

# SHORTWAVE BULLETIN

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Så är det återigen svensk normaltids och det känns väl ganska så bra. Rapporterna från de flesta tyder på att speciellt MV gått i stå. Det är ett bra tag sedan det kom positiva signaler om bättre loggningar.

Kollade för en stund sedan och fortfarande vid 09 SNT gick en drös östkustare på MV. Däremot på KV har de flesta LA signalerna varit ganska svaga. Trots det så är tipsspaltan nästan större än någonsin.

I detta nummer finns också en hel del information som rör nyheter på SDR-sidan. Det ser ut som den nya AOR7070 kommer att få en hård match att klara sig trots synnerligen goda egenskaper. Nya SDR mottagare är på gång och RF-Space kommer snart med sin NetSDR som kan bli riktigt populär och dessutom till ett hyggligt pris.

Det är bara att läsa och begrunda!

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://homepage.sverige.net/~a-0901/password.htm>  
Solar cycle progression: <http://www.swpc.noaa.gov/SolarCycle/>

## QSL, kommentarer, mm.

**Henrik Klemetz:** Jag tycker inte om elstörningar på mellan- och kortvåg. Så ibland har jag fått ta på mig min regnjacka från Radio Prag för att gå ut och lyssna på specialprogram, till exempel ARC:s program från Morokulien (1584), program från Arcángel San Gabriel (15476) eller från Scandinavian Weekend Radio (11720 och 6170) eller Voice of Mongolia 12085. Jag har fått hushålla med utflykterna en aning så att jag inte råkar ut för förkylningar i det regniga Borås-vädret.

Men nu har jag utan att gå ut ändå fått en släng av något slags DX-virus. Det verkar vara en mutation av mellanvågskaraktär. Jag har lyckats identifiera tre smittohärdar.

- 1) Det droppar ständigt in doser av smittoämnet via email. Det är lyssnare som skickar in sina OID för bedömning.
- 2) Men så kom en försändelse via posten från välmenande själ i väster. Han skickade mig en DVD med 7 minuters Perseus-inspelning av hela mellanvågsbandet (520-1700) under en DX-natt.
- 3) En annan välmenande själ i öster har gett mig möjlighet att fjärrstyra hans mottagare online, och det har jag passat på att göra under ett par Japan-toppar på mellanvåg. På hans mottagare kan jag förstås också lyssna på kortvåg.

Det var spiken i kistan! Så nu är det "förkylt" även inomhus.

Eftersom jag är "i riskzonen" - det var ju 50 år sedan jag brukade lyssna på japaner på mellanvåg - har jag tagit en influensaspruta på vårdcentralen. Få se om det hjälper.

*(Henrik, det är nog de flesta av oss som skulle behöva en sådan vaccination, åtminstone enligt vår äkta hälft... TN)*

**Giampiero Bernardini:** Dear Thomas, I was in Bocca di Magra with Dario Monferini for BOC 21 DX camp. Here some tips on SW. RX used were Perseus and SDR-IQ with a Wellbrook LFL 1010 loop antenna. Ciao.

**Magnus Wiberg:** Hej! Jag tackar för ny utgåva.

Ska försöka få antennen ut på fältet denna vecka. Skulle ha gjorts förra helgen men då blev det tur till Polen. Karlskrona-Gdynia kan f.ö verkligen rekommenderas.

Det börjar f.ö dra ihop sig för sist sucken från Radio Sweden på kortvåg (och mellanvåg). Under ett antal år (90-talet och en bit in på 2000-talet) ansvarade jag för frekvensplaneringen av dessa sändningar.

Till de mest roliga sakerna som jag var med om var när vi fick till sändningstidsutbyte med RCI samt senare RNW.

Överföringen av program till Kanada och Nederländerna fixades under ett par år med FM-tuner i STH som tog ekot RS på FM bandet, rätt program spelades in som en wav fil. Sedan kördes en ljudkomprimerings software till mp3-format och filen ftp-ades sedan till lämplig adress.

Det funkade (och kostade noll), speciellt 15 minuts nyhetssändningar mitt på dagen var dock tigha.

På så sätt kunde vi skippa många sändningar med 500 kW (gick med 100-250 kW från

utbytessiterna) och i utbyte körde vi program mot Mellanöstern/Kina/ Europa med max 350 kW. Multiplicerar man effektbesparingen per sändning med antalet dagar blev det många kära kW (och slantar).

Andra minnesvärda episoder är när vi under i stort sätt en säsong blev jammade av Vietnamn, detta på våra sändningar på svenska till Asien.

Antagligen fattade aldrig riktigt Vietnameserna hur det ganska komplicerade delandet av aktuell frekvens som vi hade med FEBC (vilka bland annat körde program på Hmong) fungerade. Det blev bättre efter hand (och en del officiella/inofficiella kontakter) men aldrig riktigt bra.

Sedan hade vi även en rejäl duvning med Christian Voice när de körde igång från Botswana på 6065 kHz.

En annan sak som jag nog ska ta åt mig äran för är de extra sändningar av bandyfinalen som vi körde under ett antal år. En vild idé från början men som till min stora glädje resulterade överraskande många feed backs från utlandssvenskar (även en och annan övrig som undrade avd bandy var för något-...)

Några rader ur minnet så att säga..

Det trista är de allt mer trista program som kördes ut, nu är det väl nästan bara klipp från P1.

Jag undrar med viss bävan om det blir något specialprogram under sista dagen.

Sedan finns det ett och annat minne/dokument i samband med tsunamin och de extra sändningar vi körde. Liknande i samband med Bali samt Libanoninvasionen.

Låt mig sammanfatta det så här, folket på UD har haft en ganska stor förbättringspotential men det blev bättre efter hand.

*(Magnus, intressanta kommentarer om hur det går till i de stängda korridorerna. Men en stor del av världen har fortfarande inte något utbyggt Internet och långt mindre ström under hela dygnet och här kommer man att få problem med öppen information efterhand som fler och fler oberoende stationer stänger ner KV. TN)*

**Christer Brunström: Radio Pakistan 15100 & 17720** kort från det nya högkvarteret i Islamabad. **China Radio International 17490** QSL-kort föreställande den koreanska etniska minoriteten samt ett bokmärke med motiv från Kinesiska muren.

**Kurt Norlin:** Här kommer ett litet bidrag från norr. DX-ingen ligger på en låg nivå eftersom ingen expedition till Parkalompolo är inplanerad denna säsong. Det blir mest lite Clandestine-DX och det ger inga QSL, åtminstone för mig. Jag får hoppas att jag kan åka någon helg under november till SJ2W:s contest-QTH utanför Burträsk. Det är en hyfsad ersättning för Parka.

Följande KV-QSL har kommit sedan sist: **Radio Shabelle, 6960**, e-post. **Radio St Helena, 11092.5**, kort för rpt på 2009:års sändning. **Radio Free Asia via Saipan 12075**, kort, sticker, schema. **Radio Free Asia – Medorn (Palau) 9905** kort. **Rhein-Main-Radio-Club via Sitkunai, 9770**, kort. **Radio Pridnestrovie PMR, 6240**, e-post med e-QSL-bilaga.

Jag var förresten in på stationen i Grimeton under sommarens semesterresa och fick en personlig guidning. Guiden visste dock inget om Kjell Bengtssons fantastiska donation.

Jag hade inte vägarna förbi hos Kjell denna gång men har tidigare sett de flesta av hans mottagare, fränsett hans senaste inköp.

Du gör förresten ett beundransvärt arbete med SWB. *(Tack! /TN)*

**Tarmo Kontro:** QTH: Kungsböle, Lovisa. Perseus, SDRs: IQ and 14. BOG 300 m @40 degr; longwire 120 m@320 degr.

*(Nice to see you also sometimes check SW. I use to follow your blog with all your nice MW loggings. See <http://kingsvillagedx.blogspot.com/> /TN)*

**Jan Edh:** jag var ute i Fredriksfors och lyssnade i natt (30/10). Enligt alla "tecken" skulle det vara kanonförhållanden, men det fanns knappt några användbara signaler. En riktig flopp. Får glädja mig åt ett QSL, **WTWW Lebanon, TN 9480 och 5755**. Email med qsl-kort som pdf. V/s George McClintock, President and Manager.

*(Hade också igång Perseus lördag morgon för en liten inspelning, men lika kass här. Men, det gick faktiskt några östkustare så sent som 1000 SNT. TN)*

**WTWW**

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George McClintock, President of WTWW,  
in front of the 100,000 watt shortwave transmitter  
Transmitter Location; Lebanon, Tennessee, USA

2368.483	18.10	1700	<b>R Symban</b> Sydney. On Oct 18th very good signal S9+10db. When compared on Oct 28th with NRD515 vs Perseus: NRD515 almost readable while Perseus poor with more noise. The sensitivity and s/n with the old NRD515 really better (It was used for the first time for about a year when we tested it with a fellow DXer who actually bought it right after the test!) TK
3230	10.10	1905	<b>WYFR Family Radio</b> , Meyerton, S.Africa. talks, English. Poor (Boc 21 Bernardini & Monferini)
3255	10.10	1909	<b>BBC WS</b> , Meyerton, S. Africa, reports, English, fair (Boc 21 Bernardini & Monferini)
3290			<b>GBC 0935</b> Minister talking on "Christian Beliefs" 14 Oct. [Wilkner]
3320	10.10	1914	<b>Radio Sonder Grense</b> , Meyerton, S. Africa, talks, poor (Boc 21 Bernardini & Monferini)
3329.53			<b>Ondas del Huallaga</b> , Huánuco 1035 om " Buenas Dias..." long talk by om, under t-storm 25 October [Wilkner]
3480	10.10	1917	<b>Voice of the People</b> , Clandestine, via S. Korea. In Korean, talks, fair //3912 (Boc 21 Bernardini & Monferini)
4004.38	10.10	1928	<b>Vatican Radio</b> , news, signal modulated on upper side band only. Start French program. (Boc 21 Bernardini & Monferini)
4026	10.10	1930	<b>Laser Hot Hits</b> , Pirate, music, weak (Boc 21 Bernardini & Monferini)
4052.455	28.10	-	<b>R Verdad</b> , now seemingly new 500 W tx on. OK signal, a bit low modulated from the mic, music ok. TK
4055			<b>Radio Verdad</b> 2335 choir music and hymns 19 October [Wilkner]
4319u			<b>Diego Garcia</b> . 4319 travel impressions of Haiti 2330 on 19 October [Wilkner]
4409.8			<b>Radio Eco</b> , Reyes 2300 to 0000 24 October [Wilkner]
4451.2			<b>Radio Santa Ana</b> , Santa Ana de Yacuma sign off at 0003 on 22 October [Wilkner]
4765	10.10	1935	<b>Radio Tajikistan</b> , slow music, talks, fair, fading (Boc 21 Bernardini & Monferini)
4771,491			<b>UNID</b> 1000 to 1020 on 14 October [Wilkner]
4774.9			<b>Radio Tarma</b> . Tarma 0950 "musica en Radio Tarma" followed by time check 1010 on 14 October, Rustic Peruvian Music 1025 om 15 October [Wilkner]
4780	11.10	1900	<b>RTV Djibouti</b> , news, fair, better in LSB (Boc 21 Bernardini & Monferini)
4831	22.10	2035	<b>Russian</b> religious, mixing product, good signal (Bernardini)
4845	10.10	1938	<b>Radio Mauritanie</b> NOT on air (Boc 21 Bernardini & Monferini)
4845.24	12.10	2153	<b>Radio Cultura</b> , Manaus, Brazil, music, weak, very early this night (Boc 21 Bernardini & Monferini)
4885	30.10	0234	<b>Radio Clube do Parà</b> , Brazil, songs, many ids, talks, good: easy listening (Bernardini)
4920			<b>Xizang PBS</b> , Lhasa, Tibet 1120 to 1130, // 5240 and 4905[with rtty on top] 18 October [Wilkner]
4930	10.10	1939	<b>VOA</b> , Selebi-Phikwe, Botswana, reports in English, good //4940 (Boc 21 Bernardini & Monferini)
4940	10.10	1941	<b>VOA</b> , Pinheira, Sao Tome, reports in English, very good //4930 (Boc 21 Bernardini & Monferini)
4949,76	10.10	1942	<b>Radio Nacional Angola</b> , Mulenvos, weak-fair, talks (Boc 21 Bernardini & Monferini)
4965	10.10	1945	<b>CVC</b> , Christian Voice, Zambia, religious conversation, fair (in LSB to avoid utility) (Boc 21 Bernardini & Monferini)
4976	10.10	1948	<b>UBC</b> , Uganda, talks, English, good, (no QRM from 4975 now off) (Boc 21 Bernardini & Monferini)
5010	12.10	1742	<b>Radio Madagasikara</b> , Madagascar, Afro songs, fair (Boc 21 Bernardini & Monferini)
5040	24.10	2312	<b>Radio Habana</b> , Cuba, program in English, DXer unlimited program, good (Bernardini)
5045	30.10	0225	<b>Radio Cultura</b> , Brazil, nice Brazilian songs, weak (Bernardini)
5050	10.10	1950	<b>WWRB</b> , Morrison, TN, USA religious, songs, English. Weak. Not reported by EIBI at this time. (Boc 21 Bernardini & Monferini)
5459.8			<b>Radio Bolivar</b> Cd. Bolivar A cappella music into rustic Peruvian music 2340 to 0000, 19 October [Wilkner]
5755	28.10	0022	<b>WTWW</b> , USA, conversation about religious in English, fair-good (Bernardini)
5830	10.10	2000	<b>Radio Farda</b> , Sulaiibiyah, Kuwait, reports and many ids, good (Boc 21 Bernardini & Monferini)
5910	28.10	0018	<b>Marfil Estereo</b> , Colombia, nice songs, fair (Bernardini)
5935	28.10	0014	<b>WWCR</b> , USA, usual long talks in English about the Bible, fair (Bernardini)
5939,92	30.10	0014	<b>Voz Misionaria</b> , Brazil, talks, ids, address, music, fair (Bernardini)

5950	12.10	1843	<b>Voice of Tigray Revolution</b> , Ethiopia, Horn of Africa music, talks, fair (Boc 21 Bernardini & Monferini)
5952,48	28.10	0008	<b>Emisora Pio XII</b> , Bolivia, politics, good modulation, weak (Bernardini)
5954,16	27.10	2346	<b>Radio Republica</b> , ELCOR tx, Costa Rica, talks, id 2357, not //9490 weak (Bernardini)
5964,92	12.10	1735	<b>RTM Klasik</b> (presumed), Malaysia, music, poor, strong QRM. (Boc 21 Bernardini & Monferini)
5985,7	30.10	0007	<b>Myanma Radio</b> , Burma, slow songs, talks by woman, weak (Bernardini)
5990	22.10	-2105*	<b>Radio Senado</b> , Brazil, music, news, signal off 2105 (Bernardini)
6030	12.10	1815	<b>Radio Oromiya</b> , Ethiopia, Horn Africa Music, songs, few talks, fair/good (Boc 21 Bernardini & Monferini)
6035	12.10	1701	<b>Radio Japan</b> , Yamata-Tokyo, reports Japanese, fair/good (Boc 21 Bernardini & Monferini)
6040	12.10	1704	<b>Belaruskoye Radio</b> , talks, songs, in Belarussian, //6070 strong QRM from VOA (tx Germany) to Iran (Boc 21 Bernardini & Monferini)
6050	30.10	0238	<b>HCJB</b> , Equador, conversation about Bible in Spanis, fair (Bernardini)
6060	28.10	0030	<b>Radio Habana</b> , Cuba, international reports & sport in Spanish //6000 & 6110 fair (Bernardini)
6060	24.10	2325	<b>Radio Nacional Argentina</b> , sport goooooool, // 15344,7 poor/weak QRM from REE in French on 6055 (Bernardini)
6080	11.10	1950	<b>Radio Australia</b> , Shepparton, in English, talks about children and family. Good, some QRM (Boc 21 Bernardini & Monferini)
6085	11.10	2052	<b>Radio Japan</b> , in Japanese, talks, fair/good (Boc 21 Bernardini & Monferini)
6100	11.10	1947	<b>Int. Radio Serbia</b> , via Bijeljina Bosnia, in Serbian, reports. Very good (Boc 21 Bernardini & Monferini)
6110	12.10	1830	<b>Radio Fana</b> , Ethiopia, id on 1830 and news read by man, songs. fair (Boc 21 Bernardini & Monferini)
6134,79	28.10		<b>Radio Santa Cruz</b> , Bolivia, sport live, weak but clear (Bernardini)
6135	11.10	1945	<b>Polskie Radio</b> , DRM, in German, S=9, sometimes no audio. (Boc 21 Bernardini & Monferini)
6135,02	30.10	0045	<b>Radio Aparecida</b> , Brazil, religious talks, prayers, fair (Bernardini)
6165	26.10	2119	<b>R. National Tchadienne</b> , Chad, very nice long african songs, some talks in French, good (Bernardini)
6170	11.10	1939	<b>VOA</b> , Pinheira, Sao Tome, in French, reports, fair (Boc 21 Bernardini & Monferini)
6225	11.10	1936	<b>RTE</b> , Meyerton, S. Africa. In English, talks, good signal but some QRM from utility. (Boc 21 Bernardini & Monferini)
6240	12.10	1836	<b>Radio PMR</b> , Moldavia, via Grigoriopol, English reports, good (Boc 21 Bernardini & Monferini)
6240	15.10	1700	<b>Radio PMR</b> Pridnestrovie gick fint här. KN
6250,32	11.10	2115	<b>PBS</b> , North Korea, chorus songs, fair (Boc 21 Bernardini & Monferini)
6297	26.10	2112	<b>National Radio of RASD</b> , via Algeria, speech to people in Arabic, very good signal and modulation (Bernardini)
6959,82	12.10	1756	<b>Pirate</b> , pop songs, id at 1801 weak with fading (Boc 21 Bernardini & Monferini)
6973	30.10	0100	<b>Galei Zahal</b> , Israel, still off air (Bernardini)
7165	12.10	1808	<b>Voice of Eritrea</b> (from Ethiopia) and Voice of Broad Masses (from Eritrea) mixed. One talks, the other songs. Just jamming each other. Strong signals. (Boc 21 Bernardini & Monferini)
7175	11.10	1910	<b>Voice of Broad Masses</b> , Eritrea, talks, good (Boc 21 Bernardini & Monferini)
7200	11.10	1915	<b>Sudan RTVC</b> , Arabic, traditional songs, phone talks. Fair (Boc 21 Bernardini & Monferini)
7280	11.10	1920	<b>Voice of Vietnam</b> , Hanoi Sontay, in English, tlaks about Vietnamese life. Good (Boc 21 Bernardini & Monferini)
7295	12.10	1715	<b>Traxx FM</b> , Malaysia, songs, weak (Boc 21 Bernardini & Monferini)
7425	11.10	1923	<b>Radio Nederland Wereld</b> , Talata-Volondry, Madagascar. In English, talks, songs. Good (Boc 21 Bernardini & Monferini)
7450	11.10	1926	<b>ERT3 Makedonias</b> , Greece. Nice Greek Music. Very good (Boc 21 Bernardini & Monferini)
7540	11.10	1929	<b>Denge Mezopotamya</b> , Clandestine via Ukraine to Kurdistan. Long talks. Good (Boc 21 Bernardini & Monferini)
7570	11.10	1932	<b>Radio Thailand</b> , Udon Thani, in English. Economic talks. Very good (Boc 21 Bernardini & Monferini)
7620	11.10	1934	<b>China National Radio</b> , talks in Chinese. Reported CNR5 in Beijing. Fair (Boc 21 Bernardini & Monferini)
9330	12.10	1850	<b>Radio Damascus</b> , Syria, talks in German, good signal but low modulation (Boc 21 Bernardini & Monferini)

9405	24.10	2300	<b>FEBC</b> , Manila, Philippines, music, long talks in Mandarin, good (Bernardini)
9490	27.10	2340	<b>Radio Republica</b> , Clandestine via Canada, Cuban politics, good (Bernardini)
9526	1810	13/10	<b>V of Indonesia in German</b> (woman speaker) fair signal, clear modulation, QRM from 9520 kHz sometimes Radio Liberty tx in Germany (Boc 21 Bernardini & Monferini)
9564,92	30.10	0220	<b>Radio Super Deus è Amor</b> , Brazil, usual long sermon, fair (Bernardini)
9580	11.10	1955	<b>Africa N.1</b> , Gabon, talks in French, songs, good (Boc 21 Bernardini & Monferini)
9645,35	30.10	0000	<b>Radio Bandeirantes</b> , Brazil, talks, poor QRM from Chine (Bernardini)
9665	19.10	1530	<b>Voice of Mongolia</b> inledde sändningen på engelska. Störd! 2-3 CB
9674,8v	24.10	2248	<b>Unid</b> , too low mod. QRM from China R. Int. on 9675. Is R del Pacifico on air? No Cancao Nova. (Bernardini)
9675	30.10	0210	<b>Cancao Nova</b> , Brazil, religious talks and songs, heard again after some time fair/good (Bernardini)
9705	11.10	2020	<b>La Voix du Sahel</b> , Niger, songs, weak-fair, fading (Boc 21 Bernardini & Monferini)
9705	25.10	1806	<b>Radio Romania</b> DRM, not reported by Eibi at this time, low signal, no audio, only text SNR Tiganesti E2 (Bernardini)
9720	24.10	2305	<b>Radio Veritas</b> , Philippines, slow music and talks (reported Tagalog), good (Bernardini)
9765	31.10	0700	<b>Radio New Zealand International</b> åter hörbar. 2-3 CB
9770	9.10	1530	<b>Rhein-Main-Radio-Club</b> hade stora problem med kinesen och var tidvis bortstörd hos mig.
9800	25.10	1814	<b>Radio Canada International</b> DRM, no audio, text: RCI (Bernardini)
9815	13.10	-1830*	<b>Afia Darfur</b> AA reports mentioning many times Darfur IMG REC 1829 song mentioning Darfur and off good (Boc 21 Bernardini & Monferini)
9905	18.10	1600	<b>Radio Free Asia</b> hyfsat med program på cantonesiska. KN
9930	19.10	1630	<b>Radio Bar-Kulan</b> gick fint här. Id-ade ofta. KN
9950	25.10	1810	<b>AIR</b> DRM, India, audio only some times, music, txt: HPT AIR KHAMPUR (Bernardini)
10000			<b>Observatorio Nacional</b> , Brazil, usual pips and ids, weak (Bernardini)
11570			<b>Open Radio</b> for Nort Korea gick bra här. KN
11640	23.10	1300	<b>RMRC</b> - specialprogram via Litauen mot Asien. Programmet handlade om Radio St Helena Day och var på engelska. 2-4 CB
11670	24.10	2224	<b>Radio Nacional de Venezuela</b> , via Cuba, Spanish, songs, address for letters, fair (Bernardini)
11695	24.10	2229	<b>Radio Australia</b> , Shepparton, in Indonesian language, short talks like reports, fading, fair (Bernardini)
11710,66	28.10		<b>RAE</b> , Argentina, talks but very weak, QRM from Radio Veritas 11710 (Bernardini)
11725	11.10	1958	<b>IBRA Radio</b> , Clandestine via UK, Arabic, talks, songs, good (Boc 21 Bernardini & Monferini)
11725	11.10	2016	<b>Radio New Zealand Int.</b> , economics talks, fair, after IBRA signal off. (Boc 21 Bernardini & Monferini)
11765	24.10	2233	<b>Super Radio Deus è Amor</b> , Brazil, usual sermons, weak (Bernardini)
11875	24.10	2237	<b>Radio Australia</b> , via Koror, Palau, in English, songs, talks, weak (Bernardini)
11930	11.10	2012	<b>Radio Martí</b> , Clandestine via USA, talks in Spanish. Weak (Boc 21 Bernardini & Monferini)
11955	24.10	2241	<b>VOA</b> , via Mariana Isl. in English, interview, weak (Bernardini)
12080	11.10	2009	<b>VOA</b> , Pinheira, Sao Tome, reports in French, weak (Boc 21 Bernardini & Monferini)
13570	11.10	2006	<b>WINB</b> , Red Lion PA, USA, religious talks in English, weak/fair fading (Boc 21 Bernardini & Monferini)
15189,65	24.10	2110	<b>Radio Inconfidencia</b> , Brazil, football live, some "Inconfidencia" ids, weak but clear (Bernardini)
15265	24.10	2216	<b>Radio Japan</b> , via Bonaire, Netherland Antilles, talks, Japanese, fair (Bernardini)
15344,7	24.10	2207	<b>Radio Nacional</b> , Argentina, sport live, football championship, fair (Bernardini)
15370	24.10	2213	<b>Radio Habana</b> , Cuba, nice songs, weak-fair (Bernardini)
15450	23.10	1230	<b>Voice of Turkey</b> presenterade bl a en intervju med Dario Monferini på besök i Ankara. 4 CB
15520	24.10	2220	<b>WEWN</b> , USA, religious, holy Mass, very good (Bernardini)
15610	11.10	2002	<b>WEWN</b> , Vandiver AL, USA, in English, religious talks, fair (Boc 21 Bernardini & Monferini)
15640	25.10	1820	<b>DW</b> DRM, audio not continuous, in English, text: BC & DW (Bernardini)
15750			<b>Radio Bar-Kulan</b> gick någon minut före stängningen och efter att Rumänien, som tidigare dominerat, stängt sin sändning. KN

4990 **R. Apintie**, Paramaribo. October, 23 0445-0454 male in Dutch talks, Pop music, English romantic. Poor, 25222 (lob-B).  
3960, 4025 **Star Radio**. October, 23 0440, 0503 was silent, (lob-B).  
(Lúcio Otávio Bobrowiec - Embu SP Brasil. Forwarded with Permission by Robert Wilkner)

## Stationsnyheter

**ARGENTINA: 6060 R.Nacional**, General Pacheco, 2211-2223, 16 Oct'10, f/ball match report; 33431, co-ch. & adj. QRM; \ 15345.19 vy. good. (Carlos Gonçalves - POR)

**BRAZIL. 15189.62, Rádio Inconfidencia**, 2135-2159, Oct 28, Portuguese talk. Short music breaks. Poor to fair with some adjacent channel splatter. Covered by WYFR at their 2159 sign on. (Brian Alexander, PA)

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According to my own observations there are in fact two reception windows during the day here in the middle of Europe:  
- in the morning 0830-1030 UTC (free channel 0900-0930)  
- in the afternoon 1530-1730 UTC

The third reception window during which I heard Radio Inconfidencia very well was between 0445-0500 UTC (OCT 26, 2010) but it did not repeat on the next morning. It was a sort of an anomaly because at that time no reception should be possible from South America on 15MHz in OCT/NOV acc. to propagation curves. I was very pleased with that very short window with an excellent signal!

I am preparing an extensive material on Radio Inconfidencia incl. recordings for my blog:

<http://radio-dx-blog-kh.blogspot.com/>

(Karel Honzik, CZE via HCDX)

**CHAD: 6165 RD. Nationale Tchadienne**, Gredia, 2113-2133, 22 Oct'10, French, Afr. pops; 42431, QRM de R.Tirana in Albanian. (Carlos Gonçalves - POR)

**HONDURAS 3250, Radio Luz y Vida**, 1055, noted as het against Pyongyang B.S. (on 3250.05. Partial copy of Spanish man in LSB. Pretty rare to get any copy on this at my QTH. 15 October. (David Sharp, NSW Australia. via Robert Wilkner)

**KOREA, PDR 2349.72. KCBS Sariwon**, 1247, very weak carrier and almost no modulation, but strong enough to parallel with very strong Pyongyang (2850.022). Also noted at this time: 3350.05- Pyongsong, 3959.728- Kanggye, 3970.55- Wonsan, and 5700.044- weak 2nd harmonic of 2850.022. 15 October. (David Sharp, NSW Australia. via Robert Wilkner)

**MYANMAR 5985.858 MRTV**, 1128, noted as het against UnID on low side and presume Nay Pyi Taw site, due to unstable, warbly transmitter. Fair with local vocals and scant comments by announcer. Best in USB. 15 October. (David Sharp, NSW Australia. via Robert Wilkner)

**NEW ZEALAND: 6170 R.NZi**, Rangitaiki, 1518-1545, 17 Oct'10, English, coastal weather forecast, then into some feature on pets, dog blood donation; 35433.

**7440 ditto**, 1556-1610, 17 Oct'10, English, music, news aqt 1600; 23431, adj. QRM. This fq in the A10 scheduled never provided a decent signal here.

**13730 ditto**, 2105-2129, 17 Oct'10, English, news bulletin, sports news, French at 2115-2121 for the usual Pacific newscast followed by Pacific Correspondent; 25433, but increasingly noisier. (Carlos Gonçalves - POR)

**PERU 5486.54 Reina de la Selva**, 1042, presumed with huaynos, talk by a man. KO'ed by Over-the-Horizon radar at 1045. 15 October. (David Sharp, NSW Australia. Via Robert wilkner )

**SWEDEN [non]**. 6010, (pen)ultimate SW broadcast from R. Sweden, Oct 31 at 0128 nondescript fill music, but not VTC loop, 0130 IS and opening English by George Wood. Shortened week in review was first, so the rest could be the finale: from 0141:25 interview with boss about rationale for closing down SW and MW --- they are no longer important nor cost-effective.

0147 starts George Wood's 10-minute 7-decade retrospective of R. Sweden on SW, including The Saturday Show and Sweden Calling DXers, the two most popular. Re-enactment of SCDX #1 opening item from 1948y. George took over from founder Arne Skoog in 1978; in 1994 SCDX was the first audio program from Europe to be available on internet. Starting Monday (what about Sunday?), R. Sweden will be available only on FM in Sweden, internet elsewhere, satellite somewhere.

Signal was very good at outset but with slight splatter from 10 kHz above or below, and very slight co-channel from XEOI.

Semi-minute transmitter break at 0159-0159:30 during which R. Mil ID made it thru, then resuming in Swedish on 268 instead of 240 degrees, and slightly weaker here. Presumably repeated English at 0230-0259\* for the final final time. I taped the whole 0130 broadcast for posterity.

Having been unable to get R. Sweden/Sackville off 6010 for years, I'm sure XEOI is shedding no tears --- O no: in B-10, Iran's Spanish service is scheduled on 6010 at 0030-0330, 259 degrees from Kamalabad toward South America. That should have been on already, as a few hours earlier, Iran was also blocking Sweden's finale to Europe on 6065, a new B-10 frequency for Arabic. Or Iran could be on 6110 alternate to 6010, per Wolfgang Büschel, where it just might collide with Habana (Glenn Hauser, OK, DX LISTENING DIGEST)

**THAILAND, 7,260 kHz, 10/24/10 11:10-11:29** Hear a variety program with some spoken words in presumed Thai language with some EE words mixed in, some music, station ID at 1115, abrupt signoff at 1129. Rather good signal at S-9 with a fair amount of noise. (Joe Miller via CumbreDX)

## Övriga radionyheter

### Radio Sweden: bye bye shortwave

**On one hand, the loss of R. Sweden's SW svc** is just another in a long, long and doubtless continuing string of similar announcements by other countries. But, personally, it has affected me more than many of the other earlier, similar events. Perhaps it is because I am of Scandinavian heritage, although only a small part Swedish. Perhaps because that Nordic part of Europe seems emotionally close to me. Perhaps it is because R. Sweden was one of my initial loggings back in the late 1940s and early 1950s. Perhaps it was because of my memories of Arne Skoog and his DX broadcasts and because of having received SCDX bulletin for so many, many years. Because of Skoog and successors, there always seemed a special link between Radio Sweden and DXing. Now that will be gone. But whatever, the loss is stronger than the other losses of recent times.

Listening to the Hojeberg interview, I find no fault in her logic nor her observation that "the world has changed." She hopes that other large broadcasters will continue to serve the limited but still existing needs of some categories of listeners. But it is a wistful hope. What remains rather astonishing is that the Netherlands, surely in much the same boat as Sweden, continues on SW. How long can that last? And how far behind will be Great Britain and Germany and others? Perhaps it will be left, eventually, to the Chinese to turn off the lights.  
(Don Jensen via DXPlorer)

### The Obit Report - The Grand Ole Opry's Unsung Stars, October 18, 2010

**This month, as the Grand Ole Opry** celebrates its 85th anniversary, we look back at its history and a few of the musicians who have graced country music's most famous stage.

On October 18, 1925, Nashville radio station WSM premiered a program featuring "Dr. Humphrey Bate and his string quartet of old-time musicians." Not long after, George Hay was hired to bring his National Barn Dance radio program from Chicago to Nashville. The two programs combined to form the WSM Barn Dance, and a legend was born.

"Barn Dance" was a great name for a program featuring music by the likes of the Fruit Jar Drinkers and the Binkley Brothers' Dixie Clodhoppers, but it didn't last long. The program typically aired just after an hour of classical and opera music. One day, Hay - the early Opry host who would later be known as the "Solemn Old Judge" - quipped, "For the past hour, we have been listening to music taken largely from Grand Opera. From now on we will present the Grand Ole Opry."

Over the years, the Opry has weathered many changes and a few hard times - it's gone from a radio-only program to one with a live audience, to television, traveling concerts, a theme park, and more. It's moved from stage to stage and recently endured a devastating flood. Throughout, the Grand Ole Opry has remained committed to showcasing the best of country music. The list of Grand Ole Opry members - those who perform regularly, often weekly, on the stage - has included country music's biggest names, from legends like Patsy Cline, Hank Williams, Johnny Cash, June Carter Cash, Dolly Parton and Loretta Lynn, to current stars like Carrie Underwood, Reba McEntire and Garth Brooks.

But the Grand Ole Opry isn't just about superstars. At the heart of the show has always been good old country music, and the musicians who make it aren't always household names...

More at <http://www.legacy.com/ns/news-story.aspx?t=the-grand-ole-oprys-unsung-stars&id=134>  
(Mike Terry via DXLD)

### Cypriot radio stations

NICOSIA (AFP) - **Cypriot radio stations are working together** to put the spotlight on the victims and crack down on customers of a thriving sex trade on the divided island despite some timid visa reforms.

"I came to Cyprus to work as a waitress. That is what they told me. Now they force me to sleep with clients! I am not a prostitute. They force me to do it," said a woman speaking on Radio Astra, owned by Cyprus's ruling Akel party.

A condemnation follows: "Human trafficking is a serious violation of human rights. The tolerance and use of victims' services is our complicity."

The plan to enlighten Cypriots was launched two years ago when the government abolished "artiste" visas for "dancers," often from eastern Europe, in any of the 100 or so cabarets that the holiday island used to have.

Since then, the Greek Cypriot authorities in the government-controlled south of the island, which joined the European Union in 2004, say there are only 44 of the clubs left.

"The interior minister has changed the rules and now it's better," said Neophytos Neophytou, deputy editor-in-chief of Radio Astra.

"But it's still important to inform Cypriot society, especially the young people, to teach them the difference between (consensual) prostitution and trafficking."

Monday marks the annual European Day against Human Trafficking which the 27-nation bloc launched three years ago. But experts in the field say Cyprus's abolition of artiste visas -- around 3,000 were issued in 2007 -- has made barely any difference at all, instead moving the problem elsewhere, mostly to bars and massage parlours.

"The truth is that two years ago they sold girls with artiste visas, and today they sell them with work visas," said Androulla Henriques, vice president of ACCESS-Suisse, an organisation combating sexual exploitation.

In a report on human trafficking, the US State Department warned in June against the dangers involved in granting special visas to performing artists and waitresses in Cyprus.

And in a letter to Interior Minister Neoklis Sylikiotis, EU High Commissioner for Human Rights Thomas Hammarberg urged Cypriot authorities to "ensure that no type of visa or work permit can be abused for such unlawful purposes as trafficking human beings."

Half the applications for work permits are turned down, according to the interior ministry, which says it demands proof of the artists' qualifications and now requires that they come as part of a group.

The bars are no longer allowed to employ non-European waitresses.

"They changed the name of the visa, the name of the contract, but the situation hasn't changed: the women are still here, and the risk of trafficking also," said Susan Pavlou of the Mediterranean Institute for Gender Studies.

She believes the clients, most of whom are married Greek Cypriots according to her organisation, should be prosecuted. Cyprus is also having to contend with a new phenomenon: street prostitution, with Filipinas, Chinese and Vietnamese women offering themselves, day and night, for just a few euros, non-governmental organisations say, to pay back immigration networks.

In the Turkish-held north of the island, the situation is even more troubling.

Since June, Turkish Cypriot station Radio Mayis has been broadcasting awareness messages in collaboration with Radio Astra.

Henriques described the "appalling life" of foreign women in the north who are deprived of their freedom, singling out the garish nightclubs dotted along the westbound motorway out of northern Nicosia.

In its June report, the State Department said nearly 1,000 "hostess"

work permits were issued last year in northern Cyprus, which has 42 nightclubs, adding that the authorities had no procedures to identify trafficking victims.

Sener Elcil, secretary general of the union of Turkish Cypriot teachers, said the police in northern Cyprus do nothing to prevent people trafficking, and are even colluding with the organisers.

"Turkey is responsible for these (cabaret) activities. The mafia rules the northern part of the island, and police do nothing. Even worse, they're involved, they hold the passports of the girls when they arrive."

<http://sg.news.yahoo.com/afp/20101018/twl-eu-trafficking-cyprus-prostitution-r-4bdc673.html>

(Via Robert Wilkner)

### **Status of the AOR 7070 Receiver, 22-10-2008**

**I am pleased to say that my friend John Thorpe, the designer of the AOR 7070, has made considerable progress with the production design, so there should be a prototype with early software by the end of the year.**

Read more at:

<http://www.xs4all.nl/~martein/pa3ake/hmode/ar7070-progress.html>

Extensive measurements by John Thorpe of the AR7070 2nd prototype have come available 14-10-2010. For all the details see the link:

<http://www.xs4all.nl/~martein/pa3ake/hmode/ar7070-prototo2.html>



Internal Photo of the AOR AR7070

(photo : Colin, G3SBI )

## Lyssna på sändaramatörer

**Just nu pågår kanske världens största radioamatörtävling CQ WW CONTEST.** Ett gyllene tillfälle att lyssna på sändaramatörer. Det gäller att etablera kontakt med så många andra som möjligt under två dygn. Högst poäng för annan kontinent. Det som utbyts är signalrapport 59 och områdesnummer. Det är inte många sekunder som varje QSO varar!

Lyssna på;

1840-1850 kHz (sen kväll och natt)

3600-3800 kHz LSB (sen kväll och natt)

7050-7200 kHz LSB (hela dygnet)

14100-14300 kHz USB (dagtid)

21150-21450 kHz (dagtid)

Tävlingen avslutas söndag 2400 UTC.

(God Lyssning önskar Lennart Deimert via NORDX)

## New release of WinradHD by Mario DG0BJJ

**Hi all, Mario has released a new version of his WinradHD at <http://www.hdsdr.de/> my advice, to surprise you:**

a.) look at the Options (F7)

b.) click right mouse button at the red recording button (Recording Scheduler!)

What does it do: based on the open source code of Winrad, written by Alberto di Bene (I2PHD). It is 100% compatible with the Winrad hardware interface.

Main changes to original Winrad V1.32

Build 20:

- -up to 10 manual adjustable notch filters
- -new FM demodulator
- -squelch
- -improved image rejection and bandpasses
- -IF and AF recording mode and scheduler
- -optimized for flexible and efficient usage of the screen area
- -more vertical and horizontal screen resolution and multiple display support
- -minimum screen resolution 640x480 (i.e. for Netbooks)
- -Multi-LO-support (2 different local oscillators)
- -maximum LO-frequency is 10 GHz (i.e. for VHF/UHF/SHF converter)
- -OmniRig support (CAT control, free download at <http://www.dxatlas.com/OmniRig/>)
- -support for Alberto's HPSDR ExtIO
- -command line options "-as"(auto start), "-sd"(second display), "-fs" (full screen), "-wv"(window view), "-swapsw" (swap spectrum/waterfall display)
- -advanced keyboard shortcuts
- -extreme low-speed waterfall (helpful for pattern noise detection or short wave condition monitoring)
- -Band switch for Amateur Bands and SW Listeners
- -many more nice things...

give it a try!

(73, Wolfgang, OE1MWW via Perseus YG)

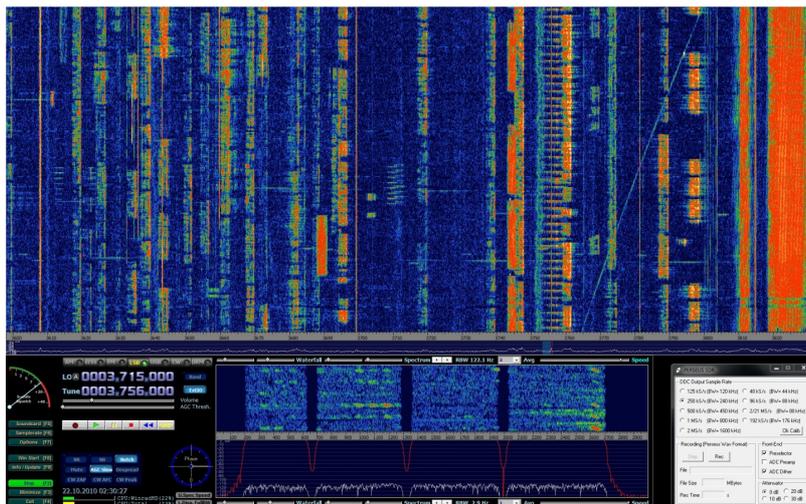
## Why so high CPU usage in WinradHD compared to WRPlus:

The problem is the amount of CPU WinradHD uses; I tested the latest release to see the improvements and promptly noticed a much higher CPU usage. This is due to the fact that Mario changed the implementation of the anti-alias filters in order to achieve a result comparable with WRplus; the problem is that WinradHD uses the original DSP engine so the new filters are really heavy for the CPU.

For example, in a comparison test with both software executing the same tasks, I measured 5% of CPU use on WRplus vs. 20% on WinradHD. So at the highest input SR, on several systems simply the CPU give-up and you get "stuttering".

(73 Sandro via Perseus YG)

*( Sandro is the crator of WRPlus. I have tested both WRPlus and WinradHD and the CPU usage is much higher in WinradHD which leads to stuttering in several cases when playing back Perseus files. WRPlus has very good audio and I can recommend the soft filter to enhance the audio when there is lots of disturbance in the vicinity. /TN)*



## In-depth review of the new Winradio Excalibur

The latest issue of **Monitoring Times** has an in-depth review of the new Winradio Excalibur. It is a highly favorable review and ends with the following paragraph:

*"I'm sure my exuberance over this remarkable receiver is obvious. In my professional lifetime in communications electronics, I've never seen anything with such shortwave receiving and processing power at such a low price. In the time it took me to write this review, I have changed from a digital skeptic to a true believer. This is one amazing radio!"*

I have one and I totally agree.

(Neil Bell, KJ6FBA, via ShortwaveRadios YG)

### WR-G31DDC Reviews

From <http://www.winradio.com/home/g31ddc-reviews.htm>

#### RadioUser

*"This is a great receiver that will change the way you monitor the HF bands. Being able to see the entire spectrum in one display and jump to any point with a click of a mouse is a very powerful tool."*

*"The quality of the filtering is excellent and is primarily determined by the filter length setting. Having fine control of such good quality filters means you can really pluck your wanted signal out of the noise. This worked superbly well for me during the review and made utility monitoring so much easier."*

*"The masterstroke is that WinRADiO have done a brilliant job with the Excalibur user interface and this receiver is an absolute breeze to use once you've spent a bit of time finding your way around it. Whilst it may sound as though you have to carefully set the DDC width and so on, in practice, you can point and click your way around the bands in a flash. It really does change the way you operate because the entire spectrum is at your fingertips and available at a click of a mouse."*

[Download Review \(Courtesy RadioUser Magazine\)](#)



#### RadCom

*"The Excalibur is more than just a receiver; it is also a high performance spectrum analyzer over a wide range of frequencies and a usable dynamic range in excess of 110 dB."*

*"Reciprocal mixing measurements showed that the phase noise performance was excellent. Indeed, the figures are best for any radio I have ever measured."*

*"I liked very much the user interface, a good balance between ease of use and well presented information. The various spectrum displays were excellent and give a good visual impression of the radio environment."*

*"The performance as a spectrum analyzer was first class, with better resolution, wider display range and faster sweeps than my 100 dB display range Hewlett Packard instrument."*

*"The Excalibur receiver is a top rate performer supported by excellent software and the spectrum displays are a superb bonus. The 16-bit analogue to digital converter results in unsurpassed strong signal performance and once again my league table of close-in dynamic range receiver performance has a new No. 1."*

[Download Review \(Courtesy RadCom Magazine\)](#)



### RadCom review of Excalibur

Peter Harts's review of the receiver in Radcom was very complimentary.

Main performance figures:

- MDS in 2.4kHz BW -114dBm (= -120dBm in 500Hz BW)
- Clipping level -3dBm
- DR3 in 500Hz BW 110dBm
- IP3 in 500 Hz BW 36dBm
- Phase Noise @ 10kHz -145dBc/Hz

Hart said these were some of the best figures he'd measured on a receiver.

(Henry via WinradExcalibur YG)

View the complete review at <http://www.winradio.com/pdf/g31ddc-review-radcom.pdf> /TN

## Pixel Technologies PRO-1A Moebius HF loop

This is a very relevant news item. Pixel Technologies, which is nominally a company that caters to the satellite radio industry, announced a few weeks back that they were going to carry a new HF active loop that, from all appearances, would challenge the well known Wellbrooks. Well, they've started to produce them, and here's the PDF sheet with the details. [http://www.pixelsatradio.com/PDF/RF\\_PRO-1A\\_Cut\\_sheet.pdf](http://www.pixelsatradio.com/PDF/RF_PRO-1A_Cut_sheet.pdf)

A review has been posted in the Eton E1 Yahoo group; as soon as I get the OK, I will be copying it to the RadioReference wiki where everyone can view it. All indications are that it's a very hot performer. Sadly it's too big to comply with international postal regulations, so no shipping to Canada or overseas...or so I've been told reading the traffic on this antenna in the RadioReference forums.

It doesn't come cheap, but then quality rarely does. 73  
(Mike Agner, KA3JZZ, Oct 26, NASWA yg via DXLD)

## Magnetic Shielded Loop Antenna User Review and Evaluation Wellbrook Model ALA-1530+ vs. Pixel Technologies RF PRO-1

By Ned Mountain, WC4X 5/1/2010

### Introduction

The objective of this evaluation was to perform a side-by-side unbiased comparison between the Wellbrook ALA1530+ broadband loop antenna and the Pixel Technologies RF PRO-1 loop (a pre-production prototype). Their performance was also compared to a 550 foot bi-directional Beverage antenna at my QTH 100 miles north of Atlanta in the North Georgia Mountains.

Both of these antennas are 1 meter diameter loops with low-noise high gain amplifiers and are designed to cover the range of 100 kHz to 30 MHz. The objective of this evaluation was to determine how well these antennas operate in the HF amateur bands up to 30 MHz and to identify the differences between each. Both of these antennas are the "receive-only" broadband variety that require no external manual tuning adjustments and are primarily designed for outdoor installation at ground level but also can be used indoors. (Many people install them in attics or lofts). Because these antennas are optimized to respond primarily to the magnetic component of electromagnetic radio waves, they exhibit excellent rejection of localized (near field) QRM from computers, flat panel TV's, light dimmers, switching power supplies, etc. that is dominated by the electro-static component of the electromagnetic emissions. In this regard, the substantial QRM reduction advantages of these types of antennas have been well reviewed and documented:

<http://www.wellbrook.uk.com/reviews/SWM2000.pdf>

<http://www.wellbrook.uk.com/reviews/SWM2001.pdf>

<http://www.wellbrook.uk.com/reviews/SWM2001Nov.pdf>

Both loops have a broad figure-eight reception pattern (or more accurately a fat figure eight) with sharp 20 -30 dB nulls (about 2-5 degrees wide) at right angles to each side of the plane of the loop which are useful for nulling or reducing localized interference coming from a specific direction. Although to take advantage of this feature, you may need to mount the antenna on a standard rotor for precision alignment.

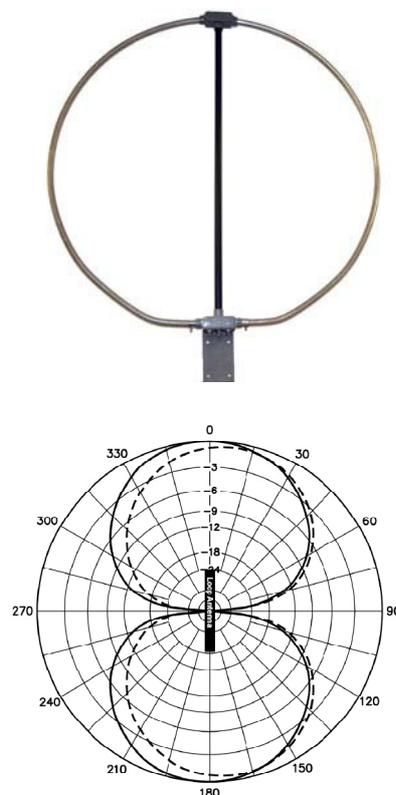
Wellbrook, a U.K company, has been producing the Model ALA 1530 since 1999 and the Model 1530+ is the latest version. The Wellbrook antenna has been well reviewed and is highly regarded in the amateur community. Pixel, located near Denver, Colorado is a manufacturer of antennas and RF distribution accessories for high-end home, professional and commercial applications. The RF PRO-1 is an extension of their highly regarded AM-1 MW shielded magnetic loop antenna and utilizes a "Moebius Loop" architecture that was originally developed for a US Air Force project in the sixties and declassified in 1994. (<http://www.ece.unm.edu/summa/notes/SSN/note7.pdf>).

The bottom line is that, as expected, neither loop antenna was as good as my 550 foot Beverage. But the loops were not that far behind and for their size, in locations with limited space, they provide remarkable reception capability. In every case (reception sensitivity, interference rejection, mechanical design, ease of use, and ease of installation) the Pixel antenna was the clear winner between the two loops.

### Evaluation Details

#### Sensitivity and Signal-to-Noise

In my test setup I mounted both loops outdoors to a wooden fence about 5 feet high and oriented the loops in the exact same direction. They were connected to either of my transceivers (Kenwood TS870 and ICOM 756 Pro 3) through identical 50 foot runs of quad shield RG-6 cable via an A/B switch. I tested them both side by side for about a month in April 2010. Almost everything I was able to receive on the Beverage was also readable with the Pixel Loop except some very weak low frequency signals. As expected, the S/N was not as good as the Beverage. On the other hand, S-meter readings and listening



Loop Antenna Pattern (looking down edge - on from above antenna)

tests confirmed that almost across the entire 100 kHz to 30 MHz spectrum, the Wellbrook's performance was noticeably less than the Pixel loop. To be fair there were some cases where the Pixel and Wellbrook antennas were about equal below 1 MHz, but above this frequency, the Pixel Loop was the clear winner by as much as 10 dB. This seems to verify Pixel's claims that their "Moebius Loop" architecture outperforms conventional loops.

#### Interference Rejection, IMD and Noise Figure

To test interference rejection, I used a particularly noisy fluorescent light located in my shack to evaluate this. While not an exhaustive scientific test, the Pixel exhibited noticeably greater resistance to this noise source than the Wellbrook. As far as the capability of these antennas to operate well with low intermodulation distortion (IMD) in the presence of very high level RF signals (such as a typical local AM broadcast station), both antennas have impressive specifications better than most receivers. The Pixel IMD specs are some 10 dB to 7 dB better than the Wellbrook in this regard. Because the Wellbrook amplifier is integrated inside the loop in a sealed and potted enclosure, I was unable to verify its claimed IMD specifications. The Pixel amplifier was tested by an independent laboratory and certified to meet its published specs and it also exhibited a noise figure in the vicinity of 2 dB (at 10 MHz) which is excellent. Wellbrook does not publish its noise-figure specifications. The Pixel amplifier that was tested was pre-production prototype.

#### Mechanical Integrity & Mounting Provisions

From a mechanical design perspective the Pixel Loop is much more rugged and easily mounts to any pole (up to 2 inches in diameter) with standard pole-mount hardware that is included. The Pixel Loop can also be mounted to any flat vertical surface with the included high strength L-bracket. On the other hand, the Wellbrook is particularly deficient in this regard. The user is advised in the Wellbrook instruction sheet to improvise a wooden or bamboo pole for mounting. Many previous reviewers have commented on this. The Wellbrook also utilizes a BNC connector to mate with the outdoor antenna. The BNC is a reasonable connector to use in low-stress indoor applications, but for outdoor use, its environmental and mechanical attributes are completely unacceptable. Many previous Wellbrook reviewers have also commented on this and have had to improvise various environmental improvements and had to perform frequent outdoor connector maintenance. The BNC connector is potted into the antenna's base and there is no way to change or modify it. The Pixel Loop, on the other hand, uses readily available high quality F-connectors tried and proven by the DBS and Cable TV industries. The Pixel antenna can also be used with relatively low-cost quad-shield RG-6 cable. The Pixel interface / power inserter unit that mates with the radio has an internal 75 to 50 ohm matching transformer with a PL-259 or F-connector output to the radio.

#### Service Features and Configuration Flexibility

Another positive note for Pixel is that because the Low Noise Amplifier (LNA) is a separate modular unit that mounts to the antenna mast or nearby flat surface, it's much easier to replace if it ever goes bad. The Wellbrook requires replacing the entire antenna. Also an AM band reject filter can, in the case of extremely high-powered very close-by transmitters, be installed up-stream of the amplifier to make the antenna meet its ultimate specifications although this is generally not required. A few users have reported that the Wellbrook is inoperable in such situations, particularly when there are nearby high-powered commercial FM transmitters. With the Wellbrook there is no way to fix this problem.

#### Summary

The loops do an impressive job of minimizing local QRM as advertised. The Pixel RF PRO-1 beats the Wellbrook across the board and although it's not a 550 ft Beverage spread out over several acres, in most cases it's not far behind the Beverage. Admittedly, additional quantitative measurements should be done to validate my qualitative observations, but in a smaller QTH with antenna restrictions, the Pixel RF PRO-1 would be my number one choice for a low frequency receive antenna.

(Ned Mountain, WC4X, 5/1/2010)

*This article is copied from [http://www.pixelsatradio.com/PDF/RF\\_PRO-1A\\_Cut\\_sheet.pdf](http://www.pixelsatradio.com/PDF/RF_PRO-1A_Cut_sheet.pdf) where you can find additional information. /TN*

## **SDR-Radio**

**SDR-RADIO.com GmbH is working very closely with RFspace Inc. of Atlanta, Georgia, USA** to bring you the best SDR experience available today.

SDR-RADIO.com is a Windows console for SDR receivers and transceivers. Designed for the Amateur Radio, short-wave listener and commercial community, the console will provide a powerful interface for the both SDR enthusiasts and professional users. The recommended hardware is the SDR range from RFspace.

The future of radio communications is Software Defined Radio: Inexpensive hardware such as the SoftRock series of receivers and transceivers, excellent performance and strong signal handling,

Features available with SDR which were previously only found on expensive high-end radios such as ICOM IC-7700, IC-7800 and the Yaesu FTDX-9000 series.

#### **Licensing**

RFSPACE SDR-IQ, SDR-14 and future receivers: *Free*

Soundcard (SoftRock) and low-end SDR: *Free*

Other: *T.B.A.*

**No Radio Needed!** You don't need a radio to use the SDR-RADIO.com software - many Hams and SWLs have made their radios available over the internet. Just [look at the On-Air Servers page](#) for a list of the radios you can use.  
(Copied from SDR-Radio.com website by TN)

**Additional comments:**

You can follow the software development progress at <http://sdr-radio.com/Downloads/BetaKits/tabid/320/language/en-GB/Default.aspx> and choose News.

To test the software you can also download the beta version Ver 1,1 build 417.

There is no support for Perseus files and only RF-Space SDR:s are supported. At the moment there is no code made for their chained files as it is a beta version.

You also have access to a Yahoo group at <http://sdr-radio.com/Yahoo/tabid/325/language/en-GB/Default.aspx> where lots of comments can be found.

The software GUI seems very promising with lots of functions and is easy to understand. This software together with SDR-IP and the coming NetSDR seems to be a success.

/TN

