

# SHORTWAVE BULLETIN

Issue no. 1873, April 9, 2017.

Deadline e-mail next issue: 0800 UTC, April 23, 2017.

The weeks are passing by very fast. Next week already Easter.

Down here in the south of Sweden the farmers are very active on the fields. But still only 7- 10° with one exception -one day with 20°. That was great.

If we look at the log there are no big surprises. Unfortunately more or less the same stations are heard from issue to issue.

We have a DX-related Facebook group called Swedish DX-History. At the end you can see the tables created by Jan-Erik Räf and Lars Rydén in 1964 when the Swedish Championship in Shortwave listening was finished.

Very interesting to see that the RCA AR-88 was the most common communication receiver at that time. Only a few Eddystone and Hammarlund receivers were used. Two Collins receivers were also used. At that time considered as the best you could get. Compare to the picture to the right. This was the type of receivers from the late 1920'ies. 135 SEK at that time was a fortune.

Keep on ....

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## SWB-info

SWB on HCDX:

<http://www.hard-core-dx.com/swb>

SWB member information:

<http://www.hard-core-dx.com/swb/member.htm>

Dateline Bogotá 1993-1998:

<http://www.hard-core-dx.com/swb/Dateline.htm>

SWB latest issue/archive:

<http://www.hard-core-dx.com/swb/archive.htm>

## QSL, kommentarer, mm.

**Ullmar Qvick:** Fick idag en årskalender för 2017 från Radio Kuwait. Där anges diverse sändningar som uppenbarligen inte förekommer längre. Jag kollade 15540 kHz kl 1800z för start på engelska. Andra stationer hördes... Men från Kuwait inte ett ljud.

**Johan Letterstål:** X i taket! Ett eQSL har inkommit! Inte speciellt långväga men ändå..... Radio Northern Star Bergen (LLE-3 LKB LLE) 5895 kHz. Hittade denna på en SDR inspelning 5 sep 2016. Trevligt svar!

Skickar VÄLDIGT VÄLDIGT sällan rapporter, senast var säkert i mitten på 2000-talet. Arkiverar SDR eller audio istället.

Som tidigare sagt, DX-ar max 2-3 veckor per år (sommar-QTH). Resterande del av året vaskas det emellanåt i filerna. Ofta dyker det upp nytt spännande, högt och lågt! Tyvärr alltid för sent för tips-bidrag!

Fann nyligen en ny version av HSDR, v2.76. En del smarta förbättringar. Bra ljud! Använder dito och SDR-Radio v1.5 för avlyssning tillsammans med Afedri (+Afred scheduler).

**Lars Skoglund; Thazin Radio, Naypyidaw 7110** svarade med ett rek bestående av brev, kort och programschema. V/s var Nay Linn Thun, Head of Department C. Adress enligt WRTH.

**Carlos Gonçalves:** Nos 60 m/5 MHz, os sinais estiveram pobres, entre 30/3 e 03/4, mas é bem evidente a ausência de várias estações, não mercê de má propagação, mas sim porque não estão no ar, seja por avaria ou por opção, certamente p/ cortar nos custos operativos. Nas outras bandas, sucede o mesmo, claro, mas a situação é mais atenuada.

**» JORDEN RUNT PÅ KORTA VÅGOR.. »**

med S & S Trerörs

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Här blev det lite plats över

- en bild från annu dazumal från Kaj Larssons arkiv.

(Svensk DX-Historia)

3310	Apr9	0025	Radio Mosoj Chaski, Cochabamba 0025 to 0100.. om and y1 0025 -0027 rapid talk in Quechua, 0057 y1 vocalist. Better than average signal. (Wilkner)
3480	Apr2	2115	Voz do Povo, Goianguê, emissão em coreano dirigida à Coreia do Norte, texto, canções, QRM de navios de pesa galegos, em BLS. (Carlos Gonçalves)
3925	Apr5	1041	R Nikkei, Nagara, 1041, apparent cmntry, poor signal, mostly unintelligible. (XM)
3945	Mar14	1325	RRI Ternate. JBA with Indo chat, IN ballads..didn't sound like ID break @ TOH (played flute-heavy tune through 1400). (Dan Sheedy)
3985	Apr2	2119	R.Eco de Esperança, Gyeonggi-do, emissão em coreano dirigida à Coreia do Norte, texto, QRM do sinal de empastelamento norte-coreano e de CODAR. (Carlos Gonçalves)
4055	Mar30	0458	Radio Verdad, Chiquimula, English, religious songs and comments. (Méndez)
4055	Apr9	0000	Radio Verdad marimba music, good signal strength. (Wilkner)
4450	Apr3	2109	Voz do Povo, Goianguê, cf. 3480 supra, canções, QRM do sinal de empastelamento norte-coreano e de CODAR. (Carlos Gonçalves)
4747.5	Apr9	0050	Radio Huanta 2000 Huanta Ayacucho 0050 to 0100 under Codar om in Spanish, weak siganl strength. (Wilkner)
4750	Apr 3	1235	Bangladesh Betar - HS. The Monday only SAARC (The South Asian Association for Regional Cooperation) news bulletin in English; "Assalamu alaikum. This is Bangladesh Betar"; items - new Indian army chief visting Bangladesh, China plays a vital role in economic development of the region, terrorist bomb blast in Pakistan at Friday prayers, etc.; poor, with usual CODAR and CNR1 QRM, but able to make out bits and pieces (Ron Howard, Asilomar State Beach, CA, USA)
4765	Mar30	0308	Radio Progreso, La Habana, Cuban songs, comments. (Méndez)
4774.9	Apr2	2118	R. Congonhas, Congonhas MG, noticiário de futebol. (Carlos Gonçalves)
4774.9	Apr4	2215	R. Tarma, Tarma, castelhano, texto, QRM do B e de CODAR. (Carlos Gonçalves)
4774.9	Apr9	0010	Radio Tarma, Tarma om in Spanish under massive Codar. (Wilkner)
4805	Apr4	2213	R. Dif. <sup>a</sup> do Amazonas, Manaus AM, noticiário regional. (Carlos Gonçalves)
4805	Apr9	0020	Radio Difusora do Amazonas weak by steady signal with om Portuguese. (Wilkner)
4835	Apr1	1256	AIR Gangtok. After being silent for some days, heard their open carrier on April 1, at 1256; another day of OTH radar strong QRM, but the carrier was strong enough to cut through it (Ron Howard, Asilomar State Beach, CA, USA)
4862.4	Apr4	2120	R. Alvorada (p), Londrina PR, texto, música, modulação muito fraca. (Carlos Gonçalves)
4870	Mar16	1325	RRI Wamena (T). Another JBA/imaginary-level audio morning for these guys..music with occasional DJ chat clear before (P) AIR/Voice of Kashmir (Delhi) opened @ 1330 (causing usual het & making JBA into RJBA (really JBA *:( crying). Aoki also shows AIR (Delhi) in Nepali 1330-1430 here, but dunno if they are active. (Dan Sheedy)
4875.1	Apr9	0020	Rdif Roraima, Boa Vista RR melodic music, good signal, often off the air. (Wilkner)
4885	Mar30	0620	Radio Clube do Pará, Belém, Brazilian songs. (Méndez)
4885	Apr5	0856	R. Club do Pará, Belém PA, texto. (Carlos Gonçalves)
4885	Apr5	0037	R Clube do Para, 0037, apparent soccer match, good signal. (XM)
4895	Apr2	2123	R. Novo Tempo, Cp.º Grande MS, canções. (Carlos Gonçalves)
4905	Apr3	2105	Nova R Relógio, Rio de Jan.º RJ, texto, QRM da CHN. (Carlos Gonçalves)
4910	Mar29	1734	AIR, Jaipur, Vernacular comments. (Méndez)
4920	Mar29	1730	AIR, Chennai, English, news, Vernacular comments. (Méndez)
4925	Apr4	2207	R.Educação Rural, Tefé AM, noticiário nacional A Voz do Brasil. (Carlos Gonçalves)
4925.1	Apr5	1027	R Rural, Tefe, 1027, M w/ PT cmntry, fair. (XM)
4949.75	Mar29	1820	Radio Nacional de Angola, Mulenvos, comments, African songs. (Méndez)
4950.1	Apr9		<b>Unid</b> possibly Radio Nacional de Angola, PT ? not enough signal. (Wilkner)
4955	Apr4	2210	R. Cultural Amauta, Huanta, canções, texto. (Carlos Gonçalves)
4949.7	Mar28	2005	R Nacional de Angola Mulenvos Luanda, px local. (Mauro Giroletti)
4965	Apr1	2213	R. Alvorada, Parintins, entrevista no âmbito de prgr. de propag. relig. (Carlos Gonçalves)
4965	Mar28	2015	Voice of Hope Makeni ranch Lusaka, music. (Mauro Giroletti)
4965	Apr3	1814	Voz da Esperança, Rancho Makeni, inglês, música, indicação de endereço postal na Califórnia, canções.. (Carlos Gonçalves)
4985	Mar26	0520	Radio Brasil Central, Brazilian songs. Very weak and teletype interference. (Méndez)
4985	Apr2	2142	R. Brasil Central, Goiânia GO, canções, anúncios de programação. (Carlos Gonçalves)
5005	Mar30	0522	Radio Nacional, Bata, African and other songs, Spanish, comments. Very weak. (Méndez)
5020	Apr1	1232	Wantok FM relay, via SIBC. Another day with an extended broadcast; non-stop pop songs, with brief Wantok IDs; still on at 1350, but gone by 1409 (Ron Howard, Asilomar State Beach, CA, USA)

5020	Apr3	1153	SIBC. Christian song before the start of "Evening Devotional"; "closing down" ID & NA. 1202 - A seamless switch over to the Wantok FM 96.3 relay; usual pop hit songs (Cher - "Love Hurts," etc.); normal Wantok IDs; still doing well at last check, at 1402 (Ron Howard, Asilomar State Beach, CA, USA)
5025	Apr5	0347	R Rebelde 0347, powered down to where it was only seldom even at threshold, no signs of R Quillabamba. (XM)
5040	Mar29	1732	AIR, Jeypore, English, news. (Méndez)
5040	Apr5	0040	R Habana, experiencing severe xmtr problems, loud hums, modulation problems, weaker than usual signal. (XM)
5905	Mar12	-1432*	Echo of Unification (Pyongyang). Relaxed KR chat, some KR MOR with very distinctive closing tune...some CCI from CRI (Kashi-Saibagh) in RU. (Dan Sheedy)
5910	Mar30	0618	Alcaraván Radio, Puerto Lleras, Latin American songs. (Méndez)
5915	Mar28	2025	ZNBC R Zambia Lusaka, music talk. (Mauro Giroletti)
5915	Apr2	2108	ZNBC-Radio 1, Lusaka, música afric., texto, chamadas de ouvintes. (Carlos Gonçalves)
5939,8	Apr2	2110	R.Voz Missionária, Camboriú SC, música de instrumentos de metal. (Carlos Gonçalves)
5950	Mar29	18324	Voice of Tigray Revolution, Addis Ababa, East African songs. (Méndez)
5952.3	Apr5	1038	R Pio XII, 1038, fair signal, SP, I think it was a preacher but not sure. (XM)
5952.4	Apr9	0025	Pio XII, Siglo Veinte 0025 to 0035 om and y1 covered by co-channel signal. (Wilkner)
5979	Apr1	1319	Gannan PBS. Has been close to four months now since they moved from ex 5970 to this unique frequency. It was Dec 3 that Hiroyuki Komatsubara (Japan) first noted the change. Heard today in Chinese, with a weak signal (Ron Howard, Asilomar State Beach, CA)
5985	Mar28	1319	Myanmar Radio. Special live coverage of the AFC (Asian Football Confederation) Asian Cup qualification soccer match; in vernacular; Myanmar vs India, being held in Yangon; usual background sounds for such an event (crowd cheering, loudspeaker, etc.); preempted regular programming; fair (Ron Howard, Asilomar State Beach, CA, USA)
5995	Mar29	1849	Radio Mali, Bamako, Vernacular songs, French and Vernacular comments. (Méndez)
5995	Mar31	2109	R. Mali, Kati, francês, noticiário, informações desportivas, entrevistas; 55454, modulação fraca. (Carlos Gonçalves)
6003			R. Eco de Esperança, Hwaesong, 2112-2119, 02/4, emissão em coreano dirigida à Coreia do Norte, texto, sinal empastelado pelos norte-coreanos. (Carlos Gonçalves)
6040	Apr6	1858	VOA Dear fellow DXers, I'm struggling with an unidentified station on 6040. It seems to have started on March 31st, and it's probably not daily since (but certainly on april 5+6). I did not catch it before 1800 so far (but didn't try either) and sign-off seems to be quite fixed at 1858. Nothing likely in eibi or AOKI for this channel (might be of course a mixing product). Heard on several online receivers in Europe and Asia, but nowhere with a strong signal. Modulation could also be stronger. I did not identify the language, but let's rule out arabic, turkish, farsi and similar, as well as any slavic languages. Lively talk by several persons, both in studio and by phone. Seems to be a discussion programme, no music heard at all, cut off without any closing ceremony. I don't think it's a European broadcaster, neither a religious one. Maybe this page gives us some inspiration: <a href="https://qz.com/876761/five-african-2017-elections-to-watch-rwanda-kenya-angola-liberia-and-drc/">https://qz.com/876761/five-african-2017-elections-to-watch-rwanda-kenya-angola-liberia-and-drc/</a> Any ideas? (73, Thorsten Hallmann via DXLD)
			----- Voice of America heard on 6040 1930-2000 in unidentified language. Doesn't seem unlikely to me that the same transmitter is used for the 1800-1900 transmission reported. So it's likely that 6065 transmissions listed in HFCC IBB entry ( <a href="http://www.hfcc.org/data/schedbybrc.php?seas=A17&amp;broadc=IBB">http://www.hfcc.org/data/schedbybrc.php?seas=A17&amp;broadc=IBB</a> ) moved to 6040. (73, Thorsten Hallmann via DXLD)
			----- It is VOA as seen in IBB Monitoring: <a href="http://africa.ibbmonitor.com/RMS_Data/Scripts/2017_04_06/LUSA/RMS_SCRIPT_LUSA_170406_193750.TXT">http://africa.ibbmonitor.com/RMS_Data/Scripts/2017_04_06/LUSA/RMS_SCRIPT_LUSA_170406_193750.TXT</a> (Peter W Hansen via DXLD)
6040,7	Apr1	2202	R. B2, Curitiba PR, ID e indicação das freqs., rubrica de música de outro tempo, c/ Gustavo Sousa. (Carlos Gonçalves)
6050	Mar30	0615	ELWA Radio, Monrovia, English, religious comments and songs. Very weak. (Méndez)
6050	Apr5	1050	HCJB Pichincha, 1050, W in Vernaculars, w/ Andean-sounding relig mx, about the only really good signal in this morning. (XM)
6070	Apr5	1040	CFRX Toronto, 1040, apparent cmntry, poor, not nearly as good as usual. (XM)
6080	Apr2	2144	R.Marumby, Curitiba PR, canções relig., QRM da CHN. // 9515. (Carlos Gonçalves)
6090	Apr3	1122	NHK World Radio Japan at 1122 in Korean with a man and woman with talk and a woman mentioning "NHK" at 1123 then light Japanese female vocals – Fair. – It was sure nice to hear something on this frequency other than the distorted audio of Pastor Melissa Scott. (Coady-ON)

6105	Mar27	0431	[non]. NHK in excited Japanese with drumming; demonstration, or game? This is ex-5960, at 0300-0500, 500 kW, 290 degrees from FRANCE to Mexico, Central America and Caribbean, close enough for us, but shhh! Don't tell anyone since Radio Japan deleted North America (Glenn Hauser, OK)
6115	Mar29	1815	Radio Congo, Brazaville, French, comments, Vernacular songs. (Méndez)
6134.85	Apr9	0025	Radio Santa Cruz 0025 to 0040 om in Spanish with on ID & ments de Bolivia. (Wilkner)
6150	Mar26	1350	Europa 24 med popmusik. 3 (CB)
6160	Mar31	2118	CKZN, São João da Terra Nova, inglês, tema de política nacional e desporto em The World At Six, previsão meteorológica, anúncios de programação, e, às 2130, a habitual rubrica As It Happens. (Carlos Gonçalves)
6165	Apr3	1114	Thazin Radio presumed the one at 1114 in Burmese with South Asian male vocals and a man with brief talk and into South Asian female vocals – Weak but audible. (Coady-ON)
6165	Apr5	1056	Thazin R, presumed, 1056, vernaculars, poor. (XM)
6173.89	Apr9	0030	<u>Unid</u> -might be Radio Tawantinsuyo, 0030 to 0035 some weak audio in lsb. (Wilkner)
6180	Mar28	-0456*	RRI. Looking for Brazil (still off the air), but instead heard this with their <b>new schedule</b> (0400- 0456); fairly strong, so when Brazil returns, this frequency will be a mess for an hour (Ron Howard, Asilomar State Beach, CA, USA)
6185	Mar26	0522	Radio Educación, Ciudad de México, classic songs, comments. (Méndez)
6220	Apr1	2206	Laser Hot Hits_G, inglês, texto, música pop'. (Carlos Gonçalves)
7120	Mar29	1839	Radio Hargeisa, Hargeisa, Vernacular comments. (Méndez)
7120	Apr1	1326	R. Hargeisa. Definitely in English; only able to make out a word here and there; seemed news till 1331; went to non-HOA pop music; 1340 the usual HOA theme music to end this 20 minute English segment. My local sunrise was at 1353 UT (Ron Howard, Asilomar State Beach, CA, USA)
7175	Mar28	1414	VOBME 2 (presumed), from 1414 to 1500, heard with only open carrier; audio seemed to start at 1500; HOA music till again hit at *1502 with the start of strong white noise (or DRM?) jamming, blocking reception. Again nothing heard around their other frequency of 7146 (Ron Howard, Asilomar State Beach, CA, USA)
7236.37	Apr3	0411	S7 talk but barely modulated, surely R. Ethiopia on its always-split variable frequency, which also carries some clandestine vs Eritrea (and nothing on 41m from the latter now) (Glenn Hauser, OK)
7254.924	Apr5	0547	VON is already on with pop music prélude, about 10 minutes before it will start its percussive identification signal prior to Hausa hour. Usual very good level (Glenn Hauser, OK)
7255	Mar29	1830	Voice of Nigeria, Ikorodu, news, English, "Voice of Nigeria correspondent...", "Voice of Nigeria". (Méndez)
7259.96	Apr3	1244	R. Vanuatu with the third day of above average reception; 1244-1302 with pop songs; followed by drums and blowing of conch shell; ID and news in vernacular (Ron Howard, Asilomar State Beach, CA, USA)
7300	Apr3	1127	CNR1 at 1127 in Mandarin jamming RTI in Mandarin with a man with excited talk – Weak but audible. (Coady-ON)
7425	Mar31	-1058*	R. NZi, Rangitaiki, inglês, canções, entrevistas, ..., sinal de ID, em perda algo acelerada. *1058-desvan. total 1130, 31/3, sinal de ID, inglês, noticiário, etc. (Carlos Gonçalves)
7425	Apr3	1045	R NZI at 1045 with a man with "Dateline Pacific" news headlines and into an interview of a financial advisor to the Papua New Guinea government – Fair. (Coady-ON)
9400	Apr2	1500	The the Isle of Music via Spaceline i in Bulgaria. Weekly Sunday show with nice Cuban music. 3-4 (CB)
9440	Apr3	1129	CRI at 1129 in Amoy with a woman with talk then a man with talk over music at 1130 – Weak but audible. – Amoy is a Chinese dialect spoken largely in the City of Amoy in Xiamen along the Straits of Taiwan and is quite similar to the Taiwanese dialect. (Coady-ON)
9515	Apr1	2136	R. Marumby, Curitiba PR, propag. relig. e canções a condizer, modulação algo fraca. (Carlos Gonçalves)
9524.95	Apr3	1358	VOI. Ending the segment in English with clear ID. Recently several stations have been heard well above their normal reception, this one and Radio Vanuatu. Due to propagation? My audio of ID at <a href="http://goo.gl/maJ8fB">http://goo.gl/maJ8fB</a> (Ron Howard, Asilomar State Beach, CA, USA)
9585	Mar12	*1453-	TWR (Manzini). IS/ID loop into opening organ tune followed by forceful "inspirational" talk in FR. Now that RA is off 9580, TWR is a daily visitor with a fair signal. (Dan Sheedy)
9590	Mar10	-2100*	Firedragon music jammer. Weak but completely covering RFA's 20-21 CH program. (Dan Sheedy)
9610	Apr3	1140	RHC // 9710, 9820, and 9850 with a possible Spanish version of Arne Coro's "DXers Unlimited" - Fair. – Talk about over-use of a band! Just how many 31 meter band frequencies does RHC need at this time? Outside of DXers like me in North America and Europe and those on the Indian subcontinent just how many listeners does RHC think they really have? (Coady-ON)
9630	Apr4	1013	R. Aparecida, Aparecida SP, noticiário. (Carlos Gonçalves)



9635	Mar26	*0801-	Radio Mali, Bamako, tuning music, French, id. "Içi Radio Mali emettant du Bamako...", comments. (Méndez)
9635	Apr1	1200	R. Mali, Kati, texto, noticiário, modulação extremamente débil. (Carlos Gonçalves)
9635	Apr2	0953	R. Voz do Vietname, Son Tay, vietnamita, texto, música. (Carlos Gonçalves)
9650	Mar26	*0703-	Radio Guinea, Conakry, music, id. "Radio Guinée, la radio de tous les Guinéens", "Radio Guinée, Conakry", French, news, comments. (Méndez)
9650	Mar27	2035	Radio Guinea Conakry, music talk. (Mauro Giroletti)
9650	Apr5	1045	R. Guinée, Sonfonia, líng. local, texto, francês, às 1100, progr. de literatura, ..., canções locais. (Carlos Gonçalves)
9664,9	Apr2	0955	R. Voz Missionária, Camboriú SC, , música, texto. (Carlos Gonçalves)
9674,9	Apr1	2141	R.Canção Nova, Cachoeira Paulista SP, propag. relig. e canções de igual índole. (Carlos Gonçalves)
9720	Apr7	2350	HCJB Australia (Technical Difficulties) Noticed a very weak signal with music on 9720 at around 2350. Went off for a short time then came back on. Checked several web receivers and got some readable audio in Greece, but then CNR2 came on about the same strength. I was still able to get an announcement saying they were having technical difficulties and gave an ID but couldn't copy due to QSB. Found an even stronger signal in Australia and get an English ID for HCJB Australia by man saying again they were having technical difficulties and apologized. Here's a recording of the announcement <a href="https://app.box.com/s/gv5movu7eep2z6ey5x102xpbhfjv2a4v">https://app.box.com/s/gv5movu7eep2z6ey5x102xpbhfjv2a4v</a> I don't see this listed at this time. Could they be testing for a new transmission time, or am I missing something?? (Dave Valko)
9810	Mar27	1920	IRIB Tehran, Starting in EE but very low audio, news at 1930 but impossible to hear. (UQ)
9835	Apr1	1155	Sarawak FM via RTM, Kajang, oração corânica, texto, etc. (Carlos Gonçalves)
9865	Apr3	1147	AIR (via Bengaluru) at 1147 with the "Vividh Bharati" service with subcontinental vocals – Fair. (Coady-ON)
11580	Apr3	2100	Radio Slovakia International with a man with ID and "RSI News" to 2103 and "Topical Issue" on the EU's Schengen area and how Slovakia benefits from it - Fair. (Coady-ON)
11610	Apr3	2105	World Christian Broadcasting (KNLS) at 2105 in Mandarin with the end of western female hip-hop vocals and into a man with talk – Good. (Coady-ON)
11735	Apr3	2035	ZBC Radio at 2035 in Swahili with East African pop vocals to 2049 with no announcements and abruptly off – Good signal but still with pulsing sound. (Coady-ON)
11740	Apr3	2127	AIR (via Panaji) at 2127 // 9445 with subcontinental vocals to 2130 and a woman with ID and into subcontinental instrumentals – Poor but audible. (Coady-ON)
11764,6	Apr2	2105	SRDA, Curitiba PR, testemunhos relig., QRM adjacente. A SRDA parece estar activa nos 11765v, e mais nada, a menos que opere nas outras freqs. em horário em que é possível captá-las por aqui. (Carlos Gonçalves)
11765	Mar27	2030	Super R Deus é Amor Curitiba, rel. programme. (Mauro Giroletti)
11810	Apr3	2050	BBC at 2050 with "Newshour" with a man with news headlines for the hour and into a story about how FARC revolutionaries have offered to assist the government in Colombia in aiding victims of devastating landslides – Good. (Coady-ON)
11815	Mar27	2015	R Brasil Central Goiânia, local music. (Mauro Giroletti)
11815	Apr1	1202	R. Brasil Central, Goiânia GO, texto, canções (Carlos Gonçalves)
11855.6	Mar27	2020	R Aparecida Aparecida, local music. (Mauro Giroletti)
11856,1	Apr5	1046	R. Aparecida, Aparecida SP, conversa, canções, em perda rápida. (Carlos Gonçalves)
11895	Mar27	2025	R Boa Vontade Porto Alegre, local music. (Mauro Giroletti)
11895,1	Apr3	2100	R. Boa Vontade (p), Pt.º Alegre, propag. relig., às 2104. (Carlos Gonçalves)
11934,9	Apr1	2133	R. B2, Curitiba PR, canções, QRM adjacente. (Carlos Gonçalves)
11935	Mar27	2010	R RB2 Curitiba, talk music. (Mauro Giroletti)
12035	Apr5	-1058*	R.Voz da Mongólia, Khonkhor, prgrs. de 30 mins., cada, em mongol, mandarim, às 1000, e em japonês, às 1030. Desta vez, o sinal manteve-se em perda bastante lenta, até ao fecho. (Carlos Gonçalves)
13680	Mar26	1630	Voice of Hope, Zambia med anrop och musik. 3 (CB)
15190	Mar27	2000	R Inconfidência Belo Horizonte, talk music. (Mauro Giroletti)
15190	Apr2	1406	R. Inconfidência, Belo Horizonte MG, texto, música, noticiário. (Carlos Gonçalves)
15476	Mar29	1904	LRA 36, Radio Nacional Arcángel San Gabriel, Base Esperanza, songs and comments. Extremely weak, only audible on USB. (Méndez)
15640	Mar28		[non-log]. R. Pilipinas. // 17700 // 17820, Recently had been hearing them daily with decent reception 0200+, but March 28 they were off the air; none of their frequencies heard with any trace of a carrier. Do not believe it was poor propagation. Probably power outage, due to Manila now having very high temperatures (Ron Howard, Asilomar State Beach, CA, USA)
17580	Mar26	1345	Radio Habana Cuba med musikprogrammet Cuba Campesina. 3-4 (CB)

**morning log 0415 to 0545 UT April 7th**

4885.021 BRA R Cl do Pará. S=6, 4885-4916 kHz CODAR QRM.  
5025 CUB R Rebelde Bauta much stronger than 5040 RHC.  
5040 CUB RHC Sp 0421 UT, heard in Alberta Canada SDR post.  
5129.820 USA WBCQ weak and tiny in Alberta. 0429 UT. Apr 7.  
5910.049 CLM Alcavaran R, canciones, S=7, much stronger than 6010.112 ... 123 unstable fq HJDH, La Voz de tu Conciencia CLM  
5955.010 most probably BRA ZYE965 Radio Gazeta, Universitaria ? S=3 at 0440 UT April 7. DBS#18 mentioned last heard Dec 2011.  
6010.024 BRA R Inconfidência, Belo Horizonte MG, poor S=3 signal on threshold level, 0442 UT.  
6060 CUB RHC distorted audio as always on that channel. S=9+15dB in Alberta, 0448 UT 32 kHz wide signal !  
6100 CUB Only carrier on air at 0500 UT, from Bauta heard deep underneath spill-over of Radio Rebelde Spanish music program of 5025 kHz channel. Program came back at 0505 UT, mentioning electricity prices, 6840 former guerilla members in Colombia, FARC combatantes back into society ...S=8-9 in Alberta  
6105 F\_\_ NHK Radio Japan Japanese sce fro TDF Issoudun site, S=9 proper signal, 10.8 kHz wide signal visible in remote SDR unit at Edmonton, Canada.  
6155 D\_\_ AWR French from MBR Nauen Germany to Africa, sidelobe into NoAM, 0430-05 UT scheduled, S=6-7 signal in Alberta. 0455 UT April 7.  
6165 CUB S=9+10dB in Edmonton western Canada, 16 kHz wide.  
6185.001 unstable, down to 6184.998 kHz MEX XEPPM Radio Educacion, Mexico City, at 0458 UT April 7. Radioplay in progress, Spanish at 0501 UT.  
6135.198 BRA Radio Aparecida S=6 at 0454 UT, hit by even 6135 BBC French from Ascension Isl. relay site.  
6040.704 BRA Radio RB2 musica at 0446 UT weak S=3-4  
5829.984 USA WTWW S=9+15dB strength in Edmonton, Alberta. Christianity against Muslim ...  
6069.987 CAN CFRX Toronto, a nice S=8 signal into western Canada, Alberta remote unit. At 0450 UT on Apr 7.  
6159.970 CAN Threshold level of St. Johns in western Canada.  
6189.990 AFS Unstable fq, BBC Meyerton site relay at 0500 UT.

**In England and southern Germany remote SDR unit log:**

7229.984 AFS Weak morning fade-out time signal of Channel Africa from SenTec site at Meyerton, Mon-Fri service only, at 0525 UT, S=4 in UK and southern Germany remote units.  
7345 GB BBCWS En via Woofferton UK, S=9+20dB, 10.6 kHz wideband signal at 0523 UT on April 7.  
7490.058 USA WBCQ English poor S=3-4 signal at 0518 UT Apr 7, compare RMI TOM on 7780 kHz rather powerful S=9+40dB. VoA Marti Spanish GB 7365 kHz S=9+10dB strength, + scratching jamming audio same level.  
15420.017 MDG BBC English sce, at 0529 UT, S=9 in UK and Germany. Heard for first time there in 16 meterband:  
17779.857 kHz CLN via SLBC Trincomalee relay site, odd fq signal of S=6-7 level here on sidelobe in southern Germany, scheduled AWR Arabic in A-17 season . Nice girl singer performance by Arabic at 0540 UT.

**Logged at 1806 UT on April 7.**

9309.981 THA VoA Deewa in Pashto language via Ban Dung Udorn Thani. At 1730 UT on Apr 7, S=9+10dB on remote SDR unit at Doha Qatar ME. 10.8 kHz wideband signal, mens interview.  
9355 CHN / [MRA] Chinese instrumental music jamming at S=9+25dB level, 18 kHz wide during music theme, 9 kHz wide signal in pause. Heard in Qatar ME remote post at 1738 UT on Apr 7. Nothing heard of requested RFA Chinese language service from Agignan Point from Saipan MRA, maybe underneath in 17-21 UT time range.  
9409.989 UAE BBC English from Al Dhabbaya relay site, S=6 sidelobe heard in Doha Qatar Middle East. {A17 TRT German left for 9840.021 kHz}  
9460.005 TUR TRT Emirler in Turkish, S=7 backlobe azimuth, at 1746 UT on April 7, political commentary on Trump' US airforce bomb clash on Syrian Airforce base during Syrian civil war.  
9474.990 SWZ TWR Africa, Swahili language service heard at S=9 fluttery audio level, on remote SDR unit at Doha Qatar. At 1748 UT hit by adjacent 9470 kHz CHN CRI Russian service from bcst center #722 at Baoji China.  
9499.992 SWZ TWR Africa Oromo language service, S=9+10dB strong at remote Doha Qatar site. QRM co-ch RRI Romanian from Galbeni site 9505.002 SDN Omdurman tiny, very low modulation ... 1750 UT on Apr 7.  
9524.940 INS Voice of Indonesia, Cimanggis, Spanisch sce, S=9+15dB in Doha Qatar MW. Girl singer at 1754 UT.  
9650.002 GUI Radio Guinea, Conakry, fade-in signal from the westerly direction into Qatar ME. West African mx heard at S=5 strength. Low modulated audio at 1756 UT on April 7.  
9655.0 ALS KNLS Anchor Point Russian service on next channel, 1758 UT, male voice prayer, S=5-6 fluttery signal across Siberia and Central Asia towards Middle East.  
9730.0 VTN VoVTN Son Tay S=9 pause signal at 1759 UT on April 7.  
9755.005 AFS Well known Babcock control room CELLO music theme heard before 1800 UT from SenTec Meyerton bcst center site, and then NHK Radio Japan Tokyo mx is theme and station annmt. English sce scheduled 1800-1830 UT via Meyerton AFS. S=9 sig.  
9799.613 EGY Radio Cairo scheduled Turkish sce here, but nothing understand, because too low modulated, S=7 in peaks.

9840.021 TUR TRT Emirler German sce, backlobe S=7 signal, 1730-1830 UT, registered on 9410 kHz in A-17, but late replacement to 9840.  
 15475.969 kHz exact frequency. LRA 36 tonight, heard in 2010-2025 UT slot on Friday April 7. Argentine Antarctic beas station LRA36 Radio San Gabriel. Checked here on an remote Perseus unit, located between Liverpool and Birmingham in England. S=5 or -96dBm poor tiny signal. Noted female announcer from 2010 UT, and later piano music til 2023 UT, then signal became weaker on Apr 7.  
 (wb df5sx, wwdxc BC-DX TopNews April 7)

### Contributors to the log:

wb, Wolfgang Büschel, df5sx, wwdxc BC-DX TopNews, DXLD, DXPlorer, A-DX Glenn Hauser, Enid, OK, USA (also from WOR&DXLD) Mark Coady, Selwyn, Ontario, Canada XM - Cedar Key - Florida Robert Wilkner, Pompano Beach, Florida UQ, Ullmar Qvick, Norrköping, Sweden CB, Christer Brunström, Halmstad, Sweden	Ron Howard, San Francisco at Ocean Beach, CA, USA Manuel Méndez, Lugo, Spain Dan Sheedy, Moonlight Beach, CA Thorsten Hallmann, Münster, Germany via DXLD, RealDX Carlos Gonçalves, Lissabon, Portugal Dave Valko, Dunlo, PA, USA Mauro Giroletti, Buccinasco, Italy Dave Valko, Dunlo, PA, USA Peter W Hansen via DXLD
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## Station news

### BRAZIL. More mystery about Brazilian shortwave station on 5970 kHz

In order to clarify or know more about the Brazilian station on 5970 kHz that can be heard with fair to good signal via remote webSDR in Sao Paulo, and I have heard many times with classic music and classic songs as many identifications as: «Scala or Scalla or Cala FM» and clearly many, many times: «noventa e quatro virgula nove, Sao Paulo» (94.9 Sao Paulo), as well as at hours : «Scala informa: tres horas, our quatro horas, Sao Paulo», even an identification: «Scala FM, 94.9, onda curta, 5970 khz», and seeing that via Google is a Sao Paulo stations called «Scalla FM Instrumental, 102.9 FM», but neither frequency nor the music they are transmitting matches, I sent an e-mail to the Scalla FM Instrumental asking if they are the same station is on short wave and here is the reply:

*"Olá amigo,boa noite, como vai? Eu fiquei muito curioso em saber, e achei muito interessante esta sua escuta. Porém desconhecemos qualquer transmissão de rádio da Scalla em FM muito menos em ondas curtas. Ou seja, não se trata de nossa emissora. No entanto se puder nos apresentar um trecho gravado nos desperta curiosidade. Vale lembrar que aqui em São Paulo não há nenhuma emissora autorizada a operrar em 94,9 FM visto que já opera a Antena Um Radiodifusão Ltda em 94,7. Este caso no mínimo é curioso. Agradeço em nos informar e nos mantenha contato."*

They say the station on air on 5970 kHz is not Scalla FM Instrumental, and there is not license to transmit on 94.9 mHz in the Sao Paulo area. They are interesting to know more about that station and asking me for a recorded file of this station as well I report them about any news. I will send them a file with the identification of the 5970 station.  
 (Manuel Méndez, Lugo, Spain)

**GABON.** An interesting article on the site of the British DX Club about the rise and fall HF stations in Gabon.

<http://www.bdx.org.uk/moyabi.pdf>

(Dmitry Mezin, Kazan, Russia / "open\_dx" via RUS-DX # 918)

**INDONESIA.** The national broadcaster in the former Portuguese (and Indonesian) colony of Timor-Leste [East Timor] can now be heard on a live audio stream from their recently revamped website at <http://rttlep.tl>. Radio Timor-Leste (RTL) is observed streaming in Portuguese and Tetum round the clock, starting their new broadcast day at 21:00 UT with a choral version of their national anthem 'Patria'. The station transmits on 91.7 MHz in the capital, Dili, and on several other FM frequencies throughout the country. Canned announcements also cite 684 kHz mediumwave, although according to Alan Davies' excellent website [Asiawaves.net](http://Asiawaves.net) that has not been confirmed active since December 2010. The website also has a button for live TV streaming, however it's not working yet.

(David Kernick, Interval Signals Online via DXLD)

**RUSSIA.** The fate of powerful broadcasting. Chukotka and Magadan want to revive SW Broadcasting! The issue is being worked out in Moscow. Broadcast SW will be a radio center in Elizovo, Kamchatka Territory - 2 SW of transmitter for 100 kW of type "Thunder" and "Purga"

(<http://dxing.ru/forum.html?func=view&catid=14&id=19034&limit=8&start=48#36710>)

(RUS-DX # 918)

## Other radio news

### DON MOMAN'S ANTENNA FARM IN LAMONT, ALBERTA

This video <<https://www.youtube.com/watch?v=IBChwkjzliw>> features a drone fly-over, with HD camera, of CIDX Executive Secretary Don Moman's (VE6JY) antenna farm located in Lamont, Alberta. It is one of the largest ham radio installations and DX listening posts in North America, spread over 80 acres. (March CIDX Messenger, via dxld March 15)

### [NORDX] Svenska DX-klubbar

Sverige har genom tiderna haft långt över 300 DX-klubbar men i dag är, som vi vet, endast ett fåtal aktiva. Ungefär samtidigt som DX-boken av Ronny Forslund kom ut hade jag börjat att försöka få ordning på mitt DX-arkiv, som legat och samlat damm i källaren. Under "arbetets" gång försökte jag mig på att göra upp en lista över Sveriges DX-klubbar och så småningom kom jag så långt - över 300 klubbar - att jag la ut resultatet på internet <http://www.surfnet.fi/~tosso/dx/sk.html> i hopp om att få rättelser och kompletteringar. Tyvärr med magert resultat.

Kanske det i den här gruppen finns några medlemmar som vill dra ett strå till stacken? Jag vet att DX-alliansen i samarbete med Sveriges Radio publicerade listor över DX-klubbarna men själv har jag endast ett fåtal från 1960-talet. Antagligen ligger dessa listor tillsammans med DX-alliansens arkiv lagrat i Göteborg, eller eventuellt bland det material, omfattande DX-material från 1946-1988, som Arne Skoog deponerat i riksarkivet.

Alldeles enkelt är det inte att få allt rätt om de klubbar som existerat. Ibland skrivs klubbens namn DX-Club, ibland DX-klubb etc. Som ett exempel kan vi ta Tellus. Av de tidningar jag har, utgivna av Tellus, samtliga med namnet "The DX-Voice of Tettus" och utgivna i Söderhamn, är den äldsta utgiven 1956 och anges vara nr 3, årg. 4. Av omslaget får man uppfattningen att klubben heter "Radio-Club Tellus" men i tidningen anges namnet "DX-klubben Tellus". Årsangivelsen börjar på nytt från årg. 1 1962. Jubileumsnumret våren 1963 nämns att klubben grundades 7.5. 1953 och mina egna noteringar visar att klubben fanns åtminstone ännu 1967. I de fall jag stött på DX-Club Tellus har jag ansett att det varit frågan om samma klubb. Jag har också en uppgift om att det 1976 fanns en klubb i Göteborg med namnet "Radioklubben Tellus".

Bilden visar ett av DX-klubben Tellus' QSL (på kortet "Radio-Club Tellus") som verifierar en rapport på ett specialprogram över HCJB den 27.11.1956. Kortet är signerat av en av klubbens grundare Claës-W Englund, som då var kassör i klubben.

(73, Tosso via NORDX)



### ColibriNANO

Hi all - just for information:

Another interesting SDR: <https://sunsdr.eu/product/colibrinano/>

- \* USB-2 Dongle, robust aluminium housing
- \* 14 Bit ADC
- \* Frequency range: 0.1 ... 55 MHz
- \* Blocking Dynamic Range (BRD): 110 dB
- \* IMD3 Dynamic Range: 95 dB

(73, Hubert Bollhalder via sdr-radio-com)



### KONG SDR

Sunday, April 2, 2017.

The Arctic DX Experience. Listen to the world from the Kongsfjord DX-pedition site at 71N, 29E with the KiwaSDR connected to a large-aperture Wellbrook loop.

[Site for the upcoming KONG KiwiSDR \(late summer 2017\)](#)

If things work out well, a KiwiSDR will be available from the KONG DX-pedition site in Kongsfjord, Arctic Norway, from late summer.

Read all about here: <http://kongsdr.blogspot.no/>  
(Bjarne Mjelde via Facebook DX-Listener's Club)



## Aero: Monitoring and Analyzing HF DL Messages

It's good to read that you have discovered one of the most powerful features of this software. I made up a practical step-by-step example on how to use nin demodulators/decoders in parallel:

[https://dk8ok.files.wordpress.com/2016/10/monitoring\\_hfdl\\_dk8ok.pdf](https://dk8ok.files.wordpress.com/2016/10/monitoring_hfdl_dk8ok.pdf)

It should answer every question.

As Mike Simpson now has further improved his PC-HFDL-Launcher from showing nine to now displaying up to even 25 decoder outputs, I am running very promising tests with the maximum of 24 demodulator outputs plus 24 PC-HFDL decoders in parallel - using just 20% of CPU.  
(73 Nils, DK8OK via sdr-radio-com)

## SDR application for Linux

Hi all, I just released a new version of an SDR receiver application for Linux, which supports the Perseus sdr via libperseus-sdr (as well as RTL-SDR dongles and the RSP1), I have been working on for some time. The app is called Sdrx and it can receive the usual modes (FM, USB/LSB, CW, AM and AM/S) as well as Time and Frequency standard stations (DCF77 on 77.5kHz, MSF on 60kHz, RBU on 66.67kHz and TDF on 162kHz).

Most data transmitted by these stations (date, time, summer time, DUT1 etc) is decoded and displayed.

Sdrx also has an FFT-based spectrum display (waterfall and 'scope), not calibrated at this time but still useful. Most settings can be selected from drop-down menus (sampling rate, samples buffer, FFT bandwidth, modulation mode, Weaver phasing frequency for SSB/CW and demodulator bandwidth). Station settings can be saved to a tree view list which can be used to select stations to receive.

Well, I dared publicise this, but even though I am a teach-your-self developer, I hope it can be of some use, since few if any suppliers of SDR units support Linux. You can find Sdrx on my website [www.qsl.net/5b4az](http://www.qsl.net/5b4az) or [www.5b4az.org](http://www.5b4az.org) (look for "SDR Receiver" in Ham Radio Software/Utility Software in the menu at left of the page).

(Best regards - Neok via Perseus\_SDR)

## ENIGMA Challenge coming

Museum announces transmission of ENIGMA machine code for a code breaking contest.

Hi group, <http://www.hnf.de/en/veranstaltungen/events/cipher-event-wer-knackt-den-enigma-code.html>

(from Heinz Nixdorf MuseumsForum (HNF) in Paderborn, Germany (computer museum):

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"Live: Cipher event – who can crack the Enigma code? 07 April 2017

For the second time in 10 years, HNF and colleagues from England's Bletchley Park are bringing historic technology from World War II back to life.

Several radio messages will be encrypted with an original Enigma device and transmitted in Morse code on radio equipment used at the time. The messages are to be decrypted with the help of a reproduction of a so-called "bombe" at Bletchley Park, the former British code-breaking centre.

Amateur radio enthusiasts in Germany and Europe are being urged to take part in this cipher event. Beginning at 9:30 a.m., they can hear the message on the 40 m band and try to decode it. People interested in the event are also welcome to watch the action live at the HNF.

The entire event will also be presented live on this page.

The decoded radio message should be sent to [enigma\(at\)hnf.de!](mailto:enigma(at)hnf.de)"

This came to my attention by heise.de, a German IT newsletter (Link in German):

<https://www.heise.de/newsticker/meldung/Enigma-Code-knacken-2-Cipher-Event-im-Heinz-Nixdorf-Museumsforum-und-auf-7036-kHz-3674906.html>

They report the frequency will be 7036 kHz (mode CW according to the above HNF link) and is scheduled for Friday 7 April at 0930 - I assume CEST (GMT +2) so 0730 GMT. According to heise.de the message will be transmitted from the museum (Paderborn, Germany), received in Bletchley Park to be deciphered by a reconstructed/rebuilt Turing Bombe.

I reckon this will be in the range of e.g. Twente SDR also for listeners outside the HF propagation area.

There will be a live stream at <http://www.hnf.de/EinigmaLive>

(Scheduled at a normal working day, I will not be able to tune in :-)

Best 73, DanielDE, (via Renato Tambellini, PY2UNX, radioescutas yg via DXLD)

## TV-DX av lite äldre datum

En förhoppningsvis intressant artikel från TV:s sena start i Sverige:

<http://www.vlt.se/allmant/tv-sandningar-till-vattentornet>

(Karl-Erik Stridh via NORDX)

# För sifferbitare

Vid SM i kortvågsslyssning 1964 gjorde Jan Erik Räf och Lars Rydén upp en liten statistik över deltagarnas ålder, mottagare etc. Kanske intresserar uppgifterna någon.  
(Torsten Söderström via NORDX)

## SM I KORTVÅGSSLYSSNING 1964

### DATA BÖTR. DE TÄVLANDES ÅLDER, RESULTAT OCH MOTTAGARUTRUSTNING

**Tabell 1:** Antal godkända rapporter på medverkande stationer. Rangordning mellan stationerna. (Använd som viktpoäng för att åtskilja tävlande med samma stations- och programdetaljpoäng.)

Rang-plats	Station	Antal godkända rapporter
1	Brassaville	56
2	Melbourne	80
3	New York, WRUL	85
4	San José, Radio Reloj	86
5	Cuzco, Radio Cuzco	87
6	Colombo, Radio Ceylon	110
7	Bern, SEC	136
7	Montreal, CBC	136
8	Peking	189
9	Quito, HCJE	198
10	Warszawa	207
11	Berlin, RBI	216
12	Prag	218

**Tabell 2:** De tävlandes fördelning på födelseår.

Född år	Antal	Född år	Antal	Född år	Antal
1896-1919	7	1945	7	1950	14
1920-1929	11	1944	10	1951	5
1930-1934	14	1945	15	1952	1
1935-1939	15	1946	24	1953	2
1940	2	1947	28	Okänt	2
1941	1	1948	35		
1942	5	1949	25	Summa	223

Medelålder: 18 år

Tidigare än 1945 = 72 stycken, utgör 33 procent.

Födda åren 1945-1949 = 125, utgör 57 procent.

**Tabell 3:** Antal födda före 1945, resp. 1945 eller senare, fördelade på antalet godkända rapporterade stationer. Åldersgruppernas inbördes förhållande.

Antal stationer	A. Födda 1944 eller tidigare	B. Födda 1945 eller senare	A : B
15	20	11	1,82
12	10	9	1,11
11, 10	8	14	0,57
9-7	22	52	0,42
Mindre än 7	12	61	0,20

**Tabell 4:** Använda mottagare, antal för varje fabrikat.

AGA (div. typer el. ej specificerat)	Eddystone	Hallifrafter	SX 99	1
AGA 1771/72	17	670 A	1	SX 110 1
ASEA	4	690 X	3	Hammarlund HQ 100 1
Blaupunkt	3	840 A	1	HQ 140 X 1
Centrum	6	888 A	1	HQ 145 X 4
Concerton	10	EIA	4	HQ 150 B 1
Collins 51J-4	1	Ornetz	1	HQ 180 B 1
51B-1	1	Grundig	3	Super Pro 1
DUX	8	Hallifrafter SX71	2	Hembygge 1
Echophone	1		1	HMF 1
			1	Huldra 3
				(Forts.)

**Tabell 4:** Fortsättning

Kungs Radio	1	MKL 941	1	Skantic	6
Lafayette HE 30	1	National NC 60	1	Stella	1
HE 80	2	173	1	Telefunken	1
Luxor (div., el. ej specificerat)	14	Norman	1	Trio 9R-59	10
Ambassadr	6	R 1155	2	Summa	226
Diplomat	4	Radiola	12		
Marconi (div., el. ej specificerat)	4	RCA AR 88	18		
CA 100	1	BC 348 Q	1		
CR 100/8	8	BC 348 R	5		
		Siemens	1		

(Anm.: Några deltagare använde två mottagare)

**Tabell 5:** Antal använda antenner.

Enbart utomhus: En antenn	136 deltagare
Två eller flera antenner	29 "
Enbart inomhus: En eller flera antenner	37 "
Kombination inom- och utomhus (en el. flera)	19 "
Okänt	2
Summa	223 deltagare

**Tabell 6:** Använda bandspelare, fördelade efter antal godkända stationer.

Antal godkända stationer tävlande	Bandspelare i procent av antalet deltagare med respektive antal stationer
15	31
12	19
11	11
10	11
9 - 7	76
Mindre än 7	72
Summa	221

**Tabell 7:** Använda bandspelare, antal för varje fabrikat.

Arena	1
DUX	14
Grundig	16
IM Ericorder	4
Luma	2
Luxor	9
Philips	42
Saba	1
SAJA	1
Skantic	1
Stuzzi	1
Tandberg	28
Telefunken	1
Summa	121
Ingen bandspelare:	100 deltagare
Uppgift saknas:	2 "

Stuvsta och Kallhäll den 10 september 1964  
Jan Erik Räf                      Lars Rydén