



DX MONITOR

The official publication of the
International Radio Club of America

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We are weekly now, please contribute! No WDXR, CDXR or EDXR this time!! Next Seattle deadline (V56_N06) Monday 10/08/18 4 PM PLT – pb.

NRC AM Radio Log

Orders for the 39th edition of the AM Radio Log are now being accepted at [Http://nationalradioclub.org](http://nationalradioclub.org). Postage and printing prices have remained stable and the so have this years' prices for the Log.
Wayne Heinen – Editor AM Radio Log

NRC Antenna Pattern Book 8th edition

Bill Hale has finished the book and it is at the printers.... It is available for sale now at the NRC website [Http://www.nationalradioclub.org](http://www.nationalradioclub.org). Click on Publication Center and click the link to Books.
73, **Wayne Heinen**

Pacific Asian Log Updated

I just completed another update to the Pacific Asian Log. The September 2018 version has been posted on the Radioheritage website: <http://www.radioheritage.net/>. You'll need to go through a couple of the site's internal links to get to the proper page, but when you get there you'll be able to download the PDF version and use the interactive version. If you have problems finding it, let me know and I'll send a copy directly.

There were many Chinese changes this time, as well as updates for stations in other countries. I'll issue another update in a couple of months.

Corrections and updates from users are always welcome and can be sent to portzert@comcast.net or portzertb@gmail.com.

First issued in 2001, The PAL lists medium wave and domestic shortwave broadcasting stations in southern and eastern Asia and the Pacific. It includes about 5000 stations in over 50 countries, with frequencies, call signs, locations, power, networks, schedules, languages, formats, networks and other information. **Bruce Portzer**



IRCA PRESIDENT – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
E-mail: portzertb@gmail.com

2019 Convention Bids

Bids for the IRCA 2019 convention are now being accepted. If you're interested, please contact me at the above email address for a convention bid form. Deadline for bids is 10/15/18.



JON DX ROUNDUP – Jon Pearkins-Edmonton AB
E-mail: jon@pearkins.co

Sangean PR-D15 with internal 200 mm ferrite bar.

- 910 CKDQ **AB**, Drumheller. From "910 CFCW" to "Real Country 910", dropping the partial simulcast of CFCW-840, but playing the same mix of classic and contemporary country. New web site at realcountry910.ca.
- 1390 KLGK **UT**, Logan. From AC/EZL "Lite 103.3" to "106.9 The Fan – Sports Talk Radio" to coincide with the launch of K295CW, an FM translator in Logan; KLGK is now a Fox Sports Radio affiliate, with some local programming and play-by-play of Utah Jazz Basketball. Lite 103.3 lives on as an HD channel of a sister FM station as well as on the FM translator that used to carry KLGK: K277BD in Weston, ID. New KLGK web site at 1069thefan.com.



DX WORLDWIDE/TROPICAL BAND DX – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: dxww.irca@gmail.com all times UTC

Deadline – Monday 1200 UTC.

*** TRANS-PACIFIC DX ***

- 558 **JAPAN** JOCR, Kobe. SEP 22 1339 – Fair, w/man in Japanese, then music, //1332. [NHP-BC]
- REP KOREA** HLOH, Yeong-il, KBS2. SEP 24 1305 – fair pop music and woman in Korean. [BP-WA]
- 567 **JAPAN** JOIK, Sapporo, NHK1. SEP 16 1310 – talk //594, fair-poor. [BP-WA]
 - +SEP 20 1322 – Japanese talk //594 fair-poor in KVI splash. [BP-WA]
 - +SEP 20 1344 – Woman and man in Japanese //594 excellent level. [NHP-BC]
 - +SEP 24 1317 – woman in Japanese //594 poor in KVI splash, fair w/song 1322. [BP-WA]
 - +SEP 25 1332 – Japanese talk //594. [BP-WA]
 - +SEP 26 1319 – Japanese talk fair //594. [BP-WA]
- 576 **AUSTRALIA** 2RN, Sydney. SEP 24 1355 – Good with woman DU English //621. [NHP-BC]
- 585 **AUSTRALIA** 7RN, Hobart. SEP 22 1336 – Fair w/woman talking //576. [NHP-BC]
- JAPAN** JOPG, Kushiro, NHK1. SEP 18 1322 – Poor w/woman talking //594, mixing with likely 7RN. [NHP-BC]
- 594 **AUSTRALIA** 3WV, Horsham. SEP 16 1347 – Fair w/man talking //612, mixing with JOAK 1347. [NHP-BC]
- JAPAN** JOAK, NHK1, Tokyo. SEP 16 1300 – time pips, then news rising to good level by 1302. [BP-WA]
 - +SEP 20 1307 – woman in Japanese fair. [BP-WA]
 - +SEP 24 1306 – man in Japanese good, sounded like news. [BP-WA]
 - +SEP 25 1310 – good man in Japanese. [BP-WA]
 - +SEP 26 1314 – man in Japanese good. [BP-WA]
- 603t **CHINA** Dongfang, CRI. SEP 28 1400 – Chimes and fanfare, poor strength. Dongfang seems unlikely, as it's on the west side of Hainan, and directional away from North America but it's the only CRI listed. [NHP-BC]
- JAPAN** JOOG/JOAK, Obihiro/Okayama, NHK1. SEP 24 1332 – Poor with brassy music //594. [NHP-BC]
- REP KOREA** HLSA, Seoul, KBS2. p SEP 16 1311 – weak music. [BP-WA]
 - +SEP 19 1326 – Excellent level, soft music followed by woman in Korean //558. [NHP-BC]
 - +SEP 24 1335 – poor pop music. [BP-WA]
 - +SEP 25 1334 – pop vocal song faded up for a couple of minutes. [BP-WA]
 - +SEP 26 1342 – weak talk and music. [BP-WA]

- 612 **AUSTRALIA** 4QR, Brisbane. SEP 22 1359 – Pop music, excellent level w/Night Life mention by woman 1359, and into fanfare. [NHP-BC]
JAPAN JOLK, Fukuoka, NHK1. SEP 26 1320 – fair w/talk //594. [BP-WA]
+SEP 27 1343 – Good w/woman talking //594 during a quiet period from 4QR. [NHP-BC]
UniD SEP 16 1306 – talk, in domestic splatter. [BP-WA]
- 621 **AUSTRALIA** 3RN, Melbourne. SEP 23 1332 – Poor w/man talking //585. [NHP-BC]
- 639 **AUSTRALIA** 5CK, Port Pirie. SEP 18 1330 – ABC fanfare, very weak, but enough for an ID. [NHP-BC]
CHINA CNR1. SEP 20 1332 – Excellent level w/man in Chinese, another man agreeing 1332; this could be listened to with synchronous demodulation centered on 639 (or even USB; only a het from 640 by now). [NHP-BC]
JAPAN JOPB, Shizuoka, NHK2. SEP 22 1329 – Poor w/piano music //774 1329. [NHP-BC]
- 657 **DPR KOREA** Pyongyang, Pyongyang BS. SEP 16 1300 – In domestic splatter, then talk in Korean, fair at 1304, good male talk 1308. [BP-WA]
+SEP 20 1300 – weak 3+1 pips, 1316 angry woman fair. [BP-WA]
+SEP 24 1300 – weak pips and bits of talk in domestic splatter. [BP-WA]
+SEP 25 1314 – woman god w/emphatic talk. [BP-WA]
+SEP 26 1313 – Korean talk fair. [BP-WA]
- 666 **JAPAN** JOBK, Osaka, NHK1. SEP 16 1315 – weak talk //594. [BP-WA]
+SEP 24 1324 – man and woman //594 poor in splash, fair 1331. [BP-WA]
+SEP 25 1336 – Japanese man good //594. [BP-WA]
+SEP 26 1331 – Japanese talk //594. [BP-WA]
- 693 **JAPAN** JOAB, Tokyo, NHK2. SEP 16 1300 – bits of talk, time pips, poor w/much CBU splash. [BP-WA]
+SEP 20 1310 – fair English lesson //774. [BP-WA]
+SEP 20 1324 – Peaking to excellent level, Chinese lessons. [NHP-BC]
+SEP 25 1315 – Chinese lesson good in CBU splash. [BP-WA]
+SEP 26 1331 – Chinese lesson good. [BP-WA]
- 702 **AUSTRALIA** 2BL, Sydney. SEP 22 1331 – piano music, female vocal, excellent strength //612. [NHP-BC]
JAPAN JOKD/JOFB, Kitami/Hiroshima, NHK2. SEP 23 1343 – Good w/man in Japanese //774. [NHP-BC]
+SEP 24 1309 – woman //693, weak with much KIRO splatter. [BP-WA]
+SEP 25 1308 – Chinese lesson poor in KIRO splat. [BP-WA]
- 711 **REP KOREA** HLKA, Seoul. SEP 25 1335 – Good w/man in Korean. [NHP-BC]
- 729 **JAPAN** JOCK, Nagoya, NHK1. SEP 20 1329 – Poor w/woman talking //594. [NHP-BC]
+SEP 24 1319 – man and woman //567 poor in 730 splash. [BP-WA]
- 729 **UniD** SEP 20 1259 – bits of music just before ToH, had a Chinese flavor to it, not //594. [BP-WA]
+SEP 25 1337 – vocal music fair in 730 splash, not //594 so possibly China. [BP-WA]
+SEP 26 1337 – love ballad type song in 730 splash, probably China, not //594-Japan. [BP-WA]
- 738p **TAIWAN** Baisha, BEL2. SEP 20 1303 – woman in Chinese fair. [BP-WA]
+SEP 23 1336 – Fair w/man talking //1143. [NHP-BC]
+SEP 24 1315 – fair woman in rapid Chinese, quite good 1332. [BP-WA]
+SEP 25 1310 **p** – Chinese talk. [BP-WA]
+SEP 26 1318 – fair Chinese talk. [BP-WA]
- 747 **JAPAN** JOIB, Sapporo. NHK2. SEP 16 1301 – good w/English lesson //774. [BP-WA]
+SEP 20 1308 – fair English lesson //774. Chinese lesson 1319 fair. [BP-WA]
+SEP 24 1300 – ending English lesson, then 3+1 pips and start of Chinese lesson good, quite loud by 1303. [BP-WA]
+SEP 25 1311 – Chinese lesson quite good. [BP-WA]
+SEP 26 1325 – Chinese lessons good. Still good 1357 with Portuguese news //774. [BP-WA]
- 756 **CHINA** CNR1. SEP 16 1300:30 – mumbled ID and theme music, 1301 Chinese talk weak. [BP-WA]
- 774 **JAPAN** JOUB, Akita, NHK2. SEP 16 1301 – good with language lesson "defrost the meat in the microwave oven." [BP-WA]
+SEP 20 1308 – good but splashy with English lesson about customer database software. [BP-WA]
+SEP 24 1300 – pips, then Chinese lesson fair-good, fair. 1400 w/time pips and start of English lesson. [BP-WA]
+SEP 25 1309 – Chinese lesson good. [BP-WA]
+SEP 26 1311 – Chinese lesson good. Still good w/news in Portuguese 1357, mention of "NHK World" 1359, then music fill to ToH, 3+1 pips 1400, then start of English lesson. [BP-WA]
- 792 **AUSTRALIA** 4RN, Brisbane, ABC National. SEP 22 1336 – Good w/woman in DU English //576. [NHP-BC]
- 801 **UniD** SEP 24 1332 – woman talking poor, sounded Chinese. [BP-WA]
+SEP 26 1346 – woman in Chinese poor, almost fair, heard briefly. [BP-WA]
- 819 **DPR KOREA** Pyongyang, KCBS. SEP 16 1301 – a few syllables of talk when KGNW splash relented. [BP-WA]
+SEP 20 1302 – emphatic talk fair in KGNW splash. [BP-WA]
+SEP 24 1300 – announcement by woman, 3+1 pips at ToH, then man talking fair-poor in KGNW splash. [BP-WA]
+SEP 25 1308 – weak emphatic talk mostly buried in KGNW splash, much better 1314 woman singing w/orchestral backing. [BP-WA]
+SEP 26 1335 – very poor today with bits of music in KGNW splash. [BP-WA]
- 828 **JAPAN** JOBB, Osaka, NHK2. SEP 16 1301 – good w/English lesson //774. [BP-WA]
+SEP 20 1321 – Chinese lesson fair. [BP-WA]
+SEP 24 1302 – Chinese lesson fair-good. [BP-WA]
+SEP 25 1309 – Chinese lesson good. [BP-WA]
+SEP 26 1311 – Chinese lesson good. [BP-WA]
- 837 **CHINA** UniD. SEP 16 1300 – 5+1 pips, woman in Chinese, too weak to ID. [BP-WA]
+SEP 26 1349 – Chinese talk fair-poor. [BP-WA]
JAPAN JOQK, Niigata, NHK1. SEP 23 1338 – Fair w/man in Japanese //594. [NHP-BC]
UniD SEP 24 1312 – male talk fair-poor possibly Korean, not Chinese or Japanese, weak Chinese woman in background. [BP-WA]
- 846 **UniD** SEP 26 1339 – woman talking, couldn't ID language. [BP-WA]
- 855 **DPR KOREA** Sangwon, Pyongyang Bangsong. SEP 16 1301 – Fair w/man in Korean, snagged a North Korean parallel with 657 at 1318; this had 3 and one pips on the hour, sounding more sluggish than the usual NHK/KBS set. [NHP-BC]
UniD SEP 20 1300 – 3+1 pips and weak talk, too weak to ID language, possibly DPRK. [BP-WA]
- 864 **REP KOREA** HLKR, Gangneung, KBS1. SEP 25 1345 – Good w/man talking //711 which was considerably weaker by now. [NHP-BC]
UniD SEP 16 1300 – 3+1 pips, weak male talk, probably Japanese. [BP-WA]
+SEP 20 1304 – deep voiced man, couldn't quite tel language, fair but much splatter. [BP-WA]
+SEP 24 1316 – man in Japanese fair. [BP-WA]
- 891 **JAPAN** JOHK, Sendai, NHK1. SEP 24 1354 – Good w/Japanese pop music //594. [NHP-BC]
- 900 **UniD** SEP 16 1300 – 5+1 pips mixing w/domestic, too weak to hear any talk. [BP-WA]
- 909 **JAPAN** JOCB, Nagoya, NHK2. SEP 20 1335 – Poor w/man talking //828. [NHP-BC]
- 918 **CHINA** UniD. SEP 16 1322 – 3 people talking, at least one sounded Chinese, possibly language lesson fair-poor 1255. Also 1322-1330+ similar program, sounded like either a radio drama or language lesson but too weak to ID language. [BP-WA]
+SEP 20 1302 – woman in Chinese fair, probably Shandong. [BP-WA]
+SEP 24 1325 – Chinese male fair-poor probably Shandong. [BP-WA]
+SEP 25 1338 – weak talk. [BP-WA]
+SEP 26 1328 – male talk poor, Chinese intonations, probably Shandong. Much better (fair) 1342 w/Chinese talk, possibly radio drama, about as strong as 972. [BP-WA]
- 936p **CHINA** Hefei, Anhui RGD. SEP 16 1300 – weak pips and talk, probably China. [BP-WA]
+**p** SEP 26 1319 – Chinese talk poor, probably Anhui. [BP-WA]
+SEP 26 1340 – Fair w/man talking //webstream <http://www.ahrvtv.cn/am936/> with ~20second delay. [NHP-BC]

- 945 **CHINA** Jiaohu, CNR1. SEP 16 1300 – weak pips, fair w/operatic singer //98CHI1/756. [BP-WA]
 +SEP 24 1309 – good signal but much KJR splash, woman in Chinese. [BP-WA]
 +SEP 24 1336 – Good with woman in Chinese, big fade up; noted //1098 a minute earlier. [NHP-BC]
 +SEP 25 1324 – Chinese talk //1098 fair. [BP-WA]
 +SEP 26 1329 – poor talk //981. [BP-WA]
- 954 **JAPAN** JOKR, Tokyo, TBS. SEP 17 1326 – Excellent w/man in Japanese peaking at this time; also 26 Sept, Japanese man.
 +SEP 25 1328 – Japanese talk, good signal but much KJR splash. [BP-WA]
- 963 **CHINA** Huaoduan, CRI. SEP 16 1320 – fair woman and man in Russian, then female song //1323. [BP-WA]
 +SEP 20 1328 – Woman talking, weak, probably CRI Russian. [BP-WA]
 +SEP 24 1310 – good woman in Russian. [BP-WA]
 +SEP 25 1334 – woman in Russian //1323 good. [BP-WA]
 +SEP 26 1337 – weak music //1323. [BP-WA]
 +SEP 27 1334 – Almost martial choral vocal //1323, good strength. [NHP-BC]
- 972 **REP KOREA** HLCA, Dangjin. SEP 16 1259:45 – station announcement by woman, 1300 pips, then start of next program, good w/unid talk (Chinese?) in background. [BP-WA]
 +SEP 20 1300 – 3+1 pips and start of program fair-good. [BP-WA]
 +SEP 24 1309 – good w/the usual variety show. ToH announcements and pips, then start of next program 1400 still good-fair after everyone else faded down. [BP-WA]
 +SEP 25 1306 – good with discussion in Korean. [BP-WA]
 +SEP 26 1314 – conversation in Korean good. [BP-WA]
- 981 **CHINA** CNR1 synchros. SEP 16 1307 – operatic female w/orchestral accompaniment good //756/945. [BP-WA]
 +SEP 17 1320 – Fair, w/two men in Chinese //945. [NHP-BC]
 +SEP 20 1309 – Chinese talk poor in CKNW splash. [BP-WA]
 +SEP 24 1310 – man in Chinese //945 fair in CKNW splash. [BP-WA]
 +SEP 25 1308 – echoey Chinese talk good-fair in CKNW slash. [BP-WA]
 +SEP 26 1330 – Chinese talk fair //945/1098. [BP-WA]
- 1017 **UnID** SEP 26 1335 – weak operatic-like vocal music, probably CRI Korean service. [BP-WA]
- 1035 **UnID** SEP 16 1300 – faint partial 3+1 pips, apparently either HLCP or NHK2 (7 sites at 1kw or less). Was expecting CNR1. [BP-WA]
- 1089 **CHINA** Fuzhou, CNR6. SEP 16 1307 – woman in Chinese fair in local KFNO-1090 splatter, probably Liaoning. [BP-WA]
- 1098 **CHINA** CNR1. SEP 24 1312 – Chinese man //945 fair-poor. [BP-WA]
 +SEP 25 1324 – Chinese talk fair-poor //945. [BP-WA]
 +SEP 26 1329 – Chinese talk weak //981, fair w/male talk 1338. [BP-WA]
 +SEP 26 1338 – Fair w/man talking //945. [NHP-BC]
UnID SEP 16 1312 – female operatic, fair-weak in domestic splatter, sounded similar to the one being aired on CNR1 but not sure if it was //. [BP-WA]
 +SEP 20 1316 – weak talk. [BP-WA]
- 1134 **REP KOREA** HLKC, Kimpoo, KBS. SEP 16 1327 – Woman and man in Korean briefly made it to this level 1327, excellent, leveling the splash. [NHP-BC]
- 1143 **TAIWAN** Baisha, BEL3. SEP 23 1331 – Fair w/man and woman talking //738, sounded almost Hindi, guess Tagalog more likely? [NHP-BC]
 +SEP 24 1328 – Chinese talk //738. [BP-WA]
- 1152 **JAPAN** JORP/KOPC, Kochi/Kushiro, NHK2. SEP 21 1352 – Poor, w/woman talking //774, likely Kushiro. [NHP-BC]
- 1179 **UnID** SEP 25 1341 – weak talk in 1180 splash, sounded like Chinese. [BP-WA]
- 1188 **JAPAN** JOKP, Kitami, NHK1. SEP 25 – Fair w/man bellowing in Japanese //594. [NHP-BC]
- 1206 **CHINA** Yanbian, PBS. SEP 16 1306 – Korean talk and music fair at best, slightly off-freq (like usual) and somewhat distorted. [BP-WA]
 +SEP 20 1308 – Korean talk fair-poor. [BP-WA]
 +SEP 24 1313 – woman in Korean, on about 1205.06 nice signal. [BP-WA]
 +SEP 25 1325 – Korean talk fair on 1205.95 kHz. [BP-WA]
 +SEP 26 1312 – man in Korean fair. [BP-WA]
- 1224 **JAPAN** JOJK, Kanazawa, NHK1. SEP 20 1348 – Poor w/man talking //594. [NHP-BC]
- 1242 **JAPAN** JOLF, Tokyo. SEP 23 1359 – Fair, w/man in Japanese, cuckoo pips 1400. [NHP-BC]
 +SEP 25 1340 – fair-poor woman talking in KKDZ splash. [BP-WA]
- 1287 **JAPAN** JOHR, Sapporo, HBC. SEP 16 1321 – Japanese talk fair. [BP-WA]
 +SEP 24 1328 – Japanese talk fair, phone conversation briefly good 1337. [BP-WA]
 +SEP 24 1338 – One of those heavy duty fades up, briefly excellent with woman in Japanese. [NHP-BC]
 +SEP 25 1337 – good-fair Japanese talk. [BP-WA]
 +SEP 26 1352 – poor Japanese talk. [BP-WA]
- 1296 **JAPAN** JOTK, Matsue, NHK1. SEP 17 1327 – Poor w/man and woman talking, very weak, but //594. [NHP-BC]
- 1323 **CHINA** Shuangyashan, CRI. SEP 16 1308 – woman in Russian fair. [BP-WA]
 +SEP 20 1320 – poor in splash w/woman talking in presumed Russian. [BP-WA]
 +SEP 24 1310 – woman in Russian, strong signal but equally strong electrical buzz. [BP-WA]
 +SEP 25 1342 – woman in Russian good //963. [BP-WA]
 +SEP 26 1344 – bits of talk //963. [BP-WA]
- 1332 **JAPAN** JOSF, Nagoya. SEP 22 1336 – Fair w/man and woman in Japanese. [NHP-BC]
 +SEP 25 1350 – cheerful Japanese woman fair. [BP-WA]
- 1422 **JAPAN** JORF, Yokohama. SEP 22 1337 – Assumed w/woman in Japanese 1337, excellent level, best on North Flag. [NHP-BC]
 +SEP 25 1306 – happy Japanese woman, good peaks, but mostly fair-poor. [BP-WA]
- 1566 **REP KOREA** HLAZ, Jeju, FEBC. SEP 16 1315 – good with the usual Sunday church service in Japanese. [BP-WA]
 +SEP 20 1313 – woman in Japanese "FEBC" ID good. [BP-WA]
 +SEP 24 1331 – Japanese man fair, this one under-performed today. [BP-WA]
 +SEP 25 1320 – hymns and Japanese talk, sometimes good, often fair-poor. [BP-WA]
 +SEP 26 1322 – Japanese conversation fair. [BP-WA]
- 1575 **THAILAND** Ban Phachi, VOA. SEP 16 1330 – good "Welcome to the Voice of America in Khmer", then Khmer program. [BP-WA]
 +p SEP 25 1338 – talk in UnID language, mostly weak, fair on peaks. [BP-WA]
- 1593 **CHINA** Changzhou, CNR1. SEP 27 1349 – Poor w/woman and man //945. [NHP-BC]
- 1701 **AUSTRALIA** Brisbane, Radio Brisvaani. SEP 22 1344 – This was 30Hz high, matching Radio Brisvaani's offset. Poor w/man talking and into Arabic sounding chant. Is this puppy really 100 watts? [NHP-BC]

CONTRIBUTORS

BP-WA **BRUCE PORTZER**, Seattle WA bportzer@comcast.net

Elad FDM-S2, 10x40 foot north-facing flag antenna

NHP-BC **NICK HALL-PATCH**, Victoria BC nhp@ieee.org

AOR AR7030, RFSpace NetSDR; RFSpace SDR-14 running DX Fishbarrel program; north FLG-100 antenna, west FLG-100 antenna, 1m indoor box loop, 14m sloper, DXF-3 phasing unit

Great TP logs! 73 and Good DX – Brandon





(I did not check the frequency, call and location of these logging. They appear as reported – pb)

Newfoundland 2015 – Jean Burnell logs

Freq country, slogan, location, UTC time/date, SINPO and details

- 540 **BRAZIL** ZYJ450, Radio Fluminense, Rio de Janeiro RJ. 0031 11/08. 32342 possible program promo, 0032 "Rádio Fluminense" and more talk; QRM CBT.
DOMINICAN REPUBLIC HICM, Radio ABC, Santo Domingo. 0859 11/14. 22432 national anthem; QRM CBT.
MOROCCO SNRT Al Idaâ Al-Watania, Sidi Bennour. 0259 11/08. 22321 AA singing, 0300 woman w/"Al Idaâ Al-Watania" far under QRM, 0300:10 sombre classical music, //595; QRM CBT and Onda Cero.
USA WFLF, Pine Hills FL. 0300 11/09. 32442 program ending, 0300 "WFLF, Pine Hills-Burlington, and WMGF... in Mount Dora-Orlando"; QRM under CBT.
- 550 **COLOMBIA** Radio Nacional de Colombia, HJHF, Marinilla. 0402 11/13. 23332 promo w/many IDs for "Radio Nacional de Colombia"; QRM another Spanish station, likely Venezuelan.
PUERTO RICO WPAB, Ponce. 0800 11/14. 22332 in a mix, "Transmite WPAB..." then possible station song.
URUGUAY CW1, Radio Colonia, Colonia. 0659 11/14. 34333 song, first bars of "The Stars and Stripes Forever" then ID and news intro, same bars of march and news; QRM likely Venezuela.
- 558 **SAUDI ARABIA** SBC Koran Program, Jeddah. 2300 11/07. 224X1 Koran in a gap in RNE, //567, 576, 765, 792, 936, 981, 999, 1512, but 588 was 3.11 seconds behind 765.
- 560 **ARGENTINA** Radio Nacional, La Quiaca or Esquel. 0859 11/14. 23432 song, 0900 pips, familiar RN sounder, "Por Nacional... informa," w/temperature in Buenos Aires, news, //730, 750, 790, 960; QRM WGAN, Radio Rebelde and Guyana on 559.93.
BRAZIL ZYH887, Radio Educadora do Maranhão, São Luís MA. 2259 11/13. 33443 A Voz do Brasil to 2301, full ID; QRM splatter from 559.78.
- 567 **SYRIA** SRTV1, Dimashk, Adra/Damascus. 2100 11/7. 12431 music becomes apparent at 2100:30, //783 but 783 is 0.74 sec behind 567; QRM RNE and AA w/Koran.
- 570 **COLOMBIA** HJND, Radio Nacional de Colombia, El Rosal/Bogotá. 0258 11/8. 33343 old-fashioned Latin American music, IDs at 0259:20, promo for "Noche Radio Nacional de Colombia" free event on 11/18, 0301 music; QRM Radio Reloj and Radio Argentina.
- 570.030 **ARGENTINA** Radio Argentina, Buenos Aires. 0300 11/8. 22322 0300:25 fading up w/national anthem; QRM Radio Nacional de Colombia and Radio Reloj.
- 576 **SAUDI ARABIA** SBC Koran Program, Jazan. 2258 11/7. 32332 Koran under RNEs, //558, 567, 765, 792, 936, 981, 999, 1512, but 576 was 0.71 seconds behind 765.
- 580 **BRAZIL** Radio Fátima, ZYK318, Vacaria RS. 2257 11/7. 24433 talk program, ends w/telephone number many times, 2300:00 man "Rádio Fátima" and more talk, much be overtaken abruptly by Radio São Gabriel at 2301.
BRAZIL ZYK299, Radio São Gabriel, São Gabriel RS. 2301 11/7. 23433 up quickly over Radio Fátima w/many "Tchê do Brazil" slogans and hype.
BRAZIL ZYI776, Rede Brasil, Recife PE. 2057 11/14. 33343 music ends, 2057:45 "Rede Brasil Pernambuco" ID, promos for Rede Brasil programs; QRM splatter from 576 and 585.
- CUBA** Radio Rebelde, Mabujabo/Baracoa. 0459 11/16. 23442 0359:40 begin national anthem, 0400:30 short theme music, man "Rebelde, La Habana, emisora de la revolución," //530, 600, 670, 1180; QRM CFRA, WKAQ and perhaps another Spanish station.
- 585 **TUNISIA** RTV Tunisienne, Gafsa. 2258 11/7. 32332 Arabic music, 2300 woman w/"Huna Tunis," swamped by RNE fanfare, woman w/news, //630.
- 590 **CUBA** Radio Rebelde, Guantánamo. 0459 11/8. 12331 VOXM was quiet for a moment, beginning of national anthem, //530, 610, 670, 710, 770, 1180, 1550, 1620 (times well coordinated).
DOMINICAN REPUBLIC HIDV, Radio Santa María, La Vega. 0859 11/16. 22442 from 0858:30 flute IS heard while VOXM was quieter [ID by Mauno Ritola and Dino Bloise/RealDX and IS confirmed on webstream].
- 594 **SAUDI ARABIA** SBC Radio Riyadh, Doha. 0259 11/9. 33443 male talk over music, 0300 ID, intro news, news headlines separated by fanfares; QRM splatter from VOXM 594 and Morocco 595.
- 595 **MOROCCO** SNRT Al Idaâ Al-Watania, Oujda. 0259 11/8. 23322 AA singing, 0300 woman w/"Al Idaâ Al-Watania," 0300:10 sombre classical music, //540; QRM splatter from VOXM and Saudi on 594.
- 600 **BRAZIL** ZYH920, Radio Mirante AM, São Luís MA. 0301 11/8. 44444 music, 0301:15 full ID, ad, TC, more ads.
COLOMBIA HJHJ, Radio Libertad, Barranquilla. 1000 11/14. 33443 local accordion music, 1003 male announcer mentioned Buena Radio, introduces himself, 1003:45 fanfare and ID w/internet promo, 1004 music again; QRM Radio Rebelde and CBNA.
ECUADOR HCXY2, Radui Ciudadana, Guayaquil. 0800 11/8. 23321 possible music, 0800:35 man w/poor ID but then mentioned "ministerio de... del Ecuador... publica"; QRM CBNA and others.
- 603 **FRANCE** France-Info, Lyon. 0258 11/8. 33333 piano music by Michael Nyman "The Heart Asks for Pleasure First," fanfare, TC, ID, news; QRM Spain.
- 610 **COLOMBIA** HJKL, RCN La Cariñosa, Bogotá. 0859 11/14. 33433 RCN ID then "La Cariñosa, Bogotá" ID, station hype, 0900:15 begin some program; QRM Radio Rebelde.
USA KDAL, Duluth MN. 0959 11/14. 24343 0959:25 weather, 1000 "AM 6-10, KDAL, Duluth-Superior News, Weather, Sports" then CBS news; QRM splatter.
- 612 **KENYA** KBC Radio Taifa, Ngong/Nairobi. 2032 11/11. 123X1 highlife music, //675 (best at 2032:26); QRM mainly Morocco.
- 620 **BRAZIL** ZYK521, Radio Jovem Pan, São Paulo SP. 0757 11/8. 23342 discussion program, which seems to end at 0758 w/ID "Jovem Pan Rádio" then station stuff, affiliates list at 0800; QRM station w/oldies.
USA WDAE, St Petersburg FL. 0258 11/9. 34433 local ads, 0258:30 "The Overtime Show on Tampa Bay sports radio, 6-20, WDAE and 95.3 FM" and sports talk; QRM Radio Rebelde and splatter.
- 630 **TUNISIA** RTV, Tunisienne. 2258 11/7. 34444 Arabic music, 2300 woman w/"Huna Tunis," fanfares, man w/something about "watania" and then intros news, which was read by woman; QRM Portugal.
- 650 **BRAZIL** ZYI540, Radio Clube do Tapajós, Santarém PA. 2157 11/14. 33343 football play-by-play, game ends 0-0 at 2201, ID "ZYI540, 650 kilohertz, Rádio Clube do Tapajós, Santarém, Pará, Brasil, emissora afiliada à Rede Brasil Amazonas", then seems to go into an evangelical program; QRM CKGA w/VOXM bingo [Station listed as Radio Tropical, but Rádio Clube do Tapajós has a website <http://www.radioclubedotapajos.com.br/pagina-inicial>].
CUBA Radio Progreso, Ciego de Ávila. 0400 11/8. 34343 ballad, 0400:35 ID, more music; distorted audio due to transmitter problem.
USA WSRO (tent), Ashland MA. 1000 11/14. 22332 Brazilian-Portuguese ads under CKGA.
- 657 **ISRAEL** Reshet Bet, Yavne/Tel Aviv. 2258 11/7. 32432 talk sounds like ads, 2300 pips, man talk in Hebrew, into news; QRM Italy and Spain.
ITALY RAI Radio 1, Pisa. 2258 11/7. 33432 talk, 2259 national anthem, 2300 pips, ID, pause then news; QRM Israel and Spain.
SAUDI ARABIA SBC Koran Program, Rafha. 2157 11/8. 32432 Koran, //512, but 657 is 2.88 sec ahead of 1512; QRM mainly Spain.
- 660 **BRAZIL** ZYK777, Radio Mundial, São Paulo SP. 0757 11/8. 34343 woman w/promo man "Mundial," ad, another promo ending w/web address, 0758:30 music male intros religious program "A Voz da...ca" w/choir, "Igreja apostolica"; QRM from WFAN.
- 675 **KENYA** KBC Radio Taifa, Marsabit. 2130 11/11. 33333 talk in local language, "Radio Taifa" at 2058:49, more talk, 2101:30 up w/highlife music //1152 at this time, male talk 2101:58 "KBC Radio Taifa" (but definitely 2 stations, other station seems to have man w/news).
MALAWI MBC Radio 1, Ekwendeni. 2130 11/11. 34333 Lucky Dube "Remember Me", //756, 1404, 1422.
QATAR Qatar Media Corporation, Al-Arish/Doha. 2059 11/7. 33433 AA music, 2100 male ID "Doha" then news w/headlines first and lots of sounders; QRM Arabic station.
SAUDI ARABIA SBC Radio Riyadh, Afif & Abha. 2300 11/7. 15431 woman w/ID, fanfare and man w/news, //1521, but 675 was 3.04 seconds behind 1521.
- 679.965 **BRAZIL** ZYK275, Radio Farroupilha, Porto Alegre RS. 0229 11/8. 24333 repetitive Brazilian song, 0229:40 man few words, canned woman very deliberate one word "Farroupilha" and same sort of music again.
- 680 **BRAZIL** ZYH471, Radui Clube, Santo Antônio de Jesús BA. 2059 11/14. 33322 music, many excited "Clube Rádio" IDs and station hype; QRM another Brazilian which fades in and out often.
COLOMBIA HJZO, Radio Nacional de Colombia, Sabanagrande/Barranquilla. 1002 11/14. 32432 dance music, 1002:15 male announcer begins promo for event mentions Radio Nacional de Colombia, 1003:15 ID and music again; QRM WRKO and WAPA.

- 684 **SAUDI ARABIA** SBC Radio Jeddah, Bahrah/Jeddah. 2201 11/8. 21431 music like from early video game... woman few words before music, //702 on which was an ID that was not decipherable on 684; QRM Spain.
- 690 **ECUADOR** HCJB1, La Voz de los Andes, Quito. 1000 11/14. 23433 pips, bit of Andean flutes, woman talk Quechua, 1002 flutes, 1003 woman talk again; QRM CKGM and Radio Progreso.
- 693 **PORTUGAL/AZORES** RDP Antena 1, Santa Bárbara/Terceira. 2130 11/11. 44454 Mafalda Arnauth and Atlanihda "Vazio", 2133 woman talk about music, continues night w/"Antena 1"; QRM BBC Five Live.
- 700 **ARGENTINA** LV3, Radio Córdoba, Córdoba. 0302 11/8. 24332 national anthem by men's choir, same version as was heard in 2013.
BRAZIL ZYK686, Nossa Rádio, São Paulo SP. 2159 11/7. 34333 lively music ends, enthusiastic man says "Nossa Rádio", talks about upcoming programming thanking listeners, men Nossa Rádio available a vivo, 2200:15 canned ID; local electrical noise.
COLOMBIA HJXC, W Radio, Cali. 0859 11/14. 24433 Anita Ward "Ring My Bell," 0900:20 promo for music program, 0901 W Radio ID and promo for "Boogie Nights" program.
- ECUADOR** HCRS2, Radio Sucre, Guayaquil. 0958 11/16. 25443 ad string, 0959:45 "¡Buenos Dias Ecuador!" lots of promos w/sound effects and many IDs, 1000:40 promo for Venezuela-Ecuador football coverage, more hype w/cock crowing; local noise.
- 702 **ALGERIA** Radio Laghouat, Laghouat. 2100 11/7. 32322 distinctive Algerian pips and fortuitous fade-up as man says three words of which the third was "Laghouat," woman then man talk; far below Saudi Arabia.
SAUDI ARABIA SBC Radio Jeddah, Duba. 2100 11/7. 34444 talk, possible program promos?, 2101:10 bit of music, 2100:25 fanfare, woman w/ID finishing with "Jeddah," man w/news; QRM Algeria.
- 710 **BRAZIL** ZYI534, Radui Rural, Santarém PA. 2158 11/14. 33333 fade up w/women talk, 2200 tone deaf woman sings religious song but suddenly includes the familiar line "You say goodbye and I say hello"; 2227 religious singing, 2231:30 ID by man "ZYI534, onda media 710 kHz, 25 kW de potencia, Rádio Emissora de Educação Rural Limitada, Santarém, Pará...", then woman w/"Aqui Rural..."; music; QRM CKVO.
- 720 **CUBA** CMMC, Radio Progreso, Mabujabo/Baracoa. 1001 11/14. 33443 lively music, standard TOH jingle and ID "Onda de la alegría," 1002 woman w/TC as "cinco de la mañana" and intros music program; QRM splatter.
PARAGUAY ZP17, Radio Pa'i Puku, Teniente Irala Fernandez. 0900 11/8. 24333 wind sound from 0859:45, s/on by man, woman w/religious talk over guitar, 0902:45 local music.
- 730 **ARGENTINA** LRA27, Radio Nacional, Catamarca. 0858 11/14. 23422 song, 0900 pips, familiar RN sounder, "Por Nacional, la Argentina se informa," then seems male talk; QRM Radio Progreso and Melodía Stereo.
BRAZIL ZYH759, Radio 730 AM, Goiânia GO. 0657 11/16. 22332 bad local noise, lively music, two IDs and mentioned Goiânia, intro program but first animal noises for a minute.
COLOMBIA HJCU, Melodía Stereo, Bogotá. 0900 11/14. 33443 serious talk by man, 0902:20 bells, en "Melodía Stereo la hora oficial las cuatro," then ID w/frequency, old trumpet pop tune; QRM Radio Progreso.
- PARAGUAY** ZP7, Radio Cardinal, Lambaré/Asunción. 0359 11/8. 34333 local music, 0359:40 program promos, 0400:30 ID for FM stations and Cardinal on MW, more local music.
- 747 **SAUDI ARABIA** SBC Radio Jeddah, Buraidah. 2201 11/7. 12221 threshold, just bits of energetic flute, //702, 783, 810, 1089, 1098, 1116; QRM Spain.
- 750 **ARGENTINA** LRA7, Radio Nacional, Córdoba. 0400 11/8. 22332 0400:15 pips, possible jingle, 0400:37 little Radio Nacional pre-news tune, then "Por Nacional, la Argentina se informa"; QRM CBGY and later another Spanish station.
BRAZIL ZYL213, Radui América, Belo Horizonte MG. 2201 11/14. 32332 music, 2201:30 brief talk, "América AM, ZYL213" and more talk; QRM under CBGY.
- 756 **MALAWI** MBC Radio 1, Blantyre. 2131 11/11. 23332 Lucky Dube "Remember Me", //675, 1404, 1422; QRM Deutschlandfunk and splatter (756 is 1.67 seconds ahead of 675).
NIGERIA Radio Oyo, Ibadan. 2100 11/11. 23432 2100 jingle?, 2100:30 woman w/news in English appears through Deutschlandfunk, 2100:50 nice fade up w/jingle "[?] Radio O-Y-O", news continues, 2101 "...President Buhari..."; QRM Deutschlandfunk and splatter from 750.
- UNITED KINGDOM** BBC Radio 4, Redruth. 2059 11/7. 33343 program "The End of the Rope" ending, program promos, ID, pips, news; QRM Romania.
- 760 **ARGENTINA** LU6, Emisora Atlántica, Mar del Plata. 0030 11/8. 33533 bit of music, announce ad string, 0030:45 ID as "Radio Atlántica", talk w/some music; local line noise.
- 765 **MOZAMBIQUE** EP de Nampula, Nampula. 2103 11/11. 23331 possible local music, short choral tune at 2130:20 before the national news, //873, 1026, 1179, 1224 (765 is 0.11 seconds ahead of 1179); QRM likely Ukraine and other.
SAUDI ARABIA SBC Koran Program, synchronos. 2057 11/7. 34444 Koran, //873.
SUDAN SRTC Sudan Radio, Khartoum. 2000 11/11. 34343 pop Arabic music, 2000:30 echoed pips, ID, news.
- 770 **BRAZIL** ZYJ922, Radio Atalaia, Aracajú SE. 2157 11/14. 34323 promo or station hype, many IDs, but fades quickly.
- 780 **ARGENTINA** LV8, Radio Libertador, Mendoza. 0400 11/8. 24332 pips, talk, 0401 ID, 0401:30 ads, 0402 faded under Radio Caiçara; QRM Radio. Caiçara.
ARGENTINA LRA12, Radio Nacional, Santo Tomé. 0859 11/14. 33433 song, few words //730, but no pips, then, unlike 730, a distinctive piano then man singing version of national anthem to past 0903; QRM Radio Coro [Webstream for Radio Nacional Santo Tomé was not available, but sign-on is listed on MWList as 0900. Radio Nacional Ushuaia is listed on MWList and WRTH as 24 hours. The webstream of Radio Nacional Libertador, with MWList-listed sign-on at 0900, had Argentinean music overnight, and at 0900 had news, but no anthem.]
BRAZIL ZYK279, Radio Caiçara, Porto Alegre RS. 2359 11/7. 24332 fade up w/call and ID, talk.
BRAZIL Radio Juá, Juatuba MG. 0459 11/14. 24332 local music (sertanejo), 0500:15 man w/ID seems to start w/call ZY---8, but audio is muffled, 0500:30 canned ID then woman talk, 0501 "www.radiojua.com.br", music; QRM another Brazilian [Station not listed in WRTH-2016 or -2017, nor on MWLIST. The web address is a dead link, but the station is on Facebook: <https://www.facebook.com/radiojua/?ref=ts>]
PARAGUAY ZP70, Radio Primero de Marzo, Asunción. 0302 11/11. 34333 0302:30 fade up w/music, ID and intro for program "Madrugada 7-80".
- 783 **MAURITANIA** Radio Mauritanie, Nouakchott. 2159 11/14. 44444 local music, 2200:25 ID, news.
SAUDI ARABIA SBC Radio Jeddah, Ras al-Zawr. 2201 11/7. 22322 energetic flute, //702, 747, 810, 1089, 1098, 1116; QRM Syria and Spain.
SYRIA SRTV 1 Dimashk, Tartus. 0259 11/8. 44444 AA talk, 0259:30 flute and drum theme, ID, more music and talk, 0300:30 man "Huna Dimashk" then likely news.
- 790 **ARGENTINA** LR6, Radio Mitre, Buenos Aires. 0302 11/8. 33323 fade up, minimalist national anthem on guitar; QRM WAXY.
BRAZIL ZYI679, Radio Cultura, Guarabira PB. 2057 11/14. 34333 pop song "Mia Ferela", 2059:40 full ID w/call and location, slogan "som do futura" and jingles, ad; QRM Brazilian religious station.
VENEZUELA Radio Nacional de Venezuela, Ciudad Bolívar. 0701 11/8. 24333 man singing jazz-like song, 0701:30 M "...Esta es Radio Nacional [word, maybe "limitado"], de la madrugada" then another song by the same singer.
- 792 **SAUDI ARABIA** SBC Koran Program, Al-Nuzlah/Jeddah. 2301 11/7. 32432 Koran under SER Sevilla, //558, 567, 765, 936, 981, 999, 1512, with 792 and 1512 within 0.1 second.
- 810 **BAHAMAS** ZNS3, Radio Bahamas, Freeport. 1000 11/16. 23432 organ, "This is 'The Prayer Hour' heard over the Bahamas Prayer Network" then lists freqs; QRM Radio Progreso, plus local line noise.
BRAZIL ZYH589, Radio Verdes Mares, Fortaleza CE. 0500 11/14. 33443 news w/some ads and promos, 0502:15 jingle, 0502:30 ID w/call and web address, begin "Show de Madrugada"; QRM unknown.
CUBA CMMB, Radio Progreso, Guantánamo. 0859 11/8. 15332 ID and slogan, piano theme and usual canned ID.
MOZAMBIQUE EP de Gaza (tent), Xai-Xai. 2202 11/11. 114X1 just the briefest of parallels at 2102:35 w/1179 and 1260 during choral national anthem (too brief to call unequivocal); QRM Scotland, Macedonia, Spain.
PUERTO RICO WKVM, Radio Paz, San Juan. 0301 11/12. 33443 man singing ends w/"Amen," 0301:30 male w/s/off, transmitter off at 0302; QRM Caracol and BBC Radio Scotland.
- SAUDI ARABIA** SBC Radio Jeddah, Abha. 2201 11/7. 22331 energetic flute, //702, 747, 783, 1089, 1098, 1116; QRM Spain and Macedonia.
- 819 **EGYPT** ERTU General Program, Batrah. 2100 11/7. 24332 bits of talk, Big Ben chimes, talk, 2100:30 music that sounds like an anthem (but isn't the Egyptian anthem) then talk, //918, 1305.
- 820 **COLOMBIA** HJED, Caracol Radio, Cali. 0901 11/14. 23333 0900:40 "Ultima Hora Caracol" then name of news reader (Calderón), "las quatro de la mañana en Caracol Radio" then news, //810, 1120, 1170; QRM Spanish station.
- 828 **ETHIOPIA** Ethiopian Broadcasting Corp, Arba Minch. 2059 11/11. 14332 2058:50 national anthem, //972.

- 830 **BRAZIL** ZYJ926, Radio Princesa da Serra, Itabaiana SE. 0029 11/8. 24432 football play-by-play, 0030 sound effect, hype, more football talk; //Radio Tupi 1280, 1590 but 1.16 seconds behind 1280; later HJJB fades up [station website <http://www.radioprincesadaserra.com.br/>] indicates it retransmits Radio Tupi-Rio de Janeiro program "Giro Esportivo com Wágner Menezes" after 2200 their local time.
BRAZIL ZYL244, Radio Cultura, Belo Horizonte MG. 0400 11/11. 24332 flute music, 0400:20 man w/"Com a Mãe Aparecida", internet address, //Radio B2 1430; QRM probably Venezuela [Only Aparecida station listed on 830. This seems to become Rádio Gerais a few days later!]
+2159 11/14. 24332 song, 2201 IDs as "Gerais AM" and "Rádio Gerais", lots more hype/promos.
DOMINICAN REPUBLIC HJJB, Santo Domingo. 0400 11/8. 24332 dance music, 0400:50 TC, ID.
- 840 **ARGENTINA** LT12, Radio General Madariaga, Paso de los Libres. 0259 11/8. 23332 mess of signals, 0258 canned ID w/jingle, 0258:40 telephone 4-24-5-42... la radio pública en Paso de los Libres," possible radio station song, 0259:45 "desde Paso de los Libres, Corrientes, República del Argentina... FM... Radio y Televisión Argentina, Sociedad Limitada" 0300 soft version of the national anthem started by mouthorgan: QRM UnID stations.
ARGENTINA LV9, Radio Salta, Salta. 0901 11/14. 33333 possible music, 0902 "En el aire, LV9, Radio Salta..." seems be to sign-on w/various station info, then ads; QRM HJKK and UnID Spanish station.
COLOMBIA HJKK, Neiva. 0901 11/14. 23322 fade up w/"H-J-doble K, más de noticias..."; QRM Radio Salta.
CUBA CMKC, Radio Revolución, Palma Soriano. 0959 11/16. 22432 male talk, ID in a gap in the stronger signal at 0959:15; QRM DobleVé, local line noise.
HAITI Radio 4VEH, Cap-Haïtien. 0958 11/14. 33443 preacher in French, mixed choir, ID, orchestral music, 1001 ID w/time, music.
- 850 **BRAZIL** ZYK254, Radio Mundo Melhor AM, Governador Valadares MG. 2128 11/7. 14332 talk, 2138:35 "ZYL254 Mundo Melhor AM... Minas Gerais" and more talk, fades.
BRAZIL ZYK563, Radio Clube (tent), Birigui SP. 0827 11/8. 23331 religious talk, 0829:40 "Rádio Santa Fé na Rádio Clube [AM?]" (so "Rádio Santa Fé" is probably the programme name), then the frequency, then very, very poorly "ZYK563, Rádio Clube de Birigui" of which in the call K and 3 seem the most prominent, lost in fade; QRM UnID Brazilian.
BRAZIL ZYI693, Radio Rural, Guarabira PB. 2100 11/14. 33333 football scores, fading slowly, mentioned Guarabira, 2102:30 ID and jingle.
BRAZIL ZYI538, Radio Itacaiúnas, Marabá PA. 2131 11/14. 24333 fade up w/ballad, 2131:50 "Rádio Itacaiúnas, por rádio apaixonada punto [cr?]" and jingle just "EEE-tacaiúna".
COLOMBIA HJKC, Candelaria 850, Bogotá. 0501 11/8. 33323 fade up w/ID, tune ending w/ID "la del amor y el despecho" and beginning of program; QRM WEEL and Radio Carve.
PANAMA HOL55, Radio Reforma, El Ejido/Chitré. 0959 11/14. 24432 lively accordion music, 0959:30 man w/"Radio Reforma" and "La Voz de..." but can't quite get it, sound effects, tone at 1000, more accordion music; QRM Radio Reloj.
- 860 **ST KITTS & NEVIS** Voice of Nevis, Bath Village, Nevis. 2259 11/13. 23432 promo for "Sports Special with Gary Pemberton," 2300 "V O N Radio" QRM Radio CBN and Radio Cidade.
- 870 **BRAZIL** ZYH754, Radio Universitária, Goiânia GO. 0059 11/8. 23322 possible ad, music?, 0059:45 "Rádio Universitária" and frequency, music but faded; QRM Radio Reloj and others.
BRAZIL ZYH591, Radio Liberdade, Iguatu CE. 2059 11/14. 23332 song, 2100 ID w/call then slogan "uma emissora do povo", jingle, ID again and off at 2101 after "Boa Noite".
CUBA Radio Reloj. 0859 11/14. 44454 news, 0900 ID and names of readers, headlines at 0900:30.
ECUADOR HCN2, Radio Cristal, Guayaquil. 1001 11/16. 23442 lots of names and places, UTC-5 TCs, at 1003 "cinco de la mañana tres minutos en Radio Cristal..." (perhaps "de Guayaquil"); QRM Radio Reloj and local line noise.
- 873 **ETHIOPIA** Ethiopian Broadcasting Corp, Geja Dera/Addis Ababa. 2100 11/7. 22421 almost 20 seconds of the choral national anthem, //972; QRM Spain.
MOLDOVA Radio Moldova, Chişinău. 0400 11/8. 32442 talk sounds Romanian, "Radio Moldova" at 0400:35, more talk; far beneath SER.
MOZAMBIQUE EP de Sofala, Beira. 2130 11/11. 22331 short choral tune at 2130:20 and sound effects before the national news, //765, 1026, 1179, 1224 (863 is 0.86 seconds ahead of 1179); QRM Spain.
SAUDI ARABIA SBC Koran Program, Ar-Rass. 2057 11/7. 32442 Koran, //765; QRM Spain.
SAUDI ARABIA SBC Koran Program, Dammam. 2028 11/7. 32342 Koran, //936, 999, 1512; QRM BBC Radio Wales.
- 890 **ARGENTINA** Radio Libre, San Justo/Buenos Aires. 0657 11/8. 14332 scraps of audio until ID at 0657:20, possible music.
BRAZIL ZYH642, Radio Itaitiaia, Santa Quitéria CE. 2128 11/7. 34233 long ad string, places in Santa Quitéria, 2129:30 time check "Hora___ Itaitiaia... aqui em Santa Quitéria," more ads and similar time check.
BRAZIL ZYI772, Radio Tamandaré, Recife PE. 2301 11/7. 23322 fade up, 2301:30 ID including call, talk but fade quickly.
COLOMBIA HJPM, Caracol Radio, Santa Marta. 0857 11/16. 14331 football promo for Colombia vs Argentina on 17 November in Barranquilla, ending w/jingle including "en Caracol Radio," //810/
VENEZUELA YVVO, Radio Oriente, El Tigre. 0101 11/8. 23332 enthusiastic talk, possible sports?, 0101:30 mentioned "Radio Oriente".
- 891 **ETHIOPIA** Ethiopian Broadcasting Corp, Dessie. 2059 11/7. 23432 first half of the choral national anthem, //972; QRM Antena 1.
TURKEY TRT-1, Antalya. 0358 11/8. 34443 IS, 0358:45 choral national anthem, 0359:45 talk, 0400 pips, fanfare then news.
- 900 **BARBADOS** Caribbean Broadcasting Corp, Bridgetown. 0857 11/8. 24333 Herb Alpert "Rise," 0858 s/on, 0858:30 national anthem, 0900 different instrumental music; QRM Venezuela.
BRAZIL ZYI533, Radio Liberal, Belém PA. 0259 11/12. 33423 fade up at 0259:15, then promo for program "Manhã Liberal" then jingle, fade; QRM mainly Radio Progreso.
BRAZIL ZYH488, Radio Sisal, Conceição do Coité BA. 2100 11/14. 23322 popped up in COPE lull, man w/"Rádio Sisal AM" then some numbers that don't sound long enough to be phone numbers then woman talk; soon faded way below COPE.
BRAZIL ZYJ591, Radio Nordeste Evangélica, Natal RN. 2100 11/14. 22322 as Radio Sisal faded down, "Rádio Nordeste Evangélica"; lost almost immediately to COPE.
- 909 **BOTSWANA** Voice of America, Moepeng Hill/Selebi-Phikwe. 2059 11/11. 22342 Toure Kunda "Ah Diatta", "This is the Voice of America signing off", Yankee Doodle, music was //1530 but 1530 did not sign off; far under BBC 5 Live.
- 910 **BRAZIL** ZYI785, Radio Liberdade, Caruaru PE. 0002 11/8. 23333 woman talk about Liberdade, 0002:20 long jingle, TC, man w/ID; QRM Radio La Red.
CUBA CMHA, Radio Cadena Agramonte, Camagüey. 0857 11/14. 34454 news, 0859 ID w/end of news, theme music, station hype practically over the Internationale, email address twice, music bridge, 0901 "Dos por Amor" program.
USA WTWD, Plant City FL. 1000 11/14. 23432 fade up w/ID for WTBN 570 and WTWD, fade a bit then man w/Caribbean accent talks; QRM Cadena Agramonte and other weak signals.
- 918 **EGYPT** ERTU General Program, Bawiti. 2100 11/7. 22441 Big Ben chimes, talk, 2100:30 music that sounds like an anthem (but isn't the Egyptian anthem) then talk, //819, 1305; QRM Slovenia and another.
ETHIOPIA Dimtsi Weghata, Mekelle. 0300 11/8. 22332 IS under Spain.
SPAIN Radio Inter, Madrid. 2030 11/7. 34354 pips, ID, "Only You" by The Kings of Rock n Roll; QRM Slovenia.
- 920 **BRAZIL** ZYH519, Radio Novo Tempo, Salvador BA. 0258 11/8. 24333 weak talk, ID at 0258:15 and more talk; QRM UnID.
BRAZIL ZYI697, Radio CBN, João Pessoa PB. 2129 11/14. 33333 football reports, 2130 host welcomes reporter who says "Boa noite, boa noite, boa noite... a CBN" then talk about Serie B; QRM another Brazilian.
VENEZUELA YVQX, Radio Nueva Esparta, Porlamar. 0857 11/8. 24333 ballad, 0858:45 IDs and TC, Venezuelan music.
- 927 **SAUDI ARABIA** SBC Radio Jeddah, Al-Hofuf. 2131 11/8. 13431 2130:30 interview w/two men in Arabic, //702, 1035, 1098 (929 is 0.09 seconds ahead of 1035 and 1.90 seconds ahead of 1098); QRM splatter from CJYQ.
- 930 **COLOMBIA** HJCS, La Voz de Bogotá, Bogotá. 0401 11/13. 32342 talk about María, 0401:30 ID w/call, then talk including "La Voz de Bogotá" again; QRM CJYQ.
- 936 **SAUDI ARABIA** SBC Koran Program, Makkah and Ar-Riyad. 2058 11/7. 22442 Koran, //765; QRM Spain.
- 939.986 **ARGENTINA** LRH200, Radio Chajarí, Chajarí. 2257 11/14. 23333 José Carreras w/Guiridi's "El Caserío", 2300:30 man w/southern accent immediately mentions "Chajarí" and identifies the song and the next piece, talk for about a minute but swamped by Boa Vontade.
- 940 **COLOMBIA** HJTL, RCN La Radio, Cúcuta. 0300 11/13. 23332 fade up w/man "RCN Noticias ___ Yolanda Ruiz" pips, TC, news, //760, 770, 980.
MÉXICO XEQ, Ke Buena 9-40, México DF. 0300 11/9. 34433 up suddenly at 0259:50 w/music and chat, "Ke Buena 9-40" and TC as "las nueve", music again.
PUERTO RICO WIPR, San Juan. 0301 11/12. 33433 woman talking about "premios" with numbers, ID by man "Esta es WIPR, 9-40 AM, la radio pública de San Juan," then promo; QRM WINZ and Radio Nacional.

- 945 **ANGOLA** Radio Nacional de Angola, Mulenvos. 2059 11/11. 32332 drumming, 2059:35 ID in French, frequency announcement w/31 m freq (?) and 7230 kHz, MW, and FM, pips, another "Radio Nationale", fanfare, man recaps upcoming pgm; QRM African w/repetitive chanting and English later (Nigeria?)
- ERITREA** Dimtisi Hafash 1, Asmara. 0258 11/8. 33343 plucked instrument w/man occasionally wailing, 0301 woman w/ID w/frequencies, music bridge, man few words, lively music; QRM UK station and AA station.
- SAUDI ARABIA** SBC Radio Riyadh, Ha'il. 2259 11/7. 24333 talk, flute and woman IDs, news, //1521; QRM Smooth.
- UNITED KINGDOM** Smooth, Bexhill-on-Sea. 0358 11/8. 33433 ad string, 0400:20 canned ID, news; QRM splatter.
- 950 **ARGENTINA** LR3, Radio Belgrano, Buenos Aires. 0401 11/8. 34323 deep fades, 0401 fade up w/canned "Belgrano, la radio de hoy," 0402 canned ID again and program promo.
- BRAZIL** ZYK212, Radio Atalaia, Belo Horizonte MG. 0459 11/14. 22332 music, "Rede Aleluia" at 0500, some talk, music; QRM domestic station and Radio Reloj.
- 949.970 **BRAZIL** ZYH593, Radio Educadora do Nordeste, Sobral CE. 2057 11/14. 34434 sound effect, full ID w/call, silence, 2057:45 exactly the same full ID again, jingle, song leads into religious program; QRM splatter.
- 950 **USA** WTLN, Orlando FL. 0957 11/14. 24432 ads, 1000 "WTLN Orlando" pips, news; QRM Radio Reloj.
- 960 **ARGENTINA** LRA6, Radio Nacional, Mendoza. 0858 11/14. 43433 song, applause by crowd, 0900 pips, familiar Radio Nacional sounder, "Por Nacional, la Argentina se informa," temperature in Buenos Aires, news; QRM Radio Reloj and some splatter.
- BRAZIL** ZYK689, Radio São Paulo, São Paulo SP. 0357 11/8. 23322 call, ID w/"Emisora da Rede Aleluia," baby-voice talk but fades quickly; QRM Radio Reloj.
- BRAZIL** ZYH618, Radio Cultura dos Inhamuns, Tauá CE. 0802 11/8. 24333 seems like multiple full IDs, of which one starting at 0802:30 w/jingle is clearest; QRM Radio Reloj.
- BRAZIL** ZYI216, Radio Diocesana, Cachoeiro do Itapemirim ES. 2130 11/14. 22332 mix of at least 3 Brazilians, this one seems to have some sports fanfare, 2130:30 man w/"Rádio Diocesana AM" ID, lost in the mess [seems to be on-frequency now].
- BRAZIL** ZYI551, Radio Clube, Itaituba PA. 2159 11/14. 13321 woman sings, 2159:50 man fades up "na Clube!", woman sings again; QRM other Brazilian.
- COLOMBIA** HJHN, Caracol Radio, Magangué. 0701 11/13. 23422 0700:40 fades up, ad "tarjeta de crédito... Colombia... presenta 'Ultima Hora Caracol'" then news; QRM local news and Radio Reloj.
- URUGUAY** CW96, Radio Yi, Durazno. 0330 11/8. 24332 fading up, 0330:15 "Radio Yi, Radio Yi..." "...transmitiendo desde Durazno, República Oriental del Uruguay, [word], 960 AM"; QRM Radio Reloj.
- USA** WEAV, Plattsburgh NY. 0959 11/14. 24443 PSA for Vermont swimming association, 1000 "The Zone" slogans and ID, sports talk.
- 963 **MOZAMBIQUE** EP de Tete, Tete. 2132 11/11. 22322 bit of news in Portuguese about Angola, //1260; QRM Radio Sim (0.02 seconds behind 1260).
- TUNESIA** Radio Tunis Internationale, Jedeïda/Tunis. 2059 11/7. 44444 CeeLo Green "Est. 1980's," 2059:30 man in French w/ID as RTTI, news by woman; QRM Radio Sim.
- 969.970 **BRAZIL** ZYK201, Radio Pampa, Porto Alegre RS. 0030 11/8. 23433 ballad, 0030:30 ID, web address and station hype; QRM station in Spanish.
- 970 **BRAZIL** ZYJ277, Radio Difusora do Paraná, Marechal Cândido Rondon PR. 0759 11/8. 24343 Brazilian song, ends at 0800 then "Difusora" and another song, faded under Radio Red.
- COLOMBIA** HJCI, RCN Radio Red, Bogotá. 0400 11/8. 24333 music, ID, chimes, "RCN," PSA, 0401:30 chimes TC as "once en punto," "en Radio Red RCN," program promo, 0402:15 ID "Radio Red Bogotá, 9-70 AM, atrapa lo que vale la pena, RCN buena la radio," RCN program promo; QRM Radio Universal.
- URUGUAY** CX22, Radio Universal, Montevideo. 0358 11/8. 24333 initially very weak, woman gives telephone and other info about station, 0359 man w/full ID including call, accordion music, fade; QRM probably Radio Red.
- US VIRGIN ISLANDS** WSTX, Christiansted. 0259 11/8. 24332 Calypso-like music, 0259:50 "AM 9-70 WSTX" and immediately more music.
- USA** WFLA, Tampa FL. 0300 11/9. 32422 up clearly briefly "Newsradio 9-70, WFLA" then news; QRM WLOB.
- 972 **ETHIOPIA** Ethiopian Broadcasting Corp, Robe. 0258 11/9. 23443 possible talk by woman, 0258:35 choral national anthem, identical w/version on YouTube [<https://www.youtube.com/watch?v=dv8SkcRhWII>], 0300 pips but then cannot follow; QRM mainly Spain.
- 981 **PORTUGAL** Radio Renascença, Coimbra and Vila Real. 2300 11/7. 33333 pips. ID as "Renascença"; QRM Saudi Arabia and Algeria.
- SAUDI ARABIA** SBC Koran Program, Medinah. 2300 11/7. 32432 Koran, //558, 567, 576, 765, 792, 936, 999, 1512, but 981 was 8.05 seconds behind 765; QRM mainly Radio Renascença.
- 990 **COLOMBIA** HJDB, RCN, Medellín. 0801 11/14. 22432 talk including "RCN, La Radio," child talk, man sings w/guitar; under CBY.
- CUBA** CMAM, Radio Guamá, Pinar del Rio. 1001 11/16. 23442 fade up w/music, 1001:45 woman "Esta es Guamá, la señal__ de la familia pinareña," piano music, some talk over; QRM CBY plus local line noise.
- 1000 **BRAZIL** ZYI698, Radio Oeste da Paraíba, Cajazeiras PB. 2100 11/14. 23333 just fading up, music, man w/promo, jingle, 2100:50 promo (again) for program on Saturdays "na Oeste da Paraíba", possibly another promo then song by man w/accordion becomes stronger.
- COLOMBIA** HJAJ, RCN, Cartagena. 0701 11/13. 23333 "Nocturna RCN" then man talk by phone; QRM local news.
- CUBA** CMNM, Radio Granma, Media Luna/Manzanillo. 0457 11/16. 23432 national anthem begins, 0457:50 instrumental music, 0458:50 theme music and ID, Cuban dance music; QRM Brazilian and Spanish station.
- 1010 **BRAZIL** ZYH625, Radio CBN, Fortaleza CE. 0459 11/14. 34444 0458:45 TC as 2:58, CBN weather by woman, 0500 TC as 2:59, talk, 0501 "CBN Madrugada", TC as "3 horas", sports; QRM domestic.
- COLOMBIA** HJOP, W Radio, Barranquilla. 0858 11/14. 22421 Anita Ward "Ring My Bell," //690, 700; far under WINS.
- COLOMBIA** HJCC, Acuario Estéreo, Bogotá. 0859 11/14. 22442 instrumental music, 0859:30 male talk, 0900 woman w/"Esta es Acuario Estéreo... 10-10 AM, otra emisora Radiópolis, Radiópolis," begin program; QRM WINS is very strong [ID thanks to Jan Alvestad/RealDX].
- 1020 **ARGENTINA** LT10, Radio Universidad Nacional del Litoral, Santa Fé. 0457 11/16. 22422 0457:15 ID over harmonica w/"Santa Fé" and frequency, but by 0457:30 faded down too much to comprehend: QRM both WURN and Radio Reloj.
- BRAZIL** ZYK202, Radio Caiçara, Porto Alegre RS. 0259 11/8. 33333 fade up, ID with call as ZYK279 and the frequency as 780 kHz (see 780), talk over pop music, '70's pop music... ID again just before 0303; hum/het from presumed Radio Nanduti on 1020.1 [Station is listed as Radio Grenal, but Grenal's website only shows an FM frequency. Grenal and Caiçara both belong to the Rede Pampa].
- BRAZIL** ZYH247, Jovem Pan, Maceió AL. 2127 11/14. 23332 enthusiastic talk by male announcer, many "Jovem Pan"; QRM Radio Cenecista and other weak Brazilians.
- BRAZIL** ZYI686, Radio Cenecista, Picuí PB. 2127 11/14. 22322 pop music, fades down into ID by man at 2127:50 w/"Viva noite... Cenecista" clear, possible jingle, woman w/a few words, more music; QRM Radio Jovem Pan and other Brazilians.
- USA** WURN, Kendall FL. 1000 11/14. 33333 fade up, Spanish man and woman w/promos "Actualidad 10-20 y 10-40," and "Actualidad Radio" 1001 ad for Christmas party at the Miami Airport Convention Center, 1002 legal ID by woman for WURN and WLWJ (1040).
- 1020.096 **PARAGUAY** ZP14, Radio Nanduti, Asunción. 0700 11/14. 33333 woman talk, long ID, fade.
- 1026 **MOZAMBIQUE** EP de Manica, Chimoio. 2130 11/11. 22331 local music, short choral tune at 2130:20 and sound effects before the national news, //765, 873, 1179, 1224 (1026 is 0.07 seconds behind 1179); QRM Spain.
- SPAIN** SER Radio Jaén, Monte Santa Catalin/Jaén. 2227 11/8. 33433 local break, becomes dominant at 2229 w/ads, "Radio Jaén", pips, network music program; QRM mainly other SER stations.
- 1030 **ARGENTINA** LS10, Radio Del Plata, Buenos Aires. 0700 11/14. 44444 ballad, 0700:25 "Radionoticias Del Plata", woman w/weather for Buenos Aires, news; QRM WBZ.
- BRAZIL** ZYJ467, Radio Capital, Rio de Janeiro RJ. 0001 11/8. 23332 far under Radio Del Plata but Argentina fades leaving two Brazilian stations, this one has call at 0001:40 but then a 49 mb ID (maybe a different station but I don't see any station on 1030 w/a 49 mb presence); 0002:10 "Rio de Janeiro," 0002:20 jingle, fades under Radio Del Plata.
- COLOMBIA** HJER, RCN Antena Dos, Cali. 2301 11/13. 33343 fades up over another Spanish station, regional sports news, 2302 "informo Jaimo Chavez, por Antena Dos, la Radio de deportes en Colombia" then national sports report, fade under WBZ.
- ECUADOR** HCRF2, Radio Ecuatena, Guayaquil. 0957 11/16. 34443 close harmony w/guitar music, 0959:30 ID, then upbeat ID, intro brokered program; QRM just local line noise.
- 1035 **SAUDI ARABIA** SBC Radio Jeddah, Yanbu al-Bahr. 2129 11/8. 34433 interview w/two men in Arabic, //702, 927, 1098 (1035 is 0.12 seconds ahead of 702).
- UNITED KINGDOM** Dilse Radio, Crystal Palace/London. 2200 11/7. 23332 Indian music, ID, news.
- 1040 **COLOMBIA** HJHJ, Colmundo Radio, Bogotá. 0857 11/14. 33433 ads and station hype, 0859:45 ID w/email address; QRM UnID Spanish station and het from 1039.6 (Carabobo?)

- 1044 **SPAIN** SER Radio San Sebastián, San Sebastián. 2259 11/7. 44444 SER break at 2259:26, announcement of 90th anniversary of Radio San Sebastián; QRM Radio Valladolid.
SPAIN SER Radio Valladolid, Valladolid. 2259 11/7. 22442 SER break at 2259:26, "Radio Valladolid" ID right before a much more powerful ID from Radio San Sebastián.
- 1050 **ARGENTINA** LV27, Radio San Francisco, San Francisco. 0302 11/8. 22321 0301:40 national anthem becomes more apparent; QRM WEPN and Radio Uruguay.
BRAZIL ZY1676, Radio Caturité, Campina Grande PB. 2059 11/14. 22332 just fading in, 2059:15 man "Rádio Caturité AM, [two words], ZY1 meia-sete-meia, cinco mil watts de potência...", talk, mentioned Rádio Caturité again, into Catholic religious program; splatter from SER 1044.
CUBA CMLL, Radio Victoria, Victoria de las Tunas. 0657 11/16. 33443 music by El Trío de las Hermanas Marques, 0659:30 man announcer IDs group and IDs, another song by the same group; QRM WEPN.
URUGUAY CX26, Radio Uruguay, Montevideo. 0257 11/8. 33343 man seems to be ending program men "Radio Uruguay," woman sings, 0259 man "la Radio Nacional del Uruguay..." then woman talk about station, long list of stations w/most on FM, light music, woman seems to be inviting listeners back tomorrow; QRM WEPN and at the end Radio San Francisco.
- 1060 **CUBA** CMDL, Radio 26, Jovellanos. 0258 11/13. 24332 American pop song, piano theme, 0259 "Esta es Radio 26, Matanzas, Cuba" and more theme, fade, after 0301 conversation by two women.
PUERTO RICO WCGB, Juana Diaz. 0859 11/8. 23321 mix of weak signals, 0859:25 "the Rock... WIVV, WCGB..."
- 1070 **BRAZIL** ZY1673, Radio Difusora, Cajazeiras PB. 2057 11/14. 44344 music w/accordion, 2100 man w/ID, football scores, 2102 TC as 8:01, "...Paraíba... Difusora de Cajazeiras..." continue the same music.
COLOMBIA HJCG, Q'hubo Radio, Bogotá. 0956 11/14. 34444 ads, ID mention Radio Santa Fé and then Q'hubo Radio three times, Mexican music.
PUERTO RICO WMAI, Radio Arecibo, Arecibo. 2258 11/13. 23322 Q'hubo Radio faded down allowing at 2358:30 "Esta es W M A I, Radio Arecibo" through, but the Colombian faded back quickly.
- 1071 **SYRIA** Radio Al Nour, Tartus. 2159 11/7. 33323 AA song, 2200:30 ID "Radio [2 syllable word] Al Nour" then sounder, news; QRM Saudi Arabia.
- 1080 **BRAZIL** ZYK280, Radio da Universidade, Guaíba/Porto Alegre RS. 0228 11/8. 23333 classical music by Giuseppe Martucci, 0229:15 man identifies music, gives a web address, 0229:45 "Rádio da Universidade AM," then seems to introduce next piece.
BRAZIL ZY1549, Radio Novo Tempo, Belém PA. 0759 11/8. 33332 station song, couple of IDs; QRM another Brazilian and a US station.
BRAZIL ZYH485, Radio Fascinação, Itapetinga BA. 0801 11/14. 23422 possible station song, 0801:15 man w/ID and enthusiastic talk; QRM main Brazilian w/religious music.
CUBA CMCH, Radio Cadena Habana, Villa María. 0459 11/16. 24442 0458:45 man w/s/off announcement, national anthem; QRM US station.
ECUADOR HCKD2, Sistema Dos, Guayaquil. 0957 11/16. 33433 local music, 0958:20 canned ID "Sistema Dos, Sistema Dos, Sistema Dos, mil ochenta," tight harmony and guitar song, 1001:40 same canned ID but poorer, music.
PARAGUAY ZP25, Radio Monumental, Asunción. 0800 11/14. 23433 0759:30 looping IDs – some sort of IS, lost to Brazilian stations.
PUERTO RICO WLEY, Isla 1080, Cayey. 0300 11/13. 24332 fast-talk ad, "Isla 10-80" ID and other ID stuff, later woman talking.
- 1089 **SAUDIA ARABIA** SBC Radio Jeddah, Qurayyat. 2101 11/7. 22421 talk far under TalkSport, 2100:25 fanfare, woman w/ID, man w/news, //702.
- 1090 **BRAZIL** ZYJ345, Radio Banda 1, Sarandi PR. 0801 11/14. 24422 fade up around 0801:30 w/ID and some promo or slogan ending w/ID again, fade.
BRAZIL ZYJ592, Radio Canção Nova, Natal RN. 0701 11/16. 33323 fade up, man w/lots of Canção Nova mentions, faded under another Brazilian around 0702.
URUGUAY CX28, Radio Imparcial, Montevideo. 0800 11/8. 24332 announcements, 0800:15 seems intro for "Mundo Imparcial," then male talk.
USA KAAQ, Little Rock AR. 0958 11/14. 22432 modern gospel songs, 1000 ID and immediately more music; QRM WBAL.
- 1098 **SAUDIA ARABIA** SBC Radio Jeddah, Dammam. 2201 11/7. 33332 AA music w/flute and then man singing, //702, 747, 783, 810, 1089, 1116; QRM Spain.
- 1100 **BRAZIL** ZYH638, Radio Difusora dos Inhamuns, Tauá CE. 2058 11/14. 22332 religious talk, 2058:40 man ID w/call, religious song w/title something like "Trabalho do Senhor", 2100 begin religious program on the "Nova Difusora de Tauá" from a church in Tauá; QRM another Brazilian w/football and big splatter from RNE on 1098 [signal seems all on the LSB side].
CANADA CBSI-5, Natashquan QC. 1000 11/14. 22342 woman w/Première Chaîne news, //860; QRM WTAM.
- 1100 **COLOMBIA** HJCN, BBN Radio, Bogotá. 0900 11/14. 33422 "Esta es BBN" in midst of fanfare, then religious program; QRM Radio Angulo, Caracol.
COLOMBIA HJAT, Caracol Radio, Barranquilla. 1000 11/16. 33443 initially over/under BBN but emerged w/news after "Caracol Radio" IDs; QRM BBN and w/local line noise.
CUBA CMKQ, Radio Angulo, Mayarí. 0900 11/14. 32422 music, sound effects, mentioned event in 1950's, 0900 "Radio Angulo" then popular song, //1110; QRM BBN Radio, Caracol.
- 1110 **BRAZIL** ZY1689, Radio Tabajara, João Pessoa PB. 2101 11/7. 23433 ballad, 2101:40 long jingle, ID w/"ZY1689" call, then some talk about station w/address, telephone number and email; local electrical noise.
BRAZIL ZYJ471, Radio Record, Campos RJ. 2128 11/7. 34454 music ending, TC bit of talk, ID, ad, more music, but this doesn't sound religious.
COLOMBIA HJJP, RCN La Radio, Villavicencio. 0258 11/13. 143X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1150, 1170, 1240, 1260, 1290, 1340, 1350.
CUBA CMKO, Radio Angulo, Holguín. 0957 11/16. 34443 piano then woman sings, applause at 0958:15 full ID, woman w/TC, more music; QRM just local line noise.
- 1116 **SAUDIA ARABIA** SBC Radio Jeddah, Medinah. 2201 11/7. 12331 threshold, just bits of energetic flute, //702, 747, 783, 810, 1089, 1098; QRM Spain and Italy.
- 1120 **BRAZIL** ZYH598, Radio Tupinambá, Sobral CE. 0700 11/13. 33343 local noise, man sings w/accordion, 0700:45 talk w/lots of IDs including jingle w/call.
COLOMBIA HJKQ, Caracol Radio, Tunja. 0901 11/14. 24333 0900:40 "Ultima Hora Caracol" then name of news reader (Calderón), "las quatro de la mañana en Caracol Radio" then news, //810, 820, 1170; QRM US station.
COLOMBIA HJGH, Q'hubo Radui, Bucaramanga. 0956 11/14. 23432 fade up w/ballad, 0956:50 "el Q'hubo Radio..." later promo for Caracol's coverage of Colombia-Argentina football game, //820, 1070, and 1170; QRM NA station and others.
URUGUAY CW31, Radio Salto, Salto. 0101 11/8. 24322 fade up, woman "Radio Salto informa" then she reads news, fade out by 0102.
- 1120.135 **ARGENTINA** Emisora Santiago y Copla, Ciudad Evita/Buenos Aires. 0257 11/8. 34312 ad w/prices in pesos w/"premios," 0258 faded away completely, 0300:30 back w/national anthem Andean flutes and the woman sings the "Libertad, Libertad, Libertad" bit; splatter from 1120 [Sarmiento is //Mitre. This station was reported on 1120.13 by Arne Nilsson (and IDed by Henrik Klemetz) in Arctic Radio Club bulletins MVE 56-4 and 56-8].
- 1130 **BRAZIL** ZY1531, Radio Marajoara, Belém PA. 2130 11/7. 33323 football play-by-play, 2130:25 ID for MW and SW w/calls, talk; QRM Radio Nacional.
- 1134 **SPAIN** COPE Salamanca, Salamanca. 2300 11/7. 33443 COPE break at 2259:45, ID by woman w/FM frequency, then seems new item.
- 1140 **BRAZIL** ZYH607, Radio Progreso, Russas CE. 2128 11/7. 23331 music, and jingle?, 2129 frequency and "Rádio Progreso, Russas, a Voz do Vale" in a gap in Bahia station, music; QRM Radio Cultura and CBI.
COLOMBIA HJCL, Radio Panamericana, Girardot. 0558 11/8. 33323 CBC fades down, talk, 0558:50 email address, TC w/ID, ID again, lively music; QRM CBI.
CUBA CMIP, Radio Surco, Morón. 0359 11/13. 22332 "CMIP, Radio Surco, desde Ciego de Ávila..." then theme music, exactly the same as canned ID heard in 2010; far under CBI.
- 1150 **ARGENTINA** LRH202, Radio Tupambaé, Posadas. 0030 11/8. 23332 local music, 0030:40 jingle then ID by man, then possible ad; QRM Spanish station, possibly Argentinean.
ARGENTINA LRA2, Radio Nacional, Viedma. 0502 11/8. 23333 fades up through Tupi, news by woman, 0502:40 man "La Argentina... informada, por la Radio Pública," woman w/promo ending w/Radio Nacional jingle; QRM mainly Tupi.
- 1149.711 **BRAZIL** ZYJ617, Radio Cabugi do Seridó, Jardim do Seridó RN. 2158 11/7. 33333 Brazilian smooth jazz, 2158:30 ID and TC, music; QRM splatter.
- 1150 **COLOMBIA** HJBT, Radio Catatumbo, Ocaña. 0932 11/9. 24332 weak music, ID w/call, fanfare then something about station.
COLOMBIA HJFP, RCN, Neiva. 0258 11/13. 143X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1170, 1240, 1260, 1290, 1340, 1350.
- 1152 **KENYA** KBC Radio Taifa, Wajir. 2101 11/11. 22331 2101:30 glimpse of music //Taifa 675; QRM Spain.
- 1160 **BRAZIL** ZY1202, Radio Espírito Santo, Vitória ES. 2058 11/7. 23432 man sings w/accordion, 2059 "Programa... Rádio Espírito Santo" then woman w/news; local electrical noise.
COLOMBIA HJOC, Fuego AM, Bogotá. 0229 11/8. 23433 man singing, 0230 man "Fuego AM", mellow music; QRM Antigua.
- 1160 **USA** WVNJ, Oakland NJ. 0259 11/9. 24433 ads, 0300 ID, USA Radio News.

- 1161 **ALGERIA** Radio Tamanrasset, Ain Salah. 2258 11/7. 34454 talk by man in Arabic or similar language, 2258:15 different man talking mentioned "Tamanrasset," 2258:58:30 drums and stringed instrumental repeating every 5-6 sec (maybe IS), 2300 pips 4+1 high, man w/news.
EGYPT ERTU Mid-Delta Radio, Tanta. 2200 11/8. 23433 singing, woman talk fades up, 2201 national anthem; QRM likely Algeria.
- 1170 **BRAZIL** ZYJ273, Radio Atalaia, Curitiba PR. 0259 11/9. 24332 song, 0259:50 man w/ID including call then FM frequency, fade.
COLOMBIA HJJE, RCN La Radio, Tuluá. 0258 11/13. 133X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1240, 1260, 1290, 1340, 1350; QRM Caracol Radio and WWWA.
COLOMBIA HJNW, Caracol Radio, Cartagena. 0301 11/13. 34443 sports program hosted by woman, 0301:30 promo and ad, //810 and 820, but at 0302:15 local Cartagena ID w/frequency, then back to the sports woman.
SWAZILAND Trans-World Radio, Mpangela Ranch. 2028 11/11. 13342 music, 2029 man in English w/address for ended program included "Living Word for [Us?], PO Box___, Kempton Park one-six-two-zero, South Africa" twice, 2029:33 "This is TWR Radio...", religious program w/US accent starts at 2030; QRM Radio Capodistria.
UNITED KINGDOM/Wales Swansea Sound, Winsh-Wen/Swansea. 2100 11/7. 22432 ad, canned ID "...on line... 11-70 medium wave... this is Swansea Sound," Sky news at 2100; QRM Radio Capodistria.
UNITED ARAB EMIRATES Abu Dhabi Media, Al-Dhabayya. 2102 11/7. 33433 Arabic talk fades up, seems to be about the company, w/IDs for at least two of its stations, "Abu Dhabi's Classic FM" and "Radio Mirchi," within the talk; QRM Radio Capodistria.
- 1179 **GERMANY** Antenne Saar (tent), Heusweiler. 2030 11/7. 22321 2029:45 music (Gypsy Kings?) ends, woman talk French – just some words – 2030 sounder and more talk; QRM Spain.
MOZAMBIQUE EP de Zambézia, Quelimane. 2130 11/11. 32332 2130:20 short choral tune, sound effects, man w/"Último Jornal", //765, 873, 1026, 1224, 1260; 2200:37 national anthem by choir; QRM two Spaniards, Romania (1179 is 0.21 seconds behind 1260).
- 1180 **CUBA** Radio Reloj, Martí. 0257 11/12. 12431 pip and "RR" in Morse code, glimpses of male talk; QRM far under Radio Rebelde.
- 1190 **ARGENTINA** LRA15, Radio Nacional, San Miguel de Tucumán. 0757 11/8. 23332 man and woman talk, distinct southern accent, woman mentioned "por Radio Nacional" at 0757:50, fade out shortly after; QRM mess of weak signals.
COLOMBIA HJCV, Radio Cordillera, Bogotá. 0800 11/14. 33433 three chimes, "Todelar," ID w/call, chimes, then "Radio Cordillera, más popular!" and local music; QRM complex mix of stations.
- 1200 **BRAZIL** ZYH482, Radio Clube Rio do Ouro, Jacobina BA. 2201 11/14. 33333 talk, 2201:30 clear "Rádio Clube Rio do Ouro" at beginning of promo, fades up much better w/music; QRM probably another Brazilian.
CUBA CMHT, Radio Sancti Spiritus, Yaguajay. 0900 11/14. 22321 beneath WXKS, ID proceeded by fanfare, only bit really useful was "C-M-H-T" (H somewhat ambiguous), only Cuban on frequency.
VENEZUELA YVOZ, Radio Tiempo, Caracas. 1000 11/8. 24333 Venezuelan music, man w/ID at 1000:10, TC, more music; local electrical noise.
- 1220 **ARGENTINA** LRI224, Eco Medios, Buenos Aires. 0800 11/14. 33443 ballad finishes, ID as "LRI224, Eco Medios," ad string; Globo fades back after 0802 [MWLIST says the call is LRL328, WRTH has no call].
USA WSTL, Providence RI. 1002 11/14. 23322 fade up at 1002:15 woman mentions "WSTL, the___ of light," then "You are listening to WSTL radio," song begins; QRM mainly splatter from VOAR 1210.
- 1224 **MOZAMBIQUE** EP de Cabo Delgado, Pemba. 2130 11/11. 123X1 just the short choral tune at 2130:20 before the national news, //765, 873, 1026, 1179 (1224 is 0.12 seconds ahead of 1179); QRM Spain.
- 1230 **ARGENTINA** LT2, Radio Dos, Rosario. 0302 11/8. 33333 fade up news and weather by woman, man "Radio Dos es noticias".
BRAZIL ZYH756, Radio Daqui, Goiânia GO. 0029 11/8. 24323 rock music fades up at 0028:30, 0029 woman "Rádio Daqui" then man says a few words, more music; QRM Spanish station.
CUBA Radio Progreso, La Palma and Bayamo. 0758 11/14. 33443 music, 0758:30 announce day against violence against women, woman w/ID at 0759:15 then intro music; QRM mainly Latin station.
USA WCMC, Wildwood NJ. 0959 11/14. 23323 Diana Ross song, 1000:45 woman w/quick "WCMC Wildwood" then Bob Santana says "When I'm at the Jersey Shore I love the classic oldies here on 13-40, WMID" then jingle.
- 1233 **CZECH REPUBLIC** Radio Dechovka, synchronos. 2059 11/7. 23432 folk music, ID by man at 2100, music slowly overwhelmed by Absolute Radio.
- 1240 **KENYA** KBC Northeastern Service, Marsabit. 2028 11/11. 35343 very likely this w/continuous African music, not //1386 [only African listed on 1233].
- 1240 **BRAZIL** ZYH654, Radio São Francisco, Canindé CE. 2058 11/14. 34444 pop music, 2059 jingle w/call, ID w/names of station officers, 2100 intro Catholic religious program.
COLOMBIA HJFG, RCN, Calarcá. 0258 11/13. 143X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1170, 1260, 1290, 1340, 1350; QRM CKIM.
DOMINICAN REPUBLIC Radio María de Altigracia, Santo Domingo. 2257 11/14. 44334 religious song sounds like C+W, 2300 diff tune briefly, man talks about support from Banco Popular, ID "Radio María de Altigracia", music again.
URUGUAY CW25, Radio Paysandú, Paysandú. 0257 11/12. 23432 woman talk, mentioned "Radio Paysandú" at 0258 then rapid fade, back w/bits of talk around 0300; QRM CKIM.
USA WOON, Woonsocket RI. 1001 11/14. 22322 crooner music, ad for place buying gold and silver at "325 Main Street, Woonsocket"; under CKIM and w/many other weak NA signals.
- 1242 **OMAN** Radio Sultanate of Oman, Seeb/Muscat. 2030 11/7. 32332 Arab music, //1278; QRM France.
- 1250 **ARGENTINA** Radio Estirpe Nacional, San Justo. 0102 11/8. 23322 fade up over Brazilian, bit of band music, male talk, seems to be some sort of promo mentioned "Estirpe Nacional" at 0102:30.
BRAZIL ZYH594, Radio Educadora, Crateús CE. 2100 11/14. 24332 TC, lively music, "Alegria!" then sound effects "Educadora" twice, music, 2101 frequency and power, 2101:20 slow instrumental. Ave Maria.
COLOMBIA HJCA, Radio Capital, Bogotá. 2257 11/13. 34433 fades up, announcer mentioned "Capital Radio," 2258 jingle, ID, jingle, promo, web address.
- 1251 **USA** WARE, Ware MA. 0959 11/14. 22322 50s balled, "This is Real Oldies, WARE... WARE" but lost in a muddle of stations.
- 1251 **PORTUGAL** Radio Sim, Castelo Branco and Chaves. 2059 11/7. 23433 ads, fanfare, "Rádio Sim" jingle, pips, TC, Renascença ID, news intro but immediately a bank ad; splatter from 1250 [MWLIST says only Castelo Branco and Chaves are presently on the air].
- 1260 **BRAZIL** ZYH596, Radio Vale do Jaguaribe, Limoeiro do Norte CE. 2158 11/7. 33323 energetic ID, talk – promo or ad – but fades under station with football, dominant again at 2159:40, nice ID w/call at 2200:15.
COLOMBIA HJOH, RCN Cesar, Valledupar. 0258 11/13. 133X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1170, 1240, 1290, 1340, 1350; QRM Morada do Sol.
MOZAMBIQUE EP de Niassa, Lichinga. 2058 11/11. 33333 repetitive stringed instrument, 2100 man w/"Rádio Moçambique, Niassa", TC, news in Portuguese.
PUERTO RICO WISO, Ponce, Agaudilla and Mayagüez. 2300 11/7. 33333 phone call-in, fades before 2300:50 IDs for all network stations; QRM mainly Radio Morada do Sol.
- UNITED KINGDOM** Smooth Radio, Farnon/Wrexham. 2057 11/14. 23332 Lemar "If There's Any Justice", DJ says it's close to 9, 2057:50 ID, ad string; QRM Brazilian and SER.
USA WSUA, Radio Caracol 1260, Miami FL. 2259 11/13. 33333 Spanish ads, 2300 legal ID then "Radio Caracol," more ads.
- 1269 **USA** WBIX, Boston MA. 0859 11/16. 22431 ad for health plan, 0859:30 "...Boston AM 1260..." then news beginning w/stock market; far under CKHJ.
- 1269 **UNITED ARAB EMIRATES** Radio Asia, Ras al-Khaimah. 2030 11/7. 32332 subcont song, 2032 jingle "Radio Asia" then something, more music; QRM Spain.
- 1270 **BRAZIL** ZYJ593, Radio Clube, Natal RN. 2158 11/7. 33333 CJCB fades down a bit, 2158:40 ID then canned ID w/call; QRM CJCB.
BRAZIL ZYI530, Radio Boas Novas, Belém PA. 2129 11/14. 43343 music, 2129:45 seems stronger, TC, ID w/call and power as 20,000 watts [listed 10/2.5], many IDs, promo for "congresso nacional da família"; poor audio quality, broad signal, likely something wrong w/the transmitter.
USA WTSN, Dover NH. 0959 11/16. 32422 brief fade ups, PSA before "WTSN" at 0959, weather around 0959:30, probably them w/news at 1000; QRM mainly CJCB.
- 1278 **IRAN** IRIB Radio Kermanshah, Kermanshah. 2100 11/7. 34444 flute music, woman few words, flute again, woman talk mentioned Iran, flute, 2101 man words including "Iran" again.
OMAN Radio Sultanate of Oman, Bahla. 2030 11/7. 33333 Arab music, fading under Iran //1242; QRM Iran.
- UKRAINE** Radio Ukraine International, Petrivka. 2101 11/11. 33332 fade up, woman w/news in Russian, no ID but a number of items about Ukraine.
- 1280 **BERMUDA** VSB2, BBN, Ireland Island South. 0858 11/16. 43453 religious choral music, 0859:30 "BBN, on WYFQ-FM, Wadesboro-Charlotte," then BBN programming; QRM NotiUno.

- 1287 **IRAN** IRIB Radio Fars, Lar. 2100 11/7. 22432 flute music, woman few words, flute again, woman talk mentioned Iran, flute, 2101 man words including "Iran" again, //1278 but 0.71 seconds behind 1278; QRM Spain.
- PORTUGAL** RDP Antena 1, Portalegre. 2028 11/11. 22342 spacey music, synthesizer or fingers of edges of wine glasses, 2029:30 Portuguese talk, //630, 666, 720; massive QRM from Spain.
- 1290 **ARGENTINA** LRJ212, Radio Muriáldo, Villa Nueva de Guaymallén/Mendoza. 0259 11/8. 23322 0259:20 man over choir "la sistema Mari... ua" and more talk, then woman talk ... fade ... 0301:50 begin national anthem on organ; QRM probably Radio Brasil Sul.
- BRAZIL** ZYJ619, Radio Caicó, Caicó RN. 2100 11/14. 22332 weak ID but w/completely readable call, bit of talk, "Rádio Caicó AM" again and something about "informação", man sings w/accordion; mainly under strong UnID Brazilian w/football.
- BRAZIL** ZYJ310, Radio Brasil Sul, Londrina PR. 0659 11/16. 22332 instrumental music, IDs QRMed at the wrong moments but including "Super Rádio Brasil Sul, AM 1290, ao Melhor... mas potente emissora do interior do Paraná"; QRM mainly WJNO.
- COLOMBIA** HJKY, RCN, Girardot. 0258 11/13. 133X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1170, 1240, 1260, 1340, 1350.
- USA** WNRI, Woonsocket RI. 0959 11/14. 33443 Latin ballad, long "Latino Public Radio" promo/ID, legal ID at 1002:20, another Spanish torch song: QRM US station.
- USA** WJNO, West Palm Beach FL. 0859 11/16. 33443 financial news, IDs, Fox News Radio; QRM Radio Puerto Cabello, an UnID in Spanish, and US stations.
- 1296 **SUDAN** SRTC Sudan Radio, Rebia. 0300 11/8. 33333 AA male talk, 0300:45 pips, man mentioned Omdurman, trumpet fanfare, news; QRM COPE and XL Radio.
- UNITED KINGDOM** Radio XL, Langley Mill/Birmingham. 0300 11/8. 33323 ads in Hindi, English ID, Sky news, slides under Sudan and COPE.
- 1300 **BRAZIL** ZYK649, Radio Onda Viva, Presidente Prudente SP. 0757 11/8. 33433 Portuguese version of "My Sweet Lord" by woman, "Bom Dia" talk, and a "Padre" men Radio Aparecida, another song; QRM another Brazilian and US station [<http://www.ondaviva.com.br/programacao.php> indicates Aparecida program].
- CUBA** CMKO, Radio Angulo, Banés. 0459 11/16. 23442 only the national anthem audible, this is the only Cuban on 1300 kHz, //s not audible; QRM Brazilian and two stations in Spanish.
- USA** WFFG, Marathon FL. 0259 11/12. 23333 "When Radio Was" item, 0300 ID, Fox news; QRM UnID Spanish station.
- USA** WNBH, New Bedford MA. 0900 11/14. 22322 in a mix of weak signals, "football... do it now at ESPNradio.com" ... "13-40, WNBH, New Bedford"; QRM includes WMID.
- 1305 **EGYPT** ERTU General Program, Asyut. 2100 11/7. 22442 Big Ben chimes, talk, 2100:30 music that sounds like an anthem (but isn't the Egyptian anthem) then talk, //819, 918; QRM RNE.
- UNITED KINGDOM** Wales Smooth Radio, Christchurch/Newport. 0601 11/8. 22431 Supertramp "Breakfast in America", //828, 945; QRM Spain.
- 1309.907 **ARGENTINA** LRA42, Radio Nacional, Gualaguaychu. 0303 11/3. 13321 national anthem //750, but 750 is 11.48 seconds behind 1309.907.
- 1310 **BRAZIL** ZYJ684, Radio Globo, Porto Velho RO. 0457 11/8. 24312 up very briefly, 0457:15 wolf whistle and usual canned "Rádio Globo".
- MARTINIQUE** Martinique Première, Fort-de-France. 0658 11/14. 23432 French talk about terrorist attacks in Paris, 0700 pips, not sure if there is an ID or not, news; QRM US stations.
- 1310.003 **BRAZIL** ZYI691, Radio Cidade Esperança, Esperança PB. 2100 11/7. 24433 fade up for ID w/call, into religious program.
- 1314 **ROMANIA** Antena Satelor, Timisoara and Constanta. 0400 11/8. 32442 pop song, 0400 child's voice men Satelor, 0401 man w/"Antena Satelor" w/local flute music, cock crows; under Spain.
- ROMANIA** Radio Oltenia-Craiova, Craiova. 2159 11/8. 33443 local music, 2200 pips, man w/"Aichi Craiova Oltenia" then possible TC and "Radio ??", folk music; QRM Spain.
- 1320 **BRAZIL** ZYH597, Radio Regional, Sobral CE. 2301 11/13. 33333 fading up, ID and promo for music programming, lively music; QRM Spanish station.
- VENEZUELA** YVWP, Radio Apolo, Turmero. 0259 11/8. 24332 male talk w/characteristic Venez style, "por Radio Apolo" twice, Venezuelan music.
- 1323 **UNITED KINGDOM** Smooth Radio, Southwick/Brighton. 2159 11/5. 24433 ads, 2200:20 ID, but fading down during station hype, 2201 news.
- 1339.960 **BRAZIL** ZYH886, Radio São Luís, São Luís MA. 0101 11/8. 33322 fading in and out, man "Rádio São Luís AM" but lost to Amor Estéreo.
- 1340 **BRAZIL** ZYH661, Radio Pitaguary, Fortaleza CE. 2301 11/7. 32322 fade up, 2301:00 ID, talk hyping their music program, faded within the minute; QRM Radio São Luís.
- COLOMBIA** HJFB, Amor Estéreo, Bogotá. 0101 11/8. 33323 0101:30 fades up, jingle ID, man talk mentioned Bogotá and RCN, ad but fades quickly; QRM Brazilians.
- COLOMBIA** HJHY or HJHA, RCN, Sucre or Nariño, Sincelejo or Pasto. 0258 11/13. 133X1 just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1170, 1240, 1260, 1290, 1350; QRM Brazilian.
- CUBA** CMFL, Radio Ciudad del Mar, Palmira. 0857 11/16. 25433 pop music, 0857:20 ID, male talk re program, weakened significantly by 0900, //1350.
- USA** WMID, Atlantic City NJ. 0956 11/14. 33443 old pop, woman "We're the oldies station that reaches the beaches... WMID, AM 12-30 and 13-40, Classic Oldies, WMID" then Skip and Flip "Cherry Pie".
- 1350 **ARGENTINA** LS6, Radio Buenos Aires, Buenos Aires. 0758 11/14. 34444 religious song, 0759:15 full ID, man w/motivational talk.
- BRAZIL** ZYI675, Super Radio Clube, Campina Grande PB. 2200 11/7. 33333 Brazilian pop music, 2200:45 canned ID, TC, more music; QRM splatter from off-frequency Boa Votande.
- COLOMBIA** HJLO, RCN La Cariñosa, Cauca. 0258 11/13. 143X1 very, very weak, just an ascending four-note sound effect, //760, 770, 980, 990, 1000, 1110, 1150, 1170, 1240, 1260, 1290, 1340.
- CUBA** CMFL, Radio Ciudad del Mar, Aguada de Pasajeros. 0500 11/16. 23432 0459:40 national anthem, 0500:25 bit of spritely instrumental music, //1340 very well synchronized; QRM Radio Buenos Aires and others.
- EGYPT** ERTU Al-Barnameg al-Aam, Al-Qusayr. 2226 11/8. 24433 male talk over music, mentioned "Al-Qahira " at 2126:40, //819 (1350 is 1.56 seconds ahead of 819).
- 1359 **ETHIOPIA** Dimtsi Woyane Tigray, Mekelle. 0258 11/8. 33323 flute IS, faded by 0300, perhaps talk?
- UNITED KINGDOM** BBC Radio Solent, Fern Barrow/Bournemouth. 0400 11/8. 22421 0400:20 BBC Five-Live ID, //909; QRM Smooth Radio and Free Radio 80's.
- UNITED KINGDOM** Free Radio 80s, Shilton/Coventry. 0400 11/8. 22322 Tears for Fears "Everybody Wants to Rule the World," 0400 man w/ID; QRM Smooth Radio.
- 1360 **URUGUAY** CW41, Radio 41, San José de Mayo. 0332 11/8. 33333 fade up over Brazil, woman talking about music, 0332:45 ID by man w/deep south accent over accordion; QRM Brazil.
- USA** WMOB, Mobile AL. 1000 11/14. 23312 poking through WDRC w/"WMOB, Mobile".
- 1368 **ITALY** IRRS via Challenger Radio, Villa Estense. 2029 11/7. 24333 possible music, fades up at 2029:40 "Italian Radio Relay Service" ID and address in American-accented English, rock music.
- UNITED KINGDOM** BBC Surrey, Duxhurst/Reigate. 2059 11/11. 23332 fade up as Manx fades down, Beatles "Yesterday", 2100 woman w/"BBC Surrey" ID, "BBC News at nine"; QRM mainly Manx Radio.
- 1370 **BRAZIL** ZYJ267, Radio Independência, Curitiba PR. 0359 11/8. 33333 lots of Canção Nova talk, 0400:30 faded down but there is a local ID ending w/"Curitiba, Paraná" then religious song; QRM weak UnID Brazilian(s).
- COLOMBIA** HJBO, Minuto de Dios, Barranquilla. 2257 11/13. 23332 religious talk, fade, back up around 2301 w/religious song (classical style), 2301:30 "Minuto de Dios" then begin national anthem; QRM US station and others.
- PUERTO RICO** WIVV, Vieques. 0300 11/8. 23332 music, woman in Spanish w/ID for two or three "Rock Radio" stations, male talk; QRM mainly Brazilians especially Canção Nova.
- URUGUAY** CX42, Emisora Ciudad de Montevideo, Montevideo. 0027 11/8. 13322 0028:10 fade up w/threshold audio, male talk, 0028:15 little tune on celeste, ID w/call followed by the same little tune, 0028:50 male talk referring to "CX42", but faded under Brazilian.
- 1377 **FRANCE** France Info, Lille. 2259 11/7. 44454 ad for CD package, promos for book festival and the France Info "Live" app, ID, news.
- TANZANIA** Radio Free Africa, Mwanza. 2128 11/11. 32342 2128 talks in local language, 2129:20 man "Radio Free Africa"; far under France-Info.
- 1380 **USA** WWMI, St Petersburg FL. 0956 11/14. 33433 Radio Disney hype, Nick Jonas "Levels," 1001:30 fading as woman gives quick ID "WWMI, St Petersburg," but then not sure then if music or talk.
- USA** WKDM, New York NY. 1002 11/14. 23312 just the ID by woman at 1002:00 "WKDM, New York"; QRM many weak signals.

- 1386 **EGYPT** ERTU Holy Koran Program, Luxor. 2100 11/7. 33443 Koran fades up at 2059:30, man w/"Koran al Karim," sound effects, pips, man talk again finishing w/"al Karihra," then Koran again, //1476; QRM not sure, maybe Baltic Waves.
- KENYA** KBC Northeastern Service, Maralal. 2058 11/11. 24332 Toni Braxton "Spanish Guitar", 2059 woman in English mentioned "KBC English Service", smooth jazz, 2100:55 woman "This is KBC Nairobi", TC, fades a bit, possible news by man.
- LITHUANIA** Radio Liberty, Sitkūnai. 2159 11/7. 34443 woman w/Russian talk, 2200 nice "Radio Swoboda" ID, more talk; at first some Arabic QRM.
- 1386.29 **GREECE** Radio Makedonia, pirate/Veria. 2200 11/8. 23332 unstable frequency, woman w/ID in Greek, possible music; QRM splatter from Egypt 1386.
- 1390 **BRAZIL** ZYJ599, Radio Farol, Touros RN. 2157 11/7. 33322 four note ascending chimes before TC, man w/ID that sounds like a long name but then a clear "Rádio Farol" jingle; QRM Spanish station and others.
- BRAZIL** ZYL305, Radio Vitoriosa, Uberlândia MG. 2159 11/7. 22322 celeste ascending scale sound effect, male talk, 2158:50 "Super Itatiaia", //Itatiaia 610; QRM many stations.
- BRAZIL** ZYJ473, Radio Sul Fluminense, Barra Mansa RJ. 0457 11/8. 23322 ending program, jingle "Rádio Sul Fluminense," man then woman talk, seemed to fade.
- PUERTO RICO** WISA, Isabela. 0300 11/8. 23332 music, man w/ID twice, light music; QRM WEGP had faded down.
- 1400 **GRENADE** Harbour Light of the Windwards, Carriacou. 0259 11/11. 33443 choral music, 0300 ID, TC as "11 o'clock," begin program "The Talking Book"; QRM CBG.
- 1404 **MALAWI** MBC Radio 1, Chitipa. 2132 11/11. 23331 2132:30 bits of Lucky Dube "Remember Me", //675, 756, 1422; QRM France-Info (1404 is 0.24 seconds ahead of 675).
- 1410 **BRAZIL** ZYJ614, Radio Santa Cruz, Santa Cruz RN. 2300 11/13. 23332 A Voz do Brasil, 2301 ID w/call, Brazilian song ending w/web address (poss ID or promo?)
- URUGUAY** CX44, La 14-10 (tent), Montevideo. 0229 11/8. 24332 woman talking, ad for tarot, as heard on Radio El Espectador in 2013, "el mejor tarot" [Henrik Klemetz and Horatio Nigro/RealDX suggest that it is this station].
- USA** WPOP, Hartford CT. 0800 11/8. 23323 legal ID, sports report.
- 1413 **MOLDOVA/PRIDNESTROYE** Vesti FM, Grigoriopol/Maiac. 0258 11/9. 22432 male talk in Russian, ending program, poor ID at 0259:30, intro next program; QRM Radio Nacional Spain, BBC and Premier Christian Radio.
- 1420 **USA** WASR, Wolfeboro NH. 0400 11/13. 24321 sports talk, "...WASR is what I mean by having a role..." then not much else; QRM US station.
- VENEZUELA** Radio Sintonía, Caracas. 0331 11/8. 33323 0330:45 fading up, maybe end of sports program, man lists people involved w/the program, 0331:35 begins station list w/station from Maracaibo first, then "Radio Sintonia" but fading fast, then station in Maracay; QRM CKDY.
- 1422 **MALAWI** MBC Radio 1, Matiya. 2159 11/11. 33332 pop song, 2159:30 talk but can't ID language, then 2159:50 "This is MBC Radio One, it's now midnight", news in English; QRM Deutschlandfunk.
- 1430 **BRAZIL** ZYJ604, Radio Libertadora Mossoroense, Mossoró RN. 2058 11/7. 24332 music, "Rádio Libertadora Mossoroense, Especial Musical" and music.
- PUERTO RICO** WNEL, Caguas. 2258 11/14. 24343 woman singing, possible religion, 2300 ID, music resumes, 2300:30 Libertadora Mossoroense coming up makes reception worse.
- 1431 **DJIBOUTI** Radio Sawa, Arta. 2157 11/8. 44444 Hip-hop song, ID and bit of talk, DNCE "Cake by the Ocean".
- 1440 **BRAZIL** ZYH285, Radio CBN Amazônia, Manaus AM. 0759 11/14. 23332 fade up, woman talk mentioning CBN, station sounder twice man w/"Informa CBN" then more talk.
- DOMINICAN REPUBLIC** HIAK, Radio Impactante, Santo Domingo. 2300 11/14. 23333 pop music, 2302:30 fade up Keila Moreno "Hoy Es un Nuevo Día", 2303 man w/ID "Esta es H-I-A-K, 14-40 AM" and music again; QRM likely Livre.
- LUXEMBOURG** China Radio International, Marnach. 2158 11/8. 54554 Chinese pop song, 2200 man in German intros "CRI Panorama", begin of program; QRM Saudi Arabia.
- 1449 **SAUDI ARABIA** SBC Radio Riyadh, Bahrah. 2100 11/7. 34443 local music, 2100 long sounder ending w/man mentioning Riyadh, into news w/fanfares between items, //1521.
- 1450 **USA** WPGG, Atlantic City NJ. 0359 11/8. 23433 flowers ad, 0400 ID, news; QRM another North American station.
- VENEZUELA** YVKJ, Radio Maria, Catia La Mar. 0357 11/8. 23332 woman w/lots of talk, 0401:30 bit of music and man w/"Radio Maria, 1450 AM, una voz católica en su radio," song; QRM many low-level stations.
- 1458 **GIBRALTAR** Radio Gibraltar, Maida Vale. 2029 11/7. 33333 pop music, "Radio Gibraltar, like us on Facebook, follow us on Twitter," more old pops: QRM Lyca Radio and others.
- UNITED KINGDOM** Lyca Radio, Brookmans Park/London. 0259 11/8. 44444 ad, ID, news, 0302:15 "You're listening to 'Late Night Music' on Lyca Radio," jingle, Indian music: QRM other British station.
- 1460 **COLOMBIA** HJJW, Radio Nuevo Continente, Bogotá. 0257 11/8. 33343 man and woman talk, ID w/call, many "Radio Nuevo Continente" mentions.
- USA** WQOP, Jacksonville FL. 0500 11/14. 23332 music, man "WQOP AM, 14-60 Jacksonville" then something about a global Catholic station, woman w/info about when a baby's heart starts beating.
- USA** WOPG, Albany NY. 0958 11/14. 22322 bits of EWTV talk, fades, 1000 woman w/"WOPG, 14-60, Albany and W...."
- 1460.079 **BRAZIL** ZYL356, Radio Buritis, Buritis MG. 0303 11/8. 23322 fade up briefly w/"Rádio Buritis AM" by man.
- 1467 **SAUDI ARABIA** SBC Radio Riyadh, Hafar al-Batin. 2100 11/7. 44434 local music, 2100 long sounder ending w/man mentioning Riyadh, into news w/fanfares between items, //1521.
- 1470 **CUBA** CMLM, Radio Chaparra/Radio Victoria, Puerto Padre. 0359 11/13. 23342 woman few words, 0359:25 national anthem, 0400:15 woman talk, 0400:30 "CMLL Radio Victoria" by woman w/frequencies, then possible male talk, 0401 man "...musical de Radio Victoria..." Opus "Live Is Life", //1050 after national anthem.
- PUERTO RICO** WKCK, Cumbre 1470, Orocovis. 2257 11/13. 34333 Spanish ballad, 2358:50 program promo, ad, 2300 promo for web site, ID, music again.
- USA** WWNN, Pompano Beach FL. 0701 11/13. 34333 ads, 0701:30 "1470, WWNN, Pompano Beach, Boca Raton, Miami, Fort Lauderdale", Steve Kane Show w/questionable medical talk.
- 1470.020 **BRAZIL** ZYJ616, Radio Rural, Parelhas RN. 2057 11/7. 24423 music, 2100:30 ID w/call, two jingles, music; local electrical noise and QRM Brazilian w/football.
- 1476 **EGYPT** ERTU Holy Koran Program, Al-Minya. 2100 11/7. 34433 Koran fades up at 2059:30, man w/"Koran al Karim," sound effects, pips, male talk again finishing w/"al Karhira," then Koran again, //1386.
- 1479.945 **USA** WPWC, Dumfries-Triangle VA. 0457 11//14. 22322 Spanish: brief fade up at 0457:20 w/woman talk, mentioned "Radio Zion", fade, 0500:30 back stronger w/woman w/religious talk; QRM WMDD.
- 1480 **PUERTO RICO** WMDD, La 14-80, Fajardo. 0458 11/16. 33453 Latin Christmas song, 0458:45 IDs, music; QRM WSAR.
- USA** WSAR, Fall River MA. 1000 11/14. 34444 ID, ABC news, ad for how to deal w/IRS, 1003 weather ending w/ad for razors.
- 1490 **COLOMBIA** HJBS, Radio Punto 5, Bogotá. 0701 11/14. 33323 lively music, 0701:205 "En el aire, en toda Punto Cinco, H J B S, 1490 kilociclos, transmitiendo desde Bogotá", talk but fades quickly.
- USA** WXTG, Hampton VA. 0700 11/13. 23322 country song ending, poor ID "WXTG AM [Hampton?]"... we're here for ya, 24-7, except when [Imus?] is on, 14-90, "The Outlaw", news.
- USA** WMBM, Miami Beach FL. 0457 11/14. 24322 Latin-sounding music, promo for religious service and other events, many "Gospel AM 14-90, WMBM, WMBM.com" IDs; long fades, QRM weak WBAE and others.
- USA** WMRC, Milford MA. 0500 11/16. 24422 fade up 0459:35 "Rick Michaels at__ in the morning... WMRC, Milford," woman reads news.
- 1499.814 **PERU** OBX41, Radio Santa Rosa, Lima. 0757 11/14. 23322 bits of audio, but fades up w/music, 0757:45 man w/few words, musical ditty, then ID for MW and SW and a series of tel numbers; QRM splatter from 1500.
- 1500 **BRAZIL** ZYH487, Radio Jacuípe, Riachão de Jacuípe BA. 2201 11/14. 23322 2200:50 ID pops up then music; under Radio Dos Mil.
- 1510 **VENEZUELA** Radio Nacional de Venezuela, Güigüe. 0458 11/8. 23332 music, fading up, 0458:35 ID "RNV, Radio Nacional de Venezuela, el sabor de la patria" and more dance music, faded away; QRM WMEX.
- 1520 **COLOMBIA** HJLI, Radio Vida, Bogotá. 0300 11/8. 34333 fade up w/lots of IDs, asking for money for this religious movement; QRM seems to be another Spanish station.
- COLOMBIA** HJLI, Libertad, Bogotá. 0956 11/14. 25332 0956 "Libertad" ID, some religious talk, 1000 ID again; so sign of WWKB.

- 1530 **BRAZIL** ZYH479, Radio Cultura, Guanambi BA. 0232 11/8. 33333 ad ending, man w/TC, "Rádio Cultura" jingle, pop music; QRM in English.
BRAZIL ZYL280, Radio Clube, Pouso Alegre MG. 2231 11/14. 23332 music, 2231:40 man w/ID, adds shortly after "...muito obrigado... Minas Gerais...", "Clube AM" jingle.
PANAMA Radio Avivamiento, Pendragal/Panamá. 0500 11/16. 22442 distorted signal, initially too distorted to get anything, 0502 better w/woman talking very quickly w/some sort of promo, man short religious talk finishing w/three yelled "¡Dios es amor!" then 0502:40 woman again mentioned "Radio Avivamiento [one or two words] el poderoso programa de Dios" but very quickly; the TOH routine seemed to be exactly the same at 0300 and 0400 and on 13th.
PORTUGAL/MADEIRA Posto Emissor do Funchal, Funchal. 2100 11/11. 32342 2100:45 woman talk Portuguese (possibly news headlines), 2101:30 Portuguese pop hit "Sem Cor" by Dr1ve; QRM VOA.
ROMANIA Radio România Actualități, Rădăuți. 2300 11/7. 23332 Tom Jones "It's Not Unusual," ID, sound effects; QRM WCKY.
UNITED KINGDOM Pulse 2, Vicars Lot/Huddersfield. 0259 11/9. 33443 ads, 0259:40 canned ID, 0300 Sky News; QRM România Actualități and weak stations.
- 1539 **SPAIN** SER Radio Manresa, Manresa. 2301 11/7. 32432 SER break at 2259:26, but a mess of signals until 2300:35 when this one emerges w/ad, ID.
1540 **BAHAMAS** ZNS1, Radio Bahamas, Nassau. 0956 11/14. 44444 Whitney Houston "Exhale," 0959:25 funky music, 1000 strident organ, 1000:30 M intros "Prayer Time" w/IDs for all Bahamas stations.
BRAZIL ZYK293, Radio Tropical, Três Corações MG. 0001 11/8. 23322 in a mix of weak stations, possible music, 0001:35 woman w/clear "Rádio Tropical," then an Aparecida station list by man, that I think was a different station.
BRAZIL Radio Novo Milênio, Sertãozinho SP. 0501 11/8. 23332 fade up, ID at 0501:45 "Voce sintonizar Rádio Novo Milênio, 1540 kilohertzios, 24 horas no ar falando do Amor de Deus. Rádio Novo Milênio"; QRM Bahamas and US station [ID thanks to Rocco Cotroneo/RealDX].
- 1548 **UNITED KINGDOM** BBC Radio Bristol, Mangotsfield/Bristol. 2159 11/8. 44544 talk program ending, 2159:50 ID, then "BBC news for the West"; QRM weak other British station.
1550 **BRAZIL** ZYJ371, Radio Globo, Jacarezinho PR. 0357 11/8. 13321 music by steel band? 0357:40 wolf whistle, echoed "Radio Globo" then slogan w/"Radio Globo," music, //1100, 1220.
COLOMBIA HJCB, Radio El Sol, Barranquilla. 0459 11/16. 33422 "Radio El Sol, La Cariñosa" ID, frequency, jingle; QRM WRHC and Radio Rebelde, essentially obliterated when Rebelde began its national anthem at 0459:40.
PUERTO RICO WKFE, Radio Isla, Yauco. 0100 11/8. 23322 0100 just glimpses of woman in Spanish, but she improves so by 0100:30 it is clear she is giving a promo for some event, Puerto Rican news.
USA WRHC, La Poderosa, Cadena Azul, Coral Gables FL. 0800 11/14. 33443 Spanish; music, 0801 "La Poderosa y Cadena Azul" notices and promo, 0801:45 WWFE legal ID, then news.
- 1557 **FRANCE** France Info, Col de la Madonne. 2300 11/7. 44454 promo for France Info "Live" app, ID, news.
1559.793 **BRAZIL** ZYH622, Radio Difusora Vale do Curu, Pentecoste CE. 2100 11/7. 34333 music, 2100:30 ID w/frequency, ad string.
1560 **PUERTO RICO** WRSJ, Metro Radio AM, Bayamón. 0457 11/8. 24333 MOYL, 0457:15 woman identifies singer, man says "Metro Radio AM," Spanish cover of MOYL standard.
- 1566 **NETHERLANDS** Vahon Hindustani Radio (tent), Leidschenveen/Den Haag. 0301 11/9. 22431 bits of traditional Indian music under two Brit stations [much too late for India].
UNITED KINGDOM Premier Christian Radio, Peasmarsh/Guildford. 0302 11/8. 22332 bit of talk, 0302 very poor ID, familiar hymn fades up.
- 1570 **BRAZIL** ZYH496, Radio Povo, Jaguaquara BA. 2200 11/7. 33323 fairly sure this is the up-beat rel song at 2200, 2201 fade down by Sertão Central leaving clear ID as "1570 Povo AM" then date mentioned program of music to the glory of God; QRM Radio Sertão Central.
BRAZIL ZYH621, Radio Sertão Central, Senador Pompeu CE. 2200 11/7. 32323 frequent deep fades, canned echoed ID at 2200:45, fade to 2201:45 then back w/echoed ID again and web address; QRM Radio Povo.
BRAZIL ZYK670, Radio Clube, Tanabi SP. 2301 11/7. 22332 under a stronger UnID Brazilian, peppy talk, hype about their music, 2302 canned "Clube" echoed [The other Club on the freq is listed as MIL.]
BRAZIL ZYI798, Radio Asa Branca, Salgueiro PB. 2201 11/14. 22321 "Asa Branca, a__ vida" by man in a break in much stronger Radio Povo and Radio Sertão Central [only comprehensible in USB].
MÉXICO XERF, Ciudad Acuña, Coah. 0400 11/8. 32322 fade up, woman w/"XERF" ID and then man w/ID for FM outlet, fade; QRM religious station in Portuguese (WMVX?) and a station w/just music.
PERU OAU7Z, Radio Carráviz (tent), Juliaca. 0702 11/14. 23321 terribly garbled signal, woman w/religious talk, in Spanish I think, 0702:45 "Radio Ca-[something]".
USA WMVX, Beverly MA. 0458 11/16. 33433 pop-sounding religious music, 0500:15 "Nossa Rádio," man w/religious talk in Portuguese; QRM UnID instrumental music station [too strong for a Brazilian station at this time].
- 1574.966 **IRAN** IRIB, Abadan. 2030 11/7. 33323 fade up at 2029:40 w/national anthem, 2030 three tones, woman w/ID, militaristic song; QRM Spain and Egypt.
1580 **COLOMBIA** HJQT, Verdad Radio, Bogotá. 0302 11/8. 22332 mainly under Puerto Rico, ID w/call, talk.
PUERTO RICO WMTI, Faro de Santidad, Morovis. 0359 11/8. 23333 music ends, promos for programs on "Faro de Santidad," fade; QRM Verdad Radio CLM.
USA KBLA, Santa Monica CA. 0900 11/8. 24333 Spanish: woman w/event promo, man "KBLA, 15-80 AM, Santa Monica," promos w/phone numbers , 0901 "Atención, atención, Los Angeles, California..." announcing "Voz de la Liberación"; QRM Puerto Rico.
- 1584 **EGYPT** ERTU Holy Koran Program, Idfu and Baris. 2028 11/7. 22321 far beneath Spain w/Koran, //1476.
1590 **BRAZIL** Radio Restauração, Caruaru PE. 2257 11/7. 24332 music, man w/religious talk, seems to be promos men "Restauração" for religious programs, 2258:15 woman w/ID, then again at 2259.
- 1593 **FRANCE** Bretagne 5, St Gouéno/Collinée. 2200 11/8. 34533 Antonio Carlos Jobim "Brazil", pips, woman w/"Bretagne 5" ID, fanfare then man w/sports news starting w/tennis; splatter from 1600.
ROMANIA Radio România Actualități, Ion Korvinn. 2100 11/7. 33432 ID, pips, news; QRM Bretagne 5.
- 1615.22 **GREECE** Radio Delta, pirate/Giannitsa. 2157 11/8. 35334 Greek music, 2157:10 short announcement including "Delta" then some numbers, music w/out announcement to past 2202.
- 1620 **ARGENTINA** LRI309, AM 1620, Mar del Plata. 0100 11/8. 22332 Argentine song, 0100:40 woman w/ID "AM 16-20, Ayre nuevo en Mar del Plata" and more music; QRM Radio Reloj with a defective transmitter.
1629.828 **ARGENTINA** LRM991, Radio América, San José. 0230 11/8. 23332 pips, talk, 0230:30 "Transmité Radio Melody".
1635.10 **NETHERLANDS** Radio Barones, pirate. 2157 11/8. 25333 Neil Diamond "Sweet Caroline", 2157:40 Grand Funk Railroad "Some Kind of Wonderful" but woman talk over in French w/greeting to listener, then in German, music continues, 2159:45 "Baro" in Dutch, 2200:45 rock song.
- 1640 **DOMINICAN REPUBLIC** Radio Juventus Don Bosco, Santo Domingo. 0257 11/11. 24332 music w/beat, 0301:20 ID a few times by man, including web address.
1643.84 **NETHERLANDS** Wadloper, pirate. 2258 11/7. 24432 George Thorogood "Bad to the Bone", 2259 man in English "This is Wadloper", more "Bad to the Bone" then "The one and only station of... Wadloper. We are closing down." but music and some chat to past 2302.
- 1660 **PUERTO RICO** WGIT, Faro de Santidad, Canóvanas. 0300 11/11. Program ends w/web address for program, man intros next program men "Faro de Santidad"; QRM WWRU.
1670 **DOMINICAN REPUBLIC** La Voz del Yuna, Bonaó. 2257 11/14. 25332 Dominican dance music, 2302:20 pips, woman "La Voz del Yuna [word] la hora" then man "la siete de la noche" and music resumes.
1680 **DOMINICAN REPUBLIC** HIC82, Radio Senda, San Pedro de Macorís. 2257 11/14. 25333 ads for upcoming religious events, 2258:30 ID w/call, TC, 2259 echo ID, religious songs building strength.
- 1700 **USA** WRCR, Ramapo NY. 2100 11/7. 35454 appeal for people to apply for sales positions at the station, legal ID, USA Radio News.
1700.37 **ARGENTINA** Radio Imagen (tent), Castelar/Buenos Aires. 0259 11/8. 14331 glimpses of enthusiastic woman from 0259:10, bits of the national anthem (orch then choir) from 0300; QRM splatter from 1700.
1710 **USA** WQFG689 (TIS), Hudson County NJ. 0258 11/9. 13421 seems to be mainly woman w/PSAs, 0300 man ID "WQF...9" then a few more words; QRM various squeaks and noises.

PERU RADIO NOTES – Karl D Forth

DXing from Karl Forth in Haunchaco, Cajamarca and Chota, Peru, while traveling with DXers Don Moore and John Fisher.

- 540 Radio Santiago from Guayaquil good signal 0140. (Heard in Huanchaco 5/13)
- Radio Lider de Puno, 0300 ID and time check, Andean mx. Not listed in radio database. (1150 in Puno listed) (Heard in Cajamarca 5/20)
- 570 ID sounded like Radio Narino, at 0433. Huamachuco, Lambayeque, Ica stations listed here. (Heard in Chota 5/23)
- 580 Radio Maria, Lima heard 0317. (Huanchaco 5/16)
- 600 UnID La Voz de Ponama (??) rustic vocals, female ID 0330. (Chota 5/23)
- Local Trujillo station 0144, not IDed. Radio Ondas de Paz Trujillo listed. (Huanchaco 5/13)
- 610 Radio Santa Monica, Chota heard with religious program. Asociación Religiosa Cultural Santa Monica listed in database. (Chota 5/23)
- 650 Religious programs 2330, not IDed, Radio Benediccion Cristiana active. (Chota 5/22)
- 700 Religious station local or strong signal from Cajamarca. (Heard in Cajamarca 5/19)
- 710 Radio Turbo heard 0200. Grupo Turbo Mix listed in government database (Cajamarca 5/20)
- 730 Radio Maria heard 0145, not sure of location. (Cajamarca 5/20)
- 740 Radio Ilucan heard 2247. (Chota 5/22)
- 750 Radio Caravana in Guayaquil heard 0001. (Chota 5/23)
- 780 Bambamarca news items, time pips then off 0200*, no ID, Radio Coremarca in Bambamarca listed. (Chota 5/23)
- 790 Radio RPP 0247 strong with sports. (Huanchaco 5/14)
- 800 Religious station, not IDed. Cadena de Radio Vision listed in government database. (Cajamarca 5/19)
- 810 Caracol Radio from Bogota heard 0302. (Chota 5/23), Also 0000 (Huanchaco 5/16)
- 820 Continente Radio, good local mx 0210. (Cajamarca 5/19)
- 870 Guayaquil heard 0400, no station ID. Radio Cristal is online. (Chota 5/23)
- 880 Radio Sintonia in Trujillo, local station. (Huanchaco 5/14)
- 930 Radio Moderna, Lima, heard 0125 very strong. (Huanchaco 5/14) Henrik Klemetz to me that reported that slogan here is Moderna Radio Papa.
- 950 Radio Santa Rosa, 0310 fair signal, Peralta Barboza Elvis listed in Hualgayoc. (Cajamarca 5/20)
- 970 Radio Lider, news and ID 2230. Listed as Compania de Radio and Television Lider, Cajamarca. (Cajamarca 5/20)
- 980 Andina Radio in Chota, unlit tower seen about a mile southeast of our listening post, very loud uncontrolled, splashy signal. Off the air 0300 one night, heard anthem 0257 then off shortly after the next night. (Chota 5/22 and 5/23)
- 990 Radio Latina from Lima heard 0415. (Chota 5/23)
- 1010 Radio Cajamarca local music, cutoff and ID 0233*; (Cajamarca 5/20) Radio San Francisco in Cajamarca listed in db, but Radio Cielo also heard here 0314. (Chota 5/23)
- 1020 Semi-local Radio Bambamarca is listed. (Chota 5/23)
- 1070 Radio Vida heard ID 0245, Chiclayo listed. (Cajamarca 5/19)
- 1080 Guayaquil heard here 0226 with good signal but not IDed. Radio Sistema 2 is listed. (Huanchaco 5/14) Klemetz reported Sistema 2 is widely heard in northern Peru.
- 1100 Distant signal in Portuguese, mention of Brazilian cities, 0325. Likely Radio Globo, Sao Paulo. (A weak signal on 860 also heard.) (Cajamarca 5/19)
- 1120 Radio Paz with contemporary, digital, auto-tuned music, no ID 2145. (Chota 5/23)
- 1170 Religious program in Spanish 0315, not IDed, Radio Layzon in Cajamarca listed. (Cajamarca 5/19) Klemetz reported that La Voz de la Liberacons program could be carried here by Radio Jerusalén.
- 1200 La Voz de Cumbe, heard sign-off 0300*, Frecuencia Podagogia listed in database (Cajamarca 5/19)
- 1280 Radio Moderna ID heard 2230 in Cajamarca. (Cajamarca 5/20)
- 1290 News program, ID 0400, Trujillo? Radio Portales? (Local Chota also on 1290) (Chota 5/23) Klemetz reported this is probably RPP in Tumbes.
- Radio Estelar, upbeat music, ID 2259, Digitel S.A.C. listed as owner for Chota. (Chota 5/23)
- 1300 Radio Comas ID heard 0127, Lima listed. (Huanchaco 5/16)
- 1310 Radio Chota 2305 with good signal, local announcements, after visiting station. Radio Chota S.C.R.L. listed as owner. (Chota 5/23)
- 1340 La Voz de Dios mention heard while in Cajamarca. Radio Shalom listed in database. (Cajamarca 5/19)
- 1350 UnID, in Portuguese with Brazilian sports 0300. (Huanchaco 5/13) Porto Velho from Brazil was heard on Don Moore's antenna and reported by Klemetz.
- 1380 "Radio 1380" ID heard, good music, having transmitter trouble, cutting in and out 2300, Radio Altahuaypa listed. (Cajamarca 5/19) Klemetz reported that this is Radio Campesina in Cajamarca.
- 1400 Radio Agricultura heard 0255, Cortez Morales Francisco listed in database. (Cajamarca 5/19)
- 1420 Radio Positiva from Bambamarca heard with local ads 2300. (Chota 5/23)
- Radio Nor Peruana heard, Heredia Barbosa Juan Fernando listed. (Cajamarca 5/19)
- 1450 Radio Libertad heard 1215 news and sounders from Bambamarca. (Chota 5/23)
- 1470 Radio Capital ID heard 0300. Lima listed. (Huanchaco 5/14)
- 1500 Heard religious stations, Radio Bonenciar (?), or similar, did not hear listed Radio JCL ID. (Huanchaco 5/16) Klemetz reported that this is Radio Comercial in Trujillo.
- Radio Santa Rosa heard with Andean music 0155, Lima listed. (Huanchaco 5/13)
- 1540 Radio Mundial ID, religious program, Trujillo listed (Huanchaco 5/16)

Karl D Forth, Sangean ATS-909, DXing from Huanchaco, Cajamarca and Chota with Don Moore and John Fisher. Henrik Klemetz listened to Don's SDR recordings and his past listening and research.



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway

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Geomagnetic Summary September 1 2018 through September 30 2018

Tabulated from WWV on-line status daily (K @ 0000 UTC).

Date	Flux	A	K	Space Wx										
9/ 1	68	4	1	no storms	9/11	69	35	2	moderate, G2	9/21	67	8	5	minor, G1
2	68	5	2	no storms	12	70	8	3	no storms	22	68	27	4	minor, G1
3	68	5	1	no storms	13	70	17	3	no storms	23	68	12	2	no storms
4	68	9	3	no storms	14	69	16	3	minor, G1	24	69	7	2	no storms
5	68	11	1	no storms	15	69	8	2	no storms	25	68	11	3	no storms
6	67	6	2	no storms	16	69	6	2	no storms	26	69	8	3	no storms
7	68	5	1	no storms	17	68	11	3	no storms	27	67	7	2	no storms
8	39	5	2	no storms	18	68	6	1	no storms	28	69	8	2	no storms
9	68	7	3	no storms	19	68	4	0	no storms	29	69	10	3	no storms
9/10	69	21	5	minor, G1	9/20	67	2	0	no storms	9/30	68	6	2	no storms

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level

Madison-Milwaukee DX Get-Together 2018

25th Annual Madison-Milwaukee DX Get-together 8/18/18

The date was August 18 2018, the third Saturday of the month. It was a beautiful day in Madison, Wisconsin, sunny with calm winds and a temperature that peaked at 80 in mid-afternoon. People began gathering in Lake Farm Park at Shelter 3 as early as 11 AM for the annual one-day Madison-Milwaukee Get-together for DXers and Radio Enthusiasts, scheduled to start at 1:00 PM. Over the next several hours they kept on coming until we had a final count of 47 DXers and ten family members and guests for a total of 57 attendees. Our hopes for a great turnout had been realized. We had circled this date since our last Madison-Milwaukee Get-together in Oak Creek WI 52 weeks earlier, for this one would be a milestone. As hard as it was for even us to believe, this would be the 25th straight year we held this annual event.



FRONT ROW (kneeling or sitting) L to R: Steve Gastreich, Mike Nikolich, Neil Bartlett, Bill Tilford, Willie Schrieder, Carlie Forsythe, Gary Cannalte, Rick Dau, Don Moore, Craig Menning, Mark Heleniak, Frank LaPin, Bill Dvorak

SECOND ROW L to R: Dave Willow, Mike Piering, Mike Henke (leaning forward), Kevin McGill, Bev Schrieder, Randy Schrieder, Bob Brossell, Neil Kazaross, Ken Hawkins, Mark Draeger, Marv Shults, John Lentz, Al Hajny, Joe Olig, Ernie Wesolowski

THIRD ROW L to R: (here's where the lines between second and third row get confusing) Chris Kadlec, Paul Noonan, Tim Noonan, Joe Farley, George Greene, Monica Thomas, Pete Ferrand, Jim Albrecht, Mark Taylor, Gary Siegel, Frank Merrill, Erik Berntsen, Dave Legler, Dave Hascall, Dave Whatmough, (further to the right) Jim Green, Curtis Sadowski

A little background on the Madison-Milwaukee DX Get-together is appropriate here. The idea of an annual one-day mostly social get-together for DXers had its beginning from the experiences of Tim Noonan, Bill Dvorak and Joe Olig in hosting and attending various formal and informal DX gatherings over the years. We thought it would be a great idea to host an annual local gathering of DXers as a meeting point for area hobbyists, and worked to get such an event off the ground.

One of our friends, Kevin Klein whose two hobbies were DXing and car collecting, would come down from Appleton WI every year on the third weekend in August to enter his car in a local car show, arriving on Friday night and leaving after the show on Sunday. In 1994 we decided to hold our first get-together on the Saturday of that weekend with Kevin as one of the first attendees, establishing the third Saturday in August ever after as a permanent date for the get-together. Tim, Bill and Joe co-hosted the first event. We invited every area DXer we knew and held it at Bill's house. The first year's attendance had a very modest turnout – only eight attendees including your three hosts (we almost had as many hosts as guests). Still it was a start.

One of the attendees that first year was Rick Dau from Iowa City IA. Thus from the very beginning our local event took on not only a local but a regional dimension. The following year three Illinois DXers, Neil Kazaross, Norm Geuder and Mark Strickert, joined us. Then in the fourth year George Greene from Akron OH and Ernie Wesolowski from Omaha NE came, the first two attendees from non-adjacent states (in all we have had attendees from 16 states and the District of Columbia). Finally in 2006 we went international when world-renowned DXer Victor Goonetilleke from Sri Lanka, while visiting his son, a student at the University of Wisconsin-Green Bay at the time, attended GTG #13 held that year in Grafton WI.

After our first get-together, Tim Noonan and Bill Dvorak began alternating host duties while Joe Olig hosted an annual winter GTG for locals only. By the 1998 get-together, our fifth, attendance had grown to 20.

During this time our official name was the Madison Get-together for DXers and Radio Enthusiasts. That changed in 2004. The previous year Tim moved to the Milwaukee area to take a position as lecturer at the University of Wisconsin-Milwaukee. Tim wanted to maintain hosting duties, so we reinvented our event. Tim and Bill would continue hosting in alternate years, Tim's years in the Milwaukee area and Bill's in Madison. The name was changed to the Madison-Milwaukee Get-together for DXers and Radio Enthusiasts, with the smaller Madison getting first billing because that is where it all started. The first Milwaukee area venue was at Sheridan Park in Cudahy WI on August 21, 2004. We also started informally and unofficially referring to our event as the M&M DX GTG, M&M for Madison-Milwaukee. From that point on a bowl of M&M's became the centerpiece of our GTG snack table.

This was about the time we started publicizing our event in club bulletins and on DX shows. With this publicity we began a period of growth, seeing our annual attendance climb from the upper 20's into the 30's and 40's where we have remained ever since.

So there is a brief history of the Madison-Milwaukee DX Get-together. This brings us back to that beautiful day a few weeks back when we celebrated our milestone 25th event.

Hosts for the day were Mark Taylor and Bill Dvorak. This is the second time that Mark and Bill have teamed up as co-hosts, the last time in 2016. Mark has played a significant role in the get-together for more than 15 years. In 2009 he hosted the 16th Madison-Milwaukee GTG at his home in Madison. He has been instrumental in introducing the antenna farm, the Lake Farm Park venue and the catered dinner into the get-together program (more on these later).

The venue, Lake Farm Park, is a beautiful County park just south of Madison in what is known as the Capital Springs Recreation Area. The park itself is 328 acres and includes camping and campground facilities, bike and hiking trails, boat launches, play areas and other features. The park's three shelters are on the shore of Upper Mud Lake which despite its name is a very pretty lake. You can commonly hear sand cranes while in the shelter area. This day they were very bold, walking very close to our shelter. A beautiful site within a beautiful park.

Camaraderie is a founding pillar of the Madison-Milwaukee DX Get-together, and there is plenty of time to catch up with others that you may see only once a year at our event. It is obvious to even the most casual of observers that this group enjoys each other's company. Plenty of snacks and beverages are provided to keep the good talk going.

The antenna farm was introduced into our get-together several years back by Mark Taylor. Mark is always the first person on site on get-together day, stringing up longwires and other antennas. DXers are encouraged to bring radios and hook up to an antenna, and also to share their receiver with others. A tent is put up with a picnic table inside to protect both person and equipment from the elements. All lead-in cables end in the tent. Some exotic boat anchors have been brought to the GTG over the years for interested parties to try out.

Recently we have introduced radio-related presentations into our program. Since this is just a one-day event, we limit our presentation time to one hour total and try to make them as interesting as possible. This year Don Moore, a frequent traveler to Latin America, gave a slideshow presentation on Peruvian radio, Steve Gastreich played a three-minute podcast of a WTMJ 620 Milwaukee reporter interviewing a Finnish DXer who had sent the station a reception report, and professional book narrator Pete Ferrand gave a talk about Project Elf, a very low frequency submarine communications system, as described in a chapter of a John Keel book. The hour was very interesting indeed.

Dinner has always been a big part of our event. When we moved To Lake Farm Park in 2016 we decided a sit-down dinner at a local restaurant was logistically impractical. So we worked with a local caterer, Cranberry Creek, and came up with a dinner winner. The caterer delivers a meal directly to the shelter, sets it up buffet style and comes back later to tear it down. This year for \$18.00 you could enjoy beef tips in burgundy sauce, cranberry chicken breast, pasta primavera, roasted red potatoes, island vegetable blend, tossed salad with assorted dressings, dinner rolls, non-alcoholic beverages, coffee and cake.

After dinner we drew names for door prizes. For years Universal Radio has generously supplied us with several nice items to give away and we have been very thankful for their support.

The last formal item on our program is what we call the "Passing of the Torch." It is our first announcement of next year's get-together, date, host and venue. Next year's event will be Saturday, August 17, your host will be Tim Noonan and the venue will be his home in Oak Creek WI.

We were delighted this year to have as a first-time attendee Dave Whatmough of Hamilton, Ontario. Dave was our first Canadian attendee, and we are grateful to him to share his time with us.

This is our open invitation to you. The plan is to continue the Madison-Milwaukee Get-together many years into the future. A lot of time and effort has gone into making this a great event to be enjoyed by those who have in common the wonderful hobby of DX. If you live within driving distance of southern and southeast Wisconsin or if you plan to be in the area around the third weekend of August, please consider joining us. We would be very pleased to extend our hospitality to you. For more information on next year's event, please contact Tim Noonan. Tim's e-mail address is dxing2@aol.com. He will be more than happy to put you on our invitation list and keep you informed as the date gets closer.

We hope you have enjoyed this article. If you do make a future event, we look forward to meeting you.

PS: we hope you enjoy the group photo courtesy of our get-together photographer Dave Legler.

Bill Dvorak

Other photos are here: <https://tinyurl.com/mm2018gtg>

A DXers Technical Guide, 4th Edition (Spring 2004)

In its nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs.

Prices: **IRCA/NRC members** – \$15.00 (US), \$16.50 (Canada) \$18.00 (México), \$20.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

Sunrise/Sunset Maps

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