

SHORTWAVE BULLETIN

Issue no. 1747, June 10, 2012.

Deadline e-mail next issue: 0900 SNT, June 24, 2012.

Så är det dags igen med SWB. Som en del av er redan vet så har jag varit inne för en operation för att försöka rätta till problemen med läckage efter prostatacanceroperationen för några år sedan.

Det finns en ganska nyutvecklad metod, sk "slyngplastik". 20 st är gjorda i Malmö och nästan alla med mycket gott resultat. Det går som f-n på sjukhusen, in på tisdag em, operation onsdag morgon och hem torsdag em. Efter diverse mankemang att få fart på kroppen igen - så hör och häpna - nu är läckaget borta!

Så gubben kan förhoppningsvis sitta på redaktörsstolen ett tag till.

Det har varit ganska dåligt mot LA de senaste veckorna tycker jag. Antingen har stationerna försvunnit eller så har kondsen flytt. Trots detta så är tipspalten stor. Även en del annat trevligt finns att läsa i dagens utgåva.

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

QSL, kommentarer, mm.

Giampiero Bernardini: Dear Thomas, here few tips, see if you can use some. They were made testing the receiver Elad FDM-S1 with new 3beta software. Now it can receive 1.2 MHz span... soon it will record it too.

rx: Elad FDM-SW1 - ant: T2FD 15 m long - QTH Milano

Few images on my blog: <http://radiodxsw.blogspot.it/>

Anker Petersen: Here are my latest SW-loggings, from Skovlunde, Denmark with my usual AOR AR7030PLUS with 28 metres of longwire, marked *AP-DNK*.

Also included are my loggings from the recent EDXC Conference at Hotel Landgut Ochsenkopf in Dübener Heide, Sachsen, Germany, using a portable SANGEAN ATS909 with 5 metres longwire, marked *AP-G*. I returned well back Monday evening.

I wish to thank the organizers for a well performed Conference with many good lectures and debate, cultural tours, excellent food and drinks at the hotel with fine talks with about 40 DX-ers present from 10 countries.

Last night (7/6) I was DX-ing to Latin America and found extraordinary good conditions.

Rolf Åhman: Här kommer, sent omsider, ett litet bidrag. QSL har kommit från **Pur Radio 1/Kall Krekel 6085** som svarade med ett snyggt kort, **Radio Canada International/Kashi 9530** och **Kunming 11675** som svarade med brev, dekal och bokmärke samt **Radio Myanmar 7185** som svarade med ett trevligt mejl och kortbilaga. De tackade för CD-skivan jag skickade med innehållande diverse information och svensk musik. Lovade att skicka QSL postledes.

Arne Nilsson: Jag gjorde en liten jämförelse mellan dessa mottagare (Afedri/Perseus) nu på förmiddagen!

Lyssnade på WH7W i Honolulu på 18 MHz och det var ingen större skillnad i mottagningen. Det är naturligtvis ingen speciellt bra test, men det är ju skoj att den i alla fall funkar OK! Jag tycker nog att AFEDRI är hyfsat prisvärd, den kostar ju "bara" 1/3 av vad Perseus kostar, så en viss skillnad får man acceptera.

Lars Skoglund: Ett nytt kortvågs-QSL har kommit sedan sist dvs VOIRI/Kamalabad 6010 som svarade med kort, brev, schema, almanacka och tidningar om Iran.

Björn Fransson: Hej! Jag hoppas att du är så OK som det går just nu och att du sitter i redaktörsstolen, som vanligt. Jag har inte hört någonting annat i alla fall. Däremot har jag hört någonting - och kan därför, för en gång skull, bidra med några saker:

QSL: Domo I Viti, Fiji Freedom and Democracy Movement Radio via WRN-11565.

Personligt svar från Tui Savu, Fijier som numera bor Port Augusta, SA. Vi har haft en ganska livlig korrespondens sedan hans första mail, så nu har jag fått en just verifikationstext per mail. I första mailet hade han i ämnesraden skrivit "Tack så mycket" - annars hade jag nog inte kollat det, eftersom det låg bland "spams". Han inledde också brevet med "Hej Björn". Alltihop "Google"-översatt, förstås!

Radio Alice, Holland-3905. Två e-mail-QSL + personligt mail från v/s Herman. Även han svarade delvis på svenska, men det beror på att hans dotter studerat svenska i Groningen!

Radio 6150-6150 svarade med e-mail-QSL på tyska.

WR International-12257 (35 watt) och 15770. Brevsvar med riktiga, tryckta QSL-kort, personligt brev och almanacka. Kallar sig "Europe's Nostalgia Station". Sänder varje söndag kl 08.00-11.00 UTC.

Radio Tamazuj-7315/11940. QSL-kort med riktig post via Free Press Unlimited.

Radio XVRB-6045. Snyggt e-mailsvar. Det är tyskt gäng som sänder litet då och då.

Ja, lite radioaktivitet har det i alla fall varit på ön! 73 från Björn på Gotland

Dan Olsson: Hej allesammans. Här kommer ett bidrag ifrån DO. Förra helgen 2-3/6 var vi för sista gången denna säsong ute i Saxtorp. Det hela var ett extra möte för att testa vår nyinköpta ALA 100 loop. Så nu använder vi två stycken ALA-loopar därute, vilket har inneburit att vi har plockat ned den ena av våra antenner och den andra kommer att plockas ned under sommaren. Vi hade en himla tur med kondsen så att vi åkte hem nöjda. Tyvärr var kondsen inte så bra mot sydamerika.

Lite QSL har jag att redovisa: **R Batavia 3930** 3 e-brev o kort, **SWRNL-pirates 6290** e-brev o kort, **Nachtpiraaat 6292** e-brev o kort, **R Scotland 6300** e-brev o kort, **R Uncle Sam 6425** e-brev och **China Radio Int 11900** e-brev.

Ronny Forslund: Trots vistelse i Fredriksfors och Delsbo några dagar så blev det inget lyssnat utan det var fullt upp med DX-parlamentet och Radio Dellen International. Sändningarna på kortvåg gick tydligen ut riktigt bra och rapporter har anlänt från Schweiz, Ryssland, Österrike, England, Tyskland, Holland, Belgien och de skandinaviska länderna. Många har också uttryckt uppskattning över vårt musikutbud vilket är trevligt. Ett par QSL har anlänt: **BBC Indian Ocean Relay Station, Mahe 6005/9410** brev, v/s Jose Tambara, Senior Engineer och **Radio New Zealand International 11725** kort, brev, schema, broschyr. Visserligen inga märkvärdigheter men å andra sidan riktiga QSL via post, precis som förr i världen. Trevlig sommar, Ronny.

(Tack Ronny för arbetet med R Dellen! Kul. Se fler kommentarer nedan. /TN)

Log

(UTC)

2325			VL8T Tennant Creek NT 1000 to 1020 strongest of the N T Australians on 9 June, 2485 Australia, VL8K Katherine NT also noted same time (Wilkner)
2485			VL8K Katherine NT 1020 to 1030 noted with audio on 6 June (Wilkner)
3204.9			Radio Sandaun West Sepik 0850 to 0950 good signal on 7 June (Wilkner & XM - Cedar Key)
3290			GBC 0030 to 0200 eclectic program of news, religion and music. 8 June (Wilkner & XM - Cedar Key) 0800 chorale music, 8 June (Wilkner)
3290			GBC, Voice of Guyana heard at 0935 to 1030 fade out: Voice of Guyana silent since 31 May as discussed on media. 7 June (Wilkner and XM - Cedar Key)
3355			R. Educadora 6 de Agosto , Xapuri AC, 2208-2218, 26/5, progr falado; 25331. Carlos Gonçalves
3375.1			Radio Municipal São Gabriel da Cachoeira 0930 to 1000 with music, 8 June (Wilkner, XM and MAR)
3904.9	2.6	1940	Radio Alice , holländsk pirat med musik och ID. S 3-4. BEFF
3905	2.6	1855	R Alice drog sin adress. Svarade min kompis JTM delvis på svenska då hans dotter studerar detta på universitet i Groningen. Ny svensksändare? DO
3930	2.6	1900	R Batavia med gammal god musik som Dire Straits och ABBA. DO
3995	8.6	2120	HCJB med tyska ifrån den nya sändaren som de startade igår. Program på engelska startade nu 22.00. Sändaren ligger i Tyskland men hörs inte så värst bra. DO
4010		0007	Kyrgyz R 1 , Bishkek Kyrgyz talk 25322 // 4795 (15211) AP-G
	31.5		
4055			Radio Verdad , 0515 with religious music on 2 June (Wilkner)
4451.2			Radio Santa Ana , Santa Ana de Yacuma 0000 to 0025 on 8 June (Wilkner)
4716.57			Radio Yura , Yura, fading in at 2320 on 2 June; 1020 sign on 9 June (Wilkner)
4747.09	7.6	0025	R Huanta 2000 , Huanta (p) Spanish talk by various people 15221 AP-DNK
4750			Dunamis BC , Mukono, 1748-1841 (fechou às 1900), 26/5, canções, hinos, às 1800, canções africanas; 25331, mas a melhorar. Carlos Gonçalves
4755.42			The Cross Radio Pohnpei Micronesia , 0915 to 1040 on 5 June, heard with decent signal this time all week. Same 9 June (Wilkner - XM - Cedar Key)
4765	31.5	0005	Tajik R 1 , Yangiyul Tajik folksongs 35343 AP-G
4774,943	1.6	2358	R Tarma med stabil signal och ID 0001 Esta es R Tarma. TN
4781.5			Radio Oriental , Napo 2310 to 0000 on 31 May, irregular at this time; heard on three occasions (Wilkner)

4781.5			Radio Oriental , Napo *1100 with om, no music to 1128 fade out 7 June (Wilkner - XM - Cedar Key)
4800	31.5	0030	AIR Hyderabad Hindi ann, Indian music 15111 AP-G
4805			Radio Difusora do Amazonas , Manaus 0940 to 0950 with om, strong signal, 9 June (Wilkner - XM - Cedar Key)
4815.00	6.6	2250	R Difusora , Londrina, PR Portuguese discussion 25232 AP-DNK
4824.411			La Voz de la Selva , Iquitos 1120 noted with om español, signs on very late for Florida. 7 June. 60 meters has been open till 1200 last few days. (Wilkner and XM - Cedar Key)
4824.53			La Voz de la Selva , Iquitos 0000 noted on June 2nd. Signs on well after 1100 in local mornings (Wilkner)
4824.95			La Voz de la Selva (p) , Iquitos, 2220-2225, 24/5, progr. falado, presumivelm., em castelhano; 15331, escassamente audível. Carlos Gonçalves
4825			Brasil - Tenor vocal in Portuguese 1000, om and yl at 1015 on 9 June (Wilkner)
4826.63			Radio Sicuani , Sicuani, Cusco 0930 first Peru in the morning, with om chat and music 8 June (Wilkner - XM - Cedar Key)
4835.00	28.5	2000	VL8A , Alice Springs, NT English pop songs and talk about the weather, phone numbers. Now 24 hours on 4835, ex 2310 35333 AP-DNK
4835			Alice Springs , NT 1135 seems in well with readable signal here and two other DXers in South Florida. Best in lsb to avoid 4840 splatter (Robert Wilkner)
4835	2.6	1955	ABC/Alice Springs överraskade oss med att Euphoria med Loreen. DO
4840	31.5	0012	AIR Mumbai Hindi ann, Indian songs and music 35343 AP-G
4840	2.6	0154	WWCR , Nashville, TN English religious talk about Jesus Christ 45344 AP-G
4845.2	31.5	0015	R Cultura Ondas Tropicais , Manaus, AM Portuguese talks 25222 AP-G
4845.23	6.6	2300	R Cultura Ondas Tropicais , Manaus, AM Portuguese ann, Brazilian pop songs, utility QRM 32332 AP-DNK
4845.25	2.6	0105	Radio Cultura , Manaus, Brazil, nice songs, fair/good GB
4865			Unid Two stations here this morning. at 0935, 7 June (MAR - Vero Beach)
4877.25			Rdif Roraima , Boa Vista RR 0930 to 1000, very strong signal, distorted best in AM difficult to zero beat in ssb 8 June (Wilkner - XM - Cedar Key)
4878.03	6.6	2305	R Difusora Roraima , Boa Vista, RR Portuguese talk, Brazilian pop songs 24132 CODAR QRM AP-DNK
4885	2.6	0200	R Clube de Pará , Belém, PA Portuguese talk, ann 25332 AP-G
4885.00	6.6	2315	R Clube do Pará , Belém, PA Portuguese speech, promo about Portugal, talk - stronger signal than usual 45333 AP-DNK
4914.99	6.6	2320	R Difusora , Macapá, AP Portuguese talk, mentioning Macapá 35333 AP-DNK
4915	2.6	0112	Radio Difusora do Macapá , Brazil, songs, ids, talks, fair GB
4920	31.5	*0015	AIR Chennai AIR IS, "Vande Mataram" hymn, ann in Tamil, native Indian music 35333 AP-G
4925.2			R. Educação Rural , Tefé AM, 2131-2144, 25/5, progr. falado; 25331. Carlos Gonçalves
4925.23	2.6	0120	Educacao Rural (tent) , Tefe, Brazil, talks, poor GB
4949.8	31.5	0023	R Nacional de Angola , Mulenvos Portuguese talk, music 23222 with heterodyne AP-G
4955.00	7.6	0035	R Cultural Amauta , Huanta Spanish talk 25232 AP-DNK
4990t.			Radio Apintie , Paramaribo 0920 to 1000, om Dutch? ;same fade pattern as GBC, 9 June (Wilkner)
5005			RNGE , Bata, 1750-1839, 26/5, dialecto local, músic pop' africana, texto às 1800, mais tarde em castelhano, noticiário local, progr. de propag. relig., em dialecto local, às 1845; 35332. Carlos Gonçalves
5010	31.5	0027	AIR Thiruvananthapuram Malayalam ann, Indian song 35433 AP-G
5019.88			Honiara with decent sig 1045 on 4/25 but muffled, OM in EE with nx pgm, bursts of orchl mx. Carrier was noted as early at 0930 but no modulation yet. (Perry, Illinois)
5025	2.6	0206	R Rebelde , Bauta Spanish interview, mentioning Santiago, ID, phone-in's e.g. from a listener in Nicaragua saying: "Programa excelente, información total" 45344 AP-G
5040	2.6	0210	R Habana Cuba , Bauta French and Spanish ID's, talk about Cuba, Taiwan and Facebook, promo 45344 AP-G
5045			R. Guarujá Paulista , Guarujá SP, 2226-2234, 24/5, A Voz do Brasil, 2.ª parte; 35332. O sinal - débil - desta emissora tem a intensidade do da R.Cultura do Pará, quando operou nesta freq., através do seu tx de reserva, de 500 w. Carlos Gonçalves
5050	2.6	0213	WWRB , Manchester, TN English religious talk 45344 AP-G
5066,3			R. Télé Candip , Bunia, 1747-1843 (fechou às 1904), 26/5, progr. falado, em francês e dialecto(s) local(-ais), canções africanas; 25331, mas a melhorar. Carlos Gonçalves
5109.78		0126	WBCQ , Monticello, USA, pop songs and talks in English, AM but modulated only on the upper side of the carrier, fair GB
5109.8	2.6	0215	WBCQ , Monticello, Maine English talk about Facebook 35343 AP-G
5120.00	7.6	0035	R Ondas del Suroriente , Quillabamba. SS talk by woman, best in USB. 25333 AP-DNK

5580.2			Radio San José , San José de Chiquitos 2340 to 2350 on 5 June (Wilkner)
5446.5U	2.6	0218	AFRTS feeder, Saddlebunch, FL English talk, CWQRM 22322 AP-G
5840	27.5	2300	R Free Asia , via Iranawila Khmer phone-in conversation. Printed QSL received 7 days after report on RFA webpage! 45333 AP-DNK
5895	2.6	2230	R Dellen International , Delsbo (350 kms north of Stockholm), tests with 400 watts during Swedish DX-Parliament Swedish ann, songs, 2200 a man interviewing a DX-er with a few words caught: "radio", "Hur många lyssnare", "Samling", "November" and "hoppas jag", songs in between, deep fades and QRM from a strong CW-transmitter on 5897 22322. Also heard at 0027-0038 on 03.06 nonstop oldies of Rock and Jazz songs in Swedish and English, 0034 recorded Swedish ID: "Radio Dellen International sändar ifrån Delsbo på 5895 och 6065 kHz" 32332 still CWQRM on 5897 AP-G
5895	2.6	1620	R Dellen med Frankie Valley och Everly Borthers. Hördes med Q3. DO
5895	3.6	1344	R Dellen Tack till Ronny, Rolf och Dan (med flera) för avslutningsintervjuerna efter DX-parlamentet, intressant! Hörbarheten i Ängelholm ganska bra, men en och annan riktig fadingdal. Kul också med att Bernt-Ivan hållit föredrag om fjärrlyssning. Ämnet har varit aktuellt ett bra tag och ännu mer finns att läsa för den intresserade på min hemsida http://www.thomasn.sverige.net/remote.htm TN
5895	1.6-3.6		alla möjliga tider Radio Dellen hördes lite då och då på den här frekvensen, men nästan bara med nonstop musik. Jag orkade inte sitta och vänta ut eventuella talade inslag och intervjuer från DXP, så lite besviket var det nog ändå. BEFF
5909.96	2.6	0025	Alcaravan Radio , Colombia, usual nice songs, fair GB
5910	28.5	2010	JSR Shiokaze (Sea Breeze Radio) Ibaragi-Koga-Yamata, japanese yl tlk 2-3 . Quite interesting infos here: http://www.chosa-kai.jp/SWR.html Galassi
5910	2.6	0222	Alcaraván , Lomalinda Spanish ann, nice Colombian songs 35343 AP-G
5914.86	2.6	2102	ZNBC R1 Lusaka, Zambia with anthem and 21.06 s/off 3 Galassi
5940.06	6.6	2320	Voz Missionaria , Camboriú, SC Portuguese religious talk 35333 AP-DNK
5952.44	2.6	0015	Radio Pio XII , Bolivia, music and talks, in LSB to avoid Radio Republica, weak/fair GB
5952.45	6.6	2330	R Pio XII , Siglo XX Spanish talk with musical interludes 35232 AP-DNK
5952,5			Radio Pio XII , Siglo XX, Llallagua,Potosi 1100 with yl noted with weaker than usual signal, 9 June (Wilkner)
5954.2	2.6	0018	Radio Republica (pres) , Costa Rica, talks, fair signal but poor audio GB
5970.00	6.6	2340	R Itatiaia , Belo Horizonte MG, 2110-2127, 25/5, noticiário de futebol, identif. cantada, informações horários; 43342, QRM por via de espalhamento da R.China Intern., em inglês, em 5960, via ALB. Carlos Gonçalves
5970			R. Guaíba , Pt.º Alegre RS, 2107-2115, 25/5, progr. falado; 23341, QRM da CHN. Carlos Gonçalves
6000			Nord AM med bl a "Papa Joe". Lovade komma med QSL, men i e-mailsvaret skrev man att min var den första rapporten från Sverige. BEFF
6010.08			LV de Tu Conciencia , Puerto Lleras, often noted around 0730+, fair sig with guitar ballads and OM SS anmts, some rlg choral mx. OM inspirational tlks in SS. Full IDs for "LV de Tu Conciencia" and fqy quotes, also. Clear of usual trouble from the OA at this time, of late. Usually I hear XEOI Núcleo R Míl much better here, tho on the lower side of 6010. (Perry, Illinois)
6035			Serviço de Radiodifusão do Butão (?), Sangaygang, 2228-..., 24/5, progr. falado; 24331, QRM adj., modulação fraca. Carlos Gonçalves
6059.95			Super Radio Deus e Amor , Curitiba, lengthy ID and fqy anmts 0900 on 5/28, into pgm of Brazilian pop ballads, OM PP anmts. Noted // 6120.01, but latter fqy much weaker. (Perry, Illinois)
6060			R. Nacional , General Pacheco, 2230-2239, 24/5, noticiário; 33431, QRM do B + outra, n/id, em mandarim. Carlos Gonçalves
6060	3.6	0400	R Habana med ID. DO
6065	2.6	1608	R Dellen också här med nonstop mx, men med sämre hörbarhet än på 5895. 1609 flyttade man över till 5895 enl Mauno Ritola på NORDX som hade koll. TN
6070			R. Capital , Rio de Jan.º RJ, 2002-2119, 25/5, identif., anúncios, início de retransmissão da SRDA, às 2104; 35342. Carlos Gonçalves
6070	2.6	0030	Deus é Amor , Rio De Janeiro, Brazil, religious enphatic talks, fair //11765 good (no Canada signal) GB
6090			R. Bandeirantes , São Paulo SP, 2140-..., 27/5, relato de futebol Palmeiras x (?); // 11925,1; 23431, QRM da NIG. Carlos Gonçalves
6095	24.5	1000*	Transportradio , the Netherlands, via Wertachtal Dutch pop songs, debate about football, closing ID: "... Transportradio ... all over Europe ...". Schedule Mo-Fr *0800-1000* 55555 AP-DNK
6104,962	1.6	2306*	UNID . Very weak station here sounds like a Brazilian. Just above noise level every time I

			have observed them so not possible to get any px info or ID. Noted almost every night. Maybe Cultura Filadelfia?? TN
6120			SRDA , São Paulo SP, 2212-2223, 26/5, o pregador David Miranda c/ repetidos louvores à IPDA e convites p/ os trouxas, perdão, os crentes receberem o Toque Divino...; 45433. Carlos Gonçalves
6134.77			Radio Santa Cruz 1000 to 1010 very strong signal 9 June (Wilkner)
6134.85	6.6	2345	R Santa Cruz , Santa Cruz de la Sierra Spanish conversation with musical interludes, heterodyne 24232 AP-DNK
6140	27.5	0935	MV Baltic , Göhren German ann, German and British pop songs, 0930 "Nachrichten", ID's, short talk in English about Schwerin, Beatles song in German 35343. No signal on 9480 AP-DNK
6134.8	2.6	0035	Radio Santa Cruz , Bolivia, social talks in Spanish, songs, fair GB
6154.93			UNID (BOLIVIA?) -, interesting unid, apparently LA (and strongly suspect R. Fides, La Paz, Bolivia). First noted weakly 5/27 0120-0200+. Pretty fair but muffled mod on 5/29 at 0115 when other benchmark Bolivians barreling in on 49 meters. The signal's fade-in and peak seem to nicely // behavior of 5952.42 R. Pio Doce and 6134.83 R. Santa Cruz. Decent QSA last night, 6/6, at 0040-0120+. but no ID pulled yet. Pgmng quite nondescript, mainly MoR LA ballad-type music or schlock pop, occasionally long tlks in definite SS by YL, such as at ToH 0100. Also had male ancr in SS on 5/27. Signal typically weak and only fair at peak QSA, muffled audio, and quite bad slop ex 6165 some nights starting arnd 0100. Now may be as good as it gets, to work this, since not good prospects here for winter reception -- darkness path to subcontinent allows AIR to often dominate this fqy around this time. Need more ears on this one - DXing partner Don Jensen and I have been working this nightly for quite a few nights, but no success pulling the ID yet. Not noted running in parallel, with usual lag, to R. Fides webstream's pgming. But of course, this observation does <u>not</u> eliminate Fides possibility (stns often feed the web independently of the SW feed), but would have been a nice way to nail this, had a parallel been heard with the online pgming. (Perry, Illinois)
6154.94	6.6	2357	R Fides, La Paz (tent.) talk in unidentified language 15121 AP-DNK
6160.00	7.6	0000	CKZN , St. John's, New Foundland EE news, jingle, QRM from 6165. 33333 AP-DNK
6165			ZNBC-R. 2 , Lusaka, 2058-2124, 25/5, inglês, anúncios comerciais, identif., noticiário às 2100, música pop' africana; 35342. Nenhum vestígio do Chade, nesta frequência. Carlos Gonçalves
6165	5.6	0245	ZNBC R2 Lusaka, Zambia with S/ON and IS " call of the fish eagle" , Ids then stopped by the Voice of Turkey signin on at 0255. 2-3 Galassi
6173.9	2.6	0040	Radio Tawantinsuyo , Perú, songs, talks mentioning Cusco, then "Atencion, atencion" weak/fair, better in LSB GB
6173,905	1.6	2359	R Tawantinsuyo med sedvanlig mx. Konds på senare tid inte så bra, men ändå hörbar. ID 0000. TN
6173.92	7.6	0007	R Tawuantisuyo , Cusco (p) Spanish talk and music 25232 AP-DNK
6185	2.6	0235	R Educación , Cd. de México Spanish ann and songs to piano music 25232 AP-G
6210	2.6	1810	R REImus spelade The Who // 1620 kHz. DO
6240	2.6	1700	R Sextant hördes en kort stund och spelade Tarzanboy och Freddy Mercury. Sänder i LSB. DO
6285	3.6	2105	R Bogusman spelade Squees och Ian Dury & Thr Blockheads i övrigt okänd musik. DO
6290	31.5	2015	R SWRNL med musik av Jean Michel Jarre. DO
6290	1.6	2100	Free R Victoira med popmusik. Trevlig musik att lyssna på när man jobbar. DO
6295	2.6	1610	R Witte Reus hälsade till mig. DO
6295	2.6	1800	R Monte Carlo spelade Roxette. DO
6300	2.6	2045	R Ascona med holländsk musik. DO
6300	3.6	0730	R Scotland fick stänga efter en stund eftersom han hade problem med datorn. DO
6305	2.6	2105	R Sonic spelade Brocken wings med Mr Mister. DO
6320	1.6	2025	Free Radio Czeck med eurodisco. DO
6420	2.6	2255	R Tidalwave med 80-talsmusik som Seal och Aqua. DO
6425	2.6	1820	R Uncle Sam med för mig okänd musik men appen kunde fixa fram titlarna. DO
6754u			Shannon with om ID 0931 (MAR - Vero Beach)
6973	2.6	2323	Galei Zahal , Israel, songs, fair/good GB
7295,03	3.6	1535	Traxx FM , Kajang with pop mx. Quite strong. 1753 ID as Traxx FM. TN
9526	30.5	1853	Voice of Indonesia , songs, id at 1900, killed by CRI starting in Russian on 9525 GB
9564.66	27.5	1755	R. Ethiopia , french program, mx and announcement, new frequency shift? 2-3, recording of the S/OFF at 18.00 here: http://www.sendspace.com/file/7b2b77 Galassi
11565	4.6	0830	Domo I Viti , Fiji Freedom and Democracy Movement med sin allra första sändning via WRN. De lärde tvistar om den kom via Palau eller från USA. Hördes skapligt, speciellt mot slutet. Man pratade bara fijispråk, men vissa ord var på engelska. Kommer att sända varje

			måndag, men min vän Tui Sava meddelar att man på grund av helgdag inte gör något nytt program den 11 juni, utan kör samma som den 4 juni. BEFF
11600	4.6	1802*	RTV Libya , Sabrata, French program, news, songs, ids, good, fading, off at 1802 GB
11650	2.6	1330	Voice of Sudan Revolutionary Radio under och över CRI fram till 1500, då frekvensen övertogs av FEBC med adress i St. Petersburg! Jag har inga kontaktuppgifter om Sudan-clandestinen. Har någon annan det? BEFF
11815	3.6	0000	REE , via Costa Rica, fair signal with label REE, but no audio DRM GB
11900	2.6	1730	R China Int. med en trevlig intervju med Johnnie Greenwood från Radiohead. DO
11920	3.6	0002	HCJB Voice of Andes, Santiago, Chile, religious in Portuguese, good GB
12005	3.6	0007	Radio Australia , via UAE, in Indonesian, song, English lesson, fair GB
12085			Voz da Mongólia , Khonkhor, 0921-1100*, 28/5, progrs. em japonês (0900-0930), mongol (0930-1000), mandarim (1000-1030), inglês (1030-1100*), sendo que, nesta última língua, foi dia do Correio do Ouvinte, "Mailbox"; 35433. Carlos Gonçalves
12133.5	3.6	0011	AFRTS , Key Saddlebunch, Florida, USA, talks, in USB, fair GB
15120	4.6	0600	Voice of Nigeria med engelska. Stationen har varit borta från åtminstone denna frekvens och vid denna tid i flera veckor. 4 CB
15345.11	2.6	2328	Radio Nacional Argentina , sport, in Spanish, good GB
15370	2.6	2332	Radio Habana , Cuba, in Portuguese, reports, fair GB
15600	2.6	2335	FEBC , Manila, Philippines, religious songs, Asian language, fair, fading GB
15610	2.6	2340	WEWN , USA, in English, Bible talks, good GB
15630	2.6	2344	Voice of Greece , Avlis, songs, good //15650 fair GB
15720	2.6	2347	Radio New Zealand Int. Reports, fair, fading GB
16980	2.6	2356	Firedrake , Chinese music jammer, fair GB
19000	2.6	2350	Radio Australia , Shepparton, Australian reports, fair //17750 fair GB

" have been struck by how immediate and democratic was the union of those who sought and found intellectual solace within dxing. "

- unknown author (from Robert Wilkner)



"Mark dxing with Radio Apintie fading in "

(Picture from Robert Wilkner)

Station news

AUSTRALIA. 4835, ABC VL8A Alice Springs, 1157-1228 and 1248-1301, June 1. Live coverage of the Richmond Tigers playing the St. Kilda Saints; game ended at 1226 with Tigers winning by eight goals; played the Tigers club song; recap of the game; 49,337 fans at the stadium; 1300 into "Nightlife" program about the transit of Venus. MP3 audio clip at <https://www.box.com/s/e2f9d41b830b7a83c779> .

For years AIR Gangtok (Sikkim) and ABC both peacefully shared this frequency, but if ABC permanently goes to 24 hours, that would seem to be the end to any chance for NAm reception of AIR Gangtok (Ron Howard, Asilomar State Beach, CA, USA)

BRAZIL: Radio Cultura Filadelfia, Foz do Iguazu, Brasil - 6105 kHz at 1954z Con señal debil y mucho QSB, minutos antes que Radio Internacional de China en arabe por 6100 kHz la aplastara.

http://youtu.be/x2mUcmNU_f0 Weak signal, and a lot of QSB, minutes before CRI in arabic on 6100 kHz smashing it. (73 de CX2ABP Rodolfo Tizzi via DXLD)

CLANDESTINE. 15420, R. Free Sarawak via Palau, 1149-1159*, June 7. In vernacular with monologue about "Section 9", native customary rights (NCR) land, etc.; ID before suddenly going off the air; better than normal. Edited MP3 audio posted at <https://www.box.com/s/472de71034f78e22129b> with ID at 1:25 (Ron Howard, Asilomar State Beach, CA, USA)

DIEGO GARCIA: AFN-DG on 12759U kHz carries DJ px of Rock of the local px now at 1140UT on Jun.5.

ID as " Powae 99 AFN Diego Garcia", condition was poor.

<http://www.ndxc.org/imgbbs/img-box/img20120605194437.mp3> by Baba in Kurume, Fukuoka. As ID " You are listening to Power 99 point 1 FM, Hear in Diego Garcia or you are listening to on shortwave"

Live: <http://www.ustream.tv/channel/sw-vhf-dx> by DFS in Shimane-pref.

(S.Hasegawa via DXLD)

FIJI [non]. As first reported exclusively on WORLD OF RADIO 1617 and DXLD 12-20:

HOT NEWS: A station for Fiji named **Domo I Viti** should start on 4 June at 0830-0900 on 11565 via WRN from Palau.

Not sure what its agenda is, clandestine or at least political? Seems there are at least two programs/stations by same name, in Auckland and Sydney by expatriates. Related to either of them, originating where? E.g.:

http://www.aucklandfiji.org.nz/community_features_view.asp?newsid=408

(Glenn Hauser, OK, May 9, WORLD OF RADIO 1617, DX LISTENING DIGEST)

WRN confirms that this new clandestine starts June 4 at 0830-0900 on 11565 via PALAU, and will be weekly on Mondays only. It's sponsored by the Fiji Freedom and Democracy Movement, based in Adelaide, South Australia.

If anyone can hear it, please note how much, if any, is in English, any contact info, and if possible record an ID. I haven't found any Adelaide office, altho searching on ABC News stories gets some hits which aren't very productive.

Note that HFCC has WHRI rather than T8WH registered on 11565 at 08-09. WHR schedules show Angel 4, the most likely transmitter, on 17650 at that time, and Angel 3 on 9930. 11565 was probably just a place-holder in HFCC. Searching WHR program schedules is fruitless (Glenn Hauser, June 3, DX LISTENING DIGEST)

INDIA. 4970, AIR Shillong. As far back as 2009 this station's transmitter has consistently produced a prominent hum along with their programming audio. For several months now the hum was so strong it even blocked out any chance of hearing the actual program audio.

June 1 from 1235 to 1243 heard with NO trace of a hum, just nice clean audio. They fixed the transmitter! End of the news bulletin in English followed by pop songs (Crosby, Stills, Nash, and Young with "Ohio", etc.); no local ID noted; seemed to go off the air at 1303, but back on later. Still making adjustments to the transmitter? (Ron Howard, Asilomar State Beach, CA)

INDIA: AIR Kohima on 4850 kHz. OM Avijit Mondal, Nadia, West Bengal, India [avijit.m22 (at) gmail] informs he heard AIR Kohima on 4850 kHz this morning around 0300 UTC "English news followed by announcement "AIR kohima". then prog in regional lang. still on. " (Partha Sarathi Goswami via DXLD)

Thank you guys for the tip. I probably heard it today via Global tuners Hong Kong remote rx at 1300. It will be a difficult catch in Europe even in winter with co-channel Xinjiang now. (73, Mauno Ritola via DXLD)

INDONESIA. 3325, RRI Palangkaraya, 1200-1225, June 5. In Bahasa Indonesia with Jakarta News relay // RRI Ternate (3344.91) and Wamena (4869.96); at the end of the news relay instead of playing the usual "Bagimu Negeri", instead played the patriotic song "Garuda Pancasila".

The five principals of Pancasila, as set forth by then President Sukarno on June 1, 1945, are the underlying ideals of the country. Therefore this anniversary is probably the reason RRI is playing "Garuda Pancasila".

Thanks to the expert advice from Alan Davies, who IDed the song and provided the background information!

<https://www.box.com/s/5c0defa527ece910a63e> contains a clear five minute MP3 audio with the end of the Jakarta News relay and then playing "Garuda Pancasila", which can also be heard at YouTube

<http://www.youtube.com/watch?v=12UQBxRhMlg> (Ron Howard, Asilomar State Beach, CA, USA)

INDONESIA. 3344.91, RRI Ternate, random listening from 1223 to 1323, June 4. In Bahasa Indonesia; briefly // 4869.96 RRI Wamena with song played at end of the Jakarta News relay; into local program of EZL pop songs; poor to almost fair (Ron Howard, Asilomar State Beach, CA, USA)

KOREA. Voice of Korea operates 3250kHz and 3560kHz again from Jun. 6. I was able to receive DRM on 3560kHz at 1400 in Korean, 1500 in Arabic. de Hiroshi. Probably this transmitter will be a new transmitter of China.

(S.Hasegawa via DXLD)

KOREA NORTH [non]. 6135, Shiokaze/Sea Breeze via Yamata, 1357 and 1405, June 1 (Friday). Ex: 5985; in English with light jamming (Ron Howard, Asilomar State Beach, CA, USA)

MALAYSIA. 11665, Wai FM via RTM, 1308-1345, June 1. Good reception with no CNR1 jamming; in vernacular; phoned in report; pop songs; promo for types of songs played on Wai FM ("lagu rock", etc.); two men and a woman chatting over background music. MP3 audio clip at <https://www.box.com/s/9adc6e889316c3994235> (Ron Howard, Asilomar State Beach, CA, USA)

MYANMAR. 7110, Thazin Radio, 1212-1310 + 1348, June 3. Seemed to be a ham (Japanese?) attempting to single-handedly block Thazin Radio; transmitted fairly regularly for over one and a half hours; in LSB making noises, saying “1-2-3” and with sound affects; briefly joined by another ham “testing” also on 7110. <https://www.box.com/s/ba411b6dff9936f3138c> contains edited MP3 audio clip of the ham jamming Myanmar. No ham heard during Thazin Radio's English portion from 1430 to 1501*, with cultural segment from 1443 to 1447 (Ron Howard, Asilomar State Beach, CA, USA)

MYANMAR/BURMA. 7185.87, Myanmar Radio. An unusual development here! For several years I have reported this frequency as a spur of 7200.1, due to the fact it always had a very weak signal compared to 7200.1 and was always definitely //.

Not so on June 8. Today seemed a much better signal than the spur heard in the past. From 1209 to 1235 definitely // 5985.84. Therefore speaking just for today's reception, I believe it must follow that 7185.87 was actually a separate Myanmar Radio transmitter and not a spur.

What was even stranger was that by 1235 I started to hear a very weak secondary audio which was clearly // 7200.1, underneath the primary/ predominant audio. So there were two audios: a primary/predominant audio // 5985.84 and a secondary much weaker audio // 7200.1. Fair reception on 7200.1 and certainly was broadcasting their normal single audio, so was not a spur from there.

Appreciate hearing any feedback anyone has regarding this unique development (Ron Howard, Asilomar State Beach, CA, USA)

MALAYSIA. 7295, Traxx FM, 1326-1333, June 4. As Mauno, et al. have also been observing, this has been having an erratic schedule. Several station promos; ID: “Traxx FM Travel n' Music, 90.7”; DJ Kim Robson with UK music chart show; PSA. MP3 audio at <https://www.box.com/s/34c2b0386f3f3773d6ec> with almost good reception (Ron Howard, Asilomar State Beach, CA, USA)

PAPUA NEW GUINEA. 3325, NBC Bougainville (presumed), 1254-1302, June 4. New schedule? Ex: 1200*. Heard under RRI Palangkaraya which at 1300 played the “RRI Palangkaraya” station song. Just before their song heard some music which I presume was NBC and just after the theme song heard a few words spoken that seemed to be in English; was unable to hear NBC during a later RRI silent period at 1307. So possibly signing off after 1300? Needs more monitoring to tell what their schedule is now! MP3 audio of the “RRI Palangkaraya” station song with bits of NBC coming through underneath <https://www.box.com/s/7a48927da151aa9e392d> .

Thanks to Harold Sellers (British Columbia) log in dxldyg for the reminder about checking this!

3325, NBC Bougainville (presumed), 1245-1304, June 7. Indeed seems to be a new schedule; ex: 1200*. Reception stronger and more prominently heard than on the 5th; C&W songs underneath RRI Palangkaraya which fortunately was just OM & YL chatting the whole time; BTW – RRI again played “Garuda Pancasila” after the Jakarta News rely today. Lost about 1303 or 1304, so possibly signed off then?
(Ron Howard, Asilomar State Beach, CA, USA)

PAPUA NEW GUINEA. 3275, NBC Southern Highlands (presumed), briefly noted in passing at 1309 on June 7 with patriotic slogan in English for “One Nation”. (Ron Howard, Asilomar State Beach, CA, USA)

PAPUA NEW GUINEA 3915, Radio Fly, 1310-1348, June 7. Instrumental music and EZL pop songs (Crosby, Stills, Nash and Young with “Teach Your Children Well”, etc.); QRN; QRM from 3912, so best in USB; poor, but better than normal and decent for 1 KW; “Radio Fly” ID heard.

Have been hearing this almost daily during this time period, but often I cannot make out an ID, so today was nice (Ron Howard, Asilomar State Beach, CA, USA)

Other radio news

Atlantic 2000

30 years ago, on Sunday 6th June 1982, Atlantic 2000 international was transmitting for the first time on shortwave. Don't miss our special 30th anniversary show this Sunday 10th June at 08:00 UTC on 6005 and 9480 kHz, and also at the same time on our website.

All correct reception report will be confirmed with our special QSL card.

Visit our website : <http://radioatlantic2000.free.fr>

(Claes Olsson via NORDX)



Packing away the clothes, books, papers and trinkets I wouldn't be needing in South America, I found a mixtape of my own design, from the early 90s. I had made the mixtape from the radio, vigilantly sitting in front of my boombox to press stop and record in order to get the least amount of radio talk in between the songs I wanted. It was a common practice among my friends. How else were we going to obtain all the latest hits with our elementary school budgets?

In my experience, the radio has been a source of music, news, and with more frequency, advertisement. It provides entertainment for those monotonous drives to work. However, I would argue that, in North America, the Internet and television have overshadowed the disc jockies and smooth voiced reporters of the radio dial.

During my months in Bolivia, my thoughts have returned to that mixtape. The radio is extremely popular here, disseminating news and all different genres of music across Bolivia. Riding the bus, at work, or blaring out of a speaker in the streets of El Alto, one hears the radio constantly.



Many factors contribute to the popularity of Bolivian radio. It is cheap to buy a radio and it is portable. Those living in rural areas of Bolivia can tune in while working outside. Furthermore, it is relatively inexpensive to produce or manage a radio frequency. In contrast to television, the equipment is far less expensive and it is easy to broadcast, as demonstrated by the many pirated radio frequencies in Bolivian cities such as El Alto. Some of these are controlled by youth.

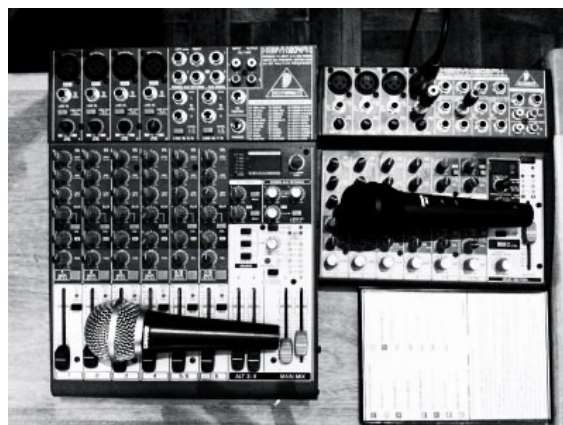
Although there are state run and commercial radio stations, community radio or *radio comunitarias*, are perhaps most interesting. These stations have a rich history of community and cultural promotion and political resistance to repressive regimes. They are the heart of a community, (re)producing cultural, political and educational knowledge at the local level, linking community members and

providing a voice for people without access to more formalized institutions of learning and avenues for social engagement.

Many of these community stations are run for and by the people of the pueblo. In some cases, the station is financed by a small fee charged on residents' electricity bills giving the whole town ownership. Another inspiring idea. In rural areas, these radio stations are the way people communicate, sharing their news, knowledge, interests, concerns and even sometimes, notifying Don Quispe that one of his cows has escaped AGAIN and could he please send his son to collect the four legged beast, not to mention, FIX HIS FENCE!

Some development organizations have put the popularity of Bolivian radio to effective use, launching educational campaigns, mostly in the areas of health and agricultural improvement. CDEA (Centro de Desarrollo para la Educacion Alternativa), the organization I currently work with, has also produced educational segments for listeners in El Alto.

Presently, they are embarking on a new radio project with local Alteño (of El Alto) youth interested in radio production. Ten radio segments will be produced, based on StreetKids' Business Toolkit. As well, the youth will be sharing their own experiences in relation to business knowledge and development. The intent is to reach a wider audience of youth listeners, sparking their interest in business and increasing their capacity and opportunities to earn a stable income. It is an exciting project and I will be sure to provide updates as it progresses!



(From <http://whatsupstreetkids.org/2012/06/tuning-the-dial-community-radio-in-bolivia/>)

Motala långvågssändare

Liten video om Motala långvågssändare
<http://vimeo.com/43455940>

(Hej från Lennart Deimert via NORDX)

Reportage från DX-Parlamentet i Delsbo 1-3 juni 2012

Läs reportaget av Claes CON Olsson från DX-Parlamentet i Delsbo 1-3 juni 2012.

Se <http://ndl-dx.se/>

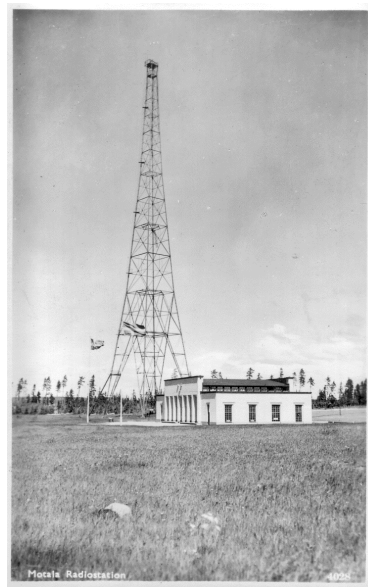
(Via NORDX)

Incredible Sunspot 1429

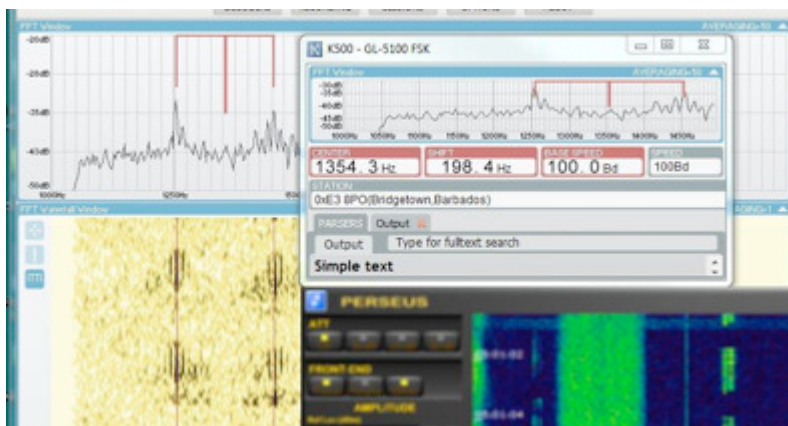
In this video Rebekah Evans of the NASA Space Weather Center reports on sunspot 1429

http://www.southgatearc.org/news/june2012/incredible_sunspot_1429.htm

(Mike Terry via DXLD)



Utility DXing - A Primer



Beside ham radio and broadcast, many more stations can be found on shortwave: maritime, aero, NGOs and Ministries of Foreign Affairs are among these, which high sunspot figures do reveal up to 30 MHz. Most of them are transmitting in digital modes, many of them can be received and read with the help of software decoders.

The 50-page iBook „Utility DXing – A Primer“ delivers a multimedial introduction into this fascinating world.

It shows how to receive these often only short-timed transmissions, how to recognize their mode and how to decode it. Focusing on

professional and brand new decoder Krypto500, the iBook shows hands-on examples on how to receive and decode professional communications from New Caledonia to Iraq, from Barbados to South Africa.

The iBook combines this introduction with a comparison, showing the performance of some decoders ranging from „free of charge“ to 10.000 US-\$, like Wavecom’s W-Code, Rohde & Schwarz’ GX430 and Hoka’s Code3-32P.

The comparisons had been done at carefully chosen live examples with modes like STANAG4285 and GW-FSK.

Performance is mostly shown by a video, allowing for directly revealing the decoding power of decoders at absolutely the same signals in parallel.

Being an unique blend of introduction into the interesting field of shortwave listening and a detailed test, the book comes in two versions:

the multimedial iBook will give you full access to videos, photo galleries and interactive graphics on an iPad.

If you don’t have one, you can download the PDF version of this book with many screenshots, but lacking multimedia content.

Download for both version is free of charge - links see on the sidebar at the right. Go to the website for download:

http://web.me.com/nils.schiffhauer/Website/Monitoring/Eintr%C3%A4ge/2012/2/11_Utility_makes_Waves.html

(By Nils Schiffhauer, DK8OK)

Echelon-Log Beverages

Enhanced F/B Beverages

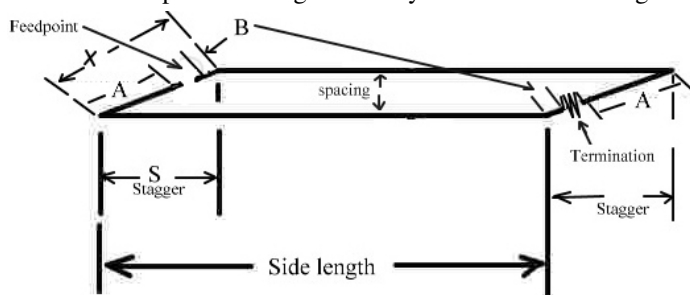
Two Beverages are paralleled a short distance apart, and stepped one in front of the other, can be phased to remove unwanted rearward response. This really just amounts to end-fire phasing two antennas. It is effective with long antennas, and also increases F/B ratio (and directivity) with very short beverages (even those approaching 1/2 wl).

Many or most previously published systems use frequency-selective phasing systems. With such systems, operation on more than one band requires switching systems and many components. "Conventional thinking" will make the system more complex than needed, and actually provide less performance! This is unfortunate, because it is possible to design a simple phasing system with almost no components that will cover octaves of bandwidth...no switching required!!

The two basic schemes I've used are very simple. One system is totally independent of grounds at either antenna end, the other system requires grounds but is more forgiving of dimensional errors in construction. I've described a model of a loaded Beverage, for those who would like to experiment with a small-space Beverage at Slinky and Loaded Beverages.

* W8JI Parallelogram Array

Although it looks like a large horizontal loop, this antenna actually is two ground-connection-independent end-fire staggered (or stepped) Beverages. The short end wires form two single-wire feedlines at each end. One end-wire is series terminated with exactly twice the resistance of a normal Beverage, while the short wire at the opposite end is the feedpoint.



* Crossfire-Echelon Beverage

This antenna is another frequency-independent antenna. It requires no band switching to work multiple bands. Because it uses cross fire phasing, rather than conventional phasing or hybrids, one phasing and delay line system covers several octaves of bandwidth.

(Read the full story at http://www.w8ji.com/echelon-log_beverages.htm)

W8JI Parallelogram-antenn

Inför sommarens antenntprojekt, hittade jag en beskrivning av denna antenn i ON4UN's "Low-Band DXing". Jag var på jakt efter en Bävvariant med bättre F/B och också helst en variant där man inte behöver använda en Phaser, vilket man måste om man kör med två parallella Bävvar med lämpligt avstånd mellan trådarna. En annan fördel med Parallelogram-antennen är att den inte behöver jord! I mitt fall, med QTH på en tallhed med bara ett tunt jordlager och sand under, är jordningen ett problem och jag har, för min 500m Bäver, förutom ett par jordspett, också lagt ut 5m långa radialer i mottagaränden och skall göra samma sak i den bortre änden också.

För att få en aning om hur Parallelogram-antennen fungerar över MV, så har jag kört en del simuleringar i EZNEC, Variablerna är: Längd på sidorna, avstånd mellan trådarna, stagger (förskjutning i längdled mellan trådarna) samt placering av matning/ändmotstånd. Inte helt oväntat så är längden på sidorna avgörande för förstärkningen, speciellt på de lägre frekvenserna. Avståndet mellan trådarna var dock inte alls kritiskt! Jag testade med avstånd mellan 2 och 30m, men skillnaden är ganska marginell. I artikeln i boken fick jag intrycket att placeringen av matning/motstånd var kritiskt men jag tycker inte att jag kunnat bekräfta detta. Jag varierade placeringen mellan 99/1% (dvs matningen ligger 99% från en ände och motståndet ligger 1% från motsatta änden) och 70/30%.

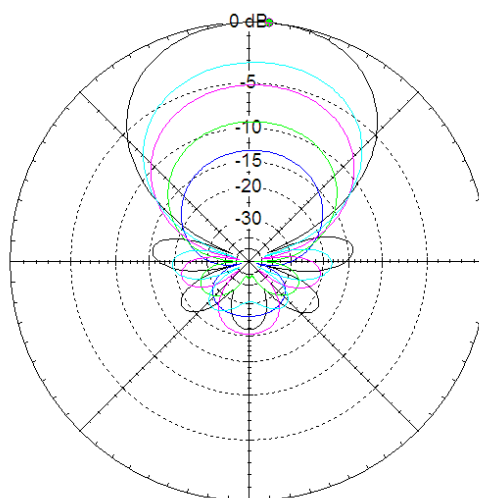
Efter en hel del trixande så kom jag fram till följande:

- Längden på sidorna 300m, - Avstånd mellan trådarna 5m, - Stagger 33m, - Placering av matning/motstånd 99% resp 1%

Resultatet blev:

Den yttre ringen motsvarar ett gain på -4,9 dBi. Man kan konstatera att förstärkningen sjunker rejält mellan 1600 och 800 kHz (ca 14dB)! Dessutom blir F/B sämre vid lägre frekvens. Med matning/motstånd placerade 70/30% från resp. ändor, blev diagrammet ganska lik ovanstående, men med ca 2-3 dB lägre gain – inte någon dramatisk förändring!

Total Field
0.8 MHz
1 MHz
1.2 MHz
1.4 MHz
* 1.6 MHz



EZNEC

Jag är inte klar ännu med exakt hur jag ska

dimensionera antennen, men det här är var jag står just nu. Vad som känns sympatiskt med denna antenn är att den är oberoende av jord och att man slipper använda Phaser. Jag hade väntat mig något bättre F/B över hela MV men kanske mina förväntningar kanske var för höga? Eller det kanske inte är så dåligt ändå? En praktisk test kommer väl att visa hur bra den är jämfört med min 500m "standardbäver"!

(Arne Nilsson)