx.org.uk](http://www.bdx.org.uk)  
Note: Reading DX meetings are held with about 2 months interval (next 14 April)

Date: February 25 (1300- CET)  
Location: Gaggenau-Ottenau, Germany  
Organization: Ottenauer Kurzwellenhörerklubb Murgtal More info: [bernhard.seiser@daimler.com](mailto:bernhard.seiser@daimler.com)  
Note: Including a meeting of Radio Taiwan International's Hörerklubb

Dates: March 1-3  
Location: Plymouth Meeting (near Philadelphia), PA, USA  
Description: Winter SWL Fest (jubileum meeting, 25th Fest)  
More info: [www.swlfest.com](http://www.swlfest.com) Expected attendance: 150

Dates: March 16-20  
Location : Holzerbachtal in Solingen-Wald, Germany  
Description: DX-Camp  
Organization: Kurzwellenfreunde Rhein/Ruhr More info: [dx-camp@kwfr.de](mailto:dx-camp@kwfr.de)

Dates: May 10-12  
Location: Washington DC, USA (at the headquarters of Radio Free Asia)  
Description: Annual NASB Conference  
Organisation: National Association of Shortwave Broadcasters+DRM Consortium, USA More info: [www.shortwave.org](http://www.shortwave.org) Expected attendance: 30-50

Dates: May 18-20  
Location: Dayton, Ohio, USA  
Organization: Dayton Hamvention  
Expected attendance: 20000  
More info: [www.hamvention.org](http://www.hamvention.org)

Dates: May 30-Jun 4  
Location: Hotel Langdüt Ochsenkopf, Rotta (near Wittemberg), Germany  
Description: European DX Conference, the annual meeting of EDXC  
Organization: European DX Council  
Expected attendance: 50  
More info: [www.edxc.org.tiszi2035@yahoo.com](mailto:www.edxc.org.tiszi2035@yahoo.com)  
Note: Including Annual General Meeting of the Danish Short Wave International

Dates: June 1-3  
Location: Delsbo, Sweden  
Description: DX-Parlamentet 2012, the annual meeting of the SDXF  
Organization: The Swedish DX-Federation (SDXF) More info: [www.sdx.se](http://www.sdx.se)

Dates: June 22-24  
Location: Friedrichshafen, Germany  
Description: Ham Radio, biggest annual hamfest in Europe  
Expected attendance: 20000

Dates: June 23 (1500- BST)  
Location: Twickenham, England  
Description: British DX Club's Summer meeting More info: [www.bdx.org.uk](http://www.bdx.org.uk)

Dates: July 28-August 12  
Location: Döbriach, Austria  
Description: DX-Camp  
More info: [www.dxcamp.org](http://www.dxcamp.org)

Dates: August 3-5  
Location: Vuosaari, Helsinki  
Description: The Annual Summer Meeting  
Organization: The Finnish DX Association Expected attendance: 100 More info: [www.sdxl.org](http://www.sdxl.org)

Dates: August 25-26  
Location: Tokyo, Japan  
Description: Big ham fair with a SW sector (Japan SW Club stand & lectures)  
Organization: Tokyo Ham Fair  
Expected attendance: 30000  
More info: [ohதாகet@live.jp](mailto:ohதாகet@live.jp)

Dates: August 31-September 5  
Location: Berlin, Germany  
Name: IFA Internationale Funkausstellung  
Description: Consumer Electronics Fair - Including Radios

Dates: September 14-18  
Location: Germany  
Description: DX-Camp of the Oldenburger Kurzwellenfreunde  
More info: [Karl-J.Conrads@t-online.de](mailto:Karl-J.Conrads@t-online.de)

Dates: September 21-25  
Location: Holzerbachtal in Solingen-Wald, Germany  
Description: DX-Camp  
Organization: Kurzwellenfreunde Rhein/Ruhr More info: [dx-camp@kwfr.de](mailto:dx-camp@kwfr.de)

November 5  
Location: Hannover, Germany  
Description: Interradio in the hall 20 of the Hannover Messe (with ADDX stand)

Date: November 17  
Location: Hotel Casa400, Amsterdam  
Description: RadioDay, event for offshore radio experts and enthusiasts Expected attendance: 400 More info: [www.radioday.nl](http://www.radioday.nl)

(Risto Vähäkainu via HCDX)

## Fritid - om amatörradio, DXing och radioflyg

Jag hittade ett gammalt TV-program på youtube som innehåller ett inslag om DX-ing från Abisko.  
<http://www.youtube.com/watch?v=kQ2xRS80d0Q> Från vilket år kan detta vara? Sent 80-tal kanske?  
(mvh/Eric Söderman via NORDX)

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Kul inslag!

Var faktiskt med på denna expedition som måste ha varit nångång 86-87-88. Har för mig att vi var runt 15st i Abisko samtidigt på denna nyårsexpedition i stugorna. Var själv med i MKVK's gäng och vi släpade med 6 st mottagare i form av SP600JX21, Collins R390A osv på tåget plus all antennråd och kringutrustning. Det var också DXare från Helsingborgs/Ängelholmområdet, Stockholm (bla Nisse Jakobsson som syns i reportaget) och ett par från Kiruna. Ett riktigt äventyr. Minns också att vi även träffade på Sigge A och Lasse Skoglund som var på väg till en Mertajärvi expedition på tåget upp!

(mvh, Bernt-Ivan Holmberg via NORDX)

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Kul att få se det här gamla inslaget igen. Som Bernt-Ivan skriver så är det från 85/86. Det var en ren slump att vi "stockholmare" fick vara med. Om jag minns rätt hade någon från MKVK (äras den som äras bör) varit i kontakt med TV i Luleå och tipsat dem om det stora gäng som åkte upp. När TV-folket sedan ringde till stugbyn valde föreståndaren att kontakta mig, och jag fick ta samtalet från dem.

I vår stuga fanns förutom mig Lars Bäckström från Lidingö (som blev intervjuad när han lyssnade på en japan), Kjell Gustafsson och Björn Sköld, Spånga, som skymtade förbi. Det blev inte bara glamour och stugvärme för oss den dagen. Vi tvingades också ut (-35 tror jag det var) för att fiktivt dra en antenn. Dagsljuset räckte dock inte till, så våra vedermoder kom aldrig att synas i rutan.

Vad jag vet är ingen av oss 4 aktiva på banden idag. Själv har jag bytt till andra sidan av mikrofonen och finns på [Radio Viking 101.4](#) på fredagskvällar. Tack vare internet och streaming har det faktiskt blivit lite omvänd DX-ing med lyssnarkontakter i bl.a. Brasilien - men det är en annan historia.  
73 (används det fortfarande?) (Nisse Jakobsson via NORDX)

## Tvåhålskärna N30 i en trafo för en Bäverantenn

Jag har använt denna trafo sedan i höstas och den verkar fungera bra med min Bäverantenn, 500 m lång. Det är ju väldigt svårt att från enbart lyssning avgöra om antennen funkar som den ska, eller snarare som den skulle kunna göra! Att i alla fall veta att trafon fungerar är ju en bra början!



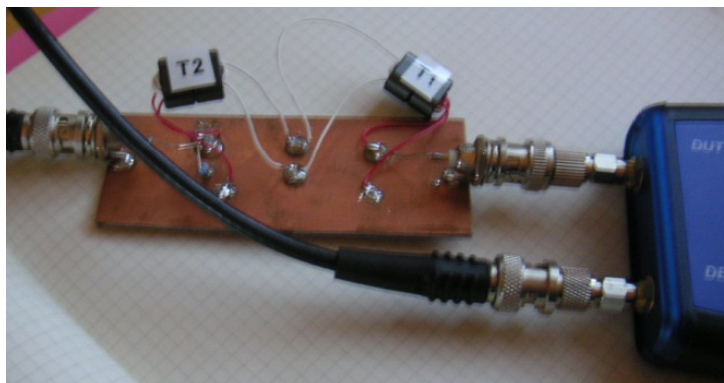
Min trafo består av 2 st N30 tvåhålskärnor lindade med 2 varv på primären (50 ohm) och 6 varv på sekundären, vilket ger en omsättning på 50:450 ohm, vanligt då man talar om Bäverantenn.

Transformatorerna är lindade helt "ad hoc", utan försök till att få dem så lika som möjligt, vilket faktiskt inte alls syns i nedanstående mätningar! De är väldigt lika varandra, vilket väl är "good news", eftersom de då bör vara reproducerbara!

Mätuppsättning och metod:

Mätningen gjord med en VNAPro inkl mjukvara 2 st identiska transformatorer, först uppmätta var för sig, sedan kopplade "back-to-back" för att mäta genomgångsdämpningen. Eftersom denna dämpning mäts genom 2 transformatorer, är dämpningen för EN transformator = hälften av det uppmätta värdet för 2 transformatorer.

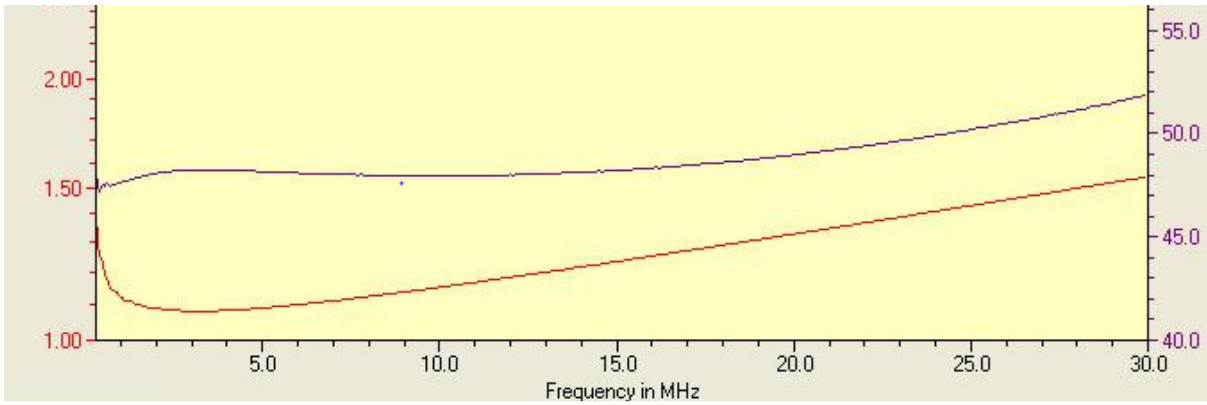
Vid mätning på resp. transformator, är sekundären kopplad till 453 ohm 1% motstånd.



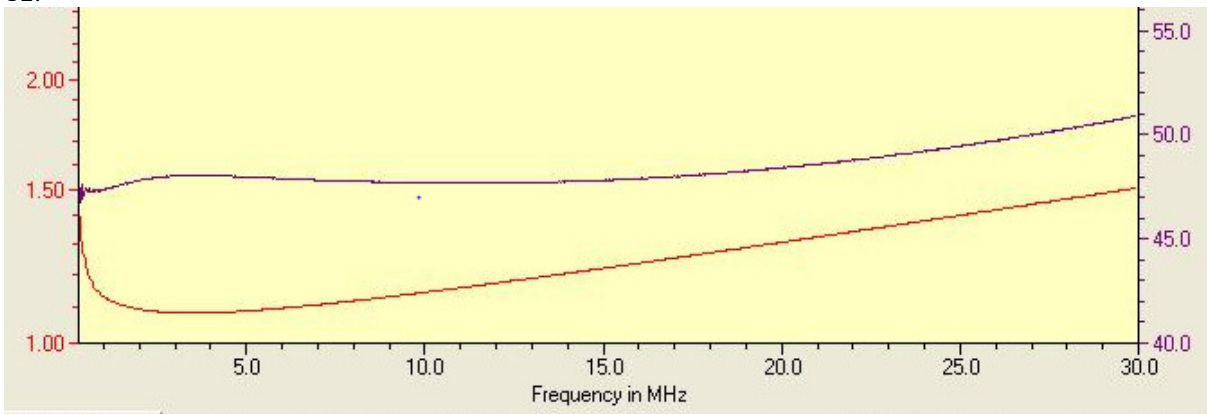
Resultat:

**1 Uppmätning av resp. transformator 0,3-30 MHz:**

T1:

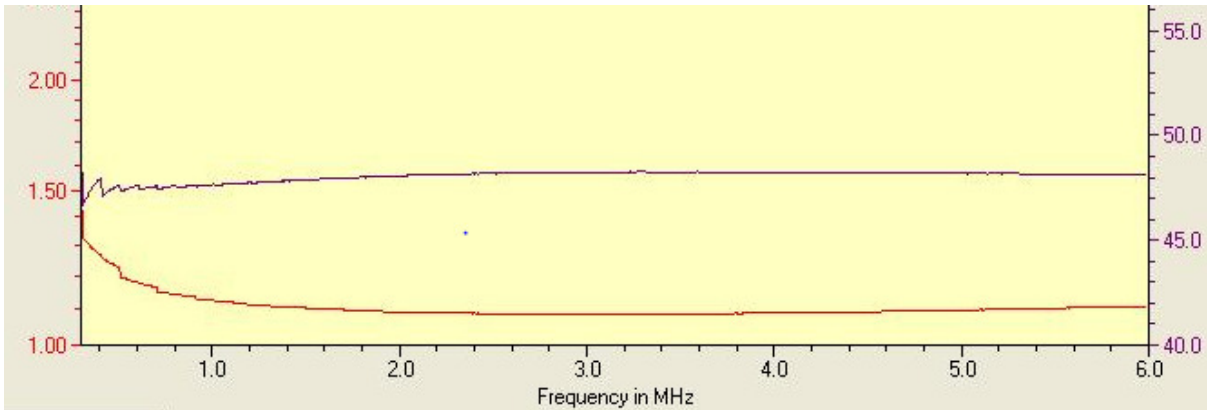


T2:

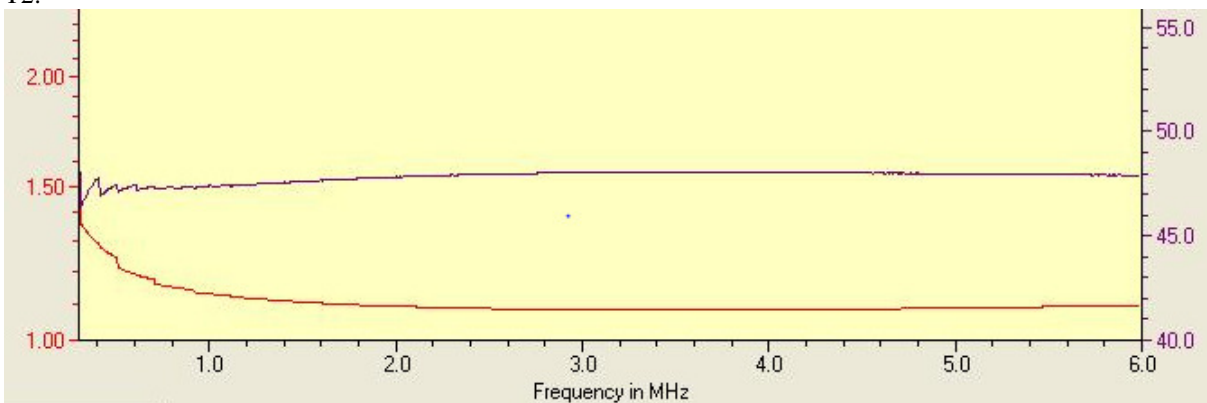


**2 Samma transformatorer mellan 0,3-6 MHz:**

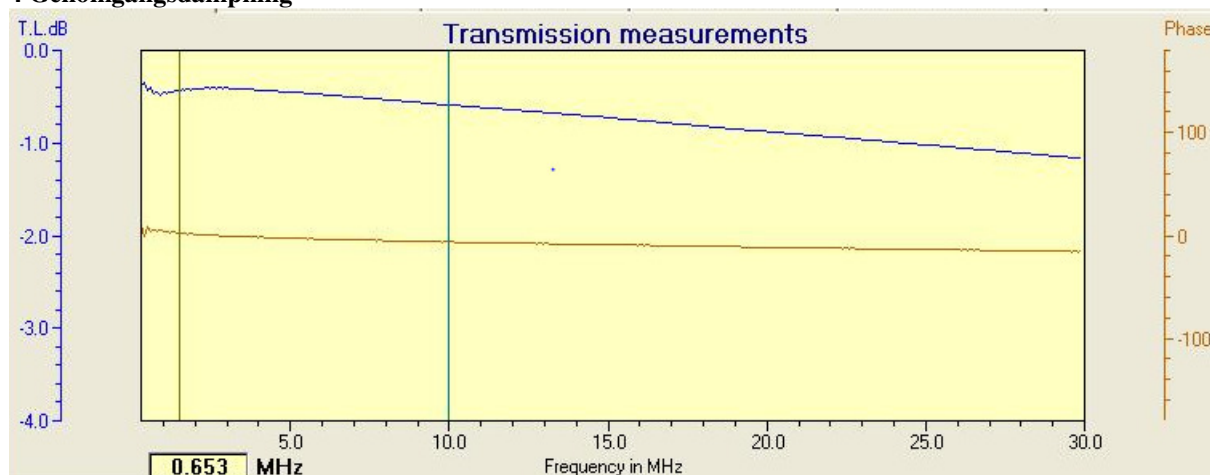
T1:



T2:



#### 4 Genomgångsdämpning



Dämpningen är 0,4dB vid 1,5MHz och 0,6dB vid 10MHz, för att sedan sjunka till ca 1dB vid 30MHz. Eftersom mätningen görs med två transformatorer "back-to-back", blir dämpningen per transformator 0,2, 0,3 resp. 0,5dB. Detta får anses vara bra och fullt användbart!

En mätning som jag ännu inte gjort är att mäta IP2 resp IP3! Det skulle vara intressant att göra en sådan mätning, man kan kanske misstänka att dessa kan vara större på en så pass liten transformator, jämfört med en som är lindad på en mycket större kärna. Men det får bli en senare övning!

/Arne Nilsson

#### ALL TIME DX LISTS

The new all-time DX lists edition 2011 are now available from the Circle's web site at <http://www.mwcircle.org>  
Thanks to Andrew Brade for the wonderful compilation work.

73 (Herman Boel, 13 Feb, MWCircle yg via DXLD) viz.:

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For over 50 years the Medium Wave Circle has published interesting reports of long distance reception of faraway radio stations in its newsletter Medium Wave News.

Over time this collection grew and the Circle began to distil these reports into compilation lists showing which faraway radio stations were being heard by listeners in the UK and Ireland. These lists became known as the "All Time DX Lists" even though they only really contain data since the 1950s to the present day.

The oldest list summarises long distance reception of stations in North America, but similar lists have been created for South America, Central America, Africa and Asia. Before the 1980s lists were published infrequently but with advent of computers it became easier to compile data and lists have been published annually. Initially the lists were published in Medium Wave News or as paper supplements as they grew in size. More recently they have been published on an annual CD.

The All Time Lists try to be a comprehensive record of every station heard and positively identified by listeners in the UK and Ireland. Of course this is an impossibility! There will be omissions and there will be errors, so we welcome updates and corrections even years after the event.

North American DX List 2011 (PDF, 173 kB)

Central American DX List 2011 (PDF, 70kB)

South American DX List 2011 (PDF, 150 kB)

African and Asian DX list 2011 (PDF, 85 kB)

[http://www.mwcircle.org/mw\\_alltime.htm](http://www.mwcircle.org/mw_alltime.htm)

(via DXLD)

#### FREQUENCY ACCURACY

**INDIA, 9910.055, AIR Persian service**, played subcontinental film music at 1345 UT Feb 10. S=7-8. TX location is not precisely known. Because of the lousy information policy of bureaucratic AIR broadcasting organization. AIR is not a member of HFCC frequency registration group – anymore.

(Wolfgang Büschel, wwdxc BC-DX TopNews Febr 10 via DXLD)

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Wolfy, is every station off frequency? Isn't there any station say exactly on 9760.000???? Are the technicians sloppy in setting frequencies on their TXers?? (Victor Goonetilleke, via wb, ibid.)

-----  
Good morning Victor, Let's say 90% of the international shortwave broadcaster are nearly exact on x.000 to x.004 Hertz rather even frequency. Depends also on availability of nearby standard frequency station access and possibility of precise hardware adjustment alignment on modern transmission units.

Or in case of North Korean broadcasts the non-availability of exact and steady main power voltage, on extreme temperatures.

On the other hand, even on extreme temperature regions like R Yakutia Sakha Yakutsk, R Magadan and Murmansk Monchegorsk in far Northern Russia, the frequencies in use are very exact.

Yesterday in the 1500-1545 UT monitoring slot, I could hear also at least 70% of the remaining AIR 60 mb regional stations of nearly exact frequency, but reported only "the footprints" of the different frequency channels, or AIR station channels with co-channel interference by Foreigners.

It's exciting and thrilling to have such precise hand tools at hand to narrow exact frequency to one single Hertz and according recognize broadcasters, -- when remember the BFO usage and counting down fiddling in the 60ties and 70ties. Some stories to tell about this matter.

Each Perseus unit I used in past 3 years, have different alignment.

Exact alignment should be done for 12 band separate segments, like MW, 2.5, 4, 5 MHz, as well as the various 49 to 13 mbands.

Use standard frequencies for alignment like 60, 77.5 kHz, - known MW channels of M&B Germany, Russia, Japan, 2500, 3925 Nagara, 4625 Buzzer, 4996, 5000, 9595 Nagara, 9996, 10000, 11530 UKR, 14996, 15000 kHz.

Set the Perseus browser to features, like Spect, Zoom, BW 6 kHz, Span 0.24 Hz, CF step 1 kHz.

Nearly 99.9% of the Russian SW transmitter are on exact frequencies even these days, as well as trained and qualified personnel on the former URS/CIS states like Belarus, Moldova; similar to say about late Bulgarians, NHK Yamata, all M&B outlets at Nauen and Wertachtal, in CHN P.R. not all - some regionals in Tibet and northern China are odd -, but most outlets on air from most modern TX facilities are very exact on channel.

Some odd frequency channels noted recently - or sometimes monitored for many years, are for example:

Two of the nine Saudi Arabian 500 kW beasts are always odd channel, as well as a single unit at TRT Emirler, AIR Goa Panaji after refurbishing action, Saipan-MRA unit, VOI and RRI Jakarta 9526v and 9680v, many of the Taiwanese SW channels which reported extensively in past years, RAE Buenos Aires, Moroccan R via Nador on 15 MHz, some Iranians, Vietnamese, R Tirana, TWR Swaziland, a row of US domestic religious stations. Not to speak of lots of odd domestic stations in Latin America, Canada, or ancient puppet former RIAS now DLF Berlin Britz Germany unit on 6190v. (73 de wolfy df5sx (Wolfgang Büschel, DX LISTENING DIGEST))