

1105

The October 1995 Newfoundland DXpedition
"Brazil Nuts" or "Of Moose And Men"

Musings by Jean Burnell, Dave Clark, Mark Connelly, Neil Kazaross, and Jim Renfrew, narrated by Bruce Conti.

Once again, the Lawlor's Hospitality Home in Cappahayden, Newfoundland was converted into "The DX Inn" as DXers from the United States and Canada descended upon this north Atlantic coastal community for a week of unparalleled DX. Plans for this 8 - 15 October DXpedition began taking shape shortly after the results of a successful Spring '95 NF DXpedition were published. Jean Burnell of St. John's, NF took care of all the initial arrangements for what was to be the largest group yet since these DXpeditions began back in 1991. Much of the planning was facilitated by e-mail communications, as participants in this and previous NF DXpeditions bounced their ideas and intentions off each other. The following are the accounts of the individual October '95 NF DXers in addition to my own comments, beginning with DXpedition coordinator Jean Burnell.

Jean Burnell:

"This was the fourth "Newfoundland DXpedition" for which I played "host", but each event has been very different from the others. This DXpedition had the largest contingent of DXers, and we were active for longer than before. I am very grateful to my wife, Stephanie Kaiser, for helping me get everything ready, and for ferrying thousands of meters of wire, receivers, a table, food, etc. to Cappahayden. I thought the effort was worth it! It was a lot of fun to DX again with the veterans of previous DXpeditions (Neil Kazaross, Bruce Conti, and Mark Connelly), and it was a pleasure to welcome two new NewfoundDXers (Jim Renfrew and Dave Clark). The quality of the DX was very good, also. The highlights for me were the unprecedented numbers of Argentinians and Uruguayans, the ever-challenging low-powered Brazilians, and the exciting run of Kenyans we bagged on the last evening. I was pleased finally to have a solid log of Macedonia on 810 kHz, which was only a very tentative 10-second log during NF DX II back in 1993. Dave Clark and I also indulged in an occasional foray into the tropical bands. We were rewarded with a suite of 60 and 90-meter All India Radio stations, including the outlet in Gangtok, which "counts" as the DX country Sikkim. I was once again disappointed by our inability to log Chile, and I was somewhat surprised that we were unable to receive either Finland or the Faroe Islands. My hardware-highlight was a new Drake R8A receiver that arrived during this DXpedition, but it meant that I was doing a lot of fumbling with the unfamiliar controls during the last couple of nights. My logbook is evidence that my lack of familiarity with the Drake affected my DX productivity, but I don't think I missed any major catches because of this. Overall, another A-plus outing!"

As Jean mentions, a couple of countries key to reaching the 100-country goal were missed. The entire team ganged-up on 531 kHz on a couple of mornings with the hope of hearing the Faroes sign-on. But the slightly auroral conditions combined with interference from Spain on 531 kHz and Radio Vision Cristiana on 532 kHz nixed our chances. Bulgaria is a supposedly easy-to-hear country that never made the logs. I sat on 1224 kHz a couple of nights hoping to hear the VOA relay that was logged in '93, or at least something parallel to a Radio Bulgaria foreign service shortwave frequency; no such luck. 1060 kHz also consumed a lot of my time in the quest for Chile. Brazil and Venezuela were eventually identified on 1060, and hints of Mexican-style music occasionally squeaked through, but Chile remained an unheard target. Despite the missed stations, we still logged 95 countries, 3 more than our previous (1993) record of 92 countries.

Another "hardware-highlight" had to be the ICE active antenna splitters. First introduced to NF DXpeditioning by the Spring '95 team, these maximized

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efficiency and flexibility by allowing DXers to select available antennas without disrupting each others monitoring activities. When conditions were hot in one direction, all of us could jump in on the action, sharing the south or the "Euro" wires. Even phasing and regenerative tuning were performed on shared antennas without interference. I now consider the active antenna splitters indispensable tools for all future group mediumwave DXpeditions. Thanks to John Bryant for the loaners, and to Jean for his additional just-in-time purchase.

Newfoundland DXpedition alumnus Neil Kazaross was the first to arrive. Jean and Neil had installed the requisite European and Brazil Beverages at Cappahayden on Sunday, 8 October, for the first night of DX. They were both already logging the exotic by the time I arrived later that night. Neil championed efforts to log low-power Brazilians, to the extreme of extending the Brazil Beverage length to over one-mile (2 km) for the following night! However, poorer than expected performance prompted an inspection the next morning, whereby it was discovered that the extension was dragged off-course by a moose during the night. Although Neil had been quite successful with a mile-long Beverage when he used to have a residence in Rhode Island, the Brazil Beverage was restored to its original 1 km length for the remainder of the DXpedition, fearing that anything longer would once again be damaged by moose or hunters.

Neil Kazaross:

"Once again it was a DX pleasure to travel to Cappahayden and DX with my old friends Jean, Mark, and Bruce, and meet some new ones, Dave and Jim. Clearly this is a special DX spot, far, far away from most locals and resulting in many clear frequencies where very distant low powered DX could be heard. The combination of long Beverage antennas up to 3280-feet (1 km) and sea gain is what allows 250-watt Brazilians to be heard on many channels like 1550 and 1590 kHz, and also allows word-perfect arm chair copy of hundreds of TA's. In the mid 80's I had the pleasure of a seacoast Beverage home in Ogunquit, Maine. But this site, due to lack of QRM, blows Maine away. Once again I leave there in awe of seacoast Beverage antennas and wishing I had a square mile farm here in Illinois, to put up more antenna length than my 200-meter wires.

"I spent most of my DX time chasing rare and difficult DX like Brazilian graveyarders and didn't bother to listen to the easy stuff. For me it's the thrill of the rare log that would be impossible most anyplace else at a comparable distance. Conditions this time were not very auroral, but I still think this was the best South American DX yet, and I loved the many Argentina and Uruguay loggings we got. African DX was not as good as the first time here (1991 DXpedition), when a huge aurora wiped out many of the European pests, but it still was great to log Botswana.

"Thanks to the magic of e-mail, I will often be talking to my friends from this DXpedition, but I doubt I will have the pleasure of seeing many of them 'til Newfie-5, whenever that may be!"

Neil also experimented with a Byan remote-controlled termination antenna system I installed in a southerly direction at Cappahayden. The antenna system is named after its originator, fellow DXer Steve Byan, who developed a method of being able to vary the terminating resistance at the end of the wire by remote-control from the DX shack, using an incandescent vactrol as a termination device. Some experimentation with ground radials at the termination and lead-in noise reduction resulted in successful field test of this concept. Neil fine-tuned the termination from the comfort of the shack to add to his Brazil loggings, and we both demonstrated significant nulling of local stations in both day and night conditions. Expect to see more on this concept in the DX press, as more DXers become familiar with the system. I picked up Jim Renfrew at the airport on Monday, the second official day of the DXpedition. For Jim, it was his first time, reminding me of the

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DX overdose I experienced on my first Newfie DXpedition.

Jim Renfrew:

"Hearing stations from countries as diverse as India, Belarus, South Africa, Ascension Island, and Paraguay (not just once but almost every time we tried for them) reveals the amazing potential of this Newfoundland site. In just one week, I personally logged over 300 stations, from almost 90 countries. I have logged half that many countries in 20 years of DXing from Rochester, NY, so it was absolutely breathtaking to spin the dial and find rare DX in almost every direction. It's been a bit depressing returning to Rochester DXing, because it is almost impossible to recover the same constant thrill that was present in Newfoundland.

"When I first walked into the DX room and plugged antennas into my radio, the DX was so overwhelming it was hard to know where to start! Should I just methodically work up the dial for an initial bandscan? Should I work the TA Beverage or the Brazil Beverage? Should I just follow the lead of others as they hunt for particularly enticing stations? In practice, I did all three! My logbook shows Brazilian logs next to Asian logs and back again to Brazil. A simple throw of the antenna switch would produce an entirely new band of unduplicated DX.

"Living in a city home, I have had no previous experience stretching out Beverages, so it was a privilege to see some experienced DXers do it right. Jean, Neil, and Bruce laid out the Cappahayden wires before I arrived, but the following day at Renew's I had the chance to work with the team in laying out two Africa Beverages through the bush, complete with the sound of gunshots in the near distance, and at least two moose carcasses along the Beverage lines! The Renew's operations were slightly disappointing, however, because we got "moosed" the first night, and then two nights later we discovered that hunters had damaged the wires. It wasn't too big a problem, because I later heard just about everything I heard at Renew's, at Cappahayden.

"I enjoyed being in the DX "moose-pen" at the Lawlor's with the others. You should have seen us all attacking a single tantalizing target with varied approaches. Some played with all of the receiver buttons to lift up the signal, some busily consulted various DX lists, others hunted WRTH medium and shortwave parallels. Some could pick out languages well, some could name songs, some stuck with the prime frequency waiting to summon others at ID time, while others roamed to still new targets in the meantime. DXing by committee is a very efficient process!

"Particular loggings that will long be remembered include India on 1566 kHz when Dave found a shortwave parallel just before sign-off; Paraguay on 920 kHz which I heard at 0900 UTC after everyone else had gone to bed; Kenya on 1044 and 1233 kHz which caused Dave to jump up and whoop like the home team had scored a come-from-behind touchdown; Uruguay on the North American graveyard frequency of 1400 kHz logged after a bunch of others from that country (when Jean recalled this one had been heard in Europe, we tuned in and there it was); hearing Brazil and Uruguay on 810 kHz with the same soccer game in different languages (with Colombia also on 810 kHz featuring its game with Paraguay!); the list could go on and on . . .

"Little did I know that my equipment situation would dramatically improve during the course of the week. Bruce installed the KIWA mods that I've carried around for two years to my Sony ICF-2010 on the second day for a vast improvement, and on the last day I became the proud owner of Mark's Drake R8.

"In the 29 years I have been DXing, I have met a handful of DXers. My weekend work schedule as a Presbyterian minister keeps me from attending most gatherings of DX clubs, so it was a real treat to meet Jean, Mark, Bruce, David, and Neil for the first time. Thanks, guys, for a memorable experience. And special thanks to Jean who did so much prep work in advance!"

Wow ! Jim finally got to hear the DX that he's been typing up from others for DX News over the years as the NRC magazine's international column editor. Regarding the recovery period after NF, I believe it's a common experience shared by all NF DXpedition participants, past and present. This was my second time, and it was still difficult for me to come down from such a DX high!

ODXA columnist Dave Clark arrived on Wednesday, adding yet another dimension to the pool of talent as the second Newfie freshman. When Dave heard something new and exotic, one could imagine the whole Avalon Peninsula being awakened by his uninhibited outbursts !

Dave Clark:

"I have DXed TP's from the West Coast on several occasions with John Bryant and others, so in some sense I knew what to expect. But this opportunity to DX TA's and the deeper South Americans from this outstanding East Coast site was still very much an eye-opener and a novelty for me. I must acknowledge that I am grateful that Jean didn't give up on me, having kept me on his invite list since these DXpeditions first began in 1991. I finally made it. Now I can hardly wait for a return engagement of Cappahayden capers !

"I was only able to be on-site from the early evening of October 11th (again thanks to Jean for picking me up at the airport) until the early morning of October 15th when I hitched a ride back to the airport with Bruce. Thus I conveniently circumvented any duties associated with rolling out or reeling in any of the Beverages at the two sites that were so important to our collective success. Next time !

"I came home reflecting not only on some of the marvelous DX I was able to record and get into my logbook, but also feeling like I'd only scratched the surface of what might be heard, given more time under a variety of propagation conditions and with better advance planning on my part. So much to hear ... so little time.

"I soon became immune to the higher power Europeans rolling up to local-like strength by 2 PM local time, even in mid-October, and it was on to more interesting DX signals. A few years ago from my inland Ontario location, I was lucky enough to log most of the low-power Radio For The Print-Handicapped stations from Australia before they moved from their clear channel out-of-band frequencies of 1620 and 1629 kHz. Yet I was absolutely startled to hear how any number of 250 watt Brazilians were fighting it out for dominance on many of the higher in-band graveyard channels. The manner in which the 500 watt BBC Ascension relay came rolling in on 1485 kHz was amazing too. An all-water path coupled with Beverages oriented in the right direction certainly works wonders.

"It seems only my abominable lack of proficiency in Portuguese limited the number of Brazilians I could put into the log, at least not without extensive further reviews of my tapes. Much the same could be said for my Spanish, considering the incredible number of deep South Americans from Uruguay and Argentina that were there for the picking. In spite of bothersome and uncharacteristically high static levels that we experienced on two of the nights I was present, the equinoctial season surely was an important contributing factor to the ideal trans-equatorial propagation that was evidenced every day. Only Chile, a much sought-after target for us all, was distinguished by its absence.

"Most of my DXing from home has, for some years, been focussed on the Tropical Bands, with Asians and Africans being favoured targets. And so, hearing All India Radio, at times with a steamroller signal on 1566 kHz, was a special treat, notwithstanding its high power transmitter; likewise for my singular catch from South Africa. The crowning touch for me, and I think for the others of our DXpedition team too, fittingly came on the final evening. East Africa constitutes a long and relatively difficult path, even

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on the Tropical Bands. Just imagine our collective reaction (manifest in the extreme by my own personal outburst of exuberance!), when Kenya Broadcasting Corporation opened up its General Service morning transmission with a good steady signal on 1386 kHz. This was an opening to be exploited to the fullest and within minutes, Jean and I set about looking for other parallel channels. The fact that several more KBC signals were poking through on other predominantly QRM'ed frequencies was the ultimate reward.

"The old adage which attributes the whole as greater than the sum of the parts certainly holds true in my mind. I think our collective achievement during Newfoundland DXpedition-IV is a tribute to the common sense of purpose, teamwork and good old-fashioned comradeship amongst a group of truly dedicated and experienced DXers. To Jean, our host, and to Mark, Bruce, Neil and Jim whom I met for the first time in person, I say thanks and let's do it again!"

Upon Mark Connelly's arrival, some of us noticed that the Drake receivers were given preferential treatment. The table that Jean and Stephanie purchased for the DXpedition had become the exclusive domain of the Drakes. Next time, guys, I'm bringing a Drake R8A to reserve my place at the table! Actually, it was all in good fun. Space was tight with the 6 DXers and equipment sharing the same room. But we all worked well together, regardless of the limited space and other adversities, as Mark attests in his summary.

Mark Connelly:

"I arrived in Newfoundland on Thursday, 12 October. Other DX team members Jean Burnell, David Clark, Bruce Conti, Neil Kazaross, and Jim Renfrew were already on the scene. Some had been at the Inn since Sunday the 8th. The Cappahayden site had been set up with the usual European, (east) Brazilian, and Deep South America Beverages. About 10 km / 6 miles north of the DX Inn, a site in Renewes (near the lighthouse) was used again. In 1991, that site provided superb African reception. The two main "guns" at Renewes were Beverages pointed towards northern Africa and towards southern Africa.

"On Thursday evening, I tuned the band on the car radio as I drove Route 10 along the rugged and beautiful coastline from St. John's to Cappahayden. Northern Europeans such as Norway-1314 and Sweden-1179 were strong at times, but they were sometimes covered by Spaniards running considerably less power. Early on, highband USA domestics such as WBBR-1130, WEZE-1260, WNRB-1510, and WQEW-1560 were very strong. It was evident that conditions were a good deal less auroral than during the total high-latitude blow-out of the November 1991 DXpedition. However, high-latitude stations had considerably less punch than in October 1993 when blockbuster signals from Finland-963, Faroes-531, and other far-north transmitters were abundant. The conditions, therefore, were intermediate between those of the two previous autumn DXpeditions. That was good news in a way: any northern countries lost to poorer propagation on these routes would be offset by better reception of African countries that were heard in 1991 but were absent in 1993.

"It was about 9 PM local (2330 UTC) when I arrived at the DX Inn. This was the first time I had ever met David Clark and Jim Renfrew. We, of course, knew of each other through our DX activities and frequent e-mail correspondence. It was great to meet Dave and Jim in person to share conversation and "communal" DXing at what is arguably the best DX QTH in North America.

"On this trip, all of us met at least one of other DXpeditioners for the very first time in person. The six of us took over all the rooms at the DX Inn. The room chosen as the "DX shack" got quite crowded with people and gear. Some DXers were there up to a week away from their families and

hometown friends. Some had worked very hard to put up Beverage antennas under challenging weather and terrain conditions. Occasionally, the sewer pipes didn't work. Moose collided with Beverages at least once. Hunters were prowling the woods, sometimes shooting "for the hell of it", it would seem. Good food and adequate sleep were in short supply. One would expect that some of these factors would cause arguments and dissension among the "troops". This was most definitely not the case. The six of us got along as well as if we had gone through college together and knew each other's families. When it was DX time, the group operated as a well-oiled machine. We all bounced suggestions of "hot" frequencies and ideas about unidentified stations off each other. Off hours (such as lunchtme at the local eatery in Fermeuse) were times of animated discussions of many topics, not always related to radio. The people I met came from different and interesting walks of life and they all had much to say. This was certainly not a gathering of single-minded, one-dimensional techno-nerds.

"Daytime was often "Tool Time" in Cappahayden as a gaggle of gadgets went through "battlefield testing". Gerry Thomas and Dallas Lankford may not have been with us, but their innovations of delay-line phasing and noise-reducing transformers helped our DX efforts in a big way. Bruce Conti did some very worthwhile experiments with the new Steve Byan remote Beverage-termination system. The system worked very well and Neil went home all fired up to set up such terminators on his Beverages in the suburbs of Chicago. Jean did some tests with his newly-acquired JPS ANC-4 and the results were promising. The unit reduced LORAN chatter and served to quiet the hash from local power lines.

"Each DXpedition has certain similarities, yet each is a unique experience. From "Newfie 4", I'll remember the local-like reception of India-1566 that we all enjoyed listening to for quite a while. The music was a great source of auditory pleasure. Every time I DX, I want to find something worth listening to for entertainment value. The Africans certainly did it for me in 1991, British locals were a highlight in 1993, and the awesome signal and programming from India-1566 did the trick for me in '95. This time around, I also got a charge out of Israel-1206 and South Africa-846; these were first discovered by the May 1995 crew (Bryant / Burnell / Funkenhauser / Hakiel). The in-your-face signal from Radio Tropical-1190 in Natal on Brazil's eastern tip seems like it will be a sure thing for me to get the next time a heavy aurora finds me on Cape Cod or Cape Ann. Ditto for that Brazilian split on 1435. The run of east Africans towards the end of the DXpedition will be indelibly etched in my memory. Newfoundland newcomers David Clark and Jim Renfrew went crazy like kids let loose in a candy store. Their skill and enthusiasm materially improved our country-count. One would think that the rest of us - veterans of previous efforts - would be jaded. This could not be further from the truth. We hummed some of the pest Spaniards, of course, but we still scanned each channel with a sense of wonder and fascination. Time and time again, the hard work done by the early-arrivers paid us all bountifully. The stations heard on the southern Beverages were so different from what was heard on the northeastern ("Euro") Beverages that you'd think you were listening to two different bands on two different nights from locations hundreds of miles apart. The directionality of these antennas was astounding. The 1 km Brazil Beverage gave receptions that one could convincingly claim to be made from a boat within view of the lights of Fortaleza. As in 1991, the number of strong 250-watt highband Brazilians was mind-boggling. Some DXers, such as Neil, sat on messy Brazilian graveyard frequencies and bagged multiple stations in succession on a single channel. I must admit that this is DXing above my level of endurance. Hour after hour of listening to low-fidelity reverberated Brazilian Portuguese shouting rising and falling through a swirling maelstrom of similar metallic-audio stations and a din of static crashes takes a level of skill, patience, and fortitude beyond what I have to offer the hobby. Luckily, although it's a dirty job, someone stepped

forward to do it. I concentrated more on TA's myself, always looking for new possibilities to hear back home. Previous trips had been very beneficial in putting the spotlight on stations that were subsequently hunted down successfully from sites along the Massachusetts coast. Off-frequency stations (non-9-kHz TA's and non-10-kHz Pan-Americans) are a big interest of mine and I took note of every one I could find. The old-plan channel Angolans that are marginally audible at home through a gauntlet of slop came through with crystal clarity on the big Beverages.

"The logs from this and previous Newfoundland DXpeditions are every bit as valuable a reference as the World Radio-TV Handbook when I go out on mini-DXpeditions to Rockport, Rowley, and Harwich.

"The waning hours of the DXpedition on Saturday night included popping open some Black Horse Ale to celebrate. A photo, audio interview, and video session added some levity and then it was right back to business with a wild ride through Kenya that might go down as the Big Event of the October 1995 trip. By Sunday morning (15th October), the show was over and Bruce, David, and I had to depart the DX Inn in the pre-dawn hours for the nearly 2-hour drive back to the St. John's airport. Jean, Neil, and Jim did the antenna dismantling as the rest of us jetted home. The DXpedition was a resounding success. The friendships renewed and begun will endure long after the log reports have been published, read, digested, and filed away in dusty archives. "Newfie 4" was a great experience. Other DXers, wherever they may live, should join up with some of their buddies to try similar activities. It will add an important social dimension to this often solitary hobby."

"Let's do it again!" has been the common call after every Newfoundland DXpedition. The alumni of this and past DXpeditions, along with more new faces, will undoubtedly join forces again in the future for totally new and exciting Newfie experiences. Upon departure, with the echoes of a thrilling week of DX fresh in our minds, we dreamed of someday purchasing the Lawlor's Hospitality Home and turning it into a permanent DXpedition site. May these accounts and the extensive loggings inspire others to do as Mark has suggested, and turn their dreams into reality through the culmination of more DXpeditions both here and abroad! 73 & good DX.

EQUIPMENT LIST

Receivers

- Jean Burnell: ICOM R-71A, Drake R8A.
- Dave Clark: Drake R7, Drake R8.
- Mark Connelly: Drake R8, Sony ICF-2010 w/ Gerry Thomas filter mod.
- Bruce Conti: Lowe HF-225 Europa.
- Neil Kazaross: ICOM IC-R70.
- Jim Renfrew: Sony ICF-2010 w/ KIWA filter mod, and later with Drake R8 purchased from Mark Connelly.

Cappahayden Antennas

- 1 km / 3280 ft Brazil Beverage (165 degrees)
- 600 m / 2000 ft "Track" (deep South America) Beverage (175 degrees)
- 549 m / 1800 ft European Beverage (45 degrees)
- 518 m / 1700 ft European Beverage (45 degrees)
- 300 m / 1000 ft Eastern Brazil Beverage (150 degrees), with Byan remotely-controlled termination

Renews Antennas

- 488 m / 1600 ft African Beverage (110 degrees)
- 450 m / 1500 ft South African Beverage (130 degrees)

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244 m / 800 ft European mini-Beverage (45 degrees)
60 m / 200 ft European longwire (65 degrees)

(Bearings are +/- 5 degrees)

Accessories

MWDX-5 phasing unit, DL-1 phasing unit, Mini-MWT-3 regenerative preselector, JPS ANC-4 noise canceller, Industrial Communication Engineers (ICE) Models 112-4 (courtesy John Bryant) and 112-4A active RF splitters, antenna switches, noise-reducing transformers.

Newfoundland DXpedition Loggings from Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, and Jim Renfrew.

Location: Cappahayden, except <R> = Renewals

Dates = 1995 / Times & dates = UTC

* TRANS-ATLANTIC DX *

- 153 ALGERIA, Bechar (1000 kW) - 14 OCT, 2031 - AA // 891.
- 162 FRANCE, France-Inter, Allouis (2000 kW) - 14 OCT, 2030 - FF // 1377.
- 171 unID - 15 OCT, 0410 - Soft music program, no announcements, faded to nothing, which makes me think Eastern Europe. (Nador, Morocco is usual 171 station heard in MA.)
- 183 GERMANY, Europe \$1 - 14 OCT, 2029 - in FF.
- 198 ENGLAND, BBC Radio 4, synchros (500/50 kW) - 14 OCT, 2027 - With BBC program.
- 207 MOROCCO, RTM "A", Azilal (800 kW) - 12 OCT, 2023 - AA // 594, 711, 819, 1053, 1080. <R>
- 216 FRANCE, R. Monte Carlo, Roumoules (1400 kW) - 12 OCT, 2021 - FF noted in passing. <R>
- 234 LUXEMBOURG, RTL, Junglinster (2000 kW) - 11 OCT, 0523 - Music trivia call-in show, RTL ID.
- 243 DENMARK, Danmarks Radio, Kalundborg (300 kW) - 13 OCT, 0540 - Classical music, not // 1062.
- 252 IRELAND, Atlantic 252, Clarkestown (500/100 kW) - 10 OCT, 0205 - "This is longwave Atlantic 252", pop music.
- 531 ALGERIA, Ain El Beida (600/300 kW) - 10 OCT, 0240 - AA program, // 549, 576.
 - + 13 OCT, 0158 - AA vocal & violin; o/ Spain's SS talk.
- 531 SPAIN, RNE5, synchros (20/10/5 kW) - 11 OCT, 0604 - SS // 1107.
 - + 13 OCT, 0420 - Good, RNE5 nostalgic music // 558, 567, 603, & 657, noted carrying Radio Uno (RNE1) news on all parallels at 0510.
 - + 13 OCT, 0640 - SS talk by man at good level. First thought that repetitive musical theme at 0713 recheck might have been Faroe Islands IS but nothing definitive from Mark's review of my tape. QRM from nearby utility (F9), too.
- 540 SPAIN, R. Euskadi, Vitoria - 11 OCT, 2236 - SS football discussion, // 756. SIO 333
- 549 ALGERIA, Les Trembles (600/300 kW) - 10 OCT, 0240 - AA program, // 531, 576.
 - + 13 OCT, 0205 - AA talk by woman, some slop from CFNB-550.
- 549 SAUDI ARABIA, Qurayyat - 9 OCT, 0315-0320 - in well (//1521, 1440, 900, others) w/ Koran recitation w/ many pauses.
- 558 SPAIN, Valencia et al. - 13 OCT, 0219 - man & woman in SS; poor.
- 567 IRELAND, Radio 1, Tullamore (500 kW) - 11 OCT, 0540 - Classical music format, // 729.
 - + 13 OCT, 0540 - classical music // 729; loud.

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- 567 SPAIN, RNE5 synchros (50/10/5 kW) - 13 OCT, 0405 - SS // 1305.
 + 13 OCT, 0419 - SS operatic vocal, // 603, 738.
- 576 ALGERIA, Bechar (400 kW) - 10 OCT, 0240 - AA program, // 531, 549.
- 576 SPAIN, Barcelona - 13 OCT, 0221 - woman in SS; fair o/ others.
- 576 SOUTH AFRICA (t), Metro R., Bloemendal - 9 OCT, 0030-0034, 0113-0123 -
 Very weak w/ light pop music -- the male announcer seemed to be
 speaking EE. Audible on the Brazilian Bev, whereas the European Bev
 was dominated by Spain; SIO 131.
- 585 SPAIN, RNE1, Madrid & other (500/10 kW) - 13 OCT, 0226 - SS, good
 + 13 OCT, 0416 - SS // 738, 855.
- 594 MOROCCO, RTM "A", Oujda (100 kW) - 12 OCT, 2023 - AA // 207, 711, 819,
 1053, 1080. <R>
- 594 PORTUGAL, R. Renascenca, Muge - 13 OCT, 0232 - PP religious music: o/
 faint 595 Dominica het.
- 594 SAUDI ARABIA, Duba - 9 OCT, 0315-0320 - // 1521 et al. w/ Koran.
- 603 SPAIN, RNE, Sevilla / Palencia - 10 OCT, 0119 - Excellent, RNE1,
 "Radio es..." jingle and Radio Nacional Espana ID, // 585.
 + 11 OCT, 2112 - Fair, "en Radio Cinco, todo noticias" and "Radio Cinco
 - Deportes". <R> RNE stations can switch between RNE1 and RNE5
 programming.
 + 13 OCT, 0243 - woman in SS; good.
- 603 MADEIRA, RDP Pico de Arieiro - 11 OCT, 2110 - Fair, futbol in PP //
 1125. <R>
- 603 FRANCE, R. Bleue, Lyon - 13 OCT, 0545 - Good, light FF vocals and
 instrumentals, Radio Bleue and Radio France ID, // 792, 837, 864,
 945, 1161, 1206, 1242, 1278, 1350, 1377, & 1404 all good in dawn
 enhancement.
- 612 IRELAND, RTE 2 FM, Athlone (100 kW) - 9 OCT, 0436 - Hurley scores and
 talk about the troubles of the Irish football team. SIO 343
 + 11 OCT, 0540 - Mike Oldfield music, ID, TC, // 1278 synchros.
 + 12 OCT, 0410 - Excellent, "Nationwide 2FM, Ireland's Number One",
 adult contemporary music.
 + 13 OCT, 0420 - rock music // 1278.
- 612 MOROCCO, Sebbaa-Aioune - 13 OCT, 0236 - AA vocal & violins, then AA talk
 by man; excellent.
 + 15 OCT, 0010 - Fair, telephone talk // 711.
- 612 BOSNIA-HERCEGOVINA, R. Bosnia-Hercegovina, Sarajevo (600 kW) -
 + 11 OCT, 0035 - Talk by man poking through Radio 2FM-Ireland
 sufficiently to confirm definite // with 7108 USB. Sat on this one
 for about 10 minutes with Jean.
 + 12 OCT, 0028-0035 - music and talk in presumed Bosnian, woman gave ID
 at 0030, // 7108 upper sideband. Beneath Ireland, SIO 222.
 + 15 OCT, 0055 - Readable for brief periods through very strong "Dublin
 Smash Hits", including time signal at 0100; same shortwave parallel.
 621 CANARY ISLANDS // SPAIN, RNE1 synchros (100/10 kW) - 10 OCT,
 0331 - SS // 684. (Most likely 100 kW Canary Islands outlet).
 + 13 OCT, 0246 - SS talk, then samba-like mellow vocal.
- 630 TUNISIA, Sfax (600 kW) - 10 OCT, 0335 - Koranic program (1566 outlet
 not heard at all this week!)
- 639 SPAIN, RNE1 synchros (300/50/10 kW) - 10 OCT, 0340 - // 684.
 + 13 OCT, 0248 - SS teletalk; fair to good w/ CBN nulled.
- 648 LIBYA, Tobruk (300 kW) - 10 OCT, 0139 - AA program, // to stronger
 1251.
 + 14 OCT, 0153 - // 711: AA talk & music; o/ Spain.
- 648 SAUDI ARABIA, Jeddah - 13 OCT, 0257 - Saudi interval signal (oud
 music) // 900, 1521; good.
- 648 ENGLAND, BBC WS, Orfordness - 10 OCT, 0200 - BBC WS news in EE. SIO
 222
- 657 ISRAEL, Kol Israel, Program B, Tel Aviv (200 kW) - 10 OCT, 0006 -weak
 but parallel to 1206 logging.

- + 10 OCT, 0127-0131 - Noted under Spain w/ Hebrew // 1206. SIO 322
- + 13 OCT, 2135 - Noted under Spain initially but clearly established // 1206 during clarinet instrumental at 2155 and for woman with news in Hebrew at 2200 when atop the channel for brief intervals. <R>
- 657 SPAIN, RNE5, Madrid (20 kW) - 10 OCT, 0345 - SS // 1107.
- + 13 OCT, 0308 - SS folkish vocal // 738, 774.
- 665 unID - 13 OCT, 0329 - het against Portugal-666.
- 666 PORTUGAL, RDP synchros (135/10/1 kW) - 9 OCT, 2143 - PP.
- 666 ALGERIA, Tindouf - 14 OCT, 0030 - AA Koranic vocal; o/ Portugal.
- 674 unID (MOROCCO or LIBYA ?) - 13 OCT, 2327 - het, probably same station noted by Ben Dangerfield in PA & Steve Whitt in Spain.
- 675 NETHERLANDS, R. Ten Gold, Lopik (132 kW) - 10 OCT, 0345 - Dutch.
- + 12 OCT, 0420 - Good, oldies music, telephone talk, jingle ID.
- + 13 OCT, 0314 - "One More Night" by Phil Collins; good, o/ others.
- 675 FRANCE, France-Inter, Marseille - 13 OCT, 0540 - Excellent, talk in FF // RFI-162 & St.Pierre-1375.
- 684 SPAIN, RNE1, Sevilla (600 kW) - 9 OCT, 2145 - SS // 729, 774.
- + 11 OCT, 2145 - Interview of author of new book about the French Revolution as the genesis of communism. SIO 422
- + 13 OCT, 0315 - woman doing SS teletalk show; huge signal.
- 684 SERBIA, R. Beograd, Beograd (2000 kW) - 11 OCT, 2142 - o/u Spain, Pink Panther theme, man spoke in what sounded like II, the oldie "Wonderful World" by Sam Cooke. SIO 422
- + 13 OCT, 0332 - Slavic language talk by man; way u/ Spain.
- + 15 OCT, 0000 - Pips, clear ID as RTV Serbia, Radio Beograd. Balkan string music led up to the hour. Spain faded just at the right time.
- 693 AZORES, RDP, Santa Barbara - 13 OCT, 1330 - PP talk through static crashes on DAYTIME GROUNDWAVE. <R>
- 693 ENGLAND, BBC Radio 5 synchros (150/25/10/1 kW) - 9 OCT, 2150 -Talk program in EE.
- + 10 OCT, 0255 - Excellent, "Up All Night" telephone talk about UFOs.
- + 13 OCT, 0320 - health talk; good, Azores PP station noted under.
- 711 FRANCE, R. Bleue, Rennes (100kW) - 11 OCT, 0627 - FF music program, // 792, 864, 945, 1206.
- 711 MOROCCO, RTM "A", Azilal (800 kW) - 12 OCT, 2023 - AA // 207, 594, 819, 1053, 1080. <R>
- 711 LIBYA, synchros (50 kW) - 13 OCT, 0335 - hollow, echoey AA vocal //1251
- + 14 OCT, 0024 - AA program // 1251.
- + 14 OCT, 0153 - // 648: AA talk & music.
- 729 SPAIN, RNE1 synchros (100/20/10 kW) - 9 OCT, 2145 - SS // 684, 774.
- + 13 OCT, 0347 - music, woman in SS // 738.
- 729 IRELAND, Radio 1, Cork (10 kW) - 11 OCT, 0540 - Classical music format, // 567.
- + 12 OCT, 2105 - Fair through Spain with accordion music, // 567.
- + 13 OCT, 0540 - classical music // 567; u/ Spain.
- + 14 OCT, 2021 - traditional Irish fiddles; good, then faded u/ Spain.
- 738 SPAIN, RNE1, Barcelona (600 kW) - 10 OCT, 0305 -Excellent, end of news right into music // 729.
- + 13 OCT, 0418 - SS // 567, 855.
- 747 NETHERLANDS, Radio 1, Flevoland (400 kW) - 10 OCT, 0405 - With nostalgia / oldies.
- + 13 OCT, 0351 - ragtime jazz; excellent.
- 747 SPAIN // CANARY ISLANDS, RNE5 Cadiz (10 kW) and Las Palmas (20 kW) - 13 OCT, 2121 - Two stations noted due to echo.
- 747 KENYA, KBC General Service, Nairobi (Ngong) (100 kW) - 15 OCT, 0232 - Vocal by man, very poor but I'm calling it a definite // 1386 & 4935, briefly poking through Euro QRM.
- + 15 OCT, 0238-0250 - tentative, only a couple of glimpses of music that was not either Canaries or Netherlands, possibly // 1386 ...

- SIO 221.
- 756 SPAIN, R. Euskadi, Bilbao - 10 OCT, 0405 - ID as Radio Euskadi and used slogan "Radio Informativa".
+ 13 OCT, 0416 - SS news; way o/ Germany.
- 756 GERMANY, Braunschweig/Ravensburg - 13 OCT, 0542 - GG talk; briefly atop Spain.
- 765 SWITZERLAND, R. Suisse Romande, Sottens (600 kW) - 10 OCT, 2200 -FF program, ID on hour.
+ 13 OCT, 0359 - light classical music; excellent.
+ 14 OCT, 2135 - Excellent, Radio Suisse Romande news in FF.
- 765 SAUDI ARABIA, Dammam - 9 OCT, 0315-0320 - // 1521, others w/ Koran.
- 774 SPAIN, RNE1 synchros (100/60/50/20/10 kW) - 9 OCT, 2145 - // 684, 729.
+ 13 OCT, 0400 - pips, news by woman in SS; o/ other.
- 774 unID African - 11 OCT, 2055 - something u/ Spain, maybe just Morocco.
<R>
- 783 SYRIA Tartus (600 kW) - 10 OCT, 0310 - With Middle Eastern music, // 828
+ 10 OCT, 2201 - AA announcer mentions "Dimashq" several times.
- 783 PORTUGAL, R.Comercial synchros - 10 OCT, 0140 - Good, ID as "Comercial Onda Media" and Portalegre mention.
+ 13 OCT, 0423 - PP talk, disco; good.
- 783 GERMANY, MDR-Info, Leipzig - 12 OCT, 0044 - GG talk, weather for Germany, at 0045 TC "M-D-R-Info" ID, news. Initially SIO 433, but buried by Portugal at 0048.
- 792 SPAIN, SER, Sevilla (20 kW) - 10 OCT, 2201 - SS // 810, 873, 990.
+ 13 OCT, 0425 - fast SS talk / teletalk; o/ others.
- 792 FRANCE, R. Bleue, Limoges (300kW) - 11 OCT, 0627 - FF music program, // 711, 864, 945, 1206.
- 801 SPAIN, RNE1 synchros (20/10 kW) - 13 OCT, 0415 - SS talk, SS vocal // 738, 855.
- 801 ENGLAND, Barnstaple - 13 OCT, 0543 - EE talk u/ Spain.
- 810 MACEDONIA, Makedonska RTV, Skopje - 9 OCT, 0420-0433 - Woman in Macedonian, choral music at 0423, local instrumental music at 0426, short news at 0430. In a mess w/ Scotland and Spain, SIO 322-1
- 810 SPAIN, SER, Madrid (20 kW) - 10 OCT, 0453 - SS // 873.
- 810 SCOTLAND, BBC R. Scotland, synchros (100/5 kW) - 9 OCT, 0420 - BBC WS newsmagazine pgm. SIO 322
+ 10 OCT, 0558 - Good, "Radio Scotland National Travel" traffic report, weather, 7 o'clock TC, and news headlines.
+ 12 OCT, 0615 - Fairly good over presumed Spain with interview.
+ 13 OCT, 0427 - BBC news atop Spain & CJVA.
- 819 MOROCCO, RTM "A", Rabat (25 kW) - 11 OCT, 1948 - Fair, telephone talk fading up over Egypt, // 207. <R>
+ 12 OCT, 2023 - AA // 207, 594, 819, 1053, 1080. <R>
- 819 unID's (EGYPT/MOROCCO ?) - 13 OCT, 0430 - AA vocal & talk o/u recent dance-reggae hit "Shy Guy", FF talk.
+ 13 OCT, 0543 - AA music; good.
- 819 EGYPT, Batra/Cairo - 11 OCT, 1942 - Good, Middle Eastern music // 12050. <R>
- 828 SPAIN, SER, Barcelona (50 kW) - 9 OCT, 2202 - SS // 873.
- 828 SYRIA - 10 OCT, 0310 - With Middle Eastern music, // 783.
- 828 PORTUGAL, R. Comercial, synchros (1 kW) - 12 OCT, 2031 - ID as "Comercial Onda Media", // 1170. <R>
+ 13 OCT, 0431 - PP news by woman; o/ unID classical music.
- 836 AZORES, RDP, Barossa - 13 OCT, 0438 - PP talk. This one has once again split off from 837.
+ 14 OCT, 1956 - PP talk, low audio level on big carrier; stronger than 837.
- 837 AZORES, RDP, Barossa - 12 OCT, 0208 - This station is unusually weak - only snatches of PP audio through the QRM (was also noted on 836

- 12
- during DXpedition).
- 837 SPAIN (// CANARY ISLANDS), COPE, synchros (10/2/1 kW) - 10 OCT, 0505 - SS // 999, 1134, 1143, 1215, 1296.
- 837 ENGLAND, unID BBC stn (maybe listed Local Radio, Barrow-In-Furness, 1.5 kW) - 12 OCT, 0205 - Interview concerning ANC elections in South Africa, // 198. Mixing with but briefly good when atop Canary Islands and/or Spain COPE synchros. Faded away, SIO 232
- 846 ITALY, R. Due, Roma (540 kW) - 10 OCT, 2230 - Alternative/hard rock, // 900, 936, 999, 1035, 1116.
- + 12 OCT, 2159-2202 - II ID's, organ music after 2200. Over an unID station in definite FF (who?), SIO 322 <R>
- + 13 OCT, 0442 - international program including SS talk; o/ others.
- + 13 OCT, 0456 - II talk, "RAI" (pronounced 'rye') mention, // 900; good. 846 SOUTH AFRICA, R. Xhosa, Komga (100 kW) - 13 OCT, 2048 -Mention of "Xhosa" several times, timecheck, DJ talk with listener on phone, pips at 2100.
- + 13 OCT, 2053-2102 - Man in African- accented EE, pop song, then trumpet jazz w/ pips during the music at 2100. SIO 243.
- + 14 OCT, 2133 - African-language teletalk; fair o/ Italy on Brazil-Beverage.
- + 14 OCT, 2126 - Modern rap vocal, possible ID at 2130 followed by woman DJ hosting phone-ins (perhaps requests) and playing variety of rock songs. Organ music at 2200 during Italy's top of hour time pips. Woman again with rock until talk by man in local language at 2210. Good at times over Italy during peaks, but with lengthy intervening fades.
- 846 unID - 12 OCT, 2135 - Station in FF under Italy. <R>
- 855 SPAIN, RNE1, synchros (300/20/10/5 kW) - 9 OCT, 2201 - SS // 774.
- + 13 OCT, 0443 - energetic SS folk vocal; o/ others.
- 855 ROMANIA, R. Romana, Bucuresti - 12 OCT, 0159-0201 - IS noted under Spain, man w/ ID at 0200 then news. SIO 422
- 864 EGYPT, Holy Koran Program, Santah (500 kW) - 10 OCT, 0038 -Koranic recitation.
- 864 SPAIN, RNE1 Socuellamos (2 kW) - 10 OCT, 2240 - SS // 855.
- + 13 OCT, 0445 - upbeat SS female vocal // 855.
- 864 FRANCE, R. Bleue, Paris (300kW) - 11 OCT, 0627 - FF music program, // 711, 792, 945, 1206.
- + 14 OCT, 0625 - old-fashioned FF romantic vocal // 945.
- 872 MOZAMBIQUE, Beira - 10 OCT, 2123 - still on old plan channel w/ African music and PP announcer. <R>
- 873 SPAIN, SER, Zaragoza (20 kW) - 9 OCT, 2202 - SS // 828.
- + 13 OCT, 0447 - SS teletalk; good.
- + 14 OCT, 0626 - SS talk.
- 882 ENGLAND, BBC Wales / R. 4, Washford et al. (100/10/5/1 kW) - 11 OCT, 0553 - Program about Japanese financial connections to Wales.
- + 13 OCT, 0449 - BBC news; excellent.
- + 13 OCT, 0510 - Good, "This is Radio 4" and Farming Today program.
- + 14 OCT, 2059 - program of C&W music, American-accented woman introduced tune by Vince Gill and Dolly Parton. Over station in unID language, perhaps Titograd ... SIO 322.
- 882 CANARY ISLANDS, La Laguna - 14 OCT, 0626 - man in SS; o/ BBC.
- 891 ALGERIA, Algiers (600/300 kW) - 10 OCT, 0300 - Woman with news in AA, // 981.
- + 13 OCT, 0451 - female AA vocal; o/ possible PP talk.
- 900 SAUDI ARABIA, Qurayyat (1000 kW) - 10 OCT, 2205 - AA // 1440, 1521.
- + 13 OCT, 0258 - Saudi interval signal (oud music) // 648, 1521; just o/ CKDH and others (Italy/Brazil ?) in jumble.
- + 13 OCT, 2159 - AA talk by man o/u C&W from CKDH. <R>
- 900 ITALY, R. Due, Milano (600 kW) - 10 OCT, 2230 - Alternative/hard rock, // 846, 936, 999, 1035, 1116.

- + 13 OCT, 0456 - II talk, "RAI" mention, // 846; good.
- 907.9 unID African (probably GAMBIA) - 11 OCT, 2130-2200+ - to fair peaks, but often inaudible - US music and man in unID African language. <R>
- + 13 OCT, 2158 - het against UK. <R>
- 909 ENGLAND, BBC Radio 5, Brookmans Park / others (150/50/1/.25 kW) -10 OCT, 2243 - news about political parties.
- + 13 OCT, 0452 - BBC news, NOT // 882.
- + 13 OCT, 2158 - talk about festival in Birmingham; excellent. <R>
- 909 MOROCCO, Casablanca-Safi (5 kW) - 10 OCT, 2125 - Fair to poor, African-style AA music // 1044. <R>
- + 14 OCT, 2102 - // 1044, 1404 w/ pop AA vocals; good, o/ BBC. Solves mystery of AA often heard on this channel from MA beach sites.
- 918 SPAIN, R. Intercontinental, Madrid (20 kW) - 12 OCT, 2051 -Mentions of Toledo and Madrid, ID. <R>
- + 13 OCT, 2155 - man & woman in SS, 4 note chime, ID "Aqui Radio Intercontinental"; atop Slovenia. <R>
- 918 SLOVENIA, R. Slovenija, Ljubljana (600 kW) - 13 OCT, 2207-2222 -Man in Slovenian w/ political polemic; from 2212:30, a program of light music hosted by a woman. SIO 343.
- 927 BELGIUM, Wolvertem - 13 OCT, 0507 - oldies ("You've Lost That Lovin' Feeling" - Righteous Bros.: 1964); then Dutch talk.
- 936 ITALY, R. Due, synchronos (20/10 kW) - 10 OCT, 2230 -Alternative/hard rock, // 846, 900, 999, 1035, 1116.
- 936 SPAIN - 13 OCT, 2154 - SS talk o/ others; poor in CJYQ-930 slop. <R>
- 944 ANGOLA, Cazenga - 13 OCT, 2033 - music, then PP announcer. This is NOT // 1367.
- 945 FRANCE, R. France I., Toulouse (300 kW) - 9 OCT, 2213-2218 - SS newmagazine pgm, "Radio Francia Internacional" ID at 2216. SIO 444
- + 10 OCT, 2249 - Program in SS.
- + R. Bleue - 11 OCT, 0627 - FF music program, // 711, 792, 864, 1206.
- + 14 OCT, 0625 - old-fashioned FF romantic vocal // 864.
- 945 ENGLAND, GEM AM, Derby (.2 kW) - 13 OCT, 0503 - ID as "945-999 GEM AM".
- + 13 OCT, 0514 - British EE talk, comedy bits.
- 954 SPAIN, R. Espana, Madrid (20 kW) - 13 OCT, 0516 - man & woman in SS; excellent o/ others.
- + 13 OCT, 2153 - SS talk mentioning Barcelona, Catalunya; excellent. <R>
- + 14 OCT, 0000 - Two male announcers making fun of RNE announcers, then they chatted about American influence on SS culture. SIO 433.
- + 14 OCT, 2019 - Heard many times, this time noted with ID.
- 954 ENGLAND, unID station - 14 OCT, 0000 - Brit-accented woman under R. Espana, pop music at 0002. SIO 221.
- 954 QATAR (t), QBS, Al Arish (Doha) (1500 kW) - 14 OCT, 0315 - AA vocal, then lively AA music before fading under Spain approaching 0330. Not heard on prospective // 25/31mb frequencies but we didn't know about new 7210.1 which had gone into use from *0300 and in period to 2125*. Same day at 2010 with AA talk, again mixing with Spain.
- + 14 OCT, 0320-0331 - AA vocal music over/under Spain, woman announcer in AA briefly at 0322:30, western music w/ clarinet at 0330:30. SIO 333-1. SW parallels not found.
- + 14 OCT, 2010 - Poor to fair, AA vocals and string music mostly under Spain.
- 954 CZECH REPUBLIC, Czech Radio, Praha / others (200/30/20 kW) -10/14/15 OCT, 0256 - Heard with Interval Signal, anthem through interference.
- 954 TURKEY, TRT Trabzon (300 kW) - 14 OCT, 0332 -Turkish // 1017, 1062. Noted while digging for Qatar.
- 954 KENYA (t), KBC General Service, Kisumu (100 kW) - 15 OCT, 0236 - Seemed very briefly // 4935 at this time as Neil and I thought, but difficult to be sure through severe Spain QRM, as all Kenyan channels

were best on Euro (not Brazil) Beverage.

- 963 PORTUGAL / TUNISIA - 13 OCT, 0520 - PP talk, o/ AA music & talk.
- 963 PORTUGAL / unID - 13 OCT, 2152 - PP talk o/u rap & rock music (maybe UK). <R>
- 963 PORTUGAL, R.Renascenca, Seixal (10 kW) - 10 OCT, 2200 - Good, Radio Renascenca Nacional ID, news headlines, urban/dance music. The loudest signal on this messy frequency, SIO 322 <R>
- 963 ENGLAND, Viva R., London - 10 OCT, 2200 - In a mess of signals IDing at the top of hour, woman's voice: "Viva 9-6-3 AM, news (1-2 words) on the hour, every hour ! The 11 o'clock news with Joanne ____". SIO 222
 - + likely Viva R, London - 11 OCT, 2148 - fade up w/ woman conducting interview, but faded down again shortly afterwards. Peaks at SIO 333 972 BOTSWANA, R. Botswana, Gabarone (50 kW) -13 OCT, 2035-2045 - urban dance music, male announcer in African language, Boyz II Men song, // 4830. Over the Spaniard on the Brazilian Beverage, SIO 333.
 - + 14 OCT, 2040 - Afro music and vocals and seemed religious choral at 2059. Rock music at 2150 recheck, religious message by man before anthem at 2159. Fair, at times over Spain. Big open carriers but no audio on 3356 & 4830.
- 972 GERMANY / SPAIN - 13 OCT, 0525 - GG talk o/u SS talk.
- 972 SPAIN, RNE1 synchros - 13 OCT, 2150 - bits of SS in jumble. <R>
- 972 UKRAINE, Ukrainian R. 2, Kopani (?) - 14 OCT, 2033 - "Take Five" by Dave Brubeck, // 1242, 1404; poor, u/ Spain.
- 981 ALGERIA, Algiers (600/300 kW) - 10 OCT, 0300 - Woman with news in AA, // 891.
 - + 13 OCT, 0530 - pop-type AA music, then woman in AA; loud.
 - + 13 OCT, 2150 - AA discussion, way o/ Portugal's fast PP sportstalk. <R>
 - + 14 OCT, 0506 - Koranic AA vocal; local-like, way o/ Portugal.
- 990 SPAIN, SER, R. Bilbao (10 kW) - 9 OCT, 2219 - SS // 1026, 1044, 1080, 1116.
 - + 13 OCT, 0531 - fast, echoey SER SS newstalk.
 - + 14 OCT, 0405 - fast SS news // 1026; good w/ CBY phased.
- 990 GERMANY, DR Berlin - 11 OCT, 0215 - Excellent, classical and jazz instrumentals.
- 999 SPAIN, COPE, Madrid (50 kW) - 10 OCT, 0505 - SS // 837, 1134, 1143, 1215, 1296.
 - + 13 OCT, 0532 - R. Espana ID.
 - + 13 OCT, 2146 - SS talk o/ SAH; some CKBW slop. <R>
- 999 ITALY, R. Due, synchros (20/10/6/2 kW) - 10 OCT, 2230 -Alternative/ hard rock, // 846, 900, 936, 1035, 1116.
- 999 MOLDOVA (t), RN, Grigoriopol (1000 kW) - 15 OCT, 0403 - Slavic language, faded.
- 1008 CANARY ISLANDS, R. Las Palmas (10 kW) - 11 OCT, 0300 - Excellent, "La Voz de las Estrellas, Radio Voz" program, Radio Las Palmas ID, local programming not parallel RNE.
 - + 13 OCT, 0400 - SER program with local R. Las Palmas ID inserted on the hour.
- 1008 CANARY ISLANDS // SPAIN, SER synchros, (10/5/3 kW) - 12 OCT, 1923 - "SER esportivos" program // 990, 1026, 1080, 1116, 1179, 1260, 1287. <R>
 - + 13 OCT, 2144 - SS speech; o/ others. <R>
- 1008 NETHERLANDS, Flevoland (400 kW) - 13 OCT, 0546 - Dutch talk o/u SS stations.
- 1017 GERMANY, Rheinsender - 13 OCT, 0548 - GG talk, then '80s synth-pop hit "More Than This"; atop Spain.
- 1017 SPAIN, RNE5 synchros (10/5 kW) - 9 OCT, 2316 - SS // 1098, 1107, 1125, 1152, 1305.
 - + 13 OCT, 2143 - dominant w/ SS talk. <R>

- 1017 TURKEY, TRT Mundanya-Istanbul (1200 kW) - 14 OCT, 0332 - Turkish talk, vocal // 954, 1062; o/ Spain / Germany.
- 1026 IRAN, IRIB, Tabris/Chalus (100/20 kW) - 10 OCT, 0230 - Fair, tick-tock of clock (like the uID clock heard earlier on 1566), then chants, // 6175.
+ 10 OCT, 0239 - Man speaking, // 6175.
- 1026 SPAIN, SER synchros (10/5/3/2 kW) - 9 OCT, 2219 - SS // 990, 1044, 1080, 1116.
+ 13 OCT, 0551 - SS newstalk; o/ mess.
+ 13 OCT, 2143 - SS news; good, o/ low growl. <R>
+ 14 OCT, 0405 - fast SER SS news // 990.
- 1035 SCOTLAND, West Sound Radio, Ayr - 13 OCT, 0705 - Fair, end of news, weather, West Sound Radio ID and song by the Spinners, ads and jingle ID at 0708.
- 1035 SCOTLAND, North Sound R., Aberdeen - 13 OCT, 0603 - EE talk, Aberdeen mentions; o/ British C&W station.
- 1035 ENGLAND, Country 1035 - 9 OCT, 2249 - C&W music, ID, selection by k. d. lang.
- 1035 ITALY, RAI R. Due synchros - 12 OCT, 2104-2107 - Two men host pgm of II pops, announcer very friendly to young woman interviewee. Interesting het from a weak carrier on 1034.5 kHz, SIO 344 <R>
- 1044 MOROCCO, R. Medi Un, Sebaa-Aioun (300 kW) - 9 OCT, 2255 - AA and FF music.
+ 13 OCT, 2140 - energetic AA music; o/ Spain. <R>
+ 13 OCT, 2321 - blues-influenced song w/ AA-style instruments and shrill female vocal.
+ 14 OCT, 2023 - // 1492.7 w/ rustic AA music; strong.
- 1044 SPAIN, SER, San Sebastian et al. (10 kW) - 9 OCT, 2219 - SS // 990, 1026, 1080, 1116.
+ 13 OCT, 0554 - news in SS by woman, mentioned USA, Bosnia.
+ 13 OCT, 2140 - SS teletalk u/ Morocco. <R>
- 1044 KENYA, KBC General Service, Malindi (100 kW) - 15 OCT, 0213-0222 - Mariah Carey song, EE talk, TC, more pop music, // 1233, 1386, 4935. Far under Spain, SIO 222-1.
+ 15 OCT, 0210+ - The first definite // 1386 found, as 0210-0215 with pop vocal by woman, brief announcement by man, then woman vocalist's version of 'When A Man Loves A Woman'. Sometimes fair and still detectable as // 1386 and 4935 at 0257 recheck.
- 1053 ENGLAND, TalkRadio UK, Droitwich et al. (150 kW) - 9 OCT, 2256 -EE call-in show, // 1089.
+ 13 OCT, 0605 - silly EE talk about Friday the 13th superstitions, 5 past 7 TC; excellent.
+ 13 OCT, 2140 - TalkRadio discussion o/ SS station. <R>
- 1053 MOROCCO, RTM "A", Tanger (600 kW) - 12 OCT, 2023 - AA // 207, 594, 711, 819, 1080. <R>
- 1062 DENMARK, Danmarks R., Kalundborg (250 kW) - 11 OCT, 0530 - Danish program, mention of "Danmark", and "Dansk Institutsk".
+ 11 OCT, 0420 - Excellent, variety of music including rock, country, and soca, ID in Danish.
+ 13 OCT, 0606 - man in Danish; way atop probable Italy.
+ 13 OCT, 2136 - Edie Brickell version of Dylan's "A Hard Rain's a Gonna Fall", then Danish talk. <R>
- 1062 ITALY, Cagliari / Squinzano - 13 OCT, 2135 - II talk; briefly audible through stronger Denmark. <R>
- 1062 TURKEY, TRT-1, Diyarbakir (300 kW) - 10 OCT, 0321-0331 - Turkish songs, male announcer w/ few words between selections. SIO 444. This was up to huge signal levels on sunrise enhancement at transmitter; it then faded quickly.
+ 14 OCT, 0332 - Turkish // 954, 1017.
+ 14 OCT, 0344 - // 1017 w/ Turkish vocal; good, alone on channel.

- 1071 SPAIN / FRANCE - 13 OCT, 0608 - fast SS talk atop France's FF.
 1071 SPAIN, R. Euskadi Irratia, Bilbao - 10 OCT, 0005 - Heard with clear ID.
 1071 ENGLAND, TalkRadio UK, low powered synchros - 10 OCT, 2312-2322 - Glimpses of EE talk, finally established // 1089 at 2322. SIO 221
 1071 FRANCE, France-Inter, synchros (40/20/10kW) - 11 OCT, 2100 - FF // 1161, 1350.
 1080 SPAIN, SER synchros (5/3/2 kW) - 9 OCT, 2219 - SS // 990, 1026, 1044, 1116.
 + 13 OCT, 0608 - SS talk, bad growl.
 + 13 OCT, 2133 - SS vocal; good, o/ growl. <R>
 1080 MOROCCO, RTM "A", Casablanca (1 kW) - 12 OCT, 2023 - AA // 207, 594, 711, 819, 1053. <R>
 1088 ANGOLA, Radio Nacional, Mulenvos (100/25 kW) - 13 OCT, 2055 - Afro chants with drums, not // 1367. Fair signal. <R>
 1089 ALBANIA, Durres - 14 OCT, 2100 - Fair, light music and talk in Albanian // 7105, mostly under TalkRadio UK.
 + 13 OCT, 2132 - likely this w/ Middle Eastern sounding male vocal o/u UK. <R>
 1089 ENGLAND, TalkRadio UK, Moorside Edge et al. (150 kW) - 9 OCT, 2256 - EE call-in show, // 1053.
 + 13 OCT, 0608 - EE talk about Friday the 13th, // 1053; excellent.
 + 13 OCT, 2132 - more Friday the 13th talk; o/ probable Albania. <R>
 1098 CANARY ISLANDS // SPAIN, RNE5 synchros (10/5 kW) - 9 OCT, 2316 -SS // 1017, 1107, 1125, 1152, 1305.
 + 13 OCT, 0610 - man in SS; loud.
 + 13 OCT, 2131 - SS news // 1107; o/ Slovakia. <R>
 1098 SLOVAKIA, Slovak Radio, Nitra (750 kW) - 11 OCT, 0044 - Rockabilly music, mentions of Slovakia.
 + 13 OCT, 2131 - Slavic talk by woman; under Canaries-Spain. <R>
 1107 EGYPT, Batrah - 13 OCT, 2131 - AA music, faded o/ Spain. <R>
 1107 SPAIN, RNE5 synchros (25/10/5 kW) - 9 OCT, 2316 - SS // 1098, 1107, 1125, 1152, 1305.
 + 13 OCT, 0612 - SS o/ unID British rocker.
 + 13 OCT, 2131 - SS mixed w/ Egypt. <R>
 1114.87 ANGOLA, EP do Kuanza-Sul (10 kW) - 11 OCT, 2101 - Fair, Nacional Angola news, Afro-pop music, strong het from Spain-1116. <R>
 + 12 OCT, 2100 - Man with possible news in PP at fair level but not // very strong 1367.
 + 13 OCT, 2102 - man with echo and voice-over announcements. Strong signal. <R>
 + 14 OCT, 2033 - Highlife music after man announcer citing Angola. Good.
 1116 SPAIN, SER / ENGLAND - 13 OCT, 0613 - SS talk atop British station that had EE talk; poor.
 1116 SPAIN, SER synchros (10 kW) - 9 OCT, 2219 - // 990, 1026, 1044, 1080.
 + 13 OCT, 2130 - SS news mentioning eastern European countries, weird pips on the half hour; good o/ rumble. <R>
 1116 ITALY, R. Due, synchros (150/60/25/20/10/2 kW) - 10 OCT, 2230 - Alternative/hard rock, // 846, 900, 936, 999, 1035.
 1116 CHANNEL ISLANDS (t), BBC Radio 5, Guernsey (0.5 kW) - 14 OCT, 0237 - News // 909 Radio 5. Other UK outlet on 1116 is supposed to be Radio 2, but I couldn't find a Radio 2 parallel.
 1121 IRAN (t) - 14 OCT, 2053 - bits of audio, mostly just a het. Also there was a drifty carrier from 1122.5 to 1123.5.
 1125 SPAIN, RNE5 / ENGLAND - 13 OCT, 0614 - SS talk o/u EE talk.
 1125 SPAIN, RNE5 synchros (10/5 kW) - 9 OCT, 2316 - SS // 1017, 1098, 1107, 1152, 1305.
 + 13 OCT, 2129 - SS festive music, SS talk // 1152; good, o/ others. <R>

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- 1125 CROATIA, Deanovec - 13 OCT, 2309 - Slavic talk // 1134; buried by Spain.
- 1125 MADEIRA, RDP, Ponta do Pargo - 9 OCT, 0056 - Light music, // 666. Almost alone on the Brazilian Bev, under Spain on the European Bev. SIO 343
- 1125 unID jammer - 14 OCT, 2104.
- 1134 CROATIA, Hrvatska Radio, Zadar (1200/600 kW) - 10 OCT, 0200 - Excellent, light music, "Hrvatska Radio Televizija" ID, not // 7370 or other SW outlets.
- + 11 OCT, 0200 - ID as Hrvatska Radio-Televizija with pips.
 - + 13 OCT, 2128 - Slavic-talk news popped up o/ Spain. <R>
 - + 13 OCT, 2304 - "Hrvatski" mention in news by man & woman; monster signal.
- 1134 SPAIN, COPE synchros (2/1 kW) - 9 OCT, 2325 - SS // 1125.
- + 13 OCT, 0615 - SS talk; o/ others.
 - + 13 OCT, 2127 - SS talk // 1143; o/ Croatia. <R>
- 1143 SPAIN, COPE synchros (2 kW) - 9 OCT, 2325 - SS // 1134.
- + 13 OCT, 0617 - echoey Spaniards w/ SS talk; atop apparent British locals.
 - + 13 OCT, 2127 - // 1134 w/ man & woman in SS; good. <R>
- 1143 unID (KALININGRAD or BULGARIA) - 13 OCT, 2303 - Slavic talk mixed w/ Spain & possible UK.
- 1152 SPAIN, RNE5 synchros (25/10 kW) - 9 OCT, 2316 - SS // 1017, 1098, 1107, 1125, 1305.
- + 13 OCT, 2000 - ID. Strong signal, even on African Beverage while looking for Cameroon which might have been the unID much weaker signal. <R>
 - + 13 OCT, 2129 - SS festive music // 1125; fair. <R>
- 1152 CAMEROON, CRTV, Bamenda - 11 OCT, 2106 - accented FF talk; o/u Spain. <R>
- + 12 OCT, 2027 & 2037 - Initially revealed by phasing out Spain, very weak African accented FF. At 2037 in EE w/ news items, under Spain. SIO 222 <R>
- 1161 FRANCE, France-Inter, synchros (200/100/10kW) - 11 OCT, 2100 - FF // 1071, 1350.
- + 13 OCT, 2126 - man in FF; fair o/ unID jazz (Spain?). <R>
- 1170 NIGERIA, Ogun State BC, Abeokuta (40 kW) - 11 OCT, 2034 - Fair, "You're listening to the national news, coming to you from OGBC-One Abeokuta". <R>
- + 12 OCT, 2031-2035 - Amazingly now dominant whereas had been absent 10 min. earlier. Woman in EE w/ news about the 600,000 metric tonnes of cement in Abeokuta and an enthralling address by the Minister of Agriculture. Swamped again by Portugal at 2035. Drums at 2046. SIO 333 <R>
 - + 13 OCT, 2040 - Man ending news, then repeat of main points to 2042 "and that's the news". Drums and into Afro vocal. Very good signal dominating the channel; killer level blanking others at 2121 recheck. <R>
- 1170 PORTUGAL, R. Comercial, Vila Real (10 kW) - 12 OCT, 2018 - Talk about Formula 1 race, then PP music. No sign of Nigeria at this time, SIO 344 <R>
- + 12 OCT, 2031 - Mostly noted as a pest while logging Nigeria! ID as "Comercial Onda Media", // 828. <R>
 - + 13 OCT, 2123 - PP teletalk; mixed w/ UK & others. <R>
- 1170 ENGLAND, probably Swansea - 13 OCT, 2124 - EE talk, daft comedy bits, advert mentioning Cardiff, then wimpy Carpenters version of "Please Mr. Postman"; o/ Portugal / domestic (WKPE?). <R>
- 1179 SWEDEN, Radio Sweden, Solvesborg (600 kW) - 10 OCT, 2209 - Woman in Swedish w/ news. Over Spain, SIO 333
- + 11 OCT, 2229 - Heard in passing with ID.

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- + 13 OCT, 0429 - interval signal, then Swedish talk.
- + 13 OCT, 0635 - Good, talk in Swedish // 6065.
- 1179 SPAIN // CANARY ISLANDS, SER synchros (10/5/2 kW) - 12 OCT, 1923 - "SER esportivos" program // 990, 1008, 1026, 1080, 1116, 1260, 1287.
- + 13 OCT, 0547 - SS talk mixing with Sweden.
- + 13 OCT, 2123 - SS talk; o/ music station that was likely Sweden. <R>
- 1188 HUNGARY, Petofi Radio, Szombathely & one other (135/25 kW) -11 OCT, 2210 - Heard "Petofi" ID, // 1251.
- + 13 OCT, 2107 - // 1251 w/ Hungarian talk by man & woman; excellent. <R>
- + 14 OCT, 2059 - Mariah Carey's "Sweet Fantasy" // 1251.
- 1188 GERMANY, MDR-Info, Reichenbach - 10 OCT, 0340 - GG news, "M.D.R.-Info" ID at 0341 just before the signal was swallowed by QRM. SIO 232
- 1188 BELGIUM, Belgische R., Kuurne - 14 OCT, 0259 - pop music, pips and news in Flemish at 0300, music again from 0301:45. SIO 243.
- 1197 LESOTHO, BBC Lancer's Gap - 11 OCT, 2040 - Fair, BBC World Service News Hour // 3255. <R>
- + 12 OCT, 2218 - // 6195 with BBC news, pips noted at 2230. <R>
- 1197 ENGLAND, Virgin Radio synchros (1/0.5/0.2 kW) - 11 OCT, 0143 -Music, // 1215.
- + 12 OCT, 2016 - Man with "Virgin" ID at 2016, then chatter by woman and pop song. Fair-good, // 1215 strong.
- + 13 OCT, 0415 - Fair peaks with station promo, mailing address and fax number.
- + 13 OCT, 2122 - // 1215, 1233 w/ Fleetwood Mac oldie; good. <R>
- 1206 FRANCE, R. Bleu, Bordeaux (100 kW) - 11 OCT, 0627 - FF music program, // 711, 792, 864, 945.
- + 14 OCT, 2200 - Fair, light music, "Ici Radio Bleu" jingle.
- 1206 POLAND, Polskie Radio synchros - 14 OCT, 2210 - Fair, Polish talk with Polskie mentions, over/under R.Bleu-France.
- 1206 IRAN, Tabriz - 10 OCT, 0240 - // 6175 w/ mid-east music, atop Spain.
- 1206 ISRAEL, Kol Israel, Program B, Haifa (50 kW) - 10 OCT, 0122-0131 - Call-in program and music, Hebrew language, "shalom" mentioned in one of the calls. All alone and very strong; // 657. SIO 333.
- + 13 OCT, 2135 - easy-listening music and vocals at fair level and all alone on frequency with Afro Beverage. Rising to very good level by 2200 for time pips and woman with news in Hebrew to 2205, short announcement by man, then back to music pgm; // 657 on top of the jumble at times. Format sounded just as I remembered it when heard locally while visiting Israel in Sept. <R>
- + 13 OCT, 2204 - Hebrew news; to good peak. <R>
- + 14 OCT, 0003 - fast Hebrew talk; loud.
- 1215 ENGLAND, Virgin Radio synchros (100/50/10/2/1 kW) - 11 OCT, 0143 - Music, // 1197.
- + 12 OCT, 2015 - Excellent, "Classic album triple play that pays 1000 pounds every morning", // 1197, 1233, & 1242.
- + 13 OCT, 2121 - EE talk, then "Rhiannon" by Fleetwood Mac; good, well o/ Spain. <R>
- 1215 SPAIN, COPE synchros (2/1 kW) - 10 OCT, 0505 - SS // 837, 999, 1134, 1143, 1296.
- + 13 OCT, 2113 - SS talk; o/ Virgin R. <R>
- 1222 SENEGAL, Ziguinchor - 8-14 OCT - noted in passing every night around 2100 on this off-frequency channel (between Globo-1220 and Spain-1224) w/ African music and announcer.
- 1224 ENGLAND, Manningtree - 13 OCT, 2335 - // Virgin-1215 w/ rock; atop Spain / Netherlands.
- 1224 NETHERLANDS, Holland FM, Assen (22 kW) - 13 OCT, 0605 - Pop music from "Veronica" station on a ship in the IJsselmeer.
- 1232 ANGOLA, EP da Huila (10 kW) - 14 OCT, 2040 - Presumed this; detected only as moderate het.

- 1233 ENGLAND, Virgin R. low-powered synchros (0.2 kW) - 12 OCT, 2020 -Pop song, weaker than, but definitely // 1197 and 1215.
- + 13 OCT, 2121 - // 1215 w/ "Rhiannon" by Fleetwood Mac; good. <R>
- + 14 OCT, 2042 - Brit accented DJ, old tune by Vangelis. SIO 243.
- 1233 KENYA, KBC General Service, Marsabit (50 kW) - 15 OCT, 0219 - // 4935, 1044, not much to say except music and DJ could be heard in parallel. This channel was much weaker than 1044. When this parallel was clearly matched, you should have heard Dave Clark whoop it up!
- + 15 OCT, 0223+ - Pop music // 1386, but faded away very quickly. SIO 232. Noted here after finding 1044 as // 1386 and 4935 with pop vocal by woman; still able to establish //4935 at 0245-53. Mostly poor amid QRM and not as easy to confirm as 1044, but easier than 747 and tentative 954.
- 1242 ENGLAND, Isle of Wight Radio, Bridlesford Farm - 12 OCT, 2000 -Fair, Independent Radio News, weather, Isle of Wight Radio classic hits ID.
- 1242 ENGLAND, Virgin Radio synchros (1/0.5 kW) - 12 OCT, 2033 - Pop song. Fair peaks, //1215. Didn't hear on 1224 or 1260.
- 1242 OMAN, Muscat - 13 OCT, 2110 - AA violins; u/ Ukraine. <R>
- 1242 UKRAINE, Ukrainian R. 2, Kyiv / others (150/50/30 kW) - 14 OCT, 2033 - Operatic aria by baritone, then the Beatles, then "Take Five" by Dave Brubeck, // 972, 1404. SIO 444.
- 1251 LIBYA, Tripoli (500 kW) - 10 OCT, 0139 - Consistently strong night after night with AA program, // 648.
- + 13 OCT, 2059 - AA vocal; loud, mixing w/ Portugal. <R>
- 1251 PORTUGAL, Porto / Viseu - 13 OCT, 2059 - PP talk o/u Libya. <R>
- 1251 HUNGARY, Magyar R., Nyiregyhaza/Marcali - 11 OCT, 0215 - Pips (not an unusual time for them to have pips), man talk in Hungarian. SIO 232
- + 13 OCT, 2107 - // 1188 w/ Hungarian talk by man & woman; way u/ Libya. <R>
- + 14 OCT, 2059 - Mariah Carey's "Sweet Fantasy" // 1188.
- 1259 AZORES, Faial (1 kW) - 10 OCT, 2025 - very good (// 693, 836) w/ PP announcer. <R>
- + 13 OCT, 2104-2110 - Presume this but only as moderate het on Afro Beverages, no audio. <R>
- + Same day upon return to Cappahayden, happened to catch this with carrier going off at 0000, so apparently no longer listed 24 hours.
- 1260 ENGLAND, Brunel Classic Gold, Bristol - 12 OCT, 2025 - Fair, "Next on Classic Gold, Abba and Bob Dylan" and UPS Next Day delivery ad.
- 1260 SPAIN, SER, Valencia / Algeciras (20/5 kW) - 12 OCT, 1923 - "SER esportivos" program // 990, 1008, 1026, 1080, 1116, 1287.
- + 13 OCT, 2057 - SS talk; slightly o/ WEZE religion & possible UK / CIHI. <R>
- 1269 SPAIN, COPE synchros (10/5/3 kW) - 12 OCT, 2239 - Pretty vacuous SS talk // 1143. Echo signal, SIO 344 <R>
- + 13 OCT, 2054 - echoey SS synchro cluster w/ up to 1 sec. audio delays between stations. <R>
- 1269 CANARY ISLANDS, Radio ECCA, Las Palmas (20 kW) - 11 OCT, 2050 - I caught a local ID here in SS, but could not understand the slogan. Heard on the 130 degree Renews Afro-Bev which nulled Spain quite well. <R>
- + either Canaries or Spain COPE synchros (10/5/3 kW) ? - 14 OCT, 2000 - 5+1 pips, then news by woman in SS, briefly over presumed German.
- 1269 GERMANY, Neumunster - 13 OCT, 2056 - // 1422 w/ pop-C&W vocal; u/ Spain. <R>
- 1278 IRELAND, RTE 2 FM synchros, Cork / Dublin (10 kW) - 10 OCT, 0210 - Good, adult contemporary music, "Better music, and more of it, 2FM" ID, // 612.
- + 11 OCT, 0540 - Mike Oldfield music, ID, TC.
- + 12 OCT, 2045 - Interview or dialogue concerning pop recording star

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- and references to "Patty-A-Go-Go". Good, // 612.
- + 13 OCT, 2055 - modern rock, EE talk; o/ others. <R>
- 1286 SENEGAL, Kaolack - 11 OCT, 2143 - lively African music and what sounded like the same language heard on other Senegal stations. Very poor modulation. <R>
- + 13 OCT, 2052 - probably this w/ a het against 1287. <R>
- 1287 SPAIN SER, R. Lerida-Lleida (10 kW) - 12 OCT, 1923 - "SER esportivos" program // 990, 1008, 1026, 1080, 1116, 1260, 1287.
- + 13 OCT, 2050 - SS talk o/u Czech station. <R>
- 1287 CZECH REPUBLIC // SLOVAKIA - 13 OCT, 2050 - Slavic talk, mixed w/ Spain. <R>
- 1296 ENGLAND, Radio XL, Birmingham - 10 OCT, 0345 - EE announcer, Indian/Pakistani music.
- + 13 OCT, 0625 - Good, Radio XL ID's and ad string with Birmingham mentions, Indian music.
- + 13 OCT, 2046 - EE talk, "Radio XL" ID popped up o/ BBC, Spain, Sudan. <R>
- + 14 OCT, 2300 - Radio XL ID.
- 1296 SPAIN, COPE, Valencia (10 kW) - 10 OCT, 0505 - // 837, 999, 1134, 1143, 1215.
- + 13 OCT, 2045 - woman in SS; o/u jumble including BBC, R. XL, other SS (?), & Sudan. <R>
- 1296 ENGLAND, BBC, Orfordness - 13 OCT, 2045 - "V" (...-) interval signal; slightly o/ Spain, Radio XL, & Sudan. I'm surprised that this station and R. XL don't interfere with each other within England.
- <R> 1296 SUDAN, NBS, Rebia (1500 kW) - 10 OCT, 0255 - Heard at sign-on with xylophone Interval Signal, // 7200; under R. XL.
- + 13 OCT, 2020 - AA chants under Spain etc., but easily confirmed // 7200. <R>
- + 13 OCT, 2050 - AA vocal, shouting rose atop the jumble. <R>
- 1305 SPAIN, RNE5 synchros (10 kW) - 9 OCT, 2316 - // 1017, 1098, 1107, 1125, 1152.
- + 13 OCT, 2046 - SS news by man & woman, // 1314; good o/ low growl. Signal about 5 dB better than 1314. <R>
- 1313 ANGOLA, EP da Huila / or Namibe (1 kW) - 14 OCT, 2035 - Afro vocals and announcement in PP by man at 2040. Fair; just a het on possible // 1232.
- 1314 SPAIN, RNE5 synchros (10/5/4 kW) - 12 OCT, 2227 - SS // 1305. <R>
- + 13 OCT, 2045 - R. Nacional de Espana ID; good / alone on channel.
- <R> 1314 NORWAY, NRK, Kvitsoy (1200 kW) - 11 OCT, 0619 - Woman speaking in Norwegian, mentions "Oslo", very strong.
- 1323 GERMANY, Voice of Russia, Wachenbrunn (1000 kW) - 13 OCT, 0610 - Good, VOR World Service "Focus On Asia and the Pacific" program in EE.
- + 13 OCT, 2044 - man & woman in FF; o/ others. <R>
- 1323 CYPRUS, BBC Relay, Zyyi (Limassol) - 10 OCT, 0308-0315 - BBC WS program, "BBC News from London" heard at 0314, // 198. SIO 233
- 1325 MOROCCO, RTM "C", Safi (5 kW) - 12 OCT, 2225 - French programming on odd channel. <R>
- + 13 OCT, 0615 - apparent sign-on.
- + 13 OCT, 2045 - instrumental music at low audio level. <R>
- + 13 OCT, 2338 - FF teletalk; good.
- 1332 ITALY, RAI R. Uno, Roma et al. - 10 OCT, 2149 - news in II regarding parliamentary and economic reforms; o/ British stns, SIO 333.
- + 13 OCT, 2043 - II teletalk o/ unID music station (that was probably UK). <R>
- 1332 IRAN (t), Tehran - 10 OCT, 0204 - Koran, o/ Italy.
- 1341 NORTHERN IRELAND, BBC Radio Ulster, Lisnagarvey (100 kW) - 11 OCT, 0549 - "You're listening to ??? on Radio Ulster", then financial news.
- + 11 OCT, 2210 - woman hosting top hits countdown with \$1 song at 2210.

- Good, sometimes in a fight with Spanish synchros.
- + 13 OCT, 0400 - Good, BBC World Service Newsdesk.
- + 13 OCT, 2041 - EE talk mixed w/ Spain & unID vocal. <R>
- 1341 SPAIN, SER or OCR synchros (2 kW) - 11 OCT, 2210 - SS talk by woman, to good peaks when at times almost equal BBC Radio Ulster.
- + 13 OCT, 2041 - SS talk mixed w/ BBC & others. <R>
- 1349 MAURITANIA, R.Mauritanie, Nouakchott (20kW) - 10 OCT, 2025 - Good, string music and vocal // 4845. <R>
- + 11 OCT, 1953 - Woman speaking FF, then music // 4845.
- + 13 OCT, 1947 - man talking, already strong, as on // 4845. <R>
- + 13 OCT, 2041 - AA music; to fair peak. <R>
- + 14 OCT, 2237 - // 4845 w/ Koranic male vocal; excellent.
- 1350 FRANCE, France-Inter, synchros, Nice / Nancy (300/200kW) - 11 OCT, 2100 - FF // 1071, 1161.
- + 13 OCT, 2039 - FF discussion w/ several announcers; good. <R>
- 1359 ENGLAND, Breeze AM, Chelmsford - 12 OCT, 2100 - Good, "On 1359 and 1431, this is Breeze" and Independent Radio News.
- 1359 SPAIN, Arganda (600 kW) - 13 OCT, 2038 - SS talk; excellent. PP-sounding signal way, way under. <R>
- + 14 OCT, 1920 - SS // 684.
- 1367 SENEGAL, RTS, Saint Louis (20 kW) - 10 OCT, 2331 - Man singing in Arabic. Heard many times this week, but never an ID. Senegal heard lower than Angola, which was heard best on 1367.4
- + 13 OCT, 2037 - AA female chant. <R>
- + 14 OCT, 2253 - Timely ascent to good peak over Angola with definite ID by woman as "Radiodiffusion du Senegal". Apparent phone-in music selections with man announcer hosting, mixing o/u music from the Angolan.
- 1367 ANGOLA, R. Nacional, Mulenvas (Luanda) (100 kW per comments by Vashek Korinek, South Africa, from Comments on African Stations (as listed in 1995 WRTH)) - 12 OCT, 2137 - Pop music pgm hosted by woman and man in PP, different male voice at 2138:30 w/ "Radio Nacional" ID. Over presumed Senegal w/ man talking in AA-like language, SIO 433-2 <R>
- + 13 OCT, 2054 - Primitive native vocals / drum accompaniment at very strong level; didn't detect co-channel Senegal during short stay on the frequency. <R>
- + 14 OCT, 2244 - Highlife music with very good signal but Senegal apparently under and later peaking unexpectedly on top.
- 1368 ISLE OF MAN, Manx Radio, Douglas (20 kW) - 12 OCT, 2045 - Fair, Manx Radio ID, ad for commercial radio.
- + 13 OCT, 0630 - News report mentions Douglas.
- 1368 unID's - 13 OCT, 2036 - opera / classical music (Poland ?), o/u PP-sounding radio drama, third signal under. <R>
- 1377 FRANCE, R. Bleue, Lille (300 kW), 13 OCT, 0632 - FF // 1206, 1404.
- + 14 OCT, 0545 - FF folk vocal // 1494.
- 1386 KALININGRAD, Bolshakovo (1200 kW) - 11 OCT, 2130 - Good, news from Radio Nederland in English. <R>
- + 11 OCT, 2138 - EE news w/ announcement of the Nobel Prizes in chemistry - well, maybe next year... SIO 455.
- + 13 OCT, 2032 - Dutch talk (R. Nederland relay); good, atop 2 others. <R>
- + 13 OCT, 2203 - EE program w/ talk about the effect of western culture on India. <R>
- + 13 OCT, 2222 - Strong in EE, with "A Good Life".
- + 14 OCT, 1932 - Voice of Russia Foreign Service (as listed) with repetitious slogan by man in RR, then rock music. Already very good at this time, as was Luxembourg overriding Saudi Arabia on 1440.
- 1386 unID - 10 OCT, 0121 - Russian private station here?
- 1386 KENYA, KBC General Service, Maralal - 10 OCT, 0157 - Interval signal of flutes and drums, man with opening announcements, then anthem, //

4935. Man speaking in Russian at same time.
- + 15 OCT, 0158-0210 - "K.B.C.", then drum IS, choral anthem at 0200, "Good morning" and frequency announcement at 0201:30, religious song, EE talk, // 4935. SIO 322.
 - + 15 OCT, 0157 - Strong open carrier at 0155 tune-in; man suddenly on with "This is KBC" at 0157. IS of drums / flutes to 0200 with 3+1 pips, choral anthem and full opening by man with frequencies, then pgm of pop selections. Fair-good signal, way over presumed Kaliningrad and // 4935 which was strong but slightly distorted. Subsequently found much weaker // MW outlets through QRM on 1044, 1233, 747 and tentative 954. Still fair peaks on 1386 at 0312 with 0317 transmitter sunrise approaching.
- 1394.2 TOGO, RT, Lome (20/1 kW) - 13 OCT, 2043 - man talking in FF, // 5047. Fair until severely QRM'ed by Albania-1395 at *2045. <R>
- + 13 OCT, 2109 - FF talk & music; clear parallel with 5047.
- 1395 ALBANIA, TWR, Fllake (Lushnje) (1000kW) - 11 OCT, 1945 - TWR ID in EE, interval signal, program in unID language.
- + 13 OCT, 2031 - TWR relay excellent w/ religious music, then unID language talk. <R>
 - + 13 OCT, 2201 - EE preaching (southern US accent); excellent. <R>
- 1395 NIGERIA (t), Abak - 11 OCT, 2254 - rhythmic African music. <R>
- 1404 IRAN (t), Rasht - 13 OCT, 2101 - Islamic vocal rose atop Ukraine (?) & possible PP station. <R>
- 1404 FRANCE R. Bleue synchros (20/1 kW) - 13 OCT, 0632 - FF // 1206, 1404.
- + 14 OCT, 0605 - FF music // 1377.
- 1404 unID - 13 OCT, 2200 - pips, SS talk, news mentioning Bosnia-Herzegovina; o/ others. <R>
- 1404 UKRAINE, Ukrainian R. 2, Kotovsk / others (50/30/25 kW) - 14 OCT, 2040 - Dave Brubeck's "Take Five", // 1242. SIO 243.
- 1404 MOROCCO, site? - 14 OCT, 2103 - AA // 909.
- 1413 SPAIN, RNE5 synchros (10/5/5 kW) - 11 OCT, 2100 - SS // 1152.
- + 13 OCT, 2026 - strong multiple-station mess w/ at least 3 different SS programs audible o/ a bad growl. <R>
- 1413 OMAN, BBC, Masirah Island (750 kW) - 10 OCT, 0110 - Program in Hindi.
- 1422 ALGERIA, Algiers - 13 OCT, 2025 - man in AA at low modulation level on huge carrier; way atop Germany (which was playing Cranberries song). <R>
- 1422 GERMANY, Heusweiler - 13 OCT, 2056 - // 1269 w/ pop-C&W vocal; u/ Algeria. <R>
- 1431 PORTUGAL, Caramulo - 13 OCT, 2023 - C&W music, PP talk; poor. <R>
- 1440 LUXEMBOURG, Marnach (1200 kW) - 11 OCT, 2150 - Good, religion from TWR in EE. <R>
- + 14 OCT, 1910 - Excellent, "Der oldies sender" jingle ID and oldies music.
 - + 14 OCT, 0458 - GG religious program; o/ WWTM, WLPZ.
- 1440 SAUDI ARABIA, Dammam (1600 kW) - 10 OCT, 2205 - AA // 900, 1521.
- + 13 OCT, 2022 - AA talk by man; o/ possible II talk (Luxembourg ?). <R>
- 1449 ITALY, RAI, Squinzano et al. - 12 OCT, 2120 - Good, "radio notturno musica italiana".
- + 13 OCT, 2021 - II rock music, // 846. <R>
- 1458 ENGLAND, Fortune 14-58 Radio, Manchester - 10 OCT, 0100 - Mess of Brits w/ pips and ID's, this one dominant, news read by woman. SIO 322
- + 13 OCT, 0229 - Good, "The best variety of soft rock, soul, and love songs, this is Fortune 1458" ID, over BBC synchros.
- 1458 ENGLAND, unID but possibly Fortune 1458, Manchester (5 kW) - 12 OCT, 0616 - chatty English-accented announcer noted through others.
- 1458 ALBANIA, R. Tirana, Fllake (Lushnje) (500 kW) - 12 OCT, 2048 - Mention of Tirana. <R>
- + 13 OCT, 2019 - presumed this w/ SS talk by man & woman; o/ unID C&W

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- station (UK?). <R>
- 1458.2 GIBRALTAR, BBC / Gibraltar BC (0.5/2 kW) - 12 OCT, 2043-2049, 2057-2102, 2119 - BBC WS pgms, including WS ID, pips and news at 2100; established // 6195 at 2119. Splatter from Tirana and others on 1458.0, SIO 322. <R> Information: Translated from a letter (18 February, 1993) from NRCer Mauricio Molano, who is both an announcer and a sound technician with the RNE in Salamanca: "The station that you have been hearing on 1458.2 with BBC WS is Radio Gibraltar (normally 1458.27 kHz), which I can hear in the early mornings with local programming."
- 1467 FRANCE, TWR Roumoules (1000 kW) - 11 OCT, 2218 - Very strong with AA program.
 + (date, time ?) Woman w/ religious talk in Standard Chinese ! SIO 444 <R>
 + 13 OCT, 2018 - upbeat SS religious song, then man in SS; huge. <R>
 + 14 OCT, 0459 - GG talk; excellent.
- 1475.1 BENIN, ORT du Benin, Cotonou (50/20 kW) - 9 OCT, 2106 - African music, FF talk and fanfare; good.
 + 10 OCT, 2040 - Good, talk in FF // 4870.<R>
 + 12 OCT, 2056 - Highlife music // 4870, drums, then news in FF at 2115. <R>
 + 12 OCT, 2054 - Cuban music, FF talk including ID as "Radio Benin", then highlife music. SIO 344 <R>
 + 13 OCT, 1957 - ID by man in FF, drums, then music. Strong signal, as on // 4870 which had rather distorted audio. <R>
 + 13 OCT, 2016 - Afro-accented FF talk; strongly hetting 1476. <R>
- 1476 UNITED ARAB EMIRATES, UAE Radio, Dubai (1500 kW) - 13 OCT, 0220 - Good, alone on the frequency with string music interval signal.
 + 13 OCT, 2015 - AA talk; dominant. <R>
 + 14 OCT, 0259 - Sign-on with a choral flourish, woman speaking AA.
 + 14 OCT, 0303 - AA talk by man; o/ Spain & UK.
 + 14 OCT, 2005 - AA vocal with strong signal, // 13675.
- 1476 ENGLAND, Guildford (1 kW) - 14 OCT, 0540 - British-accented man with TC at 0540 as "twenty-to-seven", station promo as "every night from midnight 'til dawn" and jingle ad. Surprisingly good signal. Main QRM was a 1 kHz intermittent tone. SIO 242. Recent Medium Wave News says that slogan is being changed from "Mercury" to "The New County Sound".
- 1485 ASCENSION ISLAND, BBC Atlantic Relay (0.5 kW), English Bay, 11 OCT, 2230 - Good, BBC World Service.
 + 14 OCT, 0012 - BBC program // 5975.
 + 14 OCT, 0008 - World Service at nice peak level, then into deep fade at 0013. Again same day at 2220 with news report on situation in Mogadishu. Great level for 500 watts and clear channel on SE (Brazil) Beverage.
- 1485 SPAIN, SER synchros (2 kW) - 11 OCT, 0243 - echoey SS // 1026.
 + 13 OCT, 0057 - Talk in SS, fair and tending to dominate BBC Ascension. UnID station with AA chants way below - Syria?
 + 13 OCT, 2014 - stations w/ 3 different SS programs; evenly mixing. <R>
- 1492.7 MOROCCO, Agadir - 11 OCT, 2245 - Good, AA music // 909 & 1044.
 + 13 OCT, 2012 - drum banging, AA talk. <R>
 + 14 OCT, 2009 - Someone said that 1044 and 1492.7 were parallel from Morocco and they were. Didn't get an ID!
- 1494 MOLDOVA, Cahul/Edinet - 9 OCT, 0420 - Good, many Moldova mentions in what was believed to be Romanian language discussion.
- 1494 FRANCE, Clermont-Ferrand et al. - 14 OCT, 0545 - FF folk vocal // 1377.
- 1494.2 unID - 13 OCT, 2013 - classical music, possible SS talk by woman. <R>

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- 1502 ANGOLA, EP de Benguela (10 kW) - 11 OCT, 2135+ - Pop & easy-listening vocals; man at 2202 w/ possible news in PP. Fair-good on peaks; // weaker 5043.
 + 13 OCT, 2050 - highlife rhythms and very strong but muddy modulation on voice announcement by woman at 2053. <R>
- 1502.4v TOGO, Radio Kara (10 kW) - 13 OCT, 2015+ - Talk by man in FF, // 3222.1 but both rather weak. Transmitter wandered between 1502.35 and 1502.45 within a matter of minutes. More-or-less stable on 1502.43 but still weak at 2049 recheck. <R>
 + on 1502.6v - 14 OCT, 2107 - Slow Afro rhythms / vocals at fair level, // 3222.06. Varying moderately to 1502.58.
- 1503 AZORES, AFRTS Lajes (0.1 kW) - 11 OCT, 1930 - Good, Swap Shop program, 96.1 FM and 1503 ID. <R>
 + 14 OCT, 0050 - Weak but steady, with National League playoff game.
 + 13 OCT, 2007 - US EE slogan "one great country song after another", then C&W music; o/u Spain. <R>
- 1503 SPAIN, RNE5 synchros - 13 OCT, 2007 - SS talk mixed w/ Azores. <R>
 1503 unID - 12 OCT, 2357 - AA music, Iran?
- 1512 BELGIUM, RVI / Belgische Radio, Wolvenstem (300 kW) - 10 OCT, 2308 -Foreign Service program.
 + 12 OCT, 2225 - Excellent, end of EE program Brussels Calling, then FF with Radio Vlaanderen International ID.
 + 14 OCT, 0600 - Flemish talk; good through WNRB slop.
 + 14 OCT, 2026 - Flemish talk by 2 men; excellent.
- 1512 SAUDI ARABIA, Jeddah (1000 kW) - 10 OCT, 0115 - Koranic program (comes on 0100).
 + 13 OCT, 2005 - AA talk by man, atop possible British station. Signal good, though 10 dB weaker than 1521. <R>
- 1521 SAUDI ARABIA, Duba (2000 kW) - 10 OCT, 0212 - Koranic program, always strong.
 + 11 OCT, 1925 - Excellent, AA music // 9555. <R>
 + 13 OCT, 2003 - AA news by man w/ mentions of Iraq, Palestinians; excellent. <R>
 + 14 OCT, 2027 - AA talk; o/ others.
- 1528 CLANDESTINE - 10 OCT, 0139 - Heard previously by Jean on other nearby frequencies, an Anti-Iraq clandestine operation? Medium Wave News says that this is possibly from Egypt.
- 1530 SAO TOME E PRINCIPE, VOA Pinheira (600 kW) - 9 OCT, 0500 - Good, "This program has come to you from VOA Washington", interval signal, then "Welcome to the Voice of America".
 + 10 OCT, 0308 - VOA in EE, // 7405.
 + 12 OCT, 0359 - Ending pgm in Special EE. Good, // 7405.
 + 13 OCT, 2002 - Interview concerning genocide in Zaire. Strong.
 + 14 OCT, 0320 - Powerhouse signal noted in passing, as // 7405.
- 1530 VATICAN, Vatican R. (600/300 kW) - 11 OCT, 0010 - ID in four languages.
 + 13 OCT, 0138 - Excellent, ID in three languages including EE at end of "With You Through The Night" music program.
 + 13 OCT, 2002 - R. Vaticana ID, II talk; good, atop VOA Sao Tome EE news. <R>
 + 14 OCT, 2027 - R. Vaticana in PP (don't confuse w/ Madeira or WDJZ).
 + 14 OCT, 2058 - EE ID.
- 1530 ENGLAND - 14 OCT, 0550 - British EE adverts; o/ others.
 1530 unID jammer - 14 OCT, 2027.
- 1536.7 / 1537.1 unID jammer - 10 OCT, 0303-0308 - Jammer w/ descending notes. Iraq ?
- 1538.9 unID, possibly CLANDESTINE (or UAE ?) - 14 OCT, 2318 - AA talk.
- 1539 SPAIN (or MELILLA) - 13 OCT, 2002 - SS talk by man & woman, then pop music; fair to good. <R>
 + 14 OCT, 2027 - weak SS talk.

- 1539 UNITED ARAB EMIRATES (t), Sadiyat - 14 OCT, 2315 - AA talk, mentioned "min Dubai". AA had been heard here from Billerica, MA monitoring station on 17 SEP at 0235.
- 1544 CLANDESTINE (probably ALGERIA) - 10 OCT, 2140 - AA.
 - + 13 OCT, 2001 - man in AA talking over musical interludes; excellent. <R>
 - + 13 OCT, 2358 - huge w/ screaming / singing woman, drum, picked string instrument.
 - + 14 OCT, 0600 - man in AA; excellent. This should be audible on the West Coast at this time.
 - + 14 OCT, 2028 - screaming, banjo-plucking.
- 1548 ENGLAND, R.City Gold, Liverpool - 13 OCT, 0118 - Fair, oldies music, promo for 21 year anniversary party, giving Stanley St./ Box 1548 address for tickets.
 - + 13 OCT, 1959 - Gloria Gaynor song, "R. City Gold" ID, Blackpool mentions; mixed w/ others. <R>
 - + 13 OCT, 2335 - Mixing mainly w/ BBC local station, Johnny Cash song, ID, ad. SIO 222.
- 1548 ENGLAND, Capital City Gold, London (97.5 kW) - 13/14 OCT, 2335 -This station (per Jean) with talk by English-accented woman, then interview with man. Briefly on top and mixing with at least one other UK Local Radio outlet before subsequent fade-up of VOA-Kuwait at 2345. Also readable at 0002 with news by woman, through VOA news being read by man.
- 1548 SCOTLAND, Max AM, Edinburgh - 13 OCT, 0100 - In briefly with "1548 Max AM" through VOA-Kuwait and R.City Gold-England.
- 1548 KUWAIT, VOA Kuwait City (100 kW) - 10 OCT, 0104 - News in EE.
 - + 12 OCT, 2305 - Good, "You're listening to the Voice of America broadcasting from Washington", over England.
 - + 13 OCT, 2338 - Briefly up over the Brits w/ VOA program about the history of disease; the speaker said that in the American Civil War, more soldiers died of disease or infection than died from bullets. SIO 322.
 - + 13 OCT, 2345 - Rising on top of Capital City Gold with woman at VOA pgm break, then talks concerning American theatre and farming subsidies. VOA news at 0000. <R>
 - + 14 OCT, 2050 - AA political talk // 7205.
- 1557 MALTA, Deutsche Welle, Cyclops (600 kW) - 12 OCT, 2211 - // 6100 in GG. <R>
 - + 12 OCT, 2315 - Good, talk in GG // 6075.
 - + 13 OCT, 1959 - man & woman in AA; excellent, o/ others. <R>
- 1565.8 UNID jammer - 10 OCT, 0111 - "Tick-tock" sounds. 1566 AZORES, Clube Asas do Atlantico, CSB81, Vila do Porto (10 kW) - 9 OCT, 2059 - PP talk, 1 pip at 20 secs to top of hour, then pips at 2100, "Boa Noite", jingle, and transmitter off without anthem. This earlier s/off time explains why they have not been heard recently in North America ! SIO 444
 - + 12 OCT, 2006 - With sports, mention of "Radio Boa Vista" during sports report. <R>
 - + 13 OCT, 2000 - Good, RDP news and jingles, then "deportes" (sports).
 - + 14 OCT, 0813 - Pop song during short fade-up to fair peak; woman announcer in PP at 0814.
 - + 14 OCT, 1936 - talk in PP by man; good.
- 1566 BELARUS, Voice of Russia, Mayak synchros (10/7/5 kW) - 10 OCT, 2300 and 13 OCT, 0000 - with Radio Moscow interval signal and pips. Not sure if this is the correct transmitter site.
 - + Station Mayak, only low powered synchros listed in WRTH - 10 OCT, 2259 - IS, pips at 2300, ID, woman w/ news in Russian. SIO 233
 - + 12/13 OCT, 2359 - Briefly fading up and mixed with Iran which was on top during deep AIR fade with Midnight in Moscow IS to 0000 pips.

- 1566 INDIA, AIR, Nagpur-Buttibori (1000 kW) - 11 OCT, 2348-0001 - Indian film music, briefly heard woman in Hindi just before 0000, then back to music. Mixing w/ Iran, SIO 322. A real thrill when we first got this, and just as thrilling to hear it night after night. Music from 2345 fade-in, 5+1 time pips at 0030 (India like Newfoundland has top of the hour at xx:30 UTC), Hindi news 0030, EE News 0035, fading at 0040 (Indian daylight). Heard a single long transmitter tone preceding carrier off at 0041. The program is briefly // 5010 (0035-0040). Not as distant as Lesotho, but less water path to work with.
- + 12/13 OCT, 2339+ - Initially noted with "obvious" film music under Iran, then rising to first great peak at 2348; continuing very strong at times to 0015+, save for occasional fade-down periods, as 2359 when mixed with Iran and lower level Belarus synchros. Pgm of mostly film music until usual AIR 5+1 pips at 0030 and into National Channel Hindi news, //4840 but not 5010. Then EE news at 0035, // 5010 but not 4840. 5010 does not carry the National Channel Hindi news at 0030, but does relay the EE news at 0035. Still fair at 0035, but faded down fast at 0038, just ahead of listed 0040* which also corresponded to transmitter sunrise. Interesting that Boulder 'A' index for 12 OCT was = 24 and 13 OCT 0000 'K' index = 4 due to coronal hole effects. Signal clearly superior on Euro Beverage, less of a skewed path than might have been expected.
- + 13 OCT, 0035 - Good, woman with news bulletin in EE // 5010 until 0040
- + 14 OCT, 0030-0036 - 1566 much weaker behind Iran but same pattern of // channels for news relays on shortwave observed and many 60/90mb AIR outlets noted at dramatically enhanced levels during 0040-0100 bandscan with much quieter geomagnetic field.
- + 14/15 OCT, 2325 - Already showing o/u Iran with film music; to very good peaks thereafter and ID at 0035 bridging Hindi and EE news segments read by woman and man respectively: "This is All India Radio. The news, read by...". Gone at 0040.
- + 14 OCT, 2324 - good to EXCELLENT (!) w/ Indian film music, pips at 2330, mention of India, then news in Hindi, then woman with news in EE "that's the end of this news bulletin", then man in Hindi mentioning "kilohertz", then music.
- 1566 IRAN, IRIB, Bandar-Abbas (100 kW) - 10 OCT, 0111 - Koranic program.
- + 12 OCT, 0001 - Faded up over AIR w/ man in Farsi, probably news. SIO 322
- + 12/13 OCT, - Dominating channel at 2339 tune-in, but soon in a fight with and then mostly under AIR. Briefly on top at 2359, mixing with AIR and Belarus at 0000+ with talk by man, possibly news in Farsi.
- + 14 OCT, 2310 - Koranic vocal.
- 1566 no TUNISIA, ERTT, Sfax - This 1200 kW outlet was OFF during the time of this DXpedition.
- 1567 UKRAINE, unID site - 10 OCT, 0207-0231, 0257-0303 - At 0207, woman in Slavic language, possibly Ukrainian, w/ news to 0210, then man talks, some short music... at 0257 man and woman talk, either a big fade or long period of silence before 5 pips at 0300 and an anthem; woman resumed speaking at 0301. Deep fades, hets notched, peaks to SIO 232.
- + 12 OCT, 0005 - Weird, wailing vocal by woman in unID language. Fair-good on Euro Beverage through 0020 tune-out. Was initially thought to be a Middle Eastern clandestine.
- + 13 OCT, 2356 - het against Belarus - 1566.
- + Information from Thomas Adam in Germany: "Now I can confirm 1567 kHz definitely as being Radio Ukraine. I heard them last night (11 NOV) at 0215 UTC with well-known interval-signal and ID."
- 1575 SPAIN - 13 OCT, 1955 - dominant Spaniard had a program that was different from that on a weaker SS station that was isolated

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- successfully by phasing. <R>
 + SER synchronos (5 kW) - 14 OCT, 0046 - SS // 1485, 1584.
 1584 SPAIN - 13 OCT, 1953 - fast SS teletalk, atop station which had SS
 vocal. A third station (possibly AA music) was way under. <R>
 + SER synchronos (2 kW) - 14 OCT, 0046 - SS // 1485, 1575.
 1593 GERMANY, Holzkirchen - 14 OCT, 2045 - Slavic talk to good peaks.
 1593 EGYPT, Matruh (10 kW) - 15 OCT, 0309 - AA. Everyone said this was
 Egypt before I tuned this in - I'll have to take their word for it!
 1593 EGYPT / unID - 13 OCT, 1952 - AA vocal, atop station playing oldie
 "Black Betty" by Ram Jam (1977). <R>
 1593.35 unID - 13 OCT, 1951 - het against 1593. Ideas ? <R>
 1602 SPAIN (2 stations) - 13 OCT, 1951 - strong SS talk station NOT // 1584
 was atop (Jean says it's the usually-dominant Euskadi Vitoria
 station); when it was phased out, a weaker SS station that was //
 1584 was heard. <R>
 1602 SPAIN, R. Vitoria, Vitoria (10 kW), 12 OCT, 1923 - Ad for Banco de
 Vitoria, sports report. <R>
 + 12 OCT, 1955 - Presumed this one with talk by man in SS, over another
 SER synchro outlet (5/2 kW)
 + 14 OCT, 1959 - heard with R. Vitoria ID, pop song.
 1611 VATICAN, Vatican Radio (100 kW) - 14 OCT, 1919 - Interval signal, //
 5882.
 + 13 OCT, 1945 - rosary, seemed to be in Latin (spoken Latin sounds
 somewhat like SS / II blend). <R>
 1611 NORWAY, Rogaland - 14 OCT, 2344 - "LGB TLX" in Morse code.
 1615.82 NETHERLANDS, unID Pirate - 14 OCT, 2116-2124 - Hoaky Dutch tunes
 (usual programming for these stations). Frequency drifting up, was
 1615.90 by 2120. Deep fades, utility QRM, SIO 232-1.
 1616 ENGLAND, Cullercoats - 14 OCT, 2116 - "GCCCI" in Morse code.
 1620 NETHERLANDS, Scheveningen - 14 OCT, 2130 - "PCH" in Morse code.
 + 15 OCT, 0050 - CW beacon with "PCH" in slow Morse Code. Strong
 signal.
 1685 unID - 15 OCT, 0510 - "9W135" in Morse code.
 1698 unID (SPAIN ?) - 13 OCT, 1947 - utility station here w/ SS weather
 report on upper sideband. <R>

* PAN-AMERICAN DX *

- 532 TURKS AND CAICOS, RVC (50 kW) - 12 OCT, 0720 - SS religion.
 + 13 OCT, 0159 - SS religion; excellent. (Has subsequently moved to
 535 kHz and back to 532. Audio is on upper sideband.)
 535 GRENADA, GBC, St. George's (20 kW) - 11 OCT, 2238 - strong, w/ Carib-
 accented EE talk and music.
 + 12 OCT, 0400 - Good, "This is the radio division of the Grenada
 Broadcasting Corporation..." full-data s/off w/ anthem.
 + 13 OCT, 0159 - vocal "If I Could Turn Back Time".
 550 VENEZUELA, Mundial, YVKE, Caracas (100/50 kW) - 11 OCT, 0356 -Heard
 with "Mundial" during change in DJs.
 + 13 OCT, 0210 - SS talk, Caracas mentions; u/ CFNB.
 555 ST. KITTS & NEVIS, ZIZ, Basseterre (10 kW) - 13 OCT, 0218 - music at
 low audio level.
 570 BRAZIL (t), R. Continental, ZYJ349, Palotina (1/0.5 kW) - 11 OCT, 0637
 -Ads for "Parana" state, ad for "Electro Vaguerro en Tirao"
 (nightclub?), rooster and timecheck for 3:40.
 580 PUERTO RICO, R. Reloj, WKAQ, San Juan (10 kW) - 11 OCT, 0706 -With
 news items and IDs.
 + 13 OCT, 0226 - SS talk, WKAQ ID jingle heard w/ CJFX nulled.
 + 14 OCT, 0530 - Fair, "WKAQ Radio Reloj todo noticias" ID, o/u CJFX.
 590 unID - 13 OCT, 0230 - SS talk u/ nulled VOXM.
 600 VENEZUELA, R. Sucre, YVQB, Cumana (10 kW) - 11 OCT, 0349 - Mention of

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- baseball team "Los Petroleros".
- 600 COLOMBIA, R. Libertad, HJHJ, Barranquilla (50 kW) - 11 OCT, 0702 -"En Colombia, son las dos y dos" (2:02), poor in mess.
- 600 BRAZIL, R. Gaucha, ZYK278, Porto Alegre (100kW) - 11 OCT, 0704 & 0734 - Station address announced at 0704, ID at 0734.
- 610 TRINIDAD & TOBAGO, NBS Radio 610, VPL6, Port-of-Spain, (50 kW) -11 OCT, 0431-0750 - Noted with VOA Caribbean program, no local IDs. Same program also noted on Trinidad 730!
- + 12 OCT, 0415 - Good, VOA news and VOA Today promo, // 730, over unID SS station.
- + 14 OCT, 0904 - Sign-on mentions Port-of-Spain, then religious program.
- + 14 OCT, 0909 - Man with religious message, then echo announcement for "quality life" which was promoting education for the country. Good punchy signal.
- + 14 OCT, 2207-2215 - Slowly overwhelming a Brazilian (who refused to ID!), w/ man in Trinidadian accent, Hindi music, woman w/ public announcements at 2212:30. SIO 222.
- 610 VENEZUELA, R. Centro, YVXY, Cantaura (10 kW) - 11 OCT, 0515 -mention of "Super de Tachira" lottery after ID.
- 620 ANTIGUA, ABS, St. John's (10 kW) - 11 OCT, 0911 - BBC News // 1160 Bermuda.
- + 13 OCT, 0859 - Signed on with BBC News, no local announcements.
- 630 PUERTO RICO, La Super Cadena, WSKN, San Juan (5 kW) - 10 OCT, 0932-0938 - Man and woman alternating items of news, many "la Super Cadena" ID's and jingles, appeal from someone looking for money to go to New York to get an operation, report from an automobile accident in Ponce. SIO 243
- + 11 OCT, 0358 - At end of paid religious program, mentioning La Iglesia Universal.
- + 11 OCT, 0610 - Good, "en la Super Cadena" ID and telephone talk.
- + 13 OCT, 0247 - R. Cadena ID, SS talk, horse race fanfare.
- 640 GUADELOUPE, RFO, Pointe-a-Pitre (40 kW) - 11 OCT, 0343 - FF program // 1375; mixed w/ Venezuela. Heard several other times, including once with a language lesson FF/EE !
- + 13 OCT, 0254 - FF teletalk // 1375; good w/ CBN nulled.
- 640 VENEZUELA, Ondas Portenas, YVQO, Puerto La Cruz (30 kW) - 15 OCT, 0505 - ID heard in passing.
- 650 COLOMBIA, RCN Antena 2, HJKH, Bogota (30 kW) - 10 OCT, 0927-0931 - Latin American music, TC at 0928 ("las 4:28"), news item, RCN and Antena Dos ID's and pgm promos. QRM from CKGA, SIO 322.
- + 11 OCT, 0926 - ID heard in passing. (QSL from 2 years ago says 100 kW)
- + 13 OCT, 0327 - Antena Dos ID, u/ CKGA, o/ WSM.
- + 15 OCT, 0803 - ID w/ slogan, La ballad. SIO 343.
- 660 VENEZUELA, Ondas de los Medanos, YVNA, Coro (10 kW) - 11 OCT, 0310 -Fair, "Romantica Seis-Sesenta" slogans and romantic/pop ballads, s/off at 0355-0400 with Ondas ID and two anthems (state and national). QRM from WFAN, SIO 332
- 660 ST. LUCIA, R. St. Lucia, Castries (25 kW) - 10 OCT, 0018-0019 - Caribbean-accented man w/ pgm "'In the Public Interest' every Monday night". Announced as 25 kW. Was atop unID Brazilian. R. St. Lucia ID heard. Very good signal.
- + 11 OCT, 0304 - Good, full-data s/off with anthem.
- + 14 OCT, 0110 - reggae / doo-wop fusion music, promo for "R. St. Lucia Top 20 Caribbean Countdown".
- 670 VENEZUELA, R. Rumbos, YVLL, Caracas (100 kW) - 9 OCT, 2359 - SS talk, ID at 0000. SIO 222
- + 14 OCT, 0058 - loud w/ SS talk mentioning local cities, Rumbos ID.
- 690 ANGUILLA, Caribbean Beacon, The Valley (100/50 kW) - 11 OCT, 0335 -

- With Australian preacher, // 1610.
- 690 BRAZIL, R. Dragao do Mar, ZYH587, Fortaleza (25/10 kW) - 13 OCT, 0318 - PP talk mixed w/ CBF classical music and religious C&W (probably Anguilla)
- + 13 OCT, 0730 - Heard ID.
- 700 BRAZIL, R. Nova Eldorado AM, ZYK686, Sao Paulo (50 kW) - 8 OCT, 2317-2322 - PP news about Brazilian politics, then PetroBras; clear "Radio Nova Eldorado" ID at 2322. SIO 443
- + 10 OCT, 0002 - ID, news item about Paraguay. SIO 333
- + 13 OCT, 0321
- + 14 OCT, 0100
- + 14 OCT, 0135 - Good, PP talk; "Radio Nova Eldorado AM" ID and telephone talk noted on occasion.
- 700 BRAZIL, Radio Super, unknown site - 11 OCT, 0735 - Heard this PP slogan.
- 700 VENEZUELA, R. Sur, YVPQ, Puerto Ordaz (5/2kW) - 11 OCT, 0805 - Heard with slogan while trying to ID Brazilian.
- 720 VENEZUELA, R. Oriente, YVQE, Porlamar (50 kW) - 8 OCT, 2259-2304 - Sincere SS talk by a woman, ID at 2302 "desde la Isla de Margarita, Radio Oriente, la senal de Venezuela" then ads and promo for someone/thing called "Maria Alta"; o/u R. Guaiba, SIO 322
- + 8 OCT, 2350 - Woman in SS talking about La Guardia, ID. QRM from a ZY and CHTN.
- + 10 OCT, 0340 - Fair, TC and "...en Radio Oriente, la musical de Venezuela" ID.
- + 14-15 OCT, 2259, 0301 - At 2259, it faded up over the Brazilians w/ talk about the "liga de beisbol profesional de Venezuela" and a team called the Tamonacos; 0301 clear TC and ID's after the ZY's signed off, at which time SIO 333.
- 720 BRAZIL, R. Clube de Pernambuco, ZYI770, Recife (100/50 kW) - 14-15 OCT, 2233, 0103 - At 2233 and 0103 "Radio Clube de Pernambuco" jingles picked out of the crud. This frequency is a mess, at least 2 Brazilians, Canaries and another Spaniard, 1 or 2 Venezuelans and CHTN ! (not to mention Portugal and WGN !) SIO 322-1.
- 720 BRAZIL, R. Guaiba, ZYK276, Porto Alegre (100 kW) - 8 OCT, 2252-2304 - PP football news, ad string 2255-8 included 2 mentions of Porto Alegre, then football play-by-play. Deep fades, mixing w/ R. Oriente, SIO 322
- + 13 OCT, 0731 - ID as "Musica Guaiba" and song "I Never Promised You a Rose Garden".
- + 14-15 OCT, 2303, 0102, 0259 - tentative ID at 2303; "Guaiba" in talk that faded up at 0102; s/off announcement garbled by QRM, flutter and poor modulation at 0259. SIO 322-1.
- 730 TRINIDAD, R. Trinidad, Port-of-Spain (20 kW) - 11 OCT, 0431-0750 - Noted with VOA Caribbean program, no local IDs. Same program also noted on Trinidad 610!
- + 13 OCT, 0859 - Sign-on announcement included "This is Radio Trinidad, it's 5:01 a.m.", followed by a religious message.
- 730 BRAZIL, R. Midenque Costal, unknown site - 11 OCT, 0740 - Heard this unlisted slogan.
- 740 VENEZUELA, R. Caroni, YVNQ, Puerto Ordaz (50 kW) - 11 OCT, 0341 - ID.
- 740 BRAZIL, R. Soc. da Bahia, ZYH446, Salvador (100 kW) - 13 OCT, 0350
- + 13 OCT, 0756 - ID noted in passing.
- 750 VENEZUELA, R. Caracas R., YVKS, Caracas (100/50 kW) - 14 OCT, 0101 - SS Caracas news o/u Brazil & CBGY.
- 750 BRAZIL, R. America, ZYL213, Belo Horizonte (50/5 kW) - 8 OCT, 2244 - PP ads, sound effects, TC, ID mentioned "en America". Rose atop CBGY and ZYH709, SIO 333.
- + 9 OCT, 2354 - PP tk, local ads, "America" jingle ID. SIO 332.
- + 13 OCT, 0736 - ID and cuckoo clock timecheck.

- 750 BRAZIL, R. CBN, ZYH709, Brasilia (50/25 kW) - 8 OCT, 2240 - // net w/ CBN program.
 + 9 OCT, 2356 - ID.
 + 15 OCT, 0500 - CBN sound effects, many mentions of the Federal District.
- 760 BRAZIL, R. Record, ZYH588, Fortaleza (10 kW) - 10 OCT, 0320 - Fair, briefly in nice for Radio Record ID, over unID SS LA.
 + 13 OCT, 0358 - atop w/ PP vocal.
- 760 VENEZUELA, Doble Q, YVQQ, Puerto Ordaz (10 kW) - 13 OCT, 0904 - Ads for Barcelona and Puerto La Cruz. WRTH says 0955 sign-on.
- 760.05 GUYANA, R. Roraima, BRG, Georgetown (10 kW) - 13 OCT, 0906 - R. Roraima ID, Celebration of Life calendar item, Voices of Zion choir.
 + 14 OCT, 0858 - choral anthem, full s/on in EE at 0900 with ID and man citing frequencies, including 5950 (unheard). Very strong, masking two unID SS stations on 760 and 759.7 noted 0855 when Guyana had strong open carrier. Subsequently it came to light that 5950 was back on air, monitored in October from Aruba and Venezuela, but with very weak signals. Had been off-air since last year when the primary shortwave antenna was vandalized. \extra information from Andres Folk via Trummel on DXPL-4 Nov`
- 770 COLOMBIA, RCN, HJJX, Bogota (100 kW) - 9 OCT, 0020 - Football play-by-play in SS. Fair over QRM.
 + 10 OCT, 0315 - Fair, "Cadena Radio Rojo" ID and RCN jingle.
 + 10 OCT, 0536 - Announcer quotes from Radio Programa del Peru, but IDs as "RCN".
 + 13 OCT, 0402 - Colombian music mixed w/ Uruguay.
- 770 URUGUAY, R. Oriental, CX12, Montevideo (100/25 kW) - 12 OCT, 0248-0254 - crushing the Colombian at the time with football coverage and clear R. Oriental ID's after broadcast of the same game that was on 810. Football talk was sponsored by Coca-Cola ... the misery of the losers ! QRM from WABC, SIO 433
 + 13 OCT, 0401 - ID, Montevideo mention o/u Colombia.
 + 14 OCT, 0448 - Jingles and chatter by male announcer with mention of Montevideo; mixing with presumed Colombian at 0510 recheck.
- 780 VENEZUELA, R. Coro, YVMN, Coro (10 kW) - 10 OCT, 0409 - Good, R. Coro jingle and "doce nueve" TC, LA music.
 + 10 OCT, 0921 - Loteria de Tachira and Triple de Caracas results, ads, TC (cinco con 22), old-fashioned Venezuelan song. SIO 344
- 780 BRAZIL, unID site - 13 OCT, 0417 - PP talk o/u CFDR; possible candidates ZYK695, ZYI771.
- 780 BRAZIL, R. CBN, ZYK695, Sao Paulo (50/10 kW) - 8 OCT, 2235 - here w/ CBN ID // 1300 et al.
- 789.8 BARBADOS, Vo Barbados, Bridgetown (20 kW) - 9 OCT, 0130-0145 -In a mess w/ SS stn on a very similar freq (probably R. Mitre), news in EE to 0135, jingle ID, then Johnny Mathis tune. SIO 222
 + 10 OCT, 0435 - Fair, TC "25 minutes away from 1 o'clock", oldies requests and dedications, in strong het from off-frequency Argentina.
 + 11 OCT, 0431 - "Male DJ show, "VOB Super Station" ID, slightly low frequency noted on several occasions during the week, a good target in the US now.
- 789.9 ARGENTINA, R. Mitre, LR6, Buenos Aires (25/5 kW) - 10 OCT, 0434 - Fair, "Informe Primera" and "temperatura en Buenos Aires", o/u Barbados. ID as "Radio Mitre" from tape.
- 800 NETHERLANDS ANTILLES, TWR, PJB, Bonaire (500kW) - 9 OCT, 0000 - "Transmite Radio Transmundial" under VOWR. SIO 322
 + 11 OCT, 0813 - Heard in passing with "Radio Transmundial" ID.
 + 14 OCT, 0125 - Good, "Radio Transmundial" IDs and jingle, religion in SS.
 + 14 OCT, 0325 - TWR EE religious talk at 0325, then SS at 0330; o/u VOWR St. John's.

- 800 unID - 13 OCT, 0426 - s/off (last few notes of an anthem).
- 810 BRAZIL, R.Verdes Mares, ZYH589, Fortaleza (50/5 kW) - 10 OCT, 0500 -Fair, ID mentioning "cincuenta kilos potencia", Fortaleza, and "a Brasil", then "importante informacao" news update, over SER-Spain and unID SS religion.
- + 12 OCT, 0225 - Presumed this outlet in PP with soccer game (Brazil vs Uruguay) in progress; also being aired co-channel in SS by R. El Espectador. Each station tended to rotate dominance with occasional breakthroughs of BBC-Scotland as well, even on SE Beverage.
- 810 COLOMBIA, CARACOL, HJCY, Bogota (250 kW) - 10 OCT, 0502 - Heard ID in mess, // 5075.
- 810 URUGUAY, R. El Espectador, CX14, Montevideo (50 kW) - 12 OCT, 0214-0247 - Noted under CJVA and ZYH589's Brazilian futbol (soccer) broadcast with same game in SS (Brazil vs. Uruguay). Many Brazilian stations were carrying the game in PP. To make for even more fun, CARACOL was covering the Colombia vs. Paraguay game at the same time ! El Espectador ID heard at end of the game. SIO 322.
- + 13 OCT, 0525 - SS version of song 'I Just Called To Say I Love You'; BBC-Scotland on top with interview at 0615 recheck.
- 820 BRAZIL, unID site - 13 OCT, 0431 - PP vocal.
- 820 VENEZUELA, "8-20 Regional", YVXG, Coro (25/10 kW) - 11 OCT, 0929 - Mentions San Luis, and includes political ad for Henry Hattar whose speech mentions "nuestro Santiago" and "Venezolanos". Tape replay revealed these phrases as well: "Fiesta Coroiana", and "Nuestro Coro". I did not hear "R. Guadalupana" ID, only "8-20 Regional".
- 830 ST. KITTS & NEVIS, TBN (Paradise), Basseterre - 13 OCT, 0435 - EE religious program; dominant.
- 840 ST. LUCIA, R. Caribbean International, Castries (40kW) - 10 OCT, 0915-0921 - EE news ending w/ ID, Luther Vandross song, read from Psalms at 0919 then after a TC for "5:20" began "The Great Baptist Hour" pgm. SIO 333
- + 11 OCT, 0540 - Good, RCI ID and soca music, over unID FF station (tentative Haiti).
- + 11 OCT, 0845 - Hot dance music, "RCI" ID, strong signal over Brazil.
- 840 BRAZIL, R. Bandeirantes, ZYK687, Sao Paulo (50 kW) - 10 OCT, 0518 - ID, PP program // 6090.
- + 13 OCT, 0440 - PP talk o/ WHAS.
- 850 URUGUAY, R. Carve, CX16, Montevideo (50 kW) - 11 OCT, 0256-0309 - music pgm including a song at 0302 called "Uru, Uru, Uru, Uruguay", Coke ads, mentions of Montevideo, Banco Comercial ad, ID at 0307 "Transmite CX16, Radio Carve, Montevideo, Uruguay en 850 kilociclos", then more ads and a pgm promo. Long, deep fades, SIO 332. Our first major collaborative IDing effort.
- + 12 OCT, 0245 - Good, Radio Carve ID in "futbol comentario", carrying big Brazil / Uruguay soccer game. Game also noted on 810 (CX14).
- + 14 OCT, 0428 - Fanfare, possible ID and mention of frequency; into vocal after announcement by man at 0430.
- 860 BRAZIL, R. CBN, ZYJ459, Rio de Janeiro (100kW) - 9 OCT, 0039-0042 -Promos for CBN pgm, ad string, slogan ("C-B-N, um melhor radiojornalismo". SIO 343
- + 11 OCT, 0821 - Heard ID along with news datelines from various major cities, CBN flourish.
- + 13 OCT, 0101 - Guitar music and PP man announcer with voice-overs. Blasting in.
- + 13 OCT, 0444 - Petrobras ad, PP talk; excellent.
- 860 CUBA, R. Reloj, CMBL, Arroyo Arenas (?) (1kW?) - 11 OCT, 0823 - standard clock and code format.
- 860 DOMINICAN REPUBLIC, R. Clarin, HILR, Santo Domingo (50 kW) - 14 OCT, 0918 - Many mentions of Clarin, and "Gobierno Dominicana" heard through R. Reloj.

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- 870 ARGENTINA, R. Nacional, LRA1, Buenos Aires (100kW) - 9 OCT, 0201 - Woman w/ news in SS: "...el presidente de la Republica, Carlos Menem..." , over an SS stn w/ sports. SIO 333
 + 11 OCT, 0825 - Strong signal every night.
 + 12 OCT, 0140 - soccer game in progress at 0140. Strong and alone on the frequency with S Beverage.
 + 13 OCT, 0446 - SS talk, gave location as Argentina; good.
- 880 BRAZIL, R. Inconfidencia, ZYL275, Belo Horizonte (100 kW) - 9 OCT, 0043 - Lifestyle talk by woman in PP, big reverb. SIO 444
 + 10 OCT, 0540 - ID.
 + 13 OCT, 0448 - PP teletalk good on Brazil Beverage; WCBS was atop on Euro-Bev (off the back).
 + 14 OCT, 0630 - Noted in passing with PP talk at monster level.
- 880 VENEZUELA, Mundial, YVYM, Puerto Ordaz (20/10kW) - 11 OCT, 0840 -Ad mentions Cafe Latiz in Puerto Ordaz.
- 885 MONTSERRAT, R. Montserrat, ZJB, Plymouth (10 kW) - 13 OCT, 0120 - Religious message "Word of God".
 + 14 OCT, 0932 - Woman with religious message at 0932, then choral singing. Fair with fades. Not on at 0915 initial check, so probably just missed sign-on; listed however as 1000 (0900 Sunday).
- 890 BRAZIL, R. Gazeta, ZYK690, Sao Paulo - 13 OCT, 0341 - atop w/ R.Gazeta ID.
- 890 URUGUAY, R. Libertad Sport, CX18, Montevideo (25/10 kW) - 14 OCT, 0514-0600 - Talk about sports, "Escuche Sport" at 0526, complete ID at 0527, then ad string. Heavy QRM from a Brazilian w/ religion, SIO 232. Caught tag-end of ID at 0528, then ads; seemed mention of frequency at 0535. Fair but deep fades so Brazilian tending to dominate (presumably either R. Gazeta or R. Tamandare). Both signals fighting it out at 0600 recheck.
- 895 ST KITTS & NEVIS, VON, Bath Village (10 kW) - 13 OCT, 0117 - With pop music.
 + 13 OCT, 2230 - Good, soca and pop music, weatherwatch, "Top 20 Hit List... on the Caribbean powerhouse, Von" promo.
- 900 BRAZIL, R. Tamoio, ZYJ454, Rio de Janeiro (50/10 kW) - 14 OCT, 0523 - Slogan heard after replaying tape.
 + also heard 13 OCT, 0346.
- 900 BARBADOS, CBC Bridgetown (10 kW) - 14 OCT, 0909-0918 - Choral music by Kings College Choir, mention of Barbados. Religious message in EE, "good morning everyone" and Barbados timecheck as "eighteen-and-a-half past five". Good over unID SS and domestic.
- 910 ARGENTINA, La Red, LR5, Buenos Aires (25/5kW) - 9 OCT, 0303 - Ad, announcer mentioned "La Red" twice before starting telephone conversation. Over/under the Venezuelan, which was running old-fashioned Venezuelan music, SIO 322.
 + 11 OCT, 0847 - News items from various South American capitals, UTC-3 timecheck.
- 920 PARAGUAY, R. Nacional, ZP1, Asuncion (100 kW) - 11 OCT, 0835 -Woman speaking in SS // 9735. Heard "Radio Nacional de Paraguay presento ..." program intro at 0856 through CJCH.
 + 14 OCT, 0827 - Man in SS with long, slow talk and several mentions of Paraguay. Fairly good initially, all alone on channel and better than // 9735.85. Soon fading down rapidly circa 0835+ and almost gone by 0845.
- 940 BRAZIL, presumed R. Brasil AM, ZYJ453, Rio de Janeiro - 13 OCT, 0512 - PP vocal good on south wires; CBM dominant on other antennas.
- 950 ARGENTINA, R. Libertad, LR3, Buenos Aires - 13 OCT, 0104-0200, 0259-0309 - Mixing w/ a Brazilian and deep fades, mainly news and ads (including some with prices in pesos), "Canal 9 (Nueve) Libertad" heard at 0153, 2 pips (1 short, 1 long) at 0200. Woman w/ news at 0259. Through loud low growl from someone slightly off frequency.

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- It seemed to be carrying "Canal 9 Libertad" promo again at 0308 and other program information. SIO 333-1. It seemed to be carrying mostly news and is not to be confused with the Venezuelan here.
- 960 CUBA, R. Reloj - 10 OCT, 0550 - Fair, syncopated clock, man and woman with news in SS.
- 960 BRAZIL, unID - 13 OCT, 2310 - Poor, sounded like Radio Guachera ID.
- 960 BRAZIL, R. Sao Paulo, ZYK689, Sao Paulo (50/10 kW) - 11 OCT, 0153 - Pips at this unusual time ! Then unequivocal "R. Sao Paulo" ID, ads. One presumes this is the station listed in WRTH as "R. Jornal". Over another ZY, SIO 333
- 970 VENEZUELA, Mundial Oriental, YV??, Barcelona - 10 OCT, 0908-0912 - Sounded like a state anthem, s/on announcement w/ ID at 0910, TC at 0911 and Venezuelan music. Strong QRM from CBZ, SIO 322.
- + 11 OCT, 0203 - Good, "En Radio Mundial" TC, tropical music, Radio Mundial Nueve Setenta IDs.
- 979.7 BRAZIL, R. Nacional do Brasil, ZYH707, Brasilia (600/50 kW) - 10 OCT, 2321 - with accordion music and promos.
- + 13 OCT, 0125 - Talk in PP; fair, mixing w/ CBV.
- + also heard on 13 OCT, 0529.
- 990 ARGENTINA, "R. 9-90", LR4, Buenos Aires (25/5 kW) (listed as R. Splendid in WRTH and on a sign seen by Ken MacHarg on a recent trip), - 13 OCT, 0443-0500 - mixing with Brazil here at 0443 (mentioning tangos) and at 0457 w/ R. 9-90 slogan ID (not as listed in WRTH), coffee ad, tangos, fanfare, local mentions at 0500 (pips not noted).
- + 13 OCT, 0437-0511 - Deep fading, o/u a Brazilian w/ religion (probably R. Record); woman hosts program of tangos, but faded or static crash during every putative ID ! Nevertheless, ads revealed this was undoubtedly Argentinian. SIO 332.
- + 14 OCT, 0306-0319, 0333-0404 - Man and woman in SS w/ news, ads, temperature in Buenos Aires at 0315. Still news at 0333, headlines at 0357:30, no obvious ID, but heard "9-90"'s clearly. Deep fades, bad QRM from CBY, SIO 222.
- + 14 OCT, 0420 - Woman announcer with selections of tango music; 0435 "La nueva evento" cited several times with reference to Argentina, into vocal at 0437.
- 990 COLOMBIA (t), RCN, HJDB, Medellin (150 kW) - 14 OCT, 0910 -Possibly this one with mentions of Colombia.
- 1000 BRAZIL, probably R. Record, ZYK522, Sao Paulo - 13 OCT, 0536 - PP music, ID not heard; good, o/ CKBW.
- 1000 COLOMBIA, RCN, HJQA, Cartagena, (15 kW) - 13 OCT, 0923 - SS // 5075.
- 1010 BRAZIL, R. O Povo, ZYH625, Fortaleza (50 kW) - 10 OCT, 2349 - Soccer, with Fortaleza mentions.
- + also heard 13 OCT, 0547
- + 13 OCT, 2338 - with ad string, and ID shouted "Povo".
- + 14 OCT, 2320 - Good, many Povo mentions in PP talk. Both "Povo" and "O Povo" ID's are used.
- 1020 VENEZUELA, Mundial Margarita, YVRS, La Asuncion (10 kW) - 10 OCT, 0610 - Fair, primera sintonia ID and LA music.
- + 13 OCT, 0551
- + 13 OCT, 2337 - Strong signal, easily IDed.
- 1020 TURKS & CAICOS, CCR - 11 OCT, 0021 - ID at 0030 at end of VOA program. Hadn't heard VOA on this one before.
- 1030 ARGENTINA, R. del Plata, LS10, Buenos Aires (25/10 kW) - 9 OCT, 0334-0337 - HUGE signal w/ R. del Plata ID's and numerous local ads. Hard to believe this is only 5 kW nights !
- + 10 OCT, 0605-0615 - fair w/ news items about Buenos Aires, "Del Plata, del 65 anos" ID, tango music.
- + 12 OCT, 0319 - Classical vocals and waltz music program. Surprisingly strong.
- + 13 OCT, 0129 - Man ahead of 2 pips at 0130; clear ID with music

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fanfare at 0135. Great signal.

- + 14 OCT, 0635 - Male announcer with talk about tangos; then Ray Charles vocal selections to clear ID at 0652. Very strong signal dominating channel at this time.
- 1030 BRAZIL, R. Olinda, ZYI777, Olinda (20/5 kW) - 11 OCT, 2330 - This stn as ID'ed by others with soccer game in progress; good o/ Argentinian which had time pips and promo announcements.
- + 13 OCT, 2126 - ID "Radiolinda, Olinda, estado do Pernambuco" heard after PP music. The ID is probably Radio Olinda condensed together.
- + 13 OCT, 2142 - undoubtedly this on early fade-in; PP talk & low growl starting to mix w/ WBZ groundwave. <R>
- 1040 BRAZIL, R. Capital, ZYK537, Sao Paulo (200/100 kW) - 9 OCT, 0032 - Strong w/ ID, male announcer, then jingle.
- + 10 OCT, 0550 - Many IDs, political ads.
- + 10 OCT, 0620 - Good, Radio Capital jingle and TC, Sao Paulo mentions.
- + 13 OCT, 0100 - Caught clear ID, another station reference with jingle at 0103. Very strong.
- + 13 OCT, 0128 - PP talk; huge.
- 1040 BRAZIL / unID SS - 13 OCT, 0553
- 1060 BRAZIL, R. Tapuyo, ZYJ597, Mossoro - 15 OCT, 0001 - Fair, echoed Radio Tapuyo ID, varying interference from what was likely Venezuela.
- + 13 OCT, 0606 - likely this w/ PP talk.
- 1060 BRAZIL, R. Educadora, ZYJ306, Francisco Beltrao (10/0.25 kW) or ZYK533, Piracicaba (5/0.25 kW) - 12 OCT, 0129 - One or the other of these as listed with PP talk, fanfare and generic ID at 0130. Good over another unID Brazilian with seemingly religious pgm. Repeated mentions of "Educadora" noted at 0426 recheck. The other Brazilian, which Jean thought might have been R. Camaquense, Camaqua, then rose atop with preaching at 0428, while the mystery Educadora was back again at 0440 with possible talk show. SIO 332
- + 13 OCT, 0226 - PP talk, "Educadora" mentioned. QRM from another Brazilian, SIO 322.
- 1060 VENEZUELA, unID - 14 OCT, 0500 - Poor with Venezuela anthem, possible San Cristobal s/off per WRTH info.
- 1070 ARGENTINA, Radio El Mundo, LRI, Buenos Aires (25/5 kW) - 9 OCT, 2346 - noted in passing well atop channel. Gave a local address.
- + 10 OCT, 0600 - ID.
- + 13 OCT, 0300 - Woman with clear ID just ahead of 0300 time pips. Peaking over CBA Moncton.
- + 13 OCT, 2330 - with pips and ID.
- + 14 OCT, 0720 - Talk by man, woman with possible ID mention at 0723, then into vocal. Strong peaks o/ CBA.
- 1070 FRENCH GUIANA, RFO Guyane, Matoury (4 kW) - 11 OCT, 0427 - Woman speaking FF, then female vocal, // Guadeloupe-640.
- 1080 VENEZUELA, R. Barcelona, YVQJ, Barcelona (10 kW) - 9 OCT, 2303 -clear "Radio Barcelona" ID rose up out of the mess.
- 1080 BRAZIL, R. da Universidad Federal do Rio Grande do Sul, ZYK280, Porto Alegre (10 kW) - 13 OCT, 0405 - Classical music at fair level on SE Beverage. Presumed Brazilian was subsequently heard by Jim and ID'ed by Jean.
- + 13 OCT, 0423-0428 - Classical music ends w/ man in PP ID'ing (he said all that in less than 2 seconds, but a replay of the tape revealed that it was all there !), then piano music. SIO 232.
- 1090 COLOMBIA, CARACOL, 2 sites listed - 11 OCT, 0042 - SS // 5075.
- 1090 URUGUAY, R. Imparcial, CX28, Montevideo (25/15 kW) - 13 OCT, 0312-0336, 0400 - Two men impartially blaming everyone else for the football loss by the Uruguayan team to Brazil, ads at 0330:30 - car dealership in Montevideo, Laboratorio Young S.A. (US pharmaceuticals), lottery, and others. Surprised to hear pips at 0345, then talk by woman with a low power Brazilian underneath.

Jingle at 0350 and talk about soccer. No time pips at 0400: at that time, they gave a nice R. Imparcial de Montevideo ID. Heard by everyone, ID'ed by Dave and Neil at 0400. Strong het and QRM from a Brazilian. SIO 333-2. This station was well heard in the US 30 years ago on Monday mornings when WBAL would go off. Strong signal on peaks.

1100 BRAZIL, R. Globo, ZYK694, Sao Paulo (150 kW) - 11 OCT, 0201 - ID, heard with strong signal, one that might be heard in the US (has been heard in Maine and on Cape Cod)
+ 11 OCT, 0435 - Good, Globo jingles in ad string, PP pop / rock music.
+ 13 OCT, 0106 - Canned ID's with intervening jingle at 0106 and 0107. Very strong.

+ Also noted 13 OCT at 0611.

1110 VENEZUELA, R. Carupano, YVQT, Carupano (10 kW) - 9 OCT, 0048 - Venezuelan music, man w/ ID, more music; good.
+ 13 OCT, 2321 - ID and lots of doorbell sound effects.
+ 14 OCT, 0020 - Good, "Notaria! Notaria! Por Radio Carupano!" news, LA music, "hora mundial" time checks.

1120 ARGENTINA, R. Atlantica, LU6, Mar del Plata (25/5 kW) - 9 OCT, 0442-0501 - Pgm of "Musica folklorica" hosted by woman in SS, most tunes back-to-back, announcement at 0454 and again at 0459. Deep fades revealing PP religion stn, SIO 343-1.
+ 12 OCT, 0312 - local mentions and R. Atlantica ID jingle by girl.
+ 12 OCT, 0311-0322 - Football news, weather, jingle ID, more talk. Many mentions of Mar del Plata. Over a Brazilian that played "Silent Night"! SIO 333
+ 14 OCT, 0730 - SS talk by woman, no pips. Mention of "Atlantica" ahead of music at 0737. ID confirmed by Neil.

1130 BRAZIL, R. Nacional, ZYJ460, Rio de Janeiro (100/50 kW) - 11 OCT, 0104 - Many mentions of "Nacional", and finally "Nacional informa".
+ 11 OCT, 0450 - Good, "Nacional... do Brasil" ID and Radio Nacional jingle, "onda curta" mention, tango music.
+ 13 OCT, 0700 - Fanfare and Radio Nacional ID with strong signal.
+ 14 OCT, 0514 - Ad and into vocal, noted in passing at killer level.

1140 BRAZIL, R. Cultura da Bahia, ZYH449, Salvador (10 kW) - 9 OCT, 2350 - local mentions and R. Cultura da Bahia ID.
+ 13 OCT, 0246 - ID in mess.

1140 VENEZUELA, R. La Margaritena, YV??, Porlamar - 13 OCT, 0555-0604 - Mess of 4 stns (2 in SS, 1 in PP, CBI), this one surfaced at 0558:30 with simple "Margaritena" ID, then typical Venezuelan music. SIO 322. Heard during unsuccessful try for Chile.

1150 BRAZIL, R. Tupi, ZYK656, Sao Paulo (100/50 kW) - 11 OCT, 0131-0139 - ID, Brazilian pop music, ads, promo for weekend pgm at 0138. SIO 333

1150 BRAZIL, R. CBN, ZYL283, Belo Horizonte - 8 OCT, 2315 - here w/ CBN pgm // 860 et al.

1160 BERMUDA, VSB3, Hamilton (1 kW) - 11 OCT, 0236 - Classical music // 5975 BBC WS. SIO 233-2

1160 ANTIGUA, Caribbean Radio Lighthouse, St. John's (10 kW) - 14 OCT, 2225 - With religious drama.

1170 COLOMBIA, CARACOL, HJNW, Cartagena (10 kW) - 11 OCT, 0139 - SS // 5075.

1170 BRAZIL, R. Difusora, ZYJ598, Mossoro - 12 OCT, 0030 - well atop w/ PP song and Difusora ID. Later hrd R. Difusora ID and Mossoro mentions. <R>

1180 BRAZIL, R. CBN - R. Globo, ZYJ463, Rio de Janeiro (50/10 kW) - 12 OCT, 0330 - Heard with CBN sound effects and news items.
+ 12 OCT, 0339 - Ads, seem to be for stores in Sao Paulo, "C-B-N Brasil" ID, then sports news. SIO 333
+ 13 OCT, 0341-0359 - PP news, "C-B-N Brasil" at 0341. Over a station in SS, SIO 322.

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- 1180 BRAZIL, R. Ribamar, ZYH889, Sao Luis - 8 OCT, 2212 - heard atop the CBN powerhouse in Rio w/ "Ribamar" ID. Generally Rio was dominant here.
- 1180 CUBA, R. Taino, Villa Maria (300 kW) - 13 OCT, 0831 - EE ID "R. Taino broadcasting from Havana, 24 hours a day".
- 1190 BRAZIL, R. Tropical, ZYJ594, Natal (10/1 kW) - 10 OCT, 0100 -Mixing with Argentina, slogan heard.
- + 14 OCT, 2241 - slamming in on Brazil Bev w/ "R. Tropical" ID, fast PP talk.
- 1190 ARGENTINA, R. America, LR9, Buenos Aires (25/5 kW) - 9 OCT, 0214-0239 - Man w/ Italian accent in SS as part of arts and culture pgm, 3 pips at 0230 and news "America Noticias" began at 0234 man and woman alternating items. Deep fades, peaking at SIO 333.
- + 12 OCT, 0607 & 0715 - With information about events in the Italian community.
- + 15 OCT, 0433-0437 - ID and slogan as "Comunicacion 11-90". Talk by man at 0435 at reference to "publico Argentina" at 0437, music bridge and further talk or ad. ID'ed a few minutes earlier by Jim. Fairly good over excited Brazilian PP man (probably R. Tropical) and some domestic breakthrough.
- 1200 BRAZIL, Ceara Clube, ZYH585, Fortaleza (10 kW) - 13 OCT, 0235 -Noted with ID and phone number.
- 1220 BRAZIL, R. Globo, ZYJ458, Rio de Janeiro (150 kW) - 8 OCT, 2322 -PP football; very good.
- + 11 OCT, 0202 - ID, very strong signal, heard later in the week on the TA Beverage, so this one has a chance to reach the US.
- 1230 BRAZIL, Super Radio Correio, ZYI670, Joao Pessoa (10/1 kW) - 14 OCT, 2247 - ID heard on tape replay, thanks to Neil.
- 1230 BRAZIL, R. Guararema, ZYJ816, Sao Jose - 9 OCT, 2300 - good w/ many "Guararema" ID's after "A Voz do Brasil" program ended.
- 1240 VENEZUELA, R. Nacional, YV??, Punta Tumatey - 13 OCT, 0354 -Caught Venezuelan National Anthem. New Venezuelan powerhouse did not seem so powerful! Heard earlier the following evening with baseball commentary, no IDs.
- + 13 OCT, 2350-2359 - here w/ only fair signals with BB game between los Cardinales and los Tigres, Caracas mentions, and ads with prices in Bolivars. No ID. Reports are that LV de Venezuela is finally active. According to a Venezuelan reporter in PLAY-DX, this one is operating at 50 kW (not 500 kW yet). The transmitter is located at Punta Tumatey (Falcon State) according to an article reprinted from a Venezuelan newspaper in PLAY-DX.
- 1260 BRAZIL, R. Morada del Sol, ZYK688, Sao Paulo (50/25 kW) - 10 OCT, 0029 - local ads during break between their seemingly endless religious programs.
- + 13 OCT, 0200 - Neil listened to Jim's tape several times and picked out this ID.
- 1280 BRAZIL, Super Radio Tupi, ZYJ455, Rio de Janeiro (100kW) - 8 OCT, 2326 - PP football; very good.
- + 9 OCT, 2124 - With slogan "Tupi presenta ...".
- + 11 OCT, 2234 - PP talk by man, at monster level, totally dominant on the channel.
- + 13 OCT, 0108 - Man with mention of "Super", piano / voice-overs and "Tupi" ID fanfare at 0110. Powerful signal.
- 1290 BRAZIL, R. Clube Salvador, ZYH450, Salvador (10 kW) - 9 OCT, 0154-0200 - in well w/ PP talk & nice "Radio Clube do Salvador" ID at 0159. SIO 343
- + 13 OCT, 0224-0230 - Birthday music dedicated to a listener, call letter ID as ZYH450, a rare use of call letters by a Brazilian station. Building to nice peak with easy-listening music, canned ID, childrens' music and apparent live phone-in with joking host.

- 1300 BRAZIL, R. CBN, ZYH586, Fortaleza (10kW) - 8 OCT, 2241 - PP news, "C-B-N" ID. Over another ZY, SIO 333
 - + 8 OCT, 2332 - Woman reading PP news, ads at 2334. Good
 - + 11 OCT, 2110 - Heard with "CBN" ID, strong.
- 1300 BRAZIL, unID - 12 OCT, 0158 - Fair, "Brasil 2, Uruguay 0" soccer game update "patricinado Jack In The Box".
- 1308.5 ARGENTINA (t), R. Nacional, LRA42, Gualeguaychu - 9 OCT, 0352-0354 - presumed here w/ SS ballad, then faded. Carrier was cut at 0400:30.
 - 1340 BRAZIL (t), R. Sao Luis, ZYH886, Sao Luis (50/1 kW) - 13 OCT, 0134 -Tentative ID in mess.
- 1350 ARGENTINA, R. Buenos Aires, LS6, Buenos Aires (25/10 kW) - 9 OCT, 0344-0350 - SS religious ads for the "Iglesia Universal del Reno de Dios", local church event at 9:30, and address for donations "aqui en la Argentina". SIO 343
 - + 15 OCT, 0426 - religious telephone talk program, siren effects, and clear ID at 0427. No pips at 0430. Strong signal.
- 1360 BRAZIL, R. Guanabara, ZYJ464, Rio de Janeiro (10 kW) - 15 OCT, 0424 - On review of tape of religious program, one single ID was heard around this time.
- 1370 BRAZIL, R. Atual, ZYK766, Sao Paulo (100/20 kW) - 8 OCT, 2324-2334 -Brazilian "tropical" music, TC w/ R. Atual ID between each song, ad for aerobics gym at 2330. Over another ZY w/ football, SIO 333
 - + 12 OCT, 0450 - Clear ID noted in mess.
- 1375 ST. PIERRE ET MIQUELON, RFO (20 kW) - 11 OCT, 0213 - Easily heard during the day at our location.
 - + 13 OCT, 0540 - FF // RFI on 162 & 675.
- 1380 VENEZUELA, Ondas del Mar, YVNG, Puerto Cabello (10 kW) - 11 OCT, 0044-0055 - 2 stations in SS, dominant one is undoubtedly a Colombian but no ID's noted, underneath noted LA ballads and TC's between songs "Ondas del Mar dando la hora !". SIO 222
 - + 0330, 12 OCT - atop w/ lively SS music, and Ondas del Mar ID. Was hoping for Chile.
 - + 15 OCT, 0335 - ID during music program.
- 1380 COLOMBIA, RCN, HJEE, Tunja - 11 OCT, 0404 - Local announcement about traffic, clear "R-C-N". Briefly clear, but faded away quickly, SIO 342
 - + 12 OCT, 0500 - still looking for Chile, but this one atop w/ RCN La Radio de Colombia slogan.
- 1390.34 ARGENTINA, R. Universidad Nacional de La Plata, LR11, La Plata (10/2.5 kW) - 12 OCT, 0359-0601 - Classical music w/ no announcement until 0503:30 when a man in SS was heard w/ possible news, local weather at 0507, then bit of music and the transmitter went off. It was on again almost 2 minutes later, then had transcription pgms from Radio Nacional de Espana and Radio Naciones Unidas; brief fanfare, announcements, and news at 0558-0600 then a lecture taped in 1990 by Dr. ___ of the Department of Geology. Several mentions of Mexico noted. Fair to good on peaks with occasional 1390 slop using SE Beverage. This station had been reported in Europe on 1390.32 kHz ("JBO" in "Distance") SIO 232-1. Also this was reported in Distance \$9 by "GN", logged as "unID" at 2350 SEP 2 on 1390.32.
- 1400 GRENADA, Harbour Light of the Windwards, Carriacou (5 kW) - 11 OCT, 2240-2245 - "Sound of Salvation" religious drama, ended w/ promo as "the best of Christian enjoyment", then timecheck. Strong peaks over Brazilian (likely R. Rio AM) and occasional breakthrough of CBG-Gander.
- 1400 BRAZIL, R. Rio AM, ZYJ462, Rio de Janeiro - 10 OCT, 0100 - atop CBG/mess/growl w/ R. Rio AM ID. Best on Byan antenna with CBG nulled by termination.
 - + 14 OCT, 0701-0710 - PP announcer, then US music; R. Rio AM ID at 0710, followed by soft music.

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- 1400 URUGUAY, R. Zorrilla de San Martin, CX140, Tacuarembó (25 kW) - 12 OCT, 0256 - S/off heard with anthem and station ID
 - + 12 OCT, 0256-0304 - Frequency initially a mess w/ unID SS, CBG, and a Brazilian seemingly signing off, clearer at 0300:30 w/ xylophone theme and woman w/ ID: "CX1400, Radio Zorrilla de San Martin, desde Tacuarembó, Republica Oriental del Uruguay", Dixieland music, then same ID again w/ xylophone at 0303:30. Celeste, s/off announcements and anthem; again w/ clear ID, 0304, SIO 343. Jean had noted that this one is reported in Europe, which is why we tried for it.
- 1420 BRAZIL, R. Cultura, ZYL288, Sete Lagoas (5/1 kW) - 9 OCT, 2129-2304 - At 2129 music, some fairly slick, other selections pretty miserable, rustic stuff, "Cultura" at 2135 before an ad string, "A Voz do Brasil" news pgm at 2202. Man in PP at tune-in at 2230, then into Israeli-sounding vocal at 2233 followed by a Brazilian vocals. Echo announcement and guitar music at 2253, TC at 2256 and back to music across the hour. End of news at 2300 w/ canned ID: "Radio Cultura: musica, esportes, noticias" then Braz-pops. QRM from a domestic stn, SIO 332
 - + 13 OCT, 0019 - Heard well by everyone, but four R. Cultura outlets listed, however Neil dug out the definite ID on tape.
 - + 13 OCT, 0306 - peaking up huge after PP song w/ Cultura / R. Cultura ID's. Not much clue to location at first, but at 0306 a clear R. Cultura do Sete Lagoas ID again in very well. The station also uses Cultura AM slogans and plays mostly Brazilian music, some of it romantic and it mixes in an occasional US pop tune. Big signal for 1 kW.
 - + 14 OCT, 0414 - HUGE signal w/ full R. Cultura do Sete Lagoas ID, " musica... noticias... R.Cultura AM " and 1 kW mention.
 - + 14 OCT, 0743 - Found at powerhouse level with chatter by man, vocal selection with accordion; rooster crow wake-up at 0748 and mention of "Cultura". More accordion music with ad at 0757.
- 1430 VENEZUELA, R. Bahia, YVTP, Puerto La Cruz - 9 OCT, 0404 - atop others w/ R. Bahia ID.
- 1430 BRAZIL, R. Clube Paranaense, ZYJ200, Curitiba (25/10 kW) - 11 OCT, 2327 - Many mentions of Parana, Paranaense, and Curitiba. ID popped out of mess of three stations. Also in there was likely Radio Libertadora Mossoroense, about 10 tape minutes later with three mentions of "Mossoro".
 - + 14 OCT, 0506 - loud and clear w/ R. Clube Paranaense ID, into PP music.
- 1430 BRAZIL, R. Libertadora Mossoroense, ZYJ604, Mossoro - 12 OCT, 2241 - man in PP giving local news; atop presumed and later logged ZYJ200 (which runs all night; Mossoro seems to go off).
 - + 14 OCT, 0100 - R. Libertadora ID; atop ZYJ200.
- 1435.4 BRAZIL, R. Principe, ZYH637, Crateus - 9 OCT, 2324 - noted still off freq. w/ religious PP music and R.Principe ID.
 - + 14 OCT, 2138 - religious sermon in PP, at low modulation level w/ some hum present; carrier strong. Split frequency should be receivable at eastern USA shore sites during aurora.
- 1440 BRAZIL, R. AM 1440, ZYJ469, Rio de Janeiro - 12 OCT, 2244-2250 - a pest here w/ its "1440" ID's in PP, echoey announcements, then into vocal; especially strong / dominant at this time.
- 1470 BRAZIL, ZYJ616, Parelhas - 14 OCT, 2259 - atop growl w/ lively PP music and "Perelhas" sung ID, then timecheck and " .. en Parelhas" mention.
- 1470 BRAZIL (t), R. Vale do Paraiba, ZYJ481, Barra do Pirai - OCT 11 2132-2153 - Two stations rising and falling here, one with what sounded like a Brazilian version of country and western music, the other with a lengthy speech or sermon. The music station mentioned "Paraiba" a number of times. There is no station in that state,

- however there is a Paraiba river near Rio de Janeiro, so possibly "R. Vale do Paraiba".
- 1470.02 BRAZIL, unID site - 12 OCT, 2114 - Apparent religious Mass being aired with "Santa Maria's", then man with religious message in PP. Strong signal, slightly above nominal frequency; mixed w/ another Brazilian which was possibly Radio Vale do Paraiba.
- 1480 BRAZIL, R. Alvorada (t) - 9 OCT, 0357-0403 - Man and woman in PP w/ religious talk, ad for La Primavera over Vivaldi's "Spring", ID at 0402 sounded like R. Alvorada, but there are two stations of this name on 1480 ! Domestic QRM, SIO 343-2
- 1480 BRAZIL, unID stn - 11 OCT, 2159 - PP religious pgm ending, ID sounded like "Radio (word with K sound) Dois Mil" before fanfare announcing beginning of "A Voz do Brasil" news pgm. SIO 222
- 1480 BRAZIL, R. Maua Solimoes, ZYJ488, Nova Iguacu - 13 OCT - spent a lot of time here 0400-0500 as this was generally atop. Got nice taped ID at 0457 mentioning 1 kW and R. Solimoes, Nova Iguacu, Rio de Janeiro after Brazilian music. Announcer sounded as though he was talking with a potato in his mouth.
- 1490 BRAZIL, R. Icatu, ZYK769, Penapolis - 9 OCT, 0058 - Muffled PP s/off announcement, "Radio Icatu, Penapolis" discerned on tape when replayed w/ max treble. Sign-off without anthem, which seems to be the norm for Brazilians. SIO 242
- 1490 BRAZIL, ZYH246, Penedo - 14 OCT, 2151 - finally ID'ed after much listening to lost ID's in QRN w/ singing "Emissora Rio Sao Francisco" ID by woman; followed by PP music. This station was generally well atop an unID Brazilian that had religious programming.
- 1500 VENEZUELA, R. Dos Mil, YVRZ, Cumana (10/5 kW) - 13 OCT, 0849 - ID during music program.
- 1500 BRAZIL, unID's - 12 OCT, 2217 - Two Brazilian graveyarders here, dominant signal had dialogue in PP by two men, the other with easy-listening music; big band music on the predominant outlet at 2235 recheck.
- 1505 ANGUILLA, The Valley - 14 OCT, 2149 - to good peak w/ Caribbean music.
- 1509.7 BRAZIL (t), ZY1544, Redencao - 14 OCT, 0010 - PP talk through a loud growl assumed to be this: it has been logged on this frequency by the Swedes recently.
- 1520 BRAZIL, unID's - 12 OCT, 2220 - Two Brazilian graveyarders here, one with talk by man in PP; the other with vocal. Both fair with some slop from Saudi Arabia-1521.
- 1520 BRAZIL, R. Continental de Rio de Janeiro, ZYJ491, Rio de Janeiro (10/0.5 kW) - 14 OCT, 0418-0422 - well atop religious PP Brazilian and WWKB: PP "1520" mention, PP music, then woman w/ R. Continental ID and Rio mention. ID'ed by Neil from Jim's tape.
- 1530 BRAZIL, ZYH666, Campos Sales - 14 OCT, 0023 - man & woman in PP, then ID as "R. Tres Fronteiras". Soon lost in mess and QRM from R. Vatican.
- 1540 BAHAMAS, ZNS, Nassau (20 kW) - 15 OCT, 0005 - EE announcements concerning the Bahamas.
- 1550 BRAZIL, R. Gazeta d'Oeste, ZYJ606, Areia Branca - 9 OCT, 2200 -Good, mention of "futbol internacional de Sao Paulo", jingle ID into network news; 2300 Radio Nacional jingles at end of network program, then "Radio Gazeta de Areia Branca" ID.
- + 9 OCT, 2309 - noted in passing w/ R. Gazeta ID into PP music. This is one of the easiest graveyarders and they seem to be off from 0300 to 0800 as we usually get Guaruja here all night.
- + 11 OCT, 2113-2130 - PP news, ads, canned ID as "Radio Gazeta de Areia Branca" at 2130, fanfare and into vocal. SIO 343
- 1550 BRAZIL, unID - 14 OCT, 0300 - Fair, Mendosa jingle and mention, 1550 mention, rock music, possible Guaruja mentions.
- 1550 BRAZIL (t), R. Cristal, ZYJ315, Marmeleiro (1/.25 kW) - 12 OCT, 0045 -

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- Tentative, ID in graveyard mess.
- 1550 BRAZIL, R. Guarujá, ZYK590, Guarujá Paulista (5/1 kW) - 12 OCT, 03486 0502 - Several "Guarujá" shouted IDs, mention of Cadena Cristi.
- 1570 BRAZIL, R. Sertão Central, ZYH621, Senador Pompeu (1/0.25 kW) - 14 OCT, 0759 - Decent signal with strong open carrier, sign-on w/ music, man w/ opening ID as "R. Sertão Central", further announcements and another ID and into music at 0801 when partially covered with frequency announcement of an unID Brazilian.
- 1570 BRAZIL, unID's - 11 OCT, 2320 - Varying poor to excellent signal, phrase sounded like "show da noite", "Radio __ Principal" ID.
 - + 12 OCT, 2117 - Two unID Brazilian graveyarders fighting it out, each with good signals: one with rapid-fire male announcer between vocals, the other with a soccer match.
 - + 13 OCT, 0206 - Trumpet fanfare and music with interjections by man in PP with possible "Libertad" station reference at 0210 - 2 listed candidates.
- 1572.6 unID het - 14 OCT, 2115
- 1579.8 BRAZIL, unID - 11 OCT, 2301 - PP talk by man and good signal; some slop from another unID ZY on nominal 1580, also a good signal.
 - + 12 OCT, 2135 - These same two channels again occupied with good signals: man announcer with vocals on 1579.8; fast-paced announcer on 1580 with mention of frequency at 2138.
- 1590 BRAZIL, R. Santa Cruz AM, ZYJ614, Santa Cruz (1/0.25 kW) - 11 OCT, 2304, 2355-2358 - in well, atop others w/ local mentions at 2304 and again loud and clear with a long ad string for local businesses 2355-2358 after Brazilian music. This was one of the strongest Brazilian graveyarders. <R>
 - + 12 OCT, 2130 - Talk, maybe news by man to 2134 when clear ID, further talk with local mention. Very good with another unID Brazilian well below.
- 1600 PUERTO RICO, R. Luz, WLWZ, Bayamon (5 kW) - 9 OCT, 0256 - good w/ call ID in SS and Puerto Rico mention.
 - + 15 OCT, 0309 - With call letter and slogan above WUNR.
- 1610 ANGUILLA, Caribbean Beacon, The Valley - 11 OCT, 0335 - With Australian preacher, // 690.
 - + 14 OCT, 2203.
- 1700 BRAZIL, Carajas - 12 OCT, 0636, "CRJ" in Morse code.

*** COUNTRIES LOGGED ON THE OCTOBER 1995 NEWFOUNDLAND DXPELITION ***

Some frequencies may have more than one station per given country: see main loggings section for detail.

1)Albania	) 1089 1395 1458
2)Algeria	) 531 549 576 666 891 981 1422 1544
3)Angola	) 944 1088 1114.87 1232 1313 1367 1502
4)Anguilla	) 690 1505 1610
5)Antigua & Barbuda	) 620 1160
6)Argentina	) 789.9 870 910 950 990 1030 1070 1120
	) 1190 1308.5(t) 1350 1390.34
7)Ascension Island	) 1485
8)Azores	) 693 836 837 1259 1503 1566
9)Bahamas	) 1540
10)Barbados	) 789.8 900
11)Belarus	) 1566
12)Belgium	) 927 1188 1512
13)Benin	) 1475.1
14)Bermuda	) 1160
15)Bosnia - Hercegovina	) 612
16)Botswana	) 972

- 17)Brazil) 570(t) 600 690 700 720 730 740 750
-) 760 780 810 820 840 860 880 890
-) 900 940 960 979.7 1000 1010 1030
-) 1040 1060 1080 1100 1130 1140 1150
-) 1170 1180 1190 1200 1220 1230 1260
-) 1280 1290 1300 1340(t) 1360 1370
-) 1400 1420 1430 1435.4 1440 1470
-) 1470.02 1480 1490 1500 1509.7(t)
-) 1520 1530 1550 1570 1579.8 1590 1700
- 18)Canada) many (locals 590 640 740 800 930 1210)
- 19)Cameroon) 1152
- 20)Canary Islands) 621 747 837 882 1008 1098 1179 1269
- 21)Colombia) 600 650 770 810 990(t) 1000 1090 1170
-) 1380
- 22)Croatia) 1125 1134
- 23)Cuba) 860 960 1180
- 24)Cyprus) 1323
- 25)Czech Republic) 954 1287
- 26)Denmark) 1062
- 27)Dominican Republic) 860
- 28)Egypt) 819 864 1107 1593
- 29)England) 648 693 801 837 882 909 945 954 963
-) 1035 1053 1089 1116 1125 1170 1197
-) 1215 1224 1233 1242 1260 1296 1359
-) 1458 1476 1530 1548 1616
- 30)France) 603 675 711 792 864 945 1071 1161 1206
-) 1350 1377 1404 1467 1494
- 31)French Guiana) 1070
- 32)Germany) 756 783 972 990 1017 1188 1269 1323
-) 1422 1593
- 33)Gibraltar) 1458.2
- 34)Grenada) 535 1400
- 35)Guadeloupe) 640
- 36)Guyana) 760.05
- 37)Hungary) 1188 1251
- 38)India) 1566
- 39)Iran) 1026 1121(t) 1206 1332(t) 1404(t) 1566
- 40)Ireland) 567 612 729 1278
- 41)Isle of Man) 1368
- 42)Israel) 657 1206
- 43)Italy) 846 900 936 999 1062 1116 1332 1449
- 44)Kenya) 747 954(t) 1044 1233 1386
- 45)Kuwait) 1548
- 46)Lesotho) 1197
- 47)Libya) 648 711 1251
- 48)Luxembourg) 1440
- 49)Macedonia) 810
- 50)Madeira Islands) 603 1125
- 51)Malta) 1557
- 52)Mauritania) 1349
- 53)Moldova) 999(t) 1494
- 54)Montserrat) 885
- 55)Morocco) 594 612 711 819 909 1044 1053 1080
-) 1325 1404 1492.7
- 56)Mozambique) 872
- 57)Neth. Antilles) 800
- 58)Netherlands) 675 747 1008 1224 1615.82 1620
- 59)Nigeria) 1170 1395(t)
- 60)Northern Ireland) 1341
- 61)Norway) 1314 1611

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62|Oman) 1242 1413
63|Paraguay) 920
64|Poland) 1206
65|Portugal) 594 666 783 828 963 1170 1251 1431
66|Puerto Rico) 580 630 1600
67|Romania) 855
68|Russia / Kaliningrad) 1386
69|Saint Kitts & Nevis) 555 830 895
70|Saint Lucia) 660 840
71|Saint Pierre et Miquelon) 1375
72|Sao Tome & Principe) 1530
73|Saudi Arabia) 549 594 648 765 900 1440 1512 1521
74|Scotland) 810 1035 1548
75|Senegal) 1222 1286 1367
76|Serbia (Yugoslavia)) 684
77|Slovakia) 1098 1287
78|Slovenia) 918
79|South Africa) 576(t) 846
80|Spain) 531 540 558 567 576 585 603 639 657
) 684 729 738 747 756 774 792 801 810
) 828 837 855 864 873 918 936 954 972
) 990 999 1008 1017 1026 1044 1071 1080
) 1098 1107 1116 1125 1134 1143 1152
) 1179 1215 1260 1269 1287 1296 1305
) 1314 1341 1359 1413 1485 1503 1539
) 1575 1584 1602
81|Sudan) 1296
82|Sweden) 1179
83|Switzerland) 765
84|Syria) 783 828
85|Togo) 1394.2 1502.4
86|Trinidad & Tobago) 610 730
87|Tunisia) 630 963
88|Turkey) 954 1017 1062
89|Turks & Caicos Islands) 532 1020
90|Ukraine) 972 1242 1404 1567
91|United Arab Emirates) 1476 1539(t)
92|USA) many - most northern / eastern clears good
93|Uruguay) 770 810 850 890 1090 1400
94|Vatican) 1530 1611
95|Venezuela) 550 600 610 640 660 670 700 720 740
) 750 760 780 820 880 970 1020 1060
) 1080 1110 1140 1240 1380 1430 1500

*** TENTATIVES ***

)Qatar) 954

*** unID's ***

)unID TA) 665 674 774 819 846 907.9 963 1143 1368
) 1386 1404 1494.2 1503 1528(clandestine)
) 1538.9 1593 1685 1698

)unID TA JAMMER) 1125 1530 1537a 1565.8

)unID Pan-American) 590 800 1040 1572.6

Abbreviations commonly used:

- AA = Arabic
- EE = English

FF = French
 GG = German
 II = Italian
 PP = Portuguese
 RR = Russian
 SS = Spanish
 // = parallel frequency
 C&W = country-western music
 CW = continuous-wave (code)
 DJ = disk jockey
 het = heterodyne, beat note
 ID = station identification
 IS = interval signal
 LA = Latin-American
 o/ = over, atop
 o/u = over / under (alternating)
 QRM = interference
 R. = radio
 SAH = sub-audible heterodyne (beat)
 s/off = sign-off
 s/on = sign-on
 SIO = strength/interference/overall merit
 (t) = tentative reception claim
 TA = Trans-Atlantic
 TC = time check
 u/ = under
 unID = unidentified
 V. = Voice (of)
 w/ = with
 YV = Venezuelan station
 ZY = Brazilian station

NFLD-IV - PROPAGATION CONDITIONS (from David Clark)

It struck me that it might be worth tabulating solar/geomagnetic conditions during the period bracketing our exploits. Perhaps the fact that conditions were moderately active preceding the start of the DXpedition and for much of the ensuing week explains absence of some far Northern Europe (e.g. Finland, Faroes), albeit Norway and Sweden were OK. I guess we would say that conditions weren't distinctly auroral, however, given good presence of most of Europe, yet decent representation of southern tier Africans and plethora of deep South Americans suggests some degree of trans-equatorial enhancement too.

Equinoctial season could be part of the answer; I think the relatively active conditions through much of our listening period were a factor too. Most of this was attributable to a recurring coronal hole disturbance.

Note that K index was = 4 at 0000 on 13 OCT, the first evening of AIR reception (initial strong presence noted circa 2345 on the 12th) and I feel that was the strongest showing of all, even though it was present on subsequent evenings too.

It's also interesting that solar flux climbed up to a peak of 92 on 12 OCT. There was an M1 solar flare at 0605 on the 12th, followed by an M4 flare at 0504 on the 13th.

By comparison, conditions actually became quiet for our last two days; I wonder how that correlates to our 14th reception of South Africa-846 and our subsequent Kenyan opening following on UT evening of the 15th?

The sum of it all is that I don't see any distinct patterns but this being my first Newfoundland experience, I have nothing to compare against. Perhaps Jean or Mark might have further comments? I recall Mark's initial post-DXpedition observations seeming to suggest that conditions as reflected

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in reception patterns were somewhere "in the middle".

Anyway, I've tabulated this data in case anybody thinks it's worth including as a point of reference for others reading about our results. I meant to record the estimated Planetary 'A' indices as well but I forgot to get them off the Boulder bulletin board in time. For the short range condition indicator, I get the Ottawa K indices from the Geological Survey boys in Ottawa - they seem more meaningful for us than the Boulder K values. Short term conditions were quite volatile, especially during the darkness hours, at least up until the 13th.

Date	SFlux	Boulder A	Ottawa K	00-03-06-09-12-15-18-21
8 OCT	74	19	4	3 3 5 5 3 4 2
9 OCT	76	20	1	3 5 4 3 4 2 4
10 OCT	82	12	2	4 5 1 1 1 0 0
11 OCT	89	12	1	4 4 2 2 2 2 1
12 OCT	92	24	3	4 5 4 3 2 1 2
13 OCT	88	10	4	1 2 2 2 2 1 1
14 OCT	87	04	2	1 1 1 1 1 1 2
15 OCT	83	05	2	1 0 1 2 2 0 2

Approx. NF sunset time (12 OCT) = 2045 UTC / 6:15 PM local
Approx. NF sunrise time (12 OCT) = 0950 UTC / 7:20 AM local
Coordinates of Cappahayden site = 46.88 N / 52.96 W



**International Radio Club
of America**