

06/76-6/77



IRCA FOREIGN LOG VOLUME SIX

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The IRCA Foreign Log is published by the International Radio Club of America.

Introduction

To the casual radio listener, it might seem impossible to receive AM radio stations from foreign countries. But not only is it possible to receive them, it is also possible for the experienced broadcast band DXer to log over one hundred countries throughout the world. Even the novice finds it relatively easy to log twenty countries from the Caribbean and Latin America, and perhaps from Europe, Africa, Asia, and the South Pacific. When ionospheric conditions are right, it becomes possible for a DXer to log stations from practically every continent.

"DX Worldwide" is the foreign column of DX Monitor, the bulletin of the International Radio Club of America, a club devoted to broadcast band DXing. Each issue finds DXers throughout North America reporting their loggings of foreign stations. These reports provide valuable clues about times of reception, programming, and interference. Many dedicated DXers save their copies of DXWW for months and even years to use as reference material in tracking down elusive stations or to help them identify mystery stations. The process of checking back through past issues can, however, be a tedious one. With this in mind, Father Jack Pejza, then the editor of DX Worldwide, developed and compiled the first IRCA Foreign Log in 1972. The log has appeared every year since then.

The IRCA Foreign Log is not intended to be a complete list of all foreign broadcast band stations in the world. It is a list of foreign stations which have been heard in North America. It is not a replacement for reference works such as the World Radio-TV Handbook, but is an additional work which should aid both the novice in identifying those strange stations he hears, and the veteran in providing help in looking for additional stations to add to his collection.

The format used in this log is similar to that used in DXWW. The reports are almost as they appeared in DXWW as far as content is concerned. Reports are divided into three sections according to area of origin; Pan America, Atlantic (Europe and Africa), and Pacific (Asia and Oceania). Within each category, stations are arranged by frequency, then by country, then by date and time of reception. The name or abbreviation of each contributor's state, province, or country is given after his name, in order to help the reader determine if a particular station is being heard in his vicinity. Many abbreviations are used in this log in order to conserve space. A list of these abbreviations appears elsewhere in this book.

This log covers the period roughly from June 1976 to June 1977. The season was the best in several years for medium wave DX. Numerous loggings were made of European stations from western North America and many rare receptions were made of European and African stations from eastern North America and Asian stations from western North America. This was due primarily to the eleven year sunspot cycle reaching a minimum during this period; the next few seasons, although promising, won't be quite as good, due to increasing solar activity.

A bright spot on the horizon, however, is the moving of all stations outside North and South America to a standard 9 kHz frequency spacing. Some stations have already made the move, but most stations won't change frequency until November, 1978. Although the change will be minimal for most of the stations involved, usually no more than a 4 kHz shift, the impact for foreign DXers will be great. East coast DXers have become accustomed to listening to trans-Atlantic stations on 9 kHz spacings; they will find some stations and countries become easier or more difficult to hear as a result of the moves. However, west coast DXers will have even more fun! Stations in the far east and Oceania have been using the same 10 kHz spacing American stations have been using; however, the new frequency assignments will suddenly open up new avenues of previously undreamed-of DX targets. We can hardly wait!

Geomagnetic Indices

Various indices of geomagnetic and auroral disturbances in the earth's magnetic field have come to be recognized as excellent indicators of high latitude trans-Atlantic and trans-Pacific conditions. To quote from Gordon Nelson, the acknowledged leader in the area of MW propagation research among DXers:

"High values of A_{fr} (the Fredericksburg index) occur during a heavy influx of electrically charged particles into the upper atmosphere as a result of certain types of solar disturbances. The medium wave signal absorption produced by one of these events is strongest in high latitudes and persists for some days following the initial particle influx. Values of A_{fr} above 20 are inevitably associated with high levels of absorption along high latitude TA and TP paths. Very high levels (above 40) are usually accompanied by E-layer blanketing over North America and Europe; on such a night signals from the south will appear to dominate most channels. Long periods of geomagnetic/auroral activity are necessary but not sufficient to guarantee excellent high latitude TP and TA reception -- other ionospheric effects such as the "Midwinter Anomaly" may effectively mask what would otherwise be periods of excellent reception on high latitude paths during periods of continuing low geomagnetic/auroral activity" (DX News, May 13, 1972)

In addition, observations made during the past few DX seasons suggest that high latitude TA reception is enhanced just prior to the onset of a major geomagnetic disturbance.

Since this log is a record of foreign receptions over the course of one year, a list of the geomagnetic indices for that year follow. Hopefully they will serve as a guide for those correlating geomagnetic activity with certain types of reception conditions and those seeking to gain more insight into factors governing different types of DX conditions

Radio propagation forecasts and conditions are reported at 18 minutes past each hour over National Bureau of Standards station WWV on 2.5, 5, 10, and 15 MHz. The broadcasts contain not only the A_{fr} index but the K index and self-explanatory descriptions of solar activity and geomagnetic field conditions.

The K index is also an indication of magnetic conditions. It can be more useful than the A index, since it is updated every 6 hours, while the A index is undated only once per day. The following table shows the approximate relationship between the A and K index values:

A	K	
0-1	0	quiet
2-4	1	quiet
5-7	2	quiet
8-14	3	unsettled
15-29	4	active
30-49	5	minor geomagnetic storm
50+	6	major geomagnetic storm

The A-index values for the period from September 29, 1976 to August 31, 1977 are as follows:

Sept 29 - Oct 5	9	9	11	19	7	6	12
Oct 6 - Oct 12	11	4	6	7	7	7	13
Oct 13 - Oct 19	7	5	26	24	30	19	6
Oct 20 - Oct 26	8	9	5	5	6	3	3
Oct 27 - Nov 2	9	4	3	10	23	10	7
Nov 3 - Nov 9	4	2	2	2	2	4	7
Nov 10 - Nov 16	19	16	20	26	15	6	5
Nov 17 - Nov 23	5	3	8	6	2	3	2
Nov 24 - Nov 30	3	9	7	9	1	6	8

Dec 1 - Dec 7	6	3	2	11	6	4	14
Dec 8 - Dec 14	21	14	10	13	12	5	2
Dec 15 - Dec 21	2	9	8	12	7	3	4
Dec 22 - Dec 28	12	4	6	8	55	5	7
Dec 29 - Jan 4	35	11	9	11	3	6	8
Jan 5 - Jan 11	12	9	5	5	6	3	12
Jan 12 - Jan 18	9	4	15	11	6	5	8
Jan 19 - Jan 25	7	9	3	5	6	8	7
Jan 26 - Feb 1	2	2	8	12	25	14	7
Feb 2 - Feb 8	16	10	3	9	10	15	11
Feb 9 - Feb 15	20	7	11	7	9	6	6
Feb 16 - Feb 22	5	9	14	7	5	6	4
Feb 23 - Mar 1	17	11	10	5	1	7	7
Mar 2 - Mar 8	3	2	3	3	4	3	9
Mar 9 - Mar 15	33	15	15	21	11	14	3
Mar 16 - Mar 22	4	7	10	4	11	7	5
Mar 23 - Mar 29	12	8	10	11	8	9	11
Mar 30 - Apr 5	4	3	2	4	10	22	13
Apr 6 - Apr 12	30	35	21	18	10	6	6
Apr 13 - Apr 19	5	9	11	14	10	9	34
Apr 20 - Apr 26	25	10	6	5	11	22	4
Apr 27 - May 3	5	3	17	9	12	44	19
May 4 - May 10	14	9	9	6	1	6	8
May 11 - May 17	12	17	6	8	10	16	16
May 18 - May 24	9	4	10	2	11	6	10
May 25 - May 31	7	2	3	9	3	5	7
June 1 - June 7	8	12	7	6	8	7	5
June 8 - June 14	5	5	7	4	4	5	9
June 15 - June 21	4	7	10	10	7	8	6
June 22 - June 28	8	9	8	6	6	7	10
June 29 - July 5	9	7	20	10	7	10	5
July 6 - July 12	11	16	15	13	15	12	5
July 13 - July 19	11	23	12	15	10	7	19
July 20 - July 26	28	15	15	8	5	5	5
July 27 - Aug 2	5	5	49	28	8	6	6
Aug 3 - Aug 9	5	10	26	22	19	17	17
Aug 10 - Aug 16	12	28	18	11	11	13	9
Aug 17 - Aug 23	22	11	18	8	5	5	8
Aug 24 - Aug 30	9	17	13	15	7	6	5

ABOUT THE IRCA

The International Radio Club of America was founded in 1964 by a group of DXers in Denver who were interested in DXing the AM Broadcast Band (540 to 1600 kHz). Since that time, the club has grown to over 400 members in the U.S., Canada, and many foreign countries.

The IRCA publishes its bulletin, DX Monitor, 34 times a year; weekly during the winter and fall and monthly during the summer. A typical issue of DXM is divided into three main sections: "DX Forum" in which members discuss DX related topics, "DX Roundup" where members report their latest domestic catches, and "DX Worldwide" where members report their foreign DX. The bulletin also contains information on special DX tests, a want-ads column, information on station formats and changes in call letter and frequency assignments, plus technical and special features articles on stations, receivers, antennas, and the like.

The IRCA hosts an annual convention and members have numerous local gatherings throughout the year. The club has a democratic government with a president, secretary-treasurer, and board of directors elected every two years.

Membership is open to any person in any country with an interest in broadcast band DXing. Dues are \$12.00 per year in the U.S., Canada, and Mexico; \$13.50 to the rest of the world. Dues cover the costs of printing and postage for DX Monitor. Sample copies of the bulletin are 50¢ each. Dues and sample requests can be sent to IRCA, P.O. Box 26254, San Francisco, CA 94126. If you aren't already a member of the IRCA, we invite you to write today and become a part of the best BCB DX club around!

The First Twenty or More

by Bruce Portzer
(with a little help from Mark
Connelly, Richard Eckman, Art
Peterson, and Randy Seaver.)

A problem inherent in logs of this type, as well as columns like DX Worldwide, is that it is often difficult for the novice DXer to determine which stations or countries are the easiest to hear from his or her location. Oftentimes, the easiest stations are among the least frequently reported, since experienced DXers may tune right past them without giving them a second thought. At the same time, some stations reported by many DXers were reported because of unusual conditions or other circumstances causing them to seemingly be easier to hear than they really are.

So with these thoughts in mind, I contacted several of the top DXWW reporters from the past couple seasons in the two areas of the U.S. where foreign DX is most prevalent -- the west coast and the northeast -- and asked them to compile a list of what they thought were the twenty easiest to hear countries in their location. Most of them could not stop at twenty and wound up with a much larger list!

Although the two lists which follow were made up by DXers in the northeast and on the west coast, they should also be useful for listeners in other parts of the U.S. and Canada. DXers in the Rocky Mountain area should find the west coast list of some interest and DXers in the south and midwest regions of the U.S. should benefit from the northeast list. The main differences will be that, due to geographical considerations, Latin American stations will be more prevalent.

Programming information on the listed stations can be found in the loggings sections of this book.

THE TOP FORTY COUNTRIES IN THE NORTHEASTERN U.S.

(underlined stations are the easiest for a given country)

1. Cuba - CMKV-600, CMQ-640, and many others
2. Netherlands Antilles - FJB-800
3. Colombia - HJED-820 and others
4. Venezuela - YVLL-670, YVKS-750, YVOZ-1200, and others
5. Senegal - Dakar-764
6. Morocco - 612, 818, and 935
7. Surinam - SRS-725
8. St. Kitts - R. ZIZ-555, R. Paradise-1265
9. Algeria - 529, 548, 575
10. Portugal - 665, 719, 755, 782, 1034, 1061
11. West Germany - 1016, 1268, 1538, 1586, 1602
12. Monaco - TWR-1466
13. Dominica - R. Jumbo-545, R. Dominica-595
14. Antigua - ZDK-1100, CRL-1165
15. Andorra - R. Andorra-701, Sud R.-818
16. Haiti - 4VEC-1035
17. Spain - 584, 638, 737, 773, 809, 854, 872, 917, 989, 1025, 1385
18. Albania - 1088, 1214, 1394, 1457
19. Great Britain - 647, 809, 908, 1088, 1214, 1295
20. St. Pierre & Miquelon - 1375
21. Belize - 834
22. Guinea - Conakry-1403
23. France - 944, 1205, 1376, 1554
24. Costa Rica - TIW-775, TIOS-825
25. British Virgin Islands - ZBVI-780
26. Dominican Republic - HILR-860
27. El Salvador - YSS-655
28. Luxembourg - 1439
29. Puerto Rico - WKAQ-580, WHOA-870
30. México - XEW-900, XEQ-940, XERH-1500
31. Libya - 539

32. Austria - 1475
33. Cayman Islands - 1205, 1555
34. Switzerland - 1562
35. Italy - 845, 1115
36. Turkey - 1016
37. East Germany - 1043
38. Montserrat - 885
39. Holland - 746
40. Upper Volta - 746

Mark also compiled a DX Timetable, to help you know what to listen for at a particular time:

One hour before LSS to LSS - (coastal locations) - Senegal-764, Algeria-529/548, Morocco-818/935/612, Guinea-1403, England-647, Monaco-1466, Albania-1394.

LSS to one hour after LSS - The stations listed above, plus Portugal-665/719/757/782/1034/1061, Spain-584/638/737/773/809/917/989/1025/1385, Andorra-818, France-944/1205/1376/1554, Libya-539, Italy-845/1115, Albania-1088/1214/1457, St. Pierre-1375, Upper Volta-746.

One hour after LSS to 2 hours after LSS - PJB-800, Venezuela-670/750/1200 SRS-725, St. Kitts-1265/555, Dominica-545/595, Antigua-1165, Haiti-1035, ZBVI-780, Montserrat-885.

Two hours after LSS to 0400 GMT - Cuba-640/600/720/780/et al, Colombia-820 & others, Belize-834, Costa Rica-775/825, Dominican Republic-860, YSS-655, WKAQ-580, Cayman-1555/1205.

0400 GMT to one hour after European sunrise - Algeria-548/529, West Germany-1602/1586/1538/1268, Monaco-1466, Andorra/Morocco-818, Spain-737/854, Albania-1088/1214/1394/1457, Great Britain-647/809/908/1088/1214/1295, Guinea-1403, France-944/1205/1376/1554, Luxembourg-1439, Austria-1475, Portugal-719, Switzerland-1562, Italy-845/1115, Turkey-1016, East Germany-1043, Holland-746.

One hour after European sunrise to local sunrise - Belize-834, El Salvador-655 (when on), Mexico-900/940/1500. West coast U.S./Canada occasionally heard, best are KFI-640 & KNX-1070. Exceptional winter conditions may yield KORL-650.

Local sunrise to one hour before LSS - Hit the shortwave bands for clues to propagation patterns.

THE TOP TWENTY (AND THENSOME) FROM THE WEST COAST

Mark and Richard did not have too much disagreement as to the order of listing. Unfortunately Randy, Art, and myself could not agree so easily. For example, I ranked Nicaragua as #2, Randy listed it as 16, and Art ranked it as #24. So what I wound up doing was averaging the three together and listing, in parentheses, the rankings given by myself, Art, and Randy, respectively.

1. Mexico - (1,1,local) - Take your pick: XEWA-540, XERPM-660, XETRA-690, XEROK-800, XEMO-860, XEGM-950, XED/XEG-1050, XEPRS-1090, XESM-1470, XERF-1570, XEDM-1580 are all heard well up and down the coast.
2. Japan - (6,2,4) - NHK outlets on 750, 830, & 870 are the strongest, audible 0900-1400 Sept-Nov & Feb-April. Other NHK & commercial outlets include 670, 700, 770, 840, 880, 890, 1180, 1310, & 1440.
3. Hawaii - (3,4,5) - KORL-650, KIKI-830, and KPOI-1040 are the easiest. KMVI-550, KGU-760, KAIM-870, and KHVH-990 are other good bets.
4. North Korea - (7,6,3) - 655 is the easiest. Other outlets include 625, 635, 735, 785, 850, 820, and 877.
5. Cuba - (4,5,9) - 880 is the easiest, heard nightly after KRVN s/off. 640, 590, 600, 720, 760, and 1560 are also heard depending on QRM.
6. China - (10,9,6) - 835 & 1040.
7. U.S.S.R - (8,8,10) - Best during Sept-Nov & Feb-April. 647 & 840 are the most consistent. 548, 575, 584, 665, 782, & 1376 also good bets.
8. Belize - (11,19,1) - 834.
9. Colombia - (12,12,8) - Depending on the QRM in your area, try for HJCY-810, HJCK-700, HJBI-840, HJCE-890, HJJR-1005, or HJJR-1005.
10. Netherlands Antilles - (Not listed, 7, 7) - PJB-800.
11. Costa Rica - (9,10,19) - TIOS-825 is the easiest. Also watch for TIHB-700 and TIW-775.
12. Alaska - (5,3,not listed) - KFQD-750 is easy in the Northwest & Northern California during the fall months. KFAR-660, KYAK-650, and KICY-850 are also good bets. Alaska is more difficult in S. California.
13. Gilbert Islands - (17,22,12) - VSZL-844.
14. Nicaragua - (2,24,16) - YNX-750 is by far the easiest LA stn in

Seattle, dominating 750 almost every evening of the year, but is somewhat harder to hear farther south. YNOW-540 is also possible at 1000 s/on.

15. Venezuela - (14,19,11) - YVOZ-1200 is widely hrd MM's w/WOAI off.
16. Cayman Islands - (Not listed,21,2) - R. Cayman-1555. 1205 also.
17. El Salvador - (15,17,20) - YSS-655.
18. New Zealand - (13,26,18) - Best heard Sept-Oct, March-April, and during the summer months. 2YC-660 and 1YC-880 are the easiest. Also look for 1YA-760, 1YZ-860, and 1ZD-1000.
19. South Korea - (16,28,13) - HLKA, wandering back & forth from 705 to 715, is the easiest. Also heard are HLDA-1570, HLKY-840, HLKI-890, and HLKB-890, usually with QRM from other Asians on their frequencies.
20. Australia - (18,25,17) - Best heard Sept-Oct, March-April, and the summer months after the dominant stations to the east are gone due to LSR. Outlets to look for include 2NR-700, 2BL-740, 3LO-770, 3GI-830, 4RK-840, and 5AN-890.

Honorable mention: Other countries which aren't all that difficult include Sabah (1475), Haiti (1035), Guatemala (850, 880, 1188, 1210), Dominica (545), St. Kitts (1265), Phoenix Islands (1385), Panamá (840, 860, 890), Puerto Rico (1560), Perú (854, 1010), Surinam (725), Ecuador (540, 995), Chile (1180), and Antigua (1165).

As a couple of final precautions, the rankings were made are, of course, the opinions of only a few individuals. Depending on your location, you may find some stations easier or more difficult to hear than the preceding rankings would suggest. Just the same, they should give you some idea what to try for for those first few foreign catches. Also keep in mind that most stations outside North and South America will be changing frequency by late next year and, as a result, could become easier or more difficult to hear than at present.

My thanks to Mark, Richard, Art, and Randy for their information and help in preparing this article.

PUBLICATIONS

World Radio TV Handbook (WRTH). One of the most useful publications for the serious foreign DXer. Published annually, it lists all LW, MW, SW, and TV stations in the world, along with their addresses, QSL policies, schedules, frequencies, powers, and other information. Check with Gilfer Associates, P.O. Box 239, Park Ridge, N.J. 07565 for latest info.

Radio Amateur's DX Guide. Contains great circle charts centered on various U.S. cities, great circle bearing and distance tables, a time conversion table, and postal information. Available at many amateur radio supply stores. Price is \$2.50.

DU MW Guide. Lists, by frequency, stations in Australia, New Zealand, Papua New Guinea, and Indonesia. Includes s/on and s/off times, transmitter sites, call signs, and languages. Cost is 6 IRCs or US\$2.00 for airmail delivery anywhere in the world, or 4 IRC's, or US\$1.00, for sea mail delivery anywhere in the world. Available from ARDXC, 3 Kadana St., Oak Park, Victoria, 3046, Australia.

North American Radio-TV Station Guide. Also known as the Jones log, the book contains listings of stations in the U.S., Canada, and the Caribbean arranged by frequency, location, and call letters. AM, FM, and TV stations are all included. Available at many radio parts stores.

IRCA Reprints. The IRCA has available a wide variety of reprints of articles from past issues of DX Monitor. Topics include foreign and domestic DX, receivers, antennas and listening techniques. The small fee covers the costs of printing and postage. For a list of available reprints, send an SASE to IRCA Goodie Factory, P.O. Box 17088, Seattle, WA 98107.

Pan American Loggings

- 525 COSTA RICA, Cartago, TICAL, probable R. Rumbos ID heard 0345 12/12. Severe interference from beacon "UUP" Ottawa. (Stanbury, ON) (see also 526-ed)
- 526 COSTA RICA, Cartago, TICAL, R. Rumbo noted w/SS talk against 529 het 0507 4/7. (Connelly, MA) (see also 525-ed)
- 535 GRENADA, St. George's, R. Grenada, poor-fair w/woman announcer then interspersed music 0113 11/6. (Connelly, MA)
+11/24 1010 weak signal was in poor w/very mushy audio. (Korinek, CA)
+To fair peaks over CBT/Latins-540 slop w/Caribbean EE talk 0048 2/6. (Connelly, MA)
- 535 ? UNID, SS station here w/man singing Mexican type music 11/15 at 0745. (Gerardi, IL) (XEWA has been known to make mysterious appearances here at times-ed)
+0203 2/14 someone sounding male SS o/u noise, possibly Grenada. (Lankford, TX)
- 540 COLOMBIA, Bogotá, HJKA, 0755 2/26 tentatively the one w/"...la R. de Colombia" as I tuned past. (Lankford, TX) ("la R. de Colombia" is the slogan of the RCN network, of which HJKA is an affiliate-ed)
+Got a good tape of this w/IDs beginning 0859:30 - 5 chimes, followed by "R. Horizonte, desde Bogotá, R-C-N, la R. de Colombia", easy listening mx w/few IDs 3/21. (Oliphant, AB)
- 540 MEXICO, San Luis Potosí, S.L.P., XEWA, 1208 2/6 "I Spy" theme, weak signal, man and woman announcers alternating. (Aden, OR)
+La Voz de América Latina, 4/27 0328 in good w/time check, announcements, mx theme, then nx. (Orr, CO)
- 540 NICARAGUA, Managua, YNOW, R. Corporación s/on 11/15 0959 with anthem, then announcement. (Seaver, CA)
+"R. Corporación" ID heard 1015 11/22 after Latin mx. Very murky audio. (Hall-Patch, BC)
+Heard 1029 11/22 w/man and woman talking and "R. Corporación" ID. (Orren, WA)
+Good w/"R. Corporación" ID 1020 12/13. (Orren, WA)
+12/21 0430-0440 w/SS announcements and news, frequent IDs as "R. Corporación" and location, no mx. Fair-poor signal w/WDAK interference. (Thomas, FL)
+W/ID as "R. Corporación" 1019 1/28, lots of static and bad audio making ID difficult. Fast Latin mx, no sign of Mexican. (Oliphant, AB) (XEWA is occasionally all night but normally is off until around 1200. YNOW s/on is 1000 daily-ed)
+2/16 1020 in weak but definite "R. Corporación" ID w/other talk and typical Central American mx. (Korinek, CA)
- 540 ? UNID, SS 1015-30 2/28 w/slow mx. Good at times w/splash from KSFO-560 but no IDs heard. Could this be Nicaragua? (Peterson, CA) (YNOW most likely-ed)
- 545 DOMINICA, Roseau, R. Jumbo has moved here from 1150. (SCDX)
+"R. Jumbo" very good, well o/noise w/Reggae show and FF talk, most songs in EE 0100-0115 7/11. Some sort of coastal enhancement here as this station is never heard this well in west suburbs of Boston. (Connelly, MA)

- t +0640 8/18 must be the source of hefty signal w/occasional bits of audio. Never noted anything this strong on this frequency before. (Newell, BC)
- +Excellent w/FF/EE rr format; wierd pseudo aurora 0005 9/19. (Klemp, CT)
- +Overpowering adjacent domestics, man in FF, then disco-mx 2322 9/25. (Connelly, MA)
- t +Tentatively the strong signal here up to 1000 10/4, when sudden noise wiped out any chance for ID on hour. Measured as 545.015 + 2hz. If this is Jumbo they must have at least 50 kw. (Peterson, CA)
- +FF program of pop rock songs, US top 40. 0143 10/12 fair signal, clear but weak. (Dunn, NS)
- +Loud w/FF talk, latin jazz (piano and conga drum) 0104 10/13. (Connelly, MA)
- +Assumed to be source of strong carrier, no audio this time. Measured 1024 10/18 on 545.012 (gating error only). (Peterson, CA)
- +W/excellent signal 10/21 in FF at 1003, just missed s/on announcement. Only fair 10/25 1001. (Seaver, CA)
- +10/27 0053 w/FF mx and talk. Several IDs as "Jumbo". Very loud signal and in the clear. This on my Realistic TRF. (Nall, KY)
- +A definite reception this time 0950-1020 11/1. Strong carrier on at 0950 and s/on came at 1000:30. 2 note, low-high, fanfare played twice, then announcement by woman, fanfare twice more, then announcement by man. Woman's voice hard to read and in FF but "Jumbo" rather clear in man's announcement. Frequency measured as 545.012 at 1019 (gate error only) which agrees perfectly w/Taylor's PFM. Reception marred by intense splash from KSFO-560. (Peterson, CA)
- +Nightly excellent around 0100. (Klemp, CT)
- +Excellent w/Latin-influenced mx and disco, occasional FF talk 0120 11/6. (Connelly, MA)
- +Heard w/good strength, FF programs, usually s/off around 10:09 PM (0309-ed). (Coleman, NC)
- +Fair 11/15 1000:30 s/on to 1010 w/lead-in mx, FF woman talk, mx, FF man talk, into US disco mx w/DJ talk. No clear IDs yet. S-9 at times but 550 splash. (Seaver, CA)
- +11/15 1000 new station in Indies. In FF w/R. Jumbo IDs and s/on on hour. S/on was "Ici R. Jumbo.... Dominica." (Lobel, CA)
- +In w/good signal and minimum KSFO-560 interference 1002-5 11/15 Announcements were in FF. Wouldn't you know it; such a good signal after I send a report! (Peterson, CA)
- +R. Jumbo fair-good w/Latin style dance mx w/FF vocal 0145 11/20 (Connelly, MA)
- +S/on 11/20 1000 w/2 fanfares, woman "Ici R. Jumbo", 2 more fanfares, bongo mx, man talkover unreadable. (Seaver, CA)
- +S/on 1001 11/22 w/assortment of fanfares, woman ID, then into a mixture of reggae, steel drum mx, and nondescript FF pop vocals interrupted by occasional frantic male FF announcer. Strong signal but badly diced by even stronger line noise. (Portzer, WA)
- +S/on 1000 11/22 in clear but faded fast. (Nittler, NE)
- +11/23 open carrier at 0950 w/FF s/on 1001. Fair-good signal as usual. (Korinek, CA)
- +Good w/Caribbean style mx w/drum beating interrupted by FF DJ 0023 11/27. (Connelly, MA)
- +Strong 0115 12/2 FF w/fast rock type Latin mx. (Curtis, VT)
- +Very good w/FF pop mx 12/6 1005. (Portzer, WA)
- +Was in very weak 1135 12/6. (Peterson, CA)
- +Daily from sunset to 0215; great mx--they play a little of everything! Also 12/25 on late 0352 w/Christmas tunes. (McNeil, DC)
- +Good w/Jimmy Cliff record "Under the Sun, Moon and Stars" interrupted by FF talk 2314 12/28. (Connelly, MA)
- +Good in FF w/ID after long announcement by male w/mx in background. ID as R. Jumbo 1004 1/2. Also heard at s/on 12/20 w/fanfares. (Oliphant, AB)
- +Good 1/3 1032 w/Caribbean type mx, news, fast talk by man after

- nx mentioning R. Jumbo several times. Lots of slop from WKRC-550. (Lazar, WI)
- +Poor w/vocal mx 2228 1/4. (Connelly, MA)
- t +1/7 2345-0005 low level but good audio, up tempo SS mx. DJ in SS w/mx background. R. Dom-e-que? ID, was not a R. Jumbo. Some long fades. No ID on the hour. (Tull, MO) (Your ID may have been "Jumboteque" which Jumbo has been known to use-ed)
- +In w/fair signal w/mx program but there was bad static and "chop chop" from KSFO-560, 1030 1/17. (Peterson, CA)
- +Assumed the station noted in passing 1005 1/25 in FF, middle-of-the-road mx and strong signal. (Oliphant, AB)
- +Noted carrier 0957 1/26 tune-in but no audio until 1002 when some rhythmic mx faded up. Then man speaking and more mx. Frequent fading. Even when audible, just at threshold of readability in KARI splash. Frustrating. (Hall-Patch, BC)
- +Fair 1012 1/31 w/mx. Intense slop noted, probably from KSFO-560 (Peterson, CA)
- +Fair w/festive dance mx 0008 1/31. (Connelly, MA)
- +Good w/mx w/reggae and 50's rock influences 0050 2/6. (Connelly, MA)
- +A regular here most evenings w/FF male announcer and Latin-type rock mx 0030 2/7. (Lankford, TX)
- +Good w/tropical vocal mx (sea chanties) 0015 2/11. (Connelly, MA)
- +FF male announcer, Caribbean type mx, very strong 0041 2/12. (Lankford, TX)
- +Fair w/man in FF 0018 2/23. (Connelly, MA)
- +Fair 1000 3/2 w/man and woman FF talk. (Tomer, CA)
- +Good w/Latin mx on piccolo or similar instrument 0021 3/14. (Connelly, MA)
- +Fair w/man in FF 2347 3/31. Loud w/"I Shot the Sheriff" by Bob Marley and the Wailers 0150 4/10. (Connelly, MA)
- +Poor in noise w/disco mx 0151 4/20. (Connelly, MA)
- t +4/27 0200 w/faint Reggae mx in very poor. (Orr, CO)
- +Noted w/repetitive Latin-style dance mx, similar to that heard on Colombian stations 0130 6/8. (Connelly, MA)
- 545 ? UNID, SS Sunday morning 12/23 w/man talking, definitely between CBK-540 and stuff on 550. Lost after KOAC-550 s/on 1358. (Jaisun, WA)
- 550 CUBA, Pinar del Río, CMAN, 10/24 0944 in SS w/ID. Clear on top of frequency in WKRC null. (Nall, KY)
- +Dominant w/woman vocal, SS talk, chimes //590/600/630/640 0532 11/24. (Connelly, MA)
- +Over others w/woman vocal //600; hetted by 548 0520 12/30. (Connelly, MA)
- 550 JAMAICA, Montego Bay, RJR, 12/20 0446 best signal heard this season but still only fair-good. ID 0446, male announcer "You are listening to R. Jamaica." Christmas mx, 0500 Garner Ted Armstrong. EE throughout u/dominant CMAN. (Thomas, FL)
- 551 ? UNID, 0543 2/11 weak het w/BFO, a little audio, unintelligible in the noise u/San Antonio-550. (Lankford, TX)
- 552 ? UNID, carrier noted here 2/1 1045 which seemed to loop NW-SE but hard to tell due to KARI slop. Seemed too clean for TVI and no other TVI harmonics noted. Latin most likely due to conditions but who? (Hall-Patch, BC) (TISBJ?-ed)
- 552.3 ? UNID, het, traces of SS audio, fast talk by man, has been noted often. 0534 11/24. (Connelly, MA)
- 552.5 COSTA RICA, San José, TISBJ, R. Libertad s/on 11/1 1000 strong. (Schatz, FL)
- +Fair hetting 550 domestics w/pop tunes and fast paced DJ after each song 1004-1015 12/27. No ID heard but this is the only thing that's been reported here. (Portzer, WA)
- 555 NICARAGUA, Chinendega, YNS, 2/11 0200 SS man talking w/occa-

- sional mx. Lots of TVI on this end of the band. I keep trying for ZIZ but this is all I can come up with. (Davis, GA)
- 555 ST. KITTS, Basseterre, ZIZ, good w/uptempo reggae song "I Don't Know", S-9+10 0117 7/11. (Connelly, MA)
+Here w/strong open carrier 0449 2/12. (Connelly, MA)
+Fair-good w/soul and reggae show - man announcer, then female vocal 0136 6/8. (Connelly, MA)
- 555 ? UNID, carrier, hopefully ZIZ noted 1019 1/31, very weak w/KSFO-560 sloop notched out. Suprisingly the KSFO stuff was less a problem here than on 545. First time ever for a carrier here for me. (Peterson, CA)
- 570 CUBA, Santa Clara, CMHI, u/WKYX w/political talk at 0620 11/17. Fair signal considering the WKYX strength. (Gerardi, IL)
+12/27, "R. Rebelde" ID at 0458 after Latin mx, news at 0458, good signal. (Thomas, FL)
+Dominant (o/WMCA/CJEM) noted w/SS talk, nonstop //550, 600 with mentions of Cuban towns 0456 2/11. (Connelly, MA)
+O/under WMCA, SS program //580/590/600 (which were all audible) 0625 4/17. It seemed ridiculous to hear the same program on four adjacent channels. (Connelly, MA)
- 570 MEXICO, Monterrey, N.L., XEJB, "La B-J-B" IDs w/phone requests and Mexican mx u/WFAA 0415 5/20. (Schatz, TX)
- 570 PARAGUAY, Pedro Juan Caballero, ZPA15, R. La Voz de Amambay is now 24 hours. Address: Radio La Voz de Amambay, 14 de Mayo No. 475, Pedro Juan Caballero, Paraguay. (SCDX)
- 570 VENEZUELA, Villa de Cura, YVLX, 0503-0509+ 1/18 w/man announcer and Latin type mx. ID as "R. Rumbos, Villa de Cura, Venezuela" about every three minutes. Good signal. (Thomas, FL)
- 570 ? UNID, SS station peaking through WKYX and CMHJ mixture 0647-0715 10/11 w/tropical mx and many cuckoo bird calls when man Ided but was unable to get a clear ID, sounded like "R. Pajune" at 0700. (Gerardi, IL) (R. Cucú-575 IDs w/cuckoo calls but as far as I know they haven't moved to 570-ed)
- 575 COSTA RICA, San José, TIWA, 10/27 0428 in SS. ID as "R. Cucú" and after ID used sound of a cuckoo clock. (Nall, KY)
+"R. Cucú" w/slow SS mx riding o/low growl from TAs 0642 11/26. (Connelly, MA)
+Noted w/fair signals 0300-0400 12/10 and 11. (Stanbury, ON)
- 575 ? UNID, weak carrier 0550 2/7, TIWA presumed. (Lankford, TX)
- 579.6 ? UNID, strong het 0048 2/7, Mexico presumed per Foreign Log, Volume 4. (Lankford, TX)
- 580 BOLIVIA, La Paz, CP91, "Panamericana Bolivia" 0615 4/14. (NZDXT)
- 580 CUBA, Baracoa, CMKF, probably here w/SS political talk over and under WTAG (no WKAQ) program //590/600 0505 3/13. (Connelly, MA)
- 580 t JAMAICA, Port Galina, 1/17 "Good morning Jamaica" 1001, then EE and SS mx w/EE announcer. Fair-poor w/miscellaneous interference. Full ID not heard. (Thomas, FL)
- 580 MEXICO, Chihuahua, Chih., XEFI, in very well Monday morning 8/23 1116 w/ranchera mx, "R. Mexicana" ID 1118 followed by a spot for Mexana. (Pejza, CA)
+8/2 1135 "R. Mexicana" and "Numero Uno" IDs and talk of Chihuahua. (Lobel, CA)
+9/13 0800 w/many "R. Mexicana" IDs and ranchera mx just after KMJ s/off. (Lobel, CA)

- 580 PUERTO RICO, San Juan, WKAQ, good w/SS talk, "WKAQ, más música" jingle, then Middle-of-the-Road mx o/u 2 other SS Latins 0220 9/26. (Connelly, MA)
- +12/20 very strong this Monday morning w/ID sung in SS by woman announcer, "doh-bleh-veh -- kah -- ah -- koo... San Juan." Frequent IDs, US rock mx. (Thomas, FL)
 - +Atop a jumble w/IDs 0513 2/6. (Connelly, MA)
 - +Dominant o/growl w/WKAQ jingle, then rapid fire SS talk, ads, WTAG/FFC u/0413 5/22. (Connelly, MA)
- 590 CUBA, San Antonio de las Vegas, CMW, fair-good behind WEEI, SS //600 0447 7/10. (Connelly, MA)
- +8/2 0739 w/good S-9 signal and many political announcements. Kept repeating "Viva la Habana". At 0740 woman announcer introduced a speaker about Angola. Heard chimes and full ID 0758. Thanks to Don Erickson for the tip that KFXM was off this Monday morning. (Lobel, CA)
 - +8/30 0530 w/good ID "R. Rebelde, Habana, Cuba" in null of KFXM w/mucho KOGO slop. (Lobel, CA)
 - +11/18 1045 strong possibility w/SS and many time checks. Thought I heard several "R. Rebelde" IDs. Some KOGO-600 slop. (Lobel, CA)
 - +O/u WEEI in SS //600 and others 0532 11/24. (Connelly, MA)
 - +1/3 0630 w/usual chimes playing R. Rebelde theme. Heard in null of KFXM/KUGN-590. No audio heard till 0634:45 when SS singing began. (Lobel, CA)
 - +1/8 0022-0031 man and woman in SS talking o/mx, Radio Drama I suspect. Good level but lots of domestic interference. R. Rebelde ID given on half hour. Cuba mentioned, echo on ID. (Tull, MO)
 - +1/24 0814 w/male announcer and Cuban mx. ID "R. Habana Cuba" 0825. R. Rebelde chimes and full ID 0828. Atop channel most of the time. (Lobel, CA)
 - +O/WEEI 0515 2/6. (Connelly, MA)
 - +Noted w/SS talk, march mx anthem often heard on Short Wave, //600, signal o/WEEI 0500 3/13. (Connelly, MA)
 - +Atop WEEI w/man in SS, then circus-type mx //600/640/720, third station behind (WARM or Colombia) 0411 5/22. (Connelly, MA)
- 590 MEXICO, Río Bravo, Tams., XEFD, easiest Mexican daytimer in Houston w/WLBJ nulled. Dominant in Galveston and as far up the coast as Louisiana. Call IDs. (Schatz, TX)
- 590 ? UNID, SS station u/Cuba w/ranchero mx and deep voiced male announcer, very weak signal 0700-0711 11/22. (Gerardi, IL)
- 595 DOMINICA, Roseau, fair in noise, S-9, w/steel band mx, then fast talking announcer, did not sound like EE 0121 7/11. (Connelly, MA)
- +In w/fair carrier, weak modulation, man talking 0025 11/27. (Connelly, MA)
 - +R. Dominica fair w/interference, top 40 rock, Caribbean EE accent announcer. (Dunn, NS)
 - +Fair through domestic slop w/Middle-of-the-Road mx just after apparent s/on 1003 12/6. (Portzer, WA)
 - +Strangely enough R. Dominica not heard here in spite of power equal to Dominica-545 1/17. (Peterson, CA)
 - +Poor in what sounded like Creole-type FF dialect 0053 2/6. (Connelly, MA)
 - +2/11 0209 news in EE followed by much soft rock mx 0212. Good carrier but no reportable copy due to very mushy audio. Hymn 0229, audio off 0230. Noted in FF 0105 2/13. (Davis, GA)
 - +4/3 2358 poor signal, weak w/soft audio, sounded FF. (Dunn, NS)
 - +Fair w/Caribbean mx 0125 6/12. (Connelly, MA)
- 595 ? UNID, very low level, looped to Caribbean. Just a het 1/8 0033-0057. (Tull, MO) (Probably Dominica-ed)
- +Another carrier, likely Dominica, rather weak 1025 1/31. Listened hard but no audio. A darned good Latin morning today, strong aurora. (Peterson, CA)

- 600 ● COLOMBIA, Barranquilla, HJHJ, "R. Libertad" w/clear signal and no sign of Cuba, excellent IDs (canned) by man and woman at 0803 and 0828, from 0801-0835 11/15. (Gerardi, IL)
+Loud and dominant w/"R. Libertad" ID, then Latin mx w/accordion and pounding drums, male vocalist doing verses and group singing refrain 0517 2/6. (Connelly, MA)
- 600 COSTA RICA, San José, TIXE, R. Omega moves to here from 625kHz, w/50 kw, operating 1145-0500. (SCDX, Dec 76)
+Same as above, except that R. Omega reduces to 3 kw at night. (MWN, Jan 77)
- 600 CUBA, San Germán, CMKV, excellent w/man and woman in SS //590 0446 7/10. Dominant w/SS talk about workers 0525 7/11. (Connelly, MA)
t +Was likely the SS male talk creaming CJOR et al 0640 9/20. Was not //640. (Portzer, WA)
+Atop growl of hets //550/590/630/640. 0532 11/24. (Connelly, MA)
+Dominant o/growl (Colombia?), back here from 601a, R. Rebelde ID, mention of "primer pais socialista en América" 0459 3/13. (Connelly, MA)
+Good w/SS vocal //590, alone on channel 0520 4/17. Noted with mushy audio, blockbuster signal, man in SS 0410 5/22. (Connelly, MA) (see also 601-ed)
- 600 ● SURINAM, Paramaribo, Hindustani talk dominating the channel just after local sunset (before Cuba and Colombia started to skip in), taped for later analysis 0000-0003 4/17. SRS-725 was very loud at the time. (Connelly, MA)
- 601 t CUBA, San Germán, CMKV, Per earlier reports, CMKV is allegedly the drifter raising havoc here w/potent signal. African-influenced Caribbean mx, then SS talk 2356 2/17. (Connelly, MA)
- 602.2 ?a UNID, SS Latin-type here w/tropical mx and SS talk; carrier had rough note when spotted w/BFO. Not Cuba as programming didn't fit (too commercial in style) and Cuba noted on 600 a little later. Unid heard 2324-2330 12/28. Not noted the following night. (Connelly, MA)
- 605 ECUADOR, Guayaquil, HCRH2, R. Huancavilca excellent 0615 4/14. (NZDXT)
- 610 ● COLOMBIA, Bogotá, HJKL, well o/domestics w/SS news, "R-C-N" IDs 0032 11/27. (Connelly, MA)
+Dominating o/raw low het from domestics. SS male vocal followed by "R-C-N" ID by woman 0512 3/13. (Connelly, MA)
- 610 ? UNID, 8/16 0239 under WDAF fade w/SS. Most likely Mexican or Cuban. (Dale, MO) (Colombian more likely-ed)
- 615 ECUADOR, Quito, HCMJ1, Emisora Gran Colombia good with s/off 0607. (NZDXT)
- 615 ? UNID, Latin type reverberating SS talk by man, then man and woman w/vocal duet romantic style 0452 2/12. (Connelly, MA)
- 620 ? UNID, 3/28 pre-1500 classical mx. Unreadable ID and s/off 0502 w/National Anthem (?) and mention of Nicaragua. Poor u/WSUN. Not Cuban, maybe YNM? (Thomas, FL)
- 625 t COSTA RICA, San José, TIXE, presumed the one buried under extremely high noise Monday morning 8/16 0424. Mx, but no voice announcements audible. (Pejza, CA)
t +R. Omega, 7/25 0458, 8/19 0345 presumed the Latin mx, rock, occasional talks, really holding its own a lot of the time. (Newell, BC)
+Heard 0206 10/26. (Klemp, CT)
+No trace of R. Omega during period of R. Cucú-575 reception 12/10 and 11. Further at 0430 12/11 R. Cucú had good signals

- as did Latins on 725 and 775 but still no trace of Omega which was also missing 0300-0430 12/12. This suggests that R. Omega was (is) silent on 625. (Stanbury, ON)
- 625 ? +R. Omega seemed to be back on 0340 1/7, probably w/reduced power. No definite ID, het on the frequency from a second station. Both soon faded out. Central American stations on 575 and 655 were fair to good at the time. (Stanbury, ON)
+This station has moved to 600. (SCDX)
- 625 ? NICARAGUA, unid w/GMT-6 time checks 1035 11/1. "Rural" program w/rustic-sounding announcer. (Schatz, FL)
+Fair w/"... hora Cristal" time checks, IDs 1/18 1032 so likely a repeater of YNKW-1060. (Schatz, FL)
- 625 ? UNID, 8/16 0245 w/het on 620 and 630 about in the center as far as I could tell by ear. Wicked auroral mess. Would suspect TIXE but recent information has led me to believe they're not on anymore. (Dale, MO)
+Very low level, no audio, looped Central American 1/8 0040-0045. (Tull, MO) (TIXE?-ed)
+Weak carrier noted here again 0435 1/30. This apparently is not R. Omega as SCDX monitor in San José reports them now on 600. (Stanbury, ON)
- 627 ? UNID, more likely Latin rather than TA judging by conditions, loud het on WPRO/others-630 0524 2/6. (Connelly, MA)
- 630 CUBA, Santa Clara, CMHQ, audible in null of WPRO //640 0445 7/10. (Connelly, MA)
+8/16 0218 w/SS pops. Had just realigned TRF and thought it may have been misaligned so obtained second receiver and checked and this 630 was indeed //640. Have heard this effect before //590, 630 and 640, but different program on 590 this time. (Dale, MO)
+"R. Liberación" excellent w/Cuban-style mx //640/650 0900-0919 11/15. (Gerardi, IL)
+Atop WPRO w/mx and SS talk //590/600 0532 11/24. Mashing WPRO/CFCY w/clear "R. Liberación" ID 0030 11/27. (Connelly, MA)
+R. Liberación 1/8 0048-0053 good ID 0059, nx program w/man and woman announcers. Good solid level. (Tull, MO)
+O/u WPRO w/opera //640 0457 3/13. (Connelly, MA)
+O/u WPRO w/rambling SS discourse 0452 6/11. (Connelly, MA)
- 640 CUBA, Guantánamo, CMDV, R. Liberación, 2/12 0540 SS talk, mx played on xylophone, 0550 ID "... este de R. Liberación", more mx and talk to 0600. Heard u/CMQ which had news, CMQ relays "La Voz de Cuba" program while this one doesn't. (McClenaghan, ON)
- 640 CUBA, La Habana, CMQ, 8/16 0218 w/SS version of "Feelings" and other peppy SS popular mx. Apparently CMQ's announcers name was Manuel. (Dale, MO)
+Heard 9/6 0956 w/SS popular songs and ID 0957. Good in absence of KFI. (Pejza, CA)
+9/20 0840 most likely the SS in slight KFI null. Religious broadcast o/KFI was just too much to get a good null on them. (Lobel, CA)
+Usual excellent reception 0730 10/11 going from jazz recordings to "La Voz de Cuba" ID by man. (Gerardi, IL)
+10/18 1035 very clear w/KFI off. Mention of Habana w/many time checks. S-10 signal. (Lobel, CA)
+"R. Liberación" excellent signal //630/650 0920 11/15. (Gerardi, IL)
+11/22 1120 in like a bomb w/KFI off. (Korinek, CA)
+Dominant, loud w/SS 0532 11/24. (Connelly, MA)
+1/8 0053-0101 news perhaps //630 w/man and woman announcers. Good levels. (Tull, MO)
+1/15 0405. This is not exciting from this area. However, I stopped here while tuning to listen to "Dazed and Confused" from Led Zepplin's first LP! This is heavy mx to be coming from Cuba. It was the start of a talk show. (Davis, GA)

- +1/31 0743 w/news in SS faint u/KFI. Could not hear time check but this is only one ever heard u/KFI. 0745 march mx. (Lobel, CA)
- +Dominant w/folk songs, SS talk mentioning José Martí 0526 2/6. (Connelly, MA)
- +In w/super signal 1115 2/14. KFI off. (Tomer, CA)
- +2/14 1125 w/S-10 signal. Mx, male announcer, full ID w/Radio Liberación de Habana Cuba" 1130. KFI off, of course. (Lobel, CA)
- +La Voz de Cuba noted w/R. Habana Cuba produced program (announced as such) 0501 2/19. So suddenly the R. Habana Cuba ID is turning up all over the BCB. (Stanbury, ON)
- +Well u/YVQO, o/KFI, w/operas 0457 3/13. (Connelly, MA)
- +4/27 0254 in good o/KFI w/SS talk like a play by man and woman. (Orr, CO)
- +//740 w/"Living in the Material World" by George Harrison, then SS mz, 0257 5/22. "R. Liberación" ID atop second Latin and CBN 0330 5/22. (Connelly, MA)
- +A daytimer along the Gulf coast at least as far as New Orleans. Might be possible in Galveston, but KIKK-650 too splashy there. (Schatz, LA)
- 640 GUADELOUPE, Arnouville, Pointe-à-Pitre, atop low grumble from YVQO/CBN, FF talk followed by Sinatra record 2327 1/24. (Connelly, MA)
- t +Interval Signal heard 1025 2/6 w/bells or chimes, maybe also piano. At 1030 trumpet intro then into anthem or song. The language not detectable but songs heard later sounded like tropical mx. U/nullled KFI. Could this be Guadeloupe? (Ađen, OR) (Sounds more like CMQ, even though WRTVH lists Guadeloupe s/on at this time-ed)
- 640 GUATEMALA, Guatemala, TGW, "R. Nacional de Guatemala" 11/15 1138 w/excellent ID and marimba mx. CMQ interference, KFI open carrier and test tone at times. (Seaver, CA)
- 640 VENEZUELA, Puerto la Cruz, YVQO, good w/Ondas Porteñas ID and talk about Puerto la Cruz, atop growl of low hets and other SS audio 0130 7/11. (Connelly, MA)
- +Weak signal on 8/21 at 0030, SS Latin mx and IDs. (Herbst, W. Germany)
- +Good w/"Love in the Shadows" by Neil Sedaka, then "Ondas Porteñas" ID, then slow SS female vocal, potent and totally dominant 2325 9/25. (Connelly, MA)
- +Heard 10/9 0010 o/CMQ w/good signal, many "Ondas Porteñas" IDs, faded u/CMQ shortly after. Nice tape made. (Morby, NY)
- +Noted w/clear ID 0257 12/12. (Stanbury, ON)
- +0115 1/3 strong, way o/CMQ on TRF w/"Ondas Porteñas" ID into news. (Falconer, ON)
- +Atop the channel w/SS male vocal and brass accompaniment, Cuba and other Latins audible in null 0017 2/11. (Connelly, MA)
- +Superdominant o/CMQ/KFI w/SS talk mentioning Barcelona and Carupano, interspersed mx, ads giving phone numbers, then "Ondas Porteñas" ID 0456 3/13. Extremely loud, slopping badly onto 630 and 650 w/jingle ID, ads 0515-0517 3/13. (Connelly, MA)
- +3/25 good w/moderate Latin mx. 0518 ID and location mentioned. CMQ interference. (Thomas, FL)
- +Good, way o/low growl, "Ondas Porteñas" ID, SS talk, Abba song, 2346 3/31. (Connelly, MA)
- +Dominant w/"Love is Blue" by Paul Mauriat, SS talk "Ondas Porteñas" ID, then woman SS vocal 0147 4/20. Conditions were very headily auroral. (Connelly, MA)
- +Well o/Cuba w/lively mx, "Ondas Porteñas" ID 0453 6/11. (Connelly, MA)
- 640 ? UNID, most likely Cuba, Monday morning 8/16 and 8/23. 8/16 heard w/tropical rhythms 1032, shifting to ballads 1039. Male announcer w/apparent title between numbers. Second SS station faint 1040. KFI carrier on at 1049 and s/on 1058. On 8/23 ballads at 1057 u/KFI open carrier, KFI s/on 1059. (Pejza, CA)

+SS o/u CMQ 0826 10/18 w/KFI nulled. Had tropical sounding mx typically found on Colombians w/male announcer who faded out at the proper times. Sometimes o/CMQ but mostly under. Still there after KFI s/off 1000, but much weaker until I finally gave up around 1030. (Bytheway, WA)
+Probably YVQO 0041-0130 11/4. Sports in SS w/two announcers, heard such as "Francisco", "Itallio", "Brazilia", "Venezuela Grande", "Caracas" etc. Does Venezuela play Brazil in some sport? (Soccer?-ed). Good. (Curtis, VT)
+SS in a wild three-way battle w/KFI and CMQ 0840-0853 12/6. Lively format w/some tropical, some ranchera, some Cuban, etc. mx. Occasional announcements by DJ but nothing definite heard. Will have to replay tape on this one. (Portzer, WA)
+1/17 1109 unid SS talk u/CMQ u/KFI open carrier. (Korinek, CA)

- 645  PARAGUAY, Coronel Oviedo, ZP19, fair w/SS talk 0420 7/5. (Connelly, MA)
+R. Caaguazú not noted here this season, possibly returned to 640. (Schatz, FL)
- 645  URUGUAY, Montevideo, CX6, SODRE fair 0625-0701 3/4. ID like "R. Soðyoureh". (NZDXT)
- 645 ? UNID, SS vocals, guitar mx. Paraguay still here?? 0639 11/26. (Connelly, MA)
+1/29 1645 slight het here atop the afternoon garbage. Plenty of slop from CMQ-640. I've got no idea who this is as no audio heard whatsoever. (Lankford, TX)
+0543 2/11 weak signal about 100 hz away from 645.1 TVI. Probably Paraguay. (Lankford, TX)
- 649 ? UNID, het on low side of YVLH/WSM 0420 5/22. (Connelly, MA)
- 649.4 ?a UNID, Latin here jamming YVLH-650 in null of WSM. Fragments of mx noted 0423 1/8. (Connelly, MA)
- 650  COLOMBIA, Bogotá, HJJX, strong 0749-0818 10/11 w/instrumental mx such as "Blue Mcon" and "Song, Sung Blue", ID 0810 by woman very clear as "Monserratte, Bogotá". (Gerardi, IL)
+In well 0700 11/1 w/"Monseratte" ID, not sure if WSM off. (Morby, NY)
t +0807 2/14 w/jazzy mx in KORL null, then schlock mx, then R-C-N ID. WSM then came on, ruining any further chance at an ID. HJJX perhaps, but they're not listed as an R-C-N affiliate. (Bytheway, WA)
+4/11 0626 w/Middle-of-the-Road/jazz/Colombian mx and frequent man and woman IDs. (George, TX)
- 650 COSTA RICA, San José, TIBAS, mentioned "Monumental" 0451 followed by festive SS mx on 2/11. (Connelly, MA)
+"Monumental" good w/ID and Latin mx 0452 3/13. (Connelly, MA)
+"R. Monumental" ID and location 0541 4/11. Tropical mx. Local quality in WSM null. (Thomas, FL)
- 650 CUBA, Santiago de Cuba, CMKU, R. Liberación 0921 //630/640 11/15 good signal, first time heard in long time. (Gerardi, IL)
+Poor-fair w/talk by man //640 0740 12/27. (Lazar, WI)
- 650 DOMINICAN REPUBLIC, Santo Domingo, HIAT, dominant w/ID as "R. Universal", SS ads, electronic sounds, pseudo-interview w/person on the street along the lines of "What's your favorite radio station?" "R. Universal, of course!" says the person 0527 7/11. Other Latin probably Venezuela, rising atop briefly 0528, no WSM. (Connelly, MA)
+Atop channel w/"R. Universal" IDs 0528 2/6. (Connelly, MA)
- 650 MEXICO, Los Mochis, Sin., XETNT, apparently just after s/on 9/14 1201. (Pejza, CA)
+12/4 1113 w/"R. 65" ID. (Seaver, CA)
+Noted atop 1355 12/5 w/religious program, ID at 1400. Good signal. (Kaskey, CA)

- +1/4 in good w/"R. 65, Los Mochis" jingle by woman 0245.
(Tomer, CA)
- 650 PANAMA, Panamá, HOS22, R. Mía, 12/31 0120 tuned into some lively tropical mx, then a clear ID, quickly out u/the Venezuelan and Colombian. (Cartwright, PA)
- 650 VENEZUELA, Maracay, YVLH, 2356 11/3-0035 11/4 good. Heard Caracas and Venezuela mentioned, also Nacional de Venezuela. At 0003 played Venezuelan National Anthem followed by sporting event, probably same event as heard on 640. (Curtis, VT)
+Good w/SS ads for farm products and bank, also numerous mention of different Venezuelan cities 0055 11/16. (Connelly, MA)
+Loud and dominant w/SS sports and ads for beer and appliances w/addresses in Maracay 0042 11/27. (Connelly, MA)
+W/ID as R. Visión amidst SS talk 1025 1/3 w/KORL interference. Mention of Maracay, then singing ID 1027. (Oliphant, AB)
+"R. Visión", SS, commercials, fair 1/7 0105.
(Herbst, West Germany)
+1/17 sung and spoken IDs from 0946-0948. Latin mx 0950. Very good signal, alone. (Thomas, FL)
+Booming in w/clear "R. Visión, en Maracay" ID 0145 4/20. (Connelly, MA)
+In o/a jumble, w/fanfare, SS talk about how you get the best news and mx "en Maracay" on YVLH, then Latin flute or piccolo dance mx 0332 5/22. (Connelly, MA)
- 650 UNID, 1/3 1225 suspect Costa Rica or Venezuela. Thought I heard mention of Maracay, but KFI slop just too much. Highly doubt this was a Mexican. (Lobel, CA) (Sunrise/Sunset map says Venezuela had been in daylight for about two hours when you heard this. Mexico or Central America most likely-ed)
- 655 EL SALVADOR, San Salvador, YSS, 7/25 0452 National Anthem with roaring noise, poor. (Newell, BC)
+1126 9/7 w/good taped ID as "Esta es San Salvador... transmisiones de R. Nacional de El Salvador" during mx break. (Oliphant, AB)
+Heard 0400-0500 w/classical mx 11/3. "R. Nacional de El Salvador" ID 0450. Weak, noise something awful. (Tomer, CA)
+Slow SS mx and male announcer in SS, so-so level, good "Radio Nacional" ID 1/8 0103-0110. (Tull, MO)
+Fair w/classical mx 0425 1/8. (Connelly, MA)
+A regular here, 0500 2/6 ID "... desde San Salvador... Radio Nacional de El Salvador..." S/off 0500 2/8 w/instrumental National Anthem. (Lankford, TX)
+R. Nacional, 2/12 0340 SS, talk, mention of "R. Nacional", mx of Mozart's Sonata #11, 0408 ID, talk about Franz Schubert, mx of Schubert's Symphony #5. Theme for this program is Schubert's Symphony #8. (McClenaghan, ON)
+0350 3/3 w/classical mx, weak. (Tomer, CA)
+3/16 0300 w/classical mx in like a local. (George, TX)
+Poor in YVLH-650 slop w/operatic SS female vocal 0153 4/10. (Connelly, MA)
- 660 MEXICO, México, D.F., XERPM, "R. Uno" w/Middle-of-the-Road mx 9/9 0505 w/talk modernistic Interval Signal and ID. (Pejza, CA)
+Good signal 10/11 0600 w/American soul records in EE but w/SS IDing as "R. Uno". (Endza, CA)
+4/25 0612, many "whoop-whoop-whoop... R. Uno" IDs w/rock mx. Good w/WNBC interference. (Thomas, FL) (There is a whole network of Mexico City stations w/whoop-whoop-whoop IDs: R. Dos-710, R. Treis-970, R. Cuatro-1220, R. Cinco-1470 and R. Seis-1500, in addition to this one-ed)
+0530 6/17 usual, though better on medium wave tuner poor. 0450 6/24 back to good levels touching S-7 w/usual whelps on whiz-bang. (Newell, BC)
- 660 NICARAGUA, Managua, YNAM, 11/13 0603, nice long ID by man, most of which I didn't understand. But heard "R. Preferida... seis sesenta kilohertz" and "Mi Preferida" mentions. Had played

curious mixture of Latin disco and syrupy SS ballads for previous half hour w/many Central Standard Time time checks. Poor-good w/no sign of XERPM. This tuned slightly above the low hets I hear on 660 so probably is the cause of at least some of the noise. (Hall-Patch, BC) (see also 660.5-ed)

- 660 ● VENEZUELA, Coro, YVNA, 8/30 0407 Venezuelan National Anthem so must be country number 21. (Newell, BC)
+ "Ondas de los Médanos" in w/a good steady signal 1030-50 1/31. Lively mx and frequent time checks. A clear slogan jingle ID 1044:40. This tried for many times unsuccessfully and rather hard-won today. Had to tune very precisely and carefully notch the KNBR-680 splash to get it. (Peterson, CA)
t +A sports event between Venezuela and Puerto Rico here in SS, likely YVNA o/nulled WNBC 0058 2/6. (Connelly, MA)
+ Good w/Latin American-type mx and ID 1020 3/21 as "Ondas de los Médanos", alone on frequency. (Olpihant, AB)
- 660 ? UNID, 1/17 0935-0945 man announcer and SS opera or hymns. Very weak signal, murky audio. WNBC off. (Thomas, FL)
+ Latin-type conditions improved here for YNAM disappeared from 660.4 in the middle of March taking with it the atrocious het it had been generating for years on all 660 stations. Meanwhile, after the XERPM s/off 0800, there are 2 or 3 Latins to be found on the frequency (WNBC nulled) but haven't been able to ID any of them yet. One of them may be Nicaragua returning to its assigned frequency and one may be R. Uno in Colombia, but all the Latins there are about the same strength and the IDs keep getting away from me. It's even difficult to locate XERPM many times for it's no stronger here than the Latins which are left after it signs off. (Martin, CO)
- 660.4 ? UNID, Strong het regular here. Nicaragua presumed. (Lankford, TX)
- 660.5 NICARAGUA, Managua, YNAM, "Preferida" All night here 11/1, strong het. (Schatz, FL) (see also 660-ed)
- 663.5 ? UNID, extremely weak Latin here Monday morning 9/20 0735-0816. Signal so faint that it delivered audio only 3-4 times in a half hour period and was difficult to locate the rest of the time. Bearing was Southeast by South, about 145°. SS flavor when audio was up. During this time I could not locate the 645 carrier from Paraguay and this station seemed weaker than the Paraguayan I have heard in the past. (Martin, CO)
+ South American, noted here on several occasions, likely coincides w/Gene Martin's unid. Doubtful if Paraguay. (Schatz, FL)
+ The Latin here offers one of the weakest signals I've ever monitored - found most nights 9/20-10/13 - as early as 0400 10/10 to as late as 1005 10/11, which seemed to be its fadeout time that date. The carrier often cannot be located and when you do find it w/the BFO it delivers audio only about 1/5 of the time. This one may escape being IDed for a long time, but inasmuch as I reported it first, think I'll add it to the list whenever anybody comes up w/the ID. About 145° from Denver and would surely like to know for triangulation purposes, what bearing Pon Schatz (in Florida) finds it on. The HQ-180 is always tantalizing in this way - capturing some signal so weak and erratic that there is almost no chance I will ever ID it. This signal is weaker than the Latin about 757 in the early evening. (Martin, CO)
+ Mystery Latin here in September and October disappeared sometime in the closing days of October and could not be found through November. Probably returned to its regular frequency and we may never know what it was. (Martin, CO)
+ My mystery Latin from last fall has been heard again on this frequency, but is surely not a regular. Listen for it when South American reception is at its best. Noted again 2/18 when it seemed to fade out about 0910. Can any South American listener help on this one? A station which is heard in fall and spring but not in deep winter suggests something in Deep-

- South America. I would settle for Patagonia. (Martin, CO)
 +Let me put a tentative ID on my mystery Latin here as something in Argentina, although I can't remember that any Argentine has ever been reported off frequency, as this one is. Unless my ears are fooling me, there are 2 mentions of Argentina on the tape recorded in 8 excerpts Monday morning 3/21 0659-0845. Signal extremely weak as usual and by 0925 could not raise anything more than a BFO whistle. Mx portions have a quite un-Latin flavor, no hint of Tropical or Ranchero mx and nothing w/a Cuban flavor. Some of the mx is almost Oriental in tone but I would not pretend that this is a close measurement. The station was first heard last September, was not found in mid-winter, but spotted again in mid-February. Ron Schatz spotted it in the fall on this frequency, called it a South American, but couldn't ID it at the time. Would still be willing to settle for Patagonia. (Martin, CO)
- 670 CUBA, San Pedro de Cacocum, CMKP, 10/17 0457 in WMAQ null w/SS programs. (Nall, KY)
- 670 VENEZUELA, Caracas, YVLL, loud w/slow male SS vocal, then numerous ads and mentions of Rumbos and Venezuela 2333 9/25. (Connelly, MA)
 +Well o/Cuba w"R. Rumbos" ID 2353 10/31 during good aurora. (Morby, NY)
 +O/Cuba/WMAQ w/SS sports (fútbol game?) and ads 0046 11/27. (Connelly, MA)
 +12/30 0020-0059 in good w/sports event (soccer?). Heard Venezuela, Venezuelano, Caracas, and such in SS. (Curtis, VT)
 +W/"Medianoche" (midnight) program, mentions of Rumbos and Venezuela, then slow SS vocal atop presumed Cuban 0530 2/6. (Connelly, MA)
 +Good w/"R. Rumbos" ID, then Latin mx, clearly dominant on channel 0448 3/13. (Connelly, MA)
- 675 COSTA RICA, San José, TIJC, 0424 11/2 w/SS mx, ID as "Sonora" similar to that used by Titania-825 but w/male voice. (Oliphant, AB)
 +12/16 0440 came out of light rock song to man saying "... Sonora... para la gente... la... musical, R. Sonora." Really messy KNBR/KBOI slop. Mostly this was just a carrier, w/that one lucky fade up on an ID. (Hall-Patch, BC)
 +"R. Sonora Cadena Musical" ID between songs, numerous mentions of "Sonora" 0523 2/11. (Lankford, TX)
- 675 UNID, Two stations here about 30 hz apart 0055 7/2. (Lankford, TX)
 +SS good at times w/fading 12/30 0048-0154. Latin mx, instrumentals, several "Quenta Cologne'S" in commercials, also Westinghouse. Costa Rica or Nicaragua? (Curtis, VT)
- 680 ARGENTINA, Río Gallegos, LU12, R. Río Gallegos is now 30 kw. (MWN)
- 680 BOLIVIA, La Paz, CP34, "R. Mendez" 0545 4/16. "Panamericana" ID 0546 u/them. (NZDXT)
- 690 CUBA, La Habana, CMBC, "R. Progreso" ID 0946 9/2 good w/XETRA, news (or whatever) at 0943 sounded //640. Do all Cubans broadcast the same news? (Oliphant, AB) (not in parallel-ed)
 +Atop CBF w/jazz 0537 2/6. (Connelly, MA)
- 690 MEXICO, Tijuana, B.C., XETRA, 10/25 0945 tuned to 690 and found this was off, a rare occurrence. Heard CBF, KHEY, and unid test tone in their place. Off until 1335. (Lobel, CA)
 +2/9 1034 finally noted off this morning. (Korinek, CA)
- 690 PANAMA, Santiago, HOM83, "R. Varaguas" 1001-1018 11/15, topped frequency at 1001 w/sign on, ID, very clear w/Panamanian songs by women, many canned IDs. (Gerardi, IL)

- 690 ? UNID, SS woman announcer w/instrumentals (many US pop tunes) 0720-0803 11/22, only ID given was by woman at 0800 as "Música de la romantica." Believe it might be Cuba but not sure. (Gerardi, IL)
- 698 DOMINICAN REPUBLIC, Valverde, HIDC, "R. Mao" jamming 700; SS talk 0130 6/12. (Connelly, MA) (see also 698.8/699-ed)
- 698.8 DOMINICAN REPUBLIC, Valverde, HIDC, likely w/SS talk and interference from SSers on 700 0052 11/27. (Connelly, MA)
- 699 DOMINICAN REPUBLIC, Valverde, HIDC, teaming up w/TA on 701 to het WLW into oblivion 0005 4/17. (Connelly, MA)
- 699 ? UNID, 0131 2/12 weak audio, female vocal, unid language because too weak. (Lankford, TX)
- 700 ● COLOMBIA, Cali, HJXC, fair (only slightly o/a jumble of others, many co-channel stations and also hets believed to be from Dominican Republic-698 and Morocco-701) "R. Sutatenza, Cali" ID followed by brassy mx 0213 9/26. (Connelly, MA)
+W/ID as "R. Sutatenza de Colombia" 0203 11/2 w/mx by Rick Wakeman in background, still in strong 0330 w/a couple of IDs on the half hour. (Oliphant, AB)
+Heard 0925 12/13 w/man talk in SS and "Ding-dong, ding-dong" after mentions of "Buenos dias...." (Orren, WA)
+W/ID as "R. Sutatenza" 0004:30 12/30, fair w/what sounded like news before ID, noise buried it 0006. (Oliphant, AB)
- 700 COSTA RICA, San José, TIHB, noted "R. Reloj de Costa Rica" ID in passing 0439 9/22. Good signal and clarity. (Hall-Patch, BC)
+W/WLW 0136 10/25. (Klemp, CT)
- 700 ● VENEZUELA, Maracaibo, YVMH, dominant w/brassy dance mx, then ID "R. Popular, Maracaibo" 0145 4/10. (Connelly, MA)
- 700 ? UNID, 0805-0810 11/22 u/WLW w/very weak signal and tropical mx. (Gerardi, IL)
+1/31 0605-0630+ murky ID 0617 w/echo in ID. Man announcer, Latin mx. One mention of Costa Rica (TIHB?). Poor signal in 70% WLW null. (Thomas, FL)
- 705 HONDURAS, "La Voz de Olancho" w/beautiful casual ID 0320 4/28. Local WGBS-710 nulled in figure 8 mode. (Schatz, FL)
- 705 ST. VINCENT, Kingstown. It has been quite a while ago that Radio St. Vincent was heard by American DXers, but now the station appears to be active again. The station was heard February 10 on 705 khz 2326-0052 with popular mx, news and a talk show. (SCDX, March 77)
-Per NRC DX net (75 meter ham band), this is now on. Carrier and talk by man (which sounded like BBC news) noted briefly through WOR/WRKO-710 slop 0003 2/22. (Connelly, MA)
+Fair for taping w/ID "This is R. St. Vincent", other EE talk, then soft ballad w/reggae beat 0029-0031 2/23. (Connelly, MA)
+Good w/calypto, fading down to fair by ID time 0059-0100 3/20. (Connelly, MA)
+Fair w/soft mx 2342 4/16. (Connelly, MA)
+Fair w/male vocal o/a pronounced 4.8 hz SAH (who could the 2nd station be?) (see above-ed) 0129 6/12. (Connelly, MA)
- 710 MEXICO, Cuahutemoc, Chih., XEDP is evidently the call of this station previously reported by yours truly as XEVB. (see Foreign Log 5-ed) Often dominant evenings w/varied SS mx and IDs as "XEDP, La Grande!" (Kemper, CO)
+O/u KMPC w/SS mx and about 500 ads after each song 1107-1129 12/27. One ID as "La Grande" 1121. (Portzer, WA)
+W/KIRO off, this was heard nearly alone building from fair to strong 2/7 1210-15 w/SS ballad and man bellowing "La Grande del setenta y siete" followed by time check. This translates as

"707" doesn't it? Interference from South Korea!
(Hall-Patch, BC)

- 710 PUERTO RICO, Mayaguez, WKJB, 1/29 familiar Puerto Rican IDs sung by woman "WKJB, Mayaguez" 0730, 0731. Sane Latin mx. Signal fair u/WGBS. (Thomas, FL)
- 710 ● VENEZUELA, Caracas, YVKY, "R. Capital" through nulled WOR with ads for places in Caracas 0112 2/6. (Connelly, MA)
- 720 ● COLOMBIA, Barranquilla, HJAN, at 0058 11/16 many "Bogotá's" must be Colombia. Got good tape of ID but can't interpret. Sounds like "transmito en Caras-a-uga estación Achay-Oka-Ah-Eh (something) Antigua (something) Sud America." Antioquia is a state in Colombia. Will send tape to anyone who will volunteer to interpret. (Curtis, VT) (How about HJAN, Achay-Hota-Ah-Eneh, en Barranquilla?-ed)
+2 SS stations vying for the frequency, finally caught "Bogotá", "Colombia" and "en Barranquilla" so HJAN was one, 0021-0043 1/21. (Curtis, VT)
+Atop Cuba w/SS talk mentioning Barranquilla, then slow SS ballad 0445 2/11. (Connelly, MA)
- 720 CUBA, Colón, CMGN, totally dominant, loud w/"La Voz de Cuba" ID, pompous march 0530 7/11. (Connelly, MA)
+8/2 0828 w/"La Voz de Cuba" ID at S-8. KDWN off and no sign of WGN. (Lobel, CA)
+U/WGN 0955 8/23. (Klemp, CT)
+11/25 0512 strong signal o/WOR slop. Program //590. Only 30 kw! (Apel, NY)
+Loud w/man and woman in SS, WGN way u/w/big band jazz 0546 12/19. (Connelly, MA)
+Generally alone on channel w/man and woman in SS 0543 2/6, occasional traces of WGN in background. (Connelly, MA)
+//600 w/monotone political speech o/u WGN big band jazz 0525 3/13. (Connelly, MA)
+Way over WGN w/SS talk by woman 0620 4/17. (Connelly, MA)
+Loud w/messy signal, trashy (overmodulated) audio w/circus-type steel band/calliope mx, then "R. Habana" ID and SS talk //640 0405 5/22. (Connelly, MA)
- 720 ● VENEZUELA, Porlamar, YVOE, is now "Radio Visión Oriente", due to go to 100 kw. Any Venezuelan station up to 950 can increase power to 100 kw; up to 1300 to 10 kw; and up to 1500 to 5 kw. (MWN, December 76)
+Possibly YVOE, slogan used was "La Emisora 'pop' Musical de Venezuela"; top 40 hits were played -- briefly over Colombia/Cuban 0135 4/22. (Connelly, MA)
- 725 COSTA RICA, San José, TILX, in well w/SS talk 0404 12/23. (Connelly, MA)
+Dominant here, Surinam apparently off. TILX has SS talk, good signal for listed 2 kw 0426 1/8. (Connelly, MA)
+Good, man in SS 0455 6/11. (Connelly, MA)
- 725 ● SURINAM, Paramaribo, SRS, excellent w/reggae song in EE Followed by vocal, tragic 50's "Teen Angel" style 0325 6/18. Absolutely pounding in, tied w/PJB-800 for loudest Latin award. (Connelly, MA)
+At monstrous level, S-9+55, killing adjacent domestic and Latins audible in 16 khz bandwidth, had "Let Me Roll it to You" by George Harrison at 0133, DD talk and ID 0147 7/10. (Connelly, MA)
+In very good playing EE "oldies" such as Crosby's "Sing a Song" and "Spanish Eyes". Caught Surinam in their pseudo-Dutch language. Good listening, 0015-0033 9/17. (Curtis, VT)
+Ultraloud (better than most domestics during aurora) program of Calypso mx, then talk in unfamiliar language 2315 9/25. Again belting in w/"Saturday Night" by Bay City Rollers 0206 9/26. (Connelly, MA)
+0325 10/9 w/frequent mentions of Copanahagen rock format.

(Klemp, CT)
 +In w/powerful signal, man in pseudo-DD 2219 10/23.
 (Connelly, MA)
 +Very strong 11/16, heard all over the house while taping easy listening EE recordings, mx was continuous w/out break 0032-0128 when ID was made. (Curtis, VT)
 +Excellent w/DD-like talk 0141 11/20. (Connelly, MA)
 +Loud w/DD talk, disco-jazz, EE talk and soul record 0047 11/24. Excellent w/Latin-jazz and vocal in wierd S. Pacific sounding language 2128 11/25. W/man in DD croaking CKAC/CMGN 2140 11/27. (Connelly, MA)
 +2320 11/25 good w/mx, jingle and what sounded like sports event in their pseudo-DD. Probably the most consistent South American received here. (Curtis, VT)
 +10 db stronger than CKLG-730 w/talk in unid Asian language and wierd mx sounding like a cross between US pop mx and mx from India 0845 11/29, earlier than listed s/on. (Portzer, WA)
 +0104 12/1 pseudo-DD talk, good as usual, man and woman interview program. (Curtis, VT)
 +Good w/US country western mx 2359 12/1. (Connelly, MA)
 +Mostly a carrier but came up nicely 12/8 0325 w/orchestral mx followed by man "Stitching Radio Omroep Suriname... Paramaribo" and more talk, presumably DD. Faded quickly in band mx which followed. Some TVI hum and CKLG-730 splash. (Hall-Patch, BC)
 +Potent w/Caribbean-style reggae-rock 2300 12/10. (Connelly, MA)
 +0045 1/21 in but not nearly as strong as usual. (Curtis, VT)
 +Strong w/man in non-European language 2257 1/21. (Connelly, MA)
 +1/25 2222 fair w/man and woman and what sounded like commercials. (Curtis, VT)
 +Signals heard here on occasion 0835-0950 1/25,26,27 and 30, but usually too much WGN and CKLG (which both seem to play brass mx at the most inopportune times) interference. Best signals 0900 1/27 when heard 15 seconds of instrumental mx followed by long talk in unknown language (which even though I didn't know the language sounded like a religious program). Just can't seem to get an ID out of them. (Oliphant, AB)
 +Fair w/mx 2353 1/30. (Connelly, MA)
 +Potent w/Hindustani talk, then "Could it Be I'm Falling in Love" by the Spinners (an incongrous mess) 0019 2/11. (Connelly, MA)
 +Loud w/SS female soul record 0040 2/23. (Connelly, MA)
 +At monster level w/reggae mx jamming adjacent channels 0013 3/14. Religious sounding song in unfamiliar language 2337 3/19. Good w/rock 0055 3/20. (Connelly, MA)
 +4/3 0007 usual good signal, some CKAC-730 splatter w/"DD" patois news? (Dunn, NS)
 +Pegging S-meter w/Latin style mx, then talk by man 0128, disco mx 0139 4/10. Signal ridiculously loud, better than most domestic skywave stations during extremely auroral conditions. (Connelly, MA)
 +Loud w/Stevie Wonder record 2344 4/16. Good w/"Take Five" by Dave Brubeck 0143 4/20. (Connelly, MA)
 +4/27 0256-0309 in good w/Dutch talk by man. 0300 Johnny Mathis "We Can Work it Out" and an ID. Now on short wave 4780. (Orr, CO)
 +Excellent w/calypso/limbo-style mx 0016 4/23. Fair w/female vocal 0011 4/29. (Connelly, MA)
 +Potent w/oriental-sounding talk (possibly Indonesian) 0118 6/6. Fair w/reggae mx/disco 0048 and good w/vocal mx 0121 6/12. (Connelly, MA)

726 t ECUADOR, Guayaquil, HCFA2, likely R. Guayaquil, briefly with cumbia 1/17 0710 but too much slop from Cuba-720. (Schatz, FL)

730 [BRAZIL, Petrolina, ZYK40, is now ZYB59. (MWN, September 76)

730 COLOMBIA, Bogotá, HJCU, good w/u CKAC w/presumed Cuban, good "R. Melodia" ID by man in SS, then uptempo Latin dance mx 0440 7/10. (Connelly, MA)
 +Very good w/SS introduction to players of a game 0343 9/19. (Klemp, CT)
 +Loud w/fast SS vocal mx, "R. Melodia" screamed over song 0555

- 11/28. (Connelly, MA)
 +O/u CKAC w/ID, female SS vocal 0554 12/19. (Connelly, MA)
 +1/3, clear "R. Melodía" ID 0902, then mx. Signal good till XEX
 fade up at 0905. (Thomas, FL)
 +Good overriding CKAC w/"Melodía" IDs 0545 2/6. (Connelly, MA)
- 730 GUATEMALA, Guatemala, TGN, 0310 10/30 w/trumpet solo heard u/XEX
 and //3300. (Welch, FL)
 +In very good running "Through the Bible" in EE. ID by man in EE
 0429 giving several short wave parallels. Program change to SS
 0430 12/2. Listeners invited to write for verifications.
 (Maloney, OK)
- 730 MEXICO, México, D.F., XEX, total null of CKLG 0405 9/22 yielded
 this strong and steady signal w/a sports event of some kind and
 a spot for a brand of "cerveza" (beer-ed). (Hall-Patch, BC)
- 730 TRINIDAD, Port-of-Spain, R. Trinidad strong and well atop
 channel 0002-0130+ 4/10 w/local news 0002 w/mention of upcoming
 government elections. Still strong when checked 0130 w/British
 accented man speaking. (Eckman, PA)
- 730 URUGUAY, Montevideo, CX10, R. Ariel has changed its name to
 Radió Continente. (SCDX)
- 735 ECUADOR, Quito, HCBG1, fair-good w/romantic SS vocal 0150 7/11.
 (Connelly, MA)
 t +Probable w/reverberated SS talk, fair, 1/8 0426. (Connelly, MA)
 + "R. Melodía" 0226 12/2 w/SS by woman about "Calidad", then into
 several straight Latin tunes, fair on peaks. (McNeil, DC)
 t +Good in SS 0358 2/6. (Connelly, MA)
 +Tentatively the one hovering just high enough to get a little mx
 through the noise 0517 2/11. (Lankford, TX)
 + "R. Melodía" 0027 ID and into SS male romantic vocal.
 (Lankford, TX)
- 735 PARAGUAY, Asunción, ZP7, R. Guaraní passed by for an all night
 Ecuador Monday morning 10/30 but didn't realize it till next
 morning. Too weak for Quito and 835 and 1306 were both in.
 Will log it next time, but still blew an unprecedented 3 new
 Paraguayans in one night! (Schatz, FL)
- 735 UNID, 0500 2/2 a bit of carrier o/u noise. Ecuador presumed.
 (Lankford, TX)
 +0030 2/15, two carriers here, the weak one about 100 hz higher,
 the stronger presumed to be Ecuador. (Lankford, TX)
- 740 COLOMBIA, Valledupar, HJNS, "R. Guatapurí" heard 0720 w/taped
 voice ID and into SS popular mx and also seemed to play some EE
 popular mx but could not be sure as terrible noise level at
 times almost sounded like a jammer. Heard while looking for
 KYME test. (Belanger, MB)
- 740 CUBA, Camagüey, CMJL, 1000 9/13. Briefly fair through the hour
 w/"R. Liberación desde la Habana Cuba" etc. ID w/sort of chime
 mx. KTRH and others soon took over. WRTH 75 lists CMAQ, Pinar
 del Rio, here also as R. Liberación, so perhaps this was both.
 CMJL is the more powerfull. (Hall-Patch, BC)
 +Dominant o/a jumble w/news of Cuba and USSR 0455 2/12.
 (Connelly, MA)
 +W/nonstop SS talk apparently about socialism, alternating with
 a station w/SS mx, Venezuela suspected. CBL/CBNM totally
 blanked by aurora 0138 4/10. (Connelly, MA)
- 740 MONTSERRAT, Plymouth, R. Antilles presumed the 10-12 second
 tuning signal here 11/22 0915-0930, seemed to be a harp or
 carillon, 10-15 notes, repeated every 20-30 seconds. FF talk
 0930-40 u/KCBS open carrier and unid country western mx (KCMC?)
 w/KTRH there too at times. No positive IDs. (Seaver, CA)
 +Assumed to be the one w/pop songs in FF, including an FF version
 of "Heartbreak Hotel", w/announcements by male announcer after

- each song 0949-0955 12/6 looping towards Caribbean. KCBS/KBRT open carriers both off, a rare occurrence on Monday mornings. CKLG slop finally got the better of them 0955. (Portzer, WA)
- +Still escapes me w/an ID, 12/13 0920-30 tuning signal 10 seconds long, 16-18 second apart continuous. FF talk 0930 and on. KCBS open carrier throughout and test tone 0932 killed it. (Seaver, CA)
- +Apparently the one w/chimes as described by Randy Seaver recently, 0920+ 1/3. Bad slop by CKLG-730 0928-0931 wiped them out, then male FF talk noted 0931. (Portzer, WA)
- +1/3 good from 0925 tune in w/Interval Signal, jazzy tune, FF s/on 0930 and into vocal mx interspersed w/FF talk. (Forth, IL)
- +Quick ID 1005 1/3 right before short instrumental mx w/another ID 1006 in FF. This station in and out since 0948 w/CKLG-730 interference. Country number 28. (Oliphant, AB)
- +Noted w/Interval Signal 0915 1/17 lasting 10 seconds (seemed to be a one finger piano tune) followed by about 7 seconds of silence. S/on 0930 in FF. (Oliphant, AB)
- +Continues to be a regular u/KCBS/KBRT open carriers most Monday mornings. Finally got a good "R. On-Tee" ID 2/7 0930:30 in FF. (Seaver, CA)
- +2/21 0949 in fair w/man in FF. KCBS/KTRH/KRMG all off. (Korinek, CA)
- 740 ● VENEZUELA, Maracaibo, YVNC, w/SS ID, then slow romantic mx 0208 9/26. (Connelly, MA)
- +Good o/CBL after CBNM s/off w/jingle ID "R. Maracaibo", then slow SS vocal mx 0507 2/11. (Connelly, MA)
- +U/CBL w/"R. Maracaibo" jingle and SS mx 0528 3/13. (Connelly, MA)
- +Loud and alone on channel w/numerous "R. Maracaibo" IDs and fanfare 0617 4/17. (Connelly, MA)
- +Atop CBL w/"R. Maracaibo" IDs 0438 5/22. (Connelly, MA)
- +Good w/CBL nulled, slow SS female vocal, "R. Maracaibo" jingle, SS talk at 0507 6/12. (Connelly, MA)
- 740 ? UNID, SS here 0942 11/8 w/EE rock and male announcer in what sounded like SS or PP, then another EE rock song, announcement 0945, then SS rock song. Faded in and out for another 7-8 minutes. (Bytheway, WA)
- +FF talk briefly 11/15 0950 u/KCBS open carrier. Montserrat? (Seaver, CA)
- +2/14 0959:50 weak SS talk. Sure sounded like a "R. Sutatenza" ID. I couldn't find anything that resembled it either. (Korinek, CA) (R. Guatapurí-Colombia and R. Maracaibo-Venezuela have been heard here and have about the same number of syllables as Sutatenza-ed)
- 750 ● COLOMBIA, Medellín, HJDK, 8/9 0559 w/religious mx, clear Caracol ID 0616. (Pejza, CA)
- +Probably the weak SS station w/clear mentions of Colombia 0732 2/13. (Tomer, CA)
- +Suspected as the nonstop SS w/Bogotá news heard behind WSB with stronger Venezuelan nulled 0348 3/11. (Connelly, MA)
- 750 JAMAICA, Port Maria, JBC, caught end of ID, Jamaica in EE 0500 w/Rock mx in EE and SS mx to 0600, man and woman announcers. Lots of interference and fading. (Williams, CA)
- 750 NICARAGUA, Managua, YNX, 1053 6/17 boosts to S-9+25 with Nicaragua mentions and time checks, good. (Newell, BC)
- +8/30 0600-0625 strong possibility here. SS w/Latin flavor mx. No audible Interval Signal, mucho KCBS-740 and KFMB-760 slop. Test tones 0625 wiped out chances of possible ID. (Lobel, CA) (Not sure but I think YNX w/off is 0600. If so, this would have probably been Venezuela-ed)
- +0500 9/16 w/Latin mx and solid mention of Managua, Nicaragua u/KFQD. (O'Hare, WA)
- +Poor-fair w/SS pop mx, ID 0530 as "La X". Slop from local KSSS-740 0522-0538 10/23. (Orr, CO)
- +11/25 0529 u/WSB w/weak but readable signal, Bee Gees mx, ID at

0530. (Apel, NY)
 +1/31 1100 w/many mentions of Managua. Many "La X" and "Y Cinco" IDs. WSB nulled and slop from KBRT testing. KCBS and KFMB were off. (Lobel, CA)
 +1/31 1115. Woman intoning "X-X-X" o/upbeat song, did that refer to the lyrics of the song? Mainly o/WSB w/fair-good signal. Still looking for Venezuela. (Hall-Patch, BC)
 +2/25 full ID 0430, soft Latin mx. Fair-good in WSB null. (Thomas, FL)
 +2/28 1115 3 "Y Cinco" IDs. Song "Yellow Days" sing in SS. (Lobel, CA)
 +3/25 0445 w/US top 40 and mx of Nicaragua, signal was strong w/little interference from WSB. (George, TX)
- 750 ● VENEZUELA, Caracas, YVKS, potent (well atop a low het) w/SS talk scratchy "R. Caracas" jingle, then US Middle-of-the-Road mx 0010 9/26. (Connelly, MA)
 +0005 11/16 very good w/Latin mx and "R. Caracas" IDs. (Curtis, VT)
 +2350 11/25 Latin mx poor vying w/WSB. IDs as "R. Caracas". (Curtis, VT)
 +Dominant w/ID "R. Caracas, La Voz Automovilista" 0552 11/27. (Connelly, MA)
 +O/low WSB growl w/"Something" by the Beatles, then SS song 0532 3/13. (Connelly, MA)
 +US top 40 mx w/SS top 40 announcer. WSB sometimes hardly noticeable 0720 4/3. (George, TX)
 +YVKS must have changed format: nonstop classical mx totally burying WSB baseball game 0030-0100, SS talk 0100, more classical mx 0100-0230, finally a very low-key "R. Caracas" ID 0300 4/5 mixing w/other Latin. (Connelly, MA)
 +On pop mx format w/KC and the Sunshine Band record, then "Radio Caracas" SS ID, then more disco-rock, atop other SS which was nonstop talk, possibly a baseball game - this likely Colombia 0210 4/20. (Connelly, MA)
- 735 ? UNID, carrier not looping Indonesia 1220 2/14. Appears to be a Latin but nothing listed. (Peterson, CA)
- 758.5 ? UNID, 0131 2/12, weak audio, female vocal, language unid because too weak. (Lankford, TX)
- 760 ● COLOMBIA. Barranquilla, HJAJ, good w/soul-style SS vocal with brassy instrumentation, then "La Voz de Barranquilla" ID by man in SS 0435 7/10. (Connelly, MA)
 +10/11 0826 w/SS mx and talk, "La Voz de Barranquilla" ID. (Orren, WA)
 +In fair-good generally o/interference, including WJR and another unid SS. Had news and ID as "La Voz de Barranquilla" 0012 11/1. (Morby, NY)
 +Ultraloud w/"La Voz de Barranquilla" and "R-C-N" IDs 0626 11/26. (Connelly, MA)
 +In quite well w/lots of lively mx (tropical?) and lots of drums. Heard 0920-40 12/13 w/WJR looped. Had 4-5 records in a row--my kind of station! (Peterson, CA)
 +Noted w/good signal 0939 12/13. (Portzer, WA)
 +Atop WJR w/"La Voz de Barranquilla" ID, SS talk 0430 12/19. (Connelly, MA)
 +Good o/under WJR w/"R-C-N" IDs and news about Barranquilla 0055 12/31. (Connelly, MA)
 +1/24 "La Voz de Barranquilla" ID 0747 by man, Latin mx. Fair signal o/Cuban, u/WJR. (Thomas, FL)
 +1/31 clear on frequency 0102-0113 2/SS talk, 2 IDs, ads, poor. (Orr, CO)
 +Totally dominant w/numerous "La Voz de Barranquilla" IDs, then "Castalia" beer(?) ad 0508 2/6. (Connelly, MA)
 +0133 2/12 fast announcer talk, maybe sports, ID as "La Voz de Barranquilla, R. Cadena Nacional" 0138, strong for over 45 minutes. (McNeil, DC)
 +Noted w/good "La Voz de Barranquilla" ID 1000 2/14. (Tomer, CA)
 +Atop WJR and other Latins w/brassy song w/drum accompaniment,

- "La Voz de Barranquilla" ID, names of listeners 0535 3/13.
(Connelly, MA)
- + "La Voz de Barranquilla" IDs good in null of KFMB after slow Latin mx 0615 4/8. WJR blanked out by aurora. (Hall-Patch, BC)
- + Bombing in w/fast, repetitive dance mx 0130 4/10. (Connelly, MA)
- + Strong w/WJR nulled, "R-C-N"/"La Voz de Barranquilla" IDs, SS dance mx 0510 6/12. (Connelly, MA)
- 760 CUBA, La Habana, CMCI, 1/3 1200 w/many time checks and male announcer giving news. Mixing w/WJR. (Lobel, CA)
- 760 MEXICO, México, D.F., XEABC, w/talk 8/2, ID at 1054. (Pejza, CA)
- + 8/30 0945 w/good ID in WJR null. KFMB off. (Lobel, CA)
- + Good 1133 12/27 w/"R. Internacional" ID, then cuckoos and big ben chimes which were apparently the beginning of a cutesy song w/"clockwork" sounding mx. (Portzer, WA)
- + 0800 1/23 u/KFMB, male announcer but not intelligible. (Aden, OR)
- 760 VENEZUELA, Puerto la Cruz, YVQQ, good, dominant w/SS mentions of Puerto la Cruz 0057 6/11. (Connelly, MA)
- 765 t EL SALVADOR, San Miguel, YSKLB, weak signal, poor audio, SS mx, just not able to ID 1/8 0530-0540. (Tull, MO)
- + 0559 2/13 definite "YSKL" ID followed by "Lone Ranger" like anthem and into open carrier. (That's the El Salvador National Anthem you heard-ed). Again "YSKL" ID then anthem into open carrier w/het from 764 which was likely Senegal, but 765 open carrier remained, 0558 2/14. (Lankford, TX)
- 765 ? UNID, EE rock up out of the noise 0505 6/2, followed by SS male announcer. El Salvador presumed. Also 0525 7/2 w/ad for "Mundo Electronico". (Lankford, TX)
- 770 COLOMBIA, Bogotá, HJKH, 0803 10/25 heard noted like NBC chimes only higher, might have been an organ. Then "Somos (?) somos R. Tequendama, somos Todelar, ..." then three more notes on organ, different from the first. Poor-good w/up tempo mx prior to ID but audio occasionally twisted which made parts of the ID none too clear though there was little interference. KOB off naturally! (Hall-Patch, BC)
- + O/under WABC w/disco-rock, "R. Tequendama" ID 0622 11/26. (Connelly, MA)
- + W/Colombian tropical mx in SS w/frequent IDs 3/3 0626, fair to super strong w/some WABC interference. (George, TX)
- + 4/13, ID as "R. Tequendama" and location mentioned 0633, Latin mx, fair-good o/weak WABC. (Thomas, FL)
- 770 JAMAICA, Spur Tree, RJR, noted surfacing briefly for a few seconds through nulled WABC w/several accented "RJR" mentions in EE, occasional rock mx noted, 0600 1/16. (Connelly, MA)
- 770 PANAMA, Chitré, HOL47, good 0630-0645 10/25 w/KOB absent. Lively Latin mx and "R. Liberación" ID. (Bytheway, WA)
- 770 URUGUAY, Montevideo, CX12, R. Oriental, weak signal on 8/12 at 0015, SS, sport. (Herbst, West Germany)
- 770 ? UNID, 1/31 non-stop easy listening mx (some w/Latin flavor) 0635-0738+. No ID, only single test tone 0708. Still in 0815, gone 0915. Fair-good in WABC null. Not even sure this is Latin but failure to ID suggests non-domestic. (Thomas, FL) (Quite possibly a domestic anyway as many stations seldom, if ever, ID during late night equipment tests-ed)
- 770.5 ? UNID, I've been watching this one for weeks. Often strong around 0030-45, looping northern South American or Caribbean, seldom any audio, sounded SS once. (Lankford, TX)
- 775 COSTA RICA, San José, TIW, "R. Uno", 0352 Emerson, Lake and Palmer's "Lucky Man", several soul/disco tunes, man w/SS talk,

- good in peaks, which reminds me, did you ever notice how Latins always fade up during the mx, but by the time the announcer is talking, it has always plunged into the mud? It drives me crazy sometimes. (McNeil, DC)
- +Soft EE rock, "Riders in the Storm", "R. Uno" ID 0533 7/2. (Lankford, TX)
- +Fair w/"SWAT" theme 0152 7/11. (Connelly, MA)
- +7/25 0505 rock w/ID w/fair signals. (Newell, BC)
- + "R. Uno" ID 0448 9/5 just as I was peaking the signal, EE Middle of the Road mx, interference from KOB-770. (Oliphant, AB)
- +Surely the one heard 0510-0535 10/2 w/EE rock and country western mx and SS announcements, and again 0558 10/4 w/Simon and Garfunkel's "El Condor Pasa". Good on peaks but many frequent deep fades. KOB/KCRL slop usually not too bad. (Portzer, WA)
- +0605 10/13 finally caught "R. Uno" mention by man u/KCRL splat. Who says classical mx is quiet? Poor-fair signal. (Hall-Patch, BC)
- +Heard 0350-0355 10/30 w/ID followed by mx. Clear signal. (Welch, FL)
- +In w/slow Jackson Browne-style vocal 0428 1/8. (Connelly, MA)
- +Good w/emotional SS talk, then "Oh Darling" by the Beatles 0510 2/11. (Connelly, MA)
- +2/20 0130 playing "San Francisco Nights". Announcement in quiet SS followed by Stevie Wonder. Very Strong. (Davis, GA)
- +W/US pop mx, lots of slop from WBBM/WABC/Columbia 4/5 0545. (George, TX)
- +Good w/"I'm Your Captain" by Grand Funk Railroad 0508 4/7. (Connelly, MA)
- 775 ? UNID, looped to Latin America, poor level 1/8 2315-2330 slow SS mx. Long fades, too weak to ID. (Tull, MO)
- 775.1 NICARAGUA, R. Mundial, time checks for Central America 0945 11/1 not too strong. (Schatz, FL)
- 780 BRITISH VIRGIN ISLANDS, Roadtown, ZBVI, well atop Cuban, reggae mx program peaking up well 2336 9/25. (Connelly, MA)
- +Fair 12/29 1003 w/organ mx, s/on ID in EE, some sort of hymn or anthem. WBBM was testing w/open carrier and test tone at this time but miraculously they cut their carrier just before ZBVI's s/on. Heavy interference from the Cuban and at least one other SS station which must have just signed on. WBBM back on regular schedule at 1006. (Lazar, WI)
- +Way o/WBBM w/mushy instrumentals, time check 7:30, ad for boating supply/hardware place in Christened, St. Croix (phone was 773-1498), then more schmaltzy mx 2332 1/24. (Connelly, MA)
- +W/reggae o/u Cuban w/SS news, an even mix, 0021 1/24. (Connelly, MA)
- +Well atop WBBM w/reggae mx, then "Roots-rock-radio" slogan bellowed through reverberation, then jive-talk 2340 3/31. Noted w/God Save the Queen at s/off, dominant during heavy auroral conditions 0210 4/5. (Connelly, MA)
- +4/14 0130-0200 Caribbean-type disco mx w/ads for local market by black female announcer in accented EE. Very poor audio with WBBM nulled, and extreme Cuban interference. (Davis, GA)
- +Loud and dominant w/Caribbean-style disco mx 2348 4/16. (Connelly, MA)
- +Dominant w/local ads, sponsor's phone number (772-0925) given, atop SS station 0018 4/23. (Connelly, MA)
- +Good w/soul record 0047 6/1. (Connelly, MA)
- 780 ● COLOMBIA, Cali, HJZC, noted w/WBBM w/frequent SS mentions of Cali, the usual Cuban had drifted well off to the high side of 780 0345 3/4. (Connelly, MA)
- 780 CUBA, Camagüey, CMJN, good w/man and woman in SS, talk about Angola way o/WBBM 0433 7/10. Noted wobbling around 785 khz 0435 6/27. (Connelly, MA)
- +Atop WBBM w/nonstop SS political talk 0620 11/26. (Connelly, MA)
- +11/25 0533 w/good signal w/WBBM and het //CMW-590. (Apel, NY)

+Fair and all alone 0832 12/29 w/"La Voz de Cuba" ID, news, talk by man about the US. WBBM off. Didn't seem like listed 60 kw, was much weaker than CMQ-640. (Lazar, WI)
+Has re-established its frequency, noted o/WBBM w/man and woman in SS w/news mentioning Angola 0537 3/13. (Connelly, MA)
+On frequency w/man in SS, reggae mx was well behind 0155 4/10. (Connelly, MA)
+Loud w/comedy-drama in SS 0255 5/22, dull sounding talk o/SS mx (possibly Colombia) and other Latins 0403 5/22. (Connelly, MA)
+O/under WBBM w/political talk by man in SS 0457 6/11. (Connelly, MA) (see also 784/785-ed)

780 [?] UNID, SSer o/classical mx program. SSer was using reverberation and seemed to have ads (hence likely not Cuba), Venezuelan or Colombian suspected 2234 11/13. (Connelly, MA)

784 CUBA, Camaquëy, CMJN, FMy Cuban signal here 0430 3/6, not noted since. (Foxworth, NY) (see also 780/785-ed)

785+5 CUBA, Camaquëy, CMJN, has been lately noted drifting all over the place w/a rough wobbly carrier, its frequency control has gone berserk, drifting as high as 790, annihilating semi-local WEAN, as heard 0343 3/4. This should easily make it across the Atlantic. (Connelly, MA) (see also 780/784-ed)

800 BRAZIL, Rio de Janeiro, ZYD2, R. Ministerio de Educacão e Cultura, 4/7 0240-0300 classical mx o/fairly weak PJB. (Wood, St. Lucia)

800 MEXICO, Ciudad Juárez, Chih., XEROK, has applied for 500 kw and is presently operating w/124 kw. All programs are pretaped. (Harrington, CO)
+1/24 0840. So they finally got an 800 phone number! New number is 800-325-6400. (Lobel, CA)

800 MEXICO, Tijuana, B.C., XEMMM, 2/6 1020, this one's usually off Monday mornings, but not this one. Had rancho mx. Hope they didn't go NSP! (Lobel, CA)

800 NETHERLANDS ANTILLES, Bonaire, PJB, Central American broadcast heard daily 2245-2300 w/fair signals, talk, mx and "R. Transmundo" ID. S/off about 2259 then strong North American and Europe s/on 2300. (Thomas, FL)
+Strong w/Christian hymns, program had male announcer in EE o/u CKLW 0432 7/10. No sign of 600 kw Brazilian so assume not on yet. (Connelly, MA)
+8/2 0840 in PP. Male talking about Jesus Christ and the Bible. S-10 signal but easily nulled. (Lobel, CA)
+0200 9/17 w/religious SS/EE wiping out CKLW! (Klemp, CT)
+0/20 0807 all alone on the frequency in PP. Some interference (slop) from KABC-790 but very little. Male announcer, S-10 signal. (Lobel, CA)
+At masher level w/SS talk and religious mx, no trace of any other stations on the frequency 0140 9/26. (Connelly, MA)
+In like a ton of bricks 0400 10/15 w/EE religion, single pip on the hour and Trans World Radio ID followed by more religion. Had to null this to get semi-local CJJC. (Hall-Patch, BC)
+2320-0025 10/16 w/mx in EE w/SS announcements, ID as "Radio Nederland", Dvorak symphony announced in several languages, mx. Strong signal w/CKLW in background. A regular now. (Welch, FL)
+Fair 0230-0259 w/religious programming o/u XEROK 10/21. (Orr, CO)
+Alone on channel w/man in SS good 2231 11/13. (Connelly, MA)
+W/"R. Nederlands" EE and DD service, EE news features show till 0010, then into DD news, clear "R. Nederlands" IDs at 0003 in EE 0014 and 0026 in DD, 2358-0030 11/23, s/off and shutdown at 0030 in DD. (Gerardi, IL)
+Trans World Radio totally dominant during auroral conditions, SS ot PP 2237 1/6. (Connelly, MA)
+1/15 0440-0450 religious program, sermon w/hymn bombing out the rock of CKLW. No ID but format is familiar. Faded out after

0453. (Townshend, DC)
+2/5 0000 EE/DD "R. Nderland" w/"Your request" show, 0005 s/off, into DD news and commentary, s/off 0030 w/flute tune, then Trans World Radio s/on. Good. (McClenaghan, ON)
+Ultraloud, way atop CHRC, no sign of CKLW, PJB had EE news about Caribbean area 0457 2/6. (Connelly, MA)
+Heard 2/21 0506 w/SS "Transmundial" ID and into religious program. Normally dominant XEROK was off and reception was poor to fair. XEROK returned by 0600. (Bixby, CA)
+In like a local w/classical mx by Dutch Concertgebouw Orchestra, then announcement in EE, FF, DD and SS 0015 4/10. (Connelly, MA)
+Good w/man in DD 0019 4/23. (Connelly, MA)
+Alone on channel like a local w/EE choral vocals 0402 5/22. (Connelly, MA)
- 805 ? HONDURAS, Tegucigalpa (?), "R. Yorosca" is the best ID I can draw out of this one so far. Name could be a company abbreviation, from "Toro SA" or similar. PJB nulled, no choice. Will keep working on it. (Schatz, FL) (see Foreign Log, Volume Five for more information-ed)
- 805 ? UNID, Latin American, weak carrier 12/6 1115. (Seaver, CA)
+Latin 12/13 1114, likely Central American, poor audio. (Seaver, CA)
+Nicaragua possible, open carrier here 0605 1/16. (Connelly, MA)
- 810 ● COLOMBIA, Bogotá, HJCY, way o/WGY, S-9+40 w/festive SS mx having xylophone, drum and brass accompaniment, then mention of Colombia 0137 7/11. (Connelly, MA)
+8/2 0850 w/what sounded like s/on announcement w/list of Radio Sutatenza outlets. Many mentions of Colombia. S-10 signal. Was trying to ID a Mexican, known not to be XERSV, when in boomed HJCY taking over completely and making it impossible to ID the Mexican. (Lobel, CA)
+8/30 0958 w/male announcer in SS mentioning "R. Sutatenza". S-9 w/KGO off. 9/6 0920 "Buenos dias" program w/many chimes. S-10 signal, KGO off again. (Lobel, CA)
+10/11 0925 w/SS talks and mentions of Cali way o/CHQR. (Orren, WA)
+11/18 0945 w/many "R. Sutatenza" IDs and frequent mentions of Bogotá. (Lobel, CA)
+W/S-9 signal 0914-0938 11/22 w/tropical mx and clear IDs 0918 and 0925 by man as "R. Sutatenza, Bogotá". (Gerardi, IL)
+Noted 0040 12/3 //5075 and fighting it out w/WGY even though upper and mid-latitude conditions were excellent. (Stanbury, ON)
+Heard 1000-1015 12/6 w/SS mx and "R. Sutatenza" IDs. (Tomer, CA)
+1/17 "R. Sutatenza" ID, SS talk by man 0023 2/11. (Connelly, MA)
+Equalling WGY w/ID, mentions of Bogotá 0303 4/5. (Connelly, MA)
+O/WGY and unid which had slow Latin mx, HJCY was running a game w/an announcer who screamed and wailed when a goal was scored, program seemed //700 0230 4/22. (Connelly, MA)
- 810 t GUATEMALA, Flores Petín, TGFP, R. Tikal, 4/2 short vibraphone lead-in to s/off 0600 w/ID and National Anthem (?). Think soft instrumental mx ("Misty", "Ebb Tide" etc.) belonged to this station but not positive. Fair w/WGY interference. (Thomas, FL)
- 810 MEXICO, Ciudad Obregón, Son., XERSV, w/excellent signal after 1300 s/on 12/5. Took over from CHQR. No TPs heard on this frequency as yet. (Kaskey, CA)
+1/3 w/"XERSV" ID 1045. Often heard u/KGO in early evening and is IDing as "R. Alegria". (Tomer, CA)
+2/6 0150 using "R. Alegria" IDs instead of listed "R. Varidades" Finally logged this station, now will become taped verie. When did they go to new ID? (Lobel, CA)
- 810 MEXICO, Tampico, Tams., XEFW, easy daytimer on the coast as far as western Louisiana. But get this: some interference from XERI in Reynosa! (Schatz, TX)
- 820 ● COLOMBIA, Cali, HJED, excellent w/slow SS vocal, Morocco-818 het

present, 0431 7/10. (Connelly, MA)
 +Plowing in w/orchestral mx, then semi-operatic SS vocal 0610 11/26. (Connelly, MA)
 +SS news w/most every dateline "Bogotá" u/WBAP but able to loop in. Good but deep fading 0517 1/6. (Curtis, VT)
 +O/het rumble w/SS mx 0556 2/6. (Connelly, MA)
 +"La Voz de Río Cauca", 2/12 0245 SS fútbol game, at one point announcer yelled "Goal - Cali, Cali, Cali, Cali, Cali, Cali!!", occasional whistle, 0310 ID, mention of Cali, Bucaramanga, and equippa Colombiana. (McClenaghan, ON)
 +Suspected w/nonstop SS mx here at loud level, a repetitive Latin song w/a Dixieland jazz ending good 0540 3/13. (Connelly, MA)
 +Loud, way o/WBAP w/ID as "La Voz en el Camino" (CARACOL slogan) 0605 4/17. (Connelly, MA)
 +Loud w/SS news from several South American cities 0517 6/12. (Connelly, MA)

- 820 ? CUBA, "R. Habana Cuba" ID and address heard here 0142 1/26 Followed by "Nuestras Artistas" program, this presumably the former R. Córdón de la Habana transmitter and R. Habana Cuba's first medium wave outlet. (Stanbury, ON)
 +Heard here again 0400 2/5, this time IDing as "Cadena Provincial". Presumed then, based on last week's reception, it is this relatively new broadcast band network which on occasion relays Radio Habana Cuba. (Stanbury, ON)
- 820 SURINAM, Paramaribo, R. Apintie, Hindi 4/6 0845. Weakest of the Surinamese and not noted during daylight. (Wood, St. Lucia)
- 825 COSTA RICA, San José, TIOS, Titania 0145 6/15 familiar Latin romantics by man w/woman ID 0147, poor on longwire w/some trouble from WBAP. (Newell, BC)
 +Good w/"Don't Want to be Lonely" (Soul song), then slow SS country western vocal, Connie Francis style and superimposed "Titania" automated ID by woman, low ear grinding het from Panamanian 0203 7/11. (Connelly, MA)
 +Varied levels at 0427 6/19, 0507 7/11, 0700 7/17 w/same format of romantics and IDs between disc skippings. (Newell, BC)
 +0720 7/18 w/pop mx including some EE versions of US rock hits. The only station logo I heard was simply the word "Titania" in a bubbly female voice dropped into the introduction of each record. Occasional interference from WBAP-820 or WCCO-830 on my hi-fi set. (Korn, CA)
 +Fair w/automated ID by woman, then slow mx, badly junked by potent 827 AA mess 0450 11/6. (Connelly, MA)
 +"Titania" excellent 11/14 0622 w/US rock, SS romantic mx, woman says "Titania" o/the mx. (Seaver, CA)
 +0730 11/21 w/pop rx and talk, no ID heard. (Orren, WA)
 +11/26 0624 definite S-7 carrier. Audio faded up soon after. EE and Middle-of-the-Road mx. (Hanavan, CA)
 +Fair w/soft SS vocal, canned "Titania" ID 0611 11/27. (Connelly, MA)
 +Booming in w/"Titania" ID and rock mx 0753 12/20. (Portzer, WA)
 +Fair w/slow SS vocal (style of Englebert Humperdinck) 0430 1/8. (Connelly, MA)
 +Good signal, SS mx, slow, too much sideband splash, unable to get good ID 1/8 0545-0605. (Tull, MO)
- 825 PANAMA, Macaracas, HOR56, Costa Rica at first dominant w/man in SS w/professional announcing style, then Panamá rose atop with fast SS talk (sounded like a political speech) w/several mentions of Macaracas 0539-0540 12/19. (Connelly, MA)
- 825 ? UNID, 11/27 1115 in poor w/SS talk by woman. Thought maybe Costa Rica but schedule in WRTH s/on is 1200. So maybe Panamá, but don't think so. (Korinek, CA) (I believe Costa Rica is NSP-ed)
- 830 t ARGENTINA, Zapala, LRA17, 1/1 surfaced periodically 0000-0020 w/man yelling "R. Nacional...???" (very murky location mention but sounded like Zapala), then raucous mx. Signal nil-weak with

- interference from WCCO and unid Latin. (Thomas, FL)
- 830 DOMINICAN REPUBLIC, Santo Domingo, HIJB, good w/ID by callsign, then fast paced Latin mx o/second Latin 0202 4/21. (Connelly, MA)
+Dominant, number 1 hit "Cancon de Amor" played, then SS mention of Dominican Republic 0400 5/22. (Connelly, MA)
- 830 HONDURAS, Tegucigalpa, HRSP, 4/25 0630-0700 w/frequent "Radio Moderna" IDs by woman w/time checks. Soft Latin mx and male announcer. Fair in WCCO null. (Thomas, FL)
- 830 MEXICO, Culiacán, Sin., XEVQ, 9/20 0543 w/"R. Musical" ID buried in noise and WCCO null. (Lobel, CA)
+12/5 w/"R. V-Q" ID 1333 after mucho talk and rancho mx. Atop frequency. (Kaskey, CA)
+1/28 0150 w/many "V-Q" and "X-E-V-Q" IDs, soft mx. (Lobel, CA)
+Strong 1320 2/14, mixing w/WCCO, KIKI and Japan for a real mess. "R. Mexicana" IDs. (Tomer, CA)
- 830 MEXICO, México, D.F., XELA, presumed the one w/classical mx 9/9 0515, but no ID heard, SS announcements though. (Pejza, CA)
- 830 NICARAGUA, Ocotal, YNMG, a real suprise 0345-0420 3/24 with rancho mx, which led me to think I had a Mexican until I finally IDed them. Very few announcements heard, but did have a time check 0402 followed by "... R. Pinares, transmite... Ocotal Nueva Segovia, Nicaragua, América Central..." Apparent s/off 0420 w/Nicaraguan National Anthem but announcement was buried u/WCCO. Good-poor signal w/aurorally attenuated WCCO looped out and usually not too much of a problem. (Portzer, WA)
- 830 PERU, Tachna, there will be a new station here with 10 kw. (MWN, November 76)
- 830 VENEZUELA, San Antonio de Los Altos, YVLT, "R. Sensación" 0404 12/9. After rhythmic Latin mx, man said "Sensación, doce cuatro minutos" and announced song "Adios María". Audio quality not too good and "Sensación" not too clear but Atlantic Standard Time time check clinched it. Nil-fair signal, no WCCO. By 0430 however, WCCO completely dominant. My first Venezuelan and about time, too! (Hall-Patch, BC)
- 830 [?] UNID, soft instrumental mx, classical (?) in WCCO null 0500 3/24 No ID noted across the hour, but man talking 0511 seemed to be SS. Nil-fair signal, murky at best. (Hall-Patch, BC) (Format fits XELA-ed)
- 834 BELIZE, Belize, R. Belize, varied levels 0447 6/19, 0507 6/21 fair, 0447 6/24 poor, upholding North American style. (Newell, BC)
+Good w/woman in accented EE who read off listeners names, then a mushy Mat Monrow-style vocal was played 0430 7/10. (Connelly, MA)
+Was noted on 7/31 at 0435 w/a musical request program in EE. ID was given 0445. This station was heard until 0458 when it faded out. Signal strength was good. (Baker, South Africa)
+8/24 0038 poor-fair w/fading, EE recordings, good listening, woman gave frequent time checks. (Curtis, VT)
+"Best rock in Belize" 0401 8/29 during old Beatles songs (what other kind are there). Much static this night but gets stronger each night I check them. (Oliphant, AB)
+W/man ID 0500 10/31 as "R. Belize" gave time as 11:00 and said a prayer. (Wilson, CA)
+Noted 0415 11/3 w/Buck Owens, then man w/ID 0416 said country western program was on Wednesday and Fridays. Nil-fair, with bad noise. (Tomer, CA)
+11/22 1200 in excellent w/s/on in EE. (Korinek, CA)
+W/religion, loud, 1210 12/3. (Manning, CA)
+1/5 in loud and clear w/Benediction, full ID, National Anthem, "God Save the Queen" verse at s/off 0510. (Thomas, FL)

- +Noted at best level in ages, Tammy Wynette' record played 0432 1/8. (Connelly, MA)
 - +Good w/BBC news, then woman announcer into mx 1/8 2332-2336. (Tull, MO)
 - +W/ID 0440 1/13 as "of course you're listening to country western mx from Radio Belize" fair signal w/some WCCO. (Oliphant, AB)
 - +Excellent clear signal w/jazzy sounding vocal 2/1 0455. Better strength and quality than WCCO. (Hall-Patch, BC)
 - +Good w/basketball game (in EE) 0457 2/12. (Connelly, MA)
 - +2/21 0340 w/British announcer and mention of Belize. Ballad type mx. Many bad fades, S-8 on peaks. (Lobel, CA)
 - +Weak 0450 2/28 w/Brenda Lee song. 3/1 0445 in fair and steady w/jazz. (Tomer, CA)
 - +Strong w/mx, then s/off announcement 0506 3/5, then local anthem and "God Save the Queen". Left carrier on for at least 10 minutes after that. (Portzer, WA)
 - +0453 3/24 powerful steady signal w/no fading. Ray Charles song announced by woman announcer. (Hall-Patch, BC)
 - +3/24 0440 cowboy mx w/EE announcements and "Happy Birthday to.. fair w/fading. (Curtis, VT)
 - +Weather, news, classical mx, ads, signal fair 4/4 0309. (George, TX)
 - +Very good w/ID slogan identical to that in WRTH 0200 4/21. (Connelly, MA)
 - +4/27, 28, 29 anytime between my local sunset and their s/off (usually around 0510). (Hogan, IN)
 - +Good w/SS program 0417 5/22. (Connelly, MA)
 - +Good w/disco-rock 0459 6/11. (Connelly, MA)
- 834 ? UNID, 8/15 someone producing a horrible het off the high side of WCCO. Who in the world could this be? Highly suspect it was Belize. (Dale, MO)
- 835.2 PARAGUAY, Villarrica, ZP6, R. Guairá, taken for just another exotic Ecuadorian, but the Paraguayan-like mx didn't fit. The "5:40" time check 0840 10/40 clinched it. Quite unexpected. (Schatz, FL)
- 840 ● COLOMBIA, Santa Marta, HJBI, now is 50 kw. (MWN, September 76)
- + "Ondas del Caribe" heard w/this 0450 9/24 atop WHAS. (Godwin, OR)
 - +After pop song 0451, heard Eastern Standard Time time check, short bit of instrumental mx, then spiel by man w/mentions of "Ondas del Caribe" and Colombia. Perhaps s/off (?) as it seems to disappear after anthem-sounding mx 0455. WHAS nulled, fair w/bits of KTAC-850 slop. (Hall-Patch, BC)
 - +In loud o/under WHAS w/lively Latin mx and lots of "Ondas del Caribe" IDs. (Tomer, CA)
 - +Booming in w/boistrous mx and lots of "Ondas del Caribe" IDs 0420 3/13. No sign of aurorally attenuated WHAS. (Portzer, WA)
- 840 MEXICO, Celaua, Gto., XEFG, 2/24 1249 must be the SS o/WHAS w/SS popular mx and "R. Juventud" ID. (Korinek, CA)
- 840 PANAMA, Panamá, HOL80, behind WHAS w/"R. Libertad" ID and mention of Panamá over a third station (probably Cuban per programming) 0600 2/6. (Connelly, MA)
- 840 ? UNID, Haïti a possibility but WRTH gives 0100 s/off time. Non-STOP FF talk o/SSer 0210 7/11. (Connelly, MA)
- +8/19 0001 FF like a political speech, 0022 another station with Bingo in SS w/interspersed mx, 8/20 0000-0009 FF speech, 0015 hymn, 0017 Latin mx w/man rapidly hollering w/Latin mx, 0030 probable ID, jumble of ascending bubbly tones, 8/24 0012 FF again, 0016 Latin rock mx, 0020 another Latin giving language lesson, woman gives word, man repeats. 0036 WHAS took over. Help! (Curtis, VT) (The FF hymn, and maybe the language lesson were likely Haïti, not sure who the SS was-ed)
- a? +Strong het noted Sunday morning 9/12 and Monday morning 9/13 coming from 839. Choral group 9/12 and EE country western mx

- but no announcements between songs or on hour 0400. Seemed to be 2 SS stations at times, WHAS nulled (w/CBS Mystery Theater just before 0400). (Pejza, CA)
- +SS s/on (or fadeup) 1200 9/27; SS talk till 1210, then mx with brief talk between selections. ID sounded like "La Voz de la Antagua". Sunrise times would seem to indicate a Mexican. Any ideas? (Oliphant, AB)
- +Who was the station in null of WHAS 10/15 0330-0400 playing continuous old rock w/no talk or IDs? (Hall-Patch, BC) (Your friendly neighborhood bootlegger?-ed)
- + "R. Universal" ID heard in SS behind WHAS 0559 11/26. (Connelly, MA)
- +Heard nil-fair w/beautiful mx. No IDs heard at 0530 or 0600 and no sign of WHAS. (Hall-Patch, BC)
- 842 a? UNID, sounds Cuban, poor-fair w/SS talk, muddy audio 0603 11/26. (Connelly, MA)
- 850 COLOMBIA, Bogotá, HJKC, 1/17 woman w/ID 0903, news by man until 0923, then mx. Fair signal w/fading. (Thomas, FL)
- 850 GUATEMALA, Guatemala, TGX, "R. Ciroc" in weak-good but mostly weak w/mx and spots 0851 8/1. (Clements, CA)
- t +9/20 0905 had to be this one w/mentions of Guatemala and Central American mx. Sounded like a conversation between 2 men following mx. Too much noise to be really certain of this one. (Lobel, CA)
- +1/24 0802-0812+, "R. Ciroc" ID after easy listening mx songs on "Festival" program. Good signal (KOA off). (Thomas, FL)
- 850 MEXICO, Hermosillo, Son., XEUS, "R. Universidad de Sonora" was reactivated on August 2, 1976, with 1 kw. Schedule is 1600 to 0300. (SCDX)
- 850 PUERTO RICO, Aguadilla, WABA, 1/31 w/Latin mx, numerous mentions of Puerto Rico, ID 0900 by man and sung by woman "WABA Aguadilla." Fair signal killed by WKIX test 0905. (Thomas, FL)
- 854 PERU, Lima, OAX4A, "R. Nacional" heard disappointingly weak compared to Dominica-545 w/mx 0922 11/1. (Peterson, CA)
- +Here most mornings 0900-1100 fair-nil, often w/Andean mx which sounds oriental on occasion. Fair 11/15 1025. West Coast Indonesia hunters beware of this one! (Seaver, CA)
- +Super 11/22 0935 w/good ID and Andean mx. (Seaver, CA)
- +11/29 in fair around 1015 w/man in SS and soft mx, occasional "Buenos días nacional..." 1029:30 "Esta es R. Nacional de Perú." (Korinek, CA)
- +W/ID and Andean mx 1023 12/20. Heard at this time every Monday morning that I try since mid-1975. (Korn, CA)
- +Something noted on split frequency 1010 12/27 but mostly unreadable until 1038 when faded up for ID as "R. Nacional de..." (Perú, assumably), then instrumental mx. Faded 1043. (Oliphant, AB)
- +0555 1/17 strongest ever heard w/usual native "background" mx o/talk from Murcia. Completely divisible w/LSCA antenna. 1/17 morning was an excellent night for Deep South Americans. (Schatz, FL)
- t +Tentatively the one here peaking to 20 over S-9, but slop from 850 covered what sounded like "R. Nacional" ID 0503 2/11, then into mx w/drums and flutter from TA 0430 2/14. (Lankford, TX)
- 860 CUBA, La Habana, CMCA, R. Metropolitana ("Metro" for short) now here from 820. (Schatz, FL)
- t +Suspected on this SS since had nonstop talk 0956-1015 1/10. Hoped for Dominican Republic instead. No definite ID heard, weak signal. (Peterson, CA)
- 860 DOMINICAN REPUBLIC, Santo Domingo, HILR, "R. Clarín" loud and clear 0922 11/8 w/a bunch of ads and mentions of "Clarín". (Bytheway, WA)
- +Noted fighting it out w/Panamá around 0930 11/9. W/the

- possible exception of some weekend transmissions, this frequency is no longer parallel to either of "R. Clarín's" short wave transmitters which as of 10/25 are now being used for a new extensive international service. (Stanbury, ON)
- +Dominant w/"R. Clarín" ID, fanfare, SS mx 0555 11/26. (Connelly, MA)
- +0959 12/20 w/"R. Clarín" ID in middle of news promotion. Already verified last season. (Korn, CA)
- +1/3 0926 good "R. Clarín" IDs w/full particulars, mention of Santo Domingo. XEMO off. Country number 21 for me. (Lobel, CA)
- +w/ID as "R. Clarín" 0856 1/17 and snappy Latin mx. Good-fair w/unid tester (probably Saskatchewan). (Oliphant, AB)
- +The prize of the morning! Had it good 0920-50 1/31 w/a fantastic knock-you-over signal peak during the IDs and promos around 0933 in total defiance of Murley's Law. Newscast started 0935 and continued at length. Reported w/enthusiasm! (Peterson, CA)
- +Dominant w/"R. Clarín" IDs, brassy Latin mx 0610 2/6. (Connelly, MA)
- +2/14 0935 w/talk of Santo Domingo. (Lobel, CA)
- +0800-0830 2/21 w/usual energetic mx and many "R. Clarín" IDs, good signal but not as good a signal heard three weeks ago here which was excellent. (Gerardi, IL)
- +In w/blockbuster signal, better that WHLH-850! ID as "Radio Clarín - el Corazón del Pueblo" 0520 6/12. (Connelly, MA)
- 860 MEXICO, México, D.F., XEUN, 0818 1/23 very strong, mx and mention of Mexico City. (Aden, OR)
- 860 MEXICO, Monterrey, N.L., XENL, heard 1103 11/1 w/weak SS talk, stronger later w/slow easy listening mx, then finally heard a "R. Recuerdo" ID 1437. (Orren, WA)
- 860 MEXICO, Tijuana, B.C., XEMO, 1/24 0715-0725+, religious program in EE fair-good w/weak Dominican Republic interference. (Thomas, FL)
- 860 ? MEXICO, Unid, 1/21 1215 in weak w/s/on and definite "eches-eh-doble-oo" IDs. XEMO off. (Korinek, CA)
- 860 PANAMA, Chitré, HOL55, 0955 12/20 w/ID as "R. Reforma" and six note chime melody. A regular here since their move of a couple seasons ago. (Korn, CA)
- 860 ? UNID, 2/7 1050-1100 definitely not Cuba, Dominican Republic or Perú. Used "R. Laguna" ID. 1100 KRVN s/on ruined possible ID. Ideas? (Lobel, CA)
- +Romantic Latin mx and SS good 4/22 0055-0115. Taped what I thought was ID. Sounds like "Pah-dee-oh something...eel en-ah-dee qua-tone-dey pueblo." Can't tie it w/anything in WRTH. (Curtis, VT) (Possibly HILR, Santo Domingo, Dominican Republic per tip by Mark Connelly above-ed)
- +SS program 5/5 1200 probably XEMO but no positive ID. (Hogan, IL)
- 870 ARGENTINA, Buenos Aires, LRA1, likely the SS w/frequent mention of Argentina and a wide variety of mx including jazz, SS guitar and both slow and fast SS vocals, signal poor-fair o/under Cuba's non-stop SS talk, both atop WWL which surfaced briefly w/SS talk. Noise a problem. Monitored 0535-0555 7/11. (Connelly, MA)
- 870 ^t COLOMBIA, Ibagué, HJLA, w/TODELAR program o/under other SS and low het 2341 11/25. (Connelly, MA)
- 870 CUBA, Guantánamo, CMDN, o/low het from WWL w/talk about USSR and Romanis 0552 11/26. (Connelly, MA)
- +Totally dominant o/low growl w/SS political talk 0613 2/6. (Connelly, MA)
- +Way o/WWL, woman w/SS talk about revolutionary struggles 0542

- 3/13. (Connelly, MA)
 +Alone on channel, good w/SS program //880 0523 4/17.
 (Connelly, MA)
 +Way atop WWL, SS talk good 0440 5/22. (Connelly, MA)
- 870 MEXICO, Morelia, Mich., XELY, 1224 9/28 w/couple of mentions of Morelia during SS talk but nothing else understandable due to language barrier, SS mx w/long periods of talk between songs. (Oliphant, AB)
- 870 PUERTO RICO, Hato Rey, WHOA, fair o/a low het w/EE talk, jingle ID, soul, female vocal 2320 10/8. Wobbling carrier turned out to be the Cuban, noted w/man and woman in SS atop WHOA; wobbling followed modulation level (FMing carrier), 0020 10/9. (Connelly, MA)
- 870 ² UNID, SS noted behind WWL (w/that carefully looped) 1215 1/31. At that time there are too many on the air to make a guess. Had mx w/kind of a calypso beat but not exactly that; ID sounded like "R. Una" or something on that order which, of course, does not match anything listed. Will try again. (Peterson, CA)
- 871.2 ² UNID, uptempo SS mx wedged in here between Cuba-870 and TAS 0609 11/27. (Connelly, MA)
- 875 COSTA RICA, Liberia, TIGPH, weak w/slow SS vocal, "Monumental" ID 0502 2/12. (Connelly, MA)
- 875 NICARAGUA, León, YNW, listed as R. Mundial, but the ID in the clear 0458 2/11 sounded like "R. Mundal" then "Buenos Noches" and into open carrier. (Lankford, TX)
- 880 BRAZIL, Belo Horizonte, PRL3, R. Inconfidencia, PP female voice singing, announcements and ID 0814-0822 running //6000 10/22. (Young, CA)
 +Here 4/6 0845. (Wood, St. Lucia)
- 880 CUBA, Pinar del Río, CMAF, 8/2 0928 w/Cuban type mx and "Radio Progreso" ID. First time heard. KRVN off but occasional open carrier. (Lobel, CA)
 t +9/13 strong possibility here w/female announcer and soft mx. Too much noise for positive ID but fits description. Heard better before so not logged or needed. Recheck 0738 and still there. (Lobel, CA)
 +0800 10/11 heard light orchestral mx before the hour, then woman said "Esta es la Habana, Cuba..." among other things. Poor signal to start but faded to good across the hour amid CJVI-900 splat. (Hall-Patch, BC)
 +11/8 0830 w/soft mx and woman announcer. ID 0900 "Radio Enciclopedia Nacional, La Habana." Good signal w/KRVN off and WCBS faint. (Lobel, CA)
 +O/under WCBS 1/2 w/quiet mx and no KRVN. "R. Habana Cuba" ID by woman 0844. (Tomer, CA)
 +In w/good signal and mention of Cuba. Mx had somewhat of an oriental quality to it - wierd! New here 1015 1/17. (Peterson, CA)
 +1/23 0747 in good w/ballet-type mx w/woman announcer. KRVN off and no WCBS. (Korinek, CA)
 +Fair, woman announcer w/instrumentals 0847 1/23. No sign of WCBS or KRVN. (Aden, OR)
 +Good through nulled WCBS w/mellow jazz //690 (Progreso program) 0617 2/6. (Connelly, MA)
 +3/21 1030 w/"R. Progreso" IDs followed by single chime and news- Heard in KRVN open carrier. (Lobel, CA)
 +Ruining WCBS w/SS program //870 0523 4/17. (Connelly, MA)
- 880 GUATEMALA, Guatemala, TGJ, 10/18 0448 in the clear w/"Radio Nuevo Mundo" ID and promotion, then Latin mx. (Forth, IL)
 +Heard w/very lively Latin mx, then "R. Nuevo Mundo" ID given twice before fadeout 0530 10/25. (Bytheway, WA)

- +Noted fighting it out w/WCBS 0450 1/15. (Stanbury, ON)
- 880 ? UNID, Latin w/"Radio Cadena Nacional" IDs 1044 6/14. Sounded like a newscast w/man and woman alternating. In until KRVN s/on around 1100. (Bytheway, WA)
 +9/13 0522 w/Middle-of-the-Road mx, SS woman announcer w/titles between songs but no ID heard. Second station w/tropical mx under. (Pejza, CA) (Middle-of-the-Road mx and woman announcer sounds like Cuba-ed)
 +Soft mx 0858 4/25, then woman in what sounded like SS, "La Música mirable (?)...." and what could have been numbers or letters, then more mx. Signal was fair but too distorted to be easily readable. (Hall-Patch, BC) (Sounds like Cuba-ed)
- 885 MONTSERRAT, Plymouth, ZJB, fair w/song "I'm Your Vehicle" then 16 before 8 time check by man in slightly Caribbean-accented EE then a song in SS 2344 9/25. (Connelly, MA)
 +Weak w/talk in WCBS slop 0020 2/1. (Connelly, MA)
 +2/21 1039 in weak w/flute-type instrumental mx. Slight WLS-890 slop. (Korinek, CA)
 +Fair-good peaks through WCBS-880 splatter w/soul record 0238 4/22. (Connelly, MA)
- 885 ? UNID, Suspect ZJB, Montserrat. Very low level, no audio 90% of the time. Slow mx, much sideband splash 1/8 2345-2355. (Tull, MO)
- 890 ● COLOMBIA, Bogotá, HJCE, fair in noise o/under WLS w/slow SS vocal 0603 7/11. (Connelly, MA)
 +Wiping out WLS 0548 9/20 w/Latin mx, still good 0600 w/"La Voz de Bogotá" ID. (Portzner, WA)
 +"La Voz de Bogotá" suprisingly strong w/clear ID 0457 9/24. Announcer identified the network w/"Somos TODELAR". (Godwin, OR)
 +Good w/"La Voz de Bogotá" ID, numerous SS announcers 0542 11/26 (Connelly, MA)
 +Through nulled WLS w/"La Voz de Bogotá" ID, 2 different 3-note doorbell chimes 0528 12/30. (Connelly, MA)
 +0930 1/23 u/WLS, very weak and fast fades, chimes heard 0930. Taped report sent as this will be my first Medium wave report sent for many months. (Aden, OR)
 +Good o/under WLS w/slow SS vocal, "La Voz de Bogotá" ID 0620 2/6. (Connelly, MA)
 +Poor-fair o/other Latin w/3-note doorbell chimes, SS talk, 0133 4/10. (Connelly, MA)
 +Atop bad growl/jumble w/SS ID "La Voz de Bogotá" 0456 4/21. (Connelly, MA)
- 890 DOMINICAN REPUBLIC, Santo Domingo, HIPJ, 3/21 many "Radio Continental en Santo Domingo" IDs by man. Fairly sane Latin mx 0935+. Good. (Thomas, FL)
- 890 ● VENEZUELA, Valencia, YVLW, "R. América" u/auroral conditions 4/22 0019-0030, Latin mx, frequent Valencia's mentions, and at times more commercials than mx. Got good tape of ID. (Curtis, VT)
- 900 ● COLOMBIA, Cali, HJEY, "La Voz de Cali" 0728-0800 12/6, fair signal w/tropical mx, chimes, frequent IDs, commercials, and "Via Festia" announcements. (Gerardi, IL)
 +Good o/jumble w/"Fox on the Run" by Sweet, then SS "La Voz de Cali" ID 0623 2/6. (Connelly, MA)
- 900 CUBA, Ciego de Avila, CMJV, 12/27 0840 news interspersed w/mx. Man and woman announcing team w/numerous IDs by woman, "Ciego de Avila, Cuba." Good, no XEW. (Thomas, FL)
 +Riding o/XEW w/National Anthem and Cuban chime Interval Signal. XEW had an ID by callsign, woman in SS 0459-0502 4/21. Usual Canadians were eliminated by auroral conditions. (Connelly, MA)
- 900 MEXICO, México, D.F., XEW, 0000-0030 12/8 w/SS radio play and

- ID, nice signal varying from S-9 to S-7 in strength.
(Gerardi, IL)
- 905 [?] UNID, het looped to Latin America just above noise, no audio,
1/8 2355-0001. (Tull, MO)
- 909 CUBA, Camagüey, CMFA, "Cadena Agramonte" here from 910. Good
days w/out het (WPLA-910 faint) but really screams at night.
(Schatz, FL)
- 910 ● VENEZUELA, Maiquetía, YVRQ, "R. Aeropuerto" good w/Latin mx,
clear ID (taped) 0537 11/26. (Connelly, MA)
+1/8 clear "R. Aeropuerto" ID 0500, Latin mx, man announcer.
Fair signal w/interference. (Thomas, FL)
- 914 ● SURINAM, Nieuw Nickerie, RANI, believed responsible for the
almost dead carrier here early evenings, born out by direction
finder. (Schatz, FL)
+To fair peaks, female vocal, then talk in unfamiliar language
by man and woman, then odd mx like that often heard on 725 0053
6/12. (Connelly, MA)
- 919 ^t ● COLOMBIA, Cartagena, HJAE, screeching het against WJAR-920
likely the Colombian noted here on previous occasions, peaking
up at 2356 9/25. (Connelly, MA)
- 920 CUBA, La Habana, CMBL, "R. Internacional" now here from 860.
(Schatz, FL)
- 920 DOMINICAN REPUBLIC, Santo Domingo, HIBA, "R. Popular" good with
Latin mx, clear ID (taped) 0537 11/26. (Connelly, MA)
- 920 MEXICO, Hermosillo, Son., XEBH, 8/20 0420 w/"R. 9-20", "Música
Moderna" and "X-E-B-H" IDs. Heard in null of KORK w/slight
KDEO-910 slop. Impossible in El Cajon, new station and report
out. (Lobel, CA)
- 925 ^t COSTA RICA, San José, TICM, likely w/"Imagine" by John Lennon,
het from TA on 926 0434 1/8. (Connelly, MA)
^t +Likely the one w/SS talk and US pop mx 0445 1/31.
(Falconer, ON)
+"R. Juvenil" 2/14 0515 fair signal w/all kinds of slop from 920
and 930. Playing 1960's style US folk mx and rock, announce-
ments in SS. (Davis, GA)
- 930 MEXICO, Veracruz, Ver., XEU, 4/10 soft Latin mx and ID 0621,
fair-good w/KITE interference. (Thomas, FL)
- 930 MONTSERRAT, "R. Antilles" has been heard 6/20 0445 w/Latin mx
and announcements in SS. Excellent signal w/noise. Has been
noted to fade out and very rapidly at about 0500. This is
about 20 minutes after Local Sunrise. (Baker, South Africa)
+1/21 "R. Antilles" beginning EE broadcast w/steel drum intro-
duction, IDs, and easy listening mx 0925. Good. (Thomas, FL)
- 930 URUGUAY, Montevideo, CX20, "R. Monte Carlo" fair signal on 8/10
at 0123, SS, spoken program. (Herbst, West Germany)
- 940 ● COLOMBIA, Cali, CJGB, good over second Latin, "R. Eco" and
"TODELAR" IDs 0628 2/6. (Connelly, MA)
- 940 CUBA, Fomento, CMHE, 12/22 clearly yelled "Fomento" ID 0435.
Fair signal w/interference from WMAZ 0438. (Thomas, FL)
- 940 MEXICO, México, D.F., XEQ, w/IDs, good w/Venezuela nulled and
CBM off 0615 1/16. (Connelly, MA)
+Now rare in Miami due to WINZ but strong in Houston. Native
Mexican mx. ID 0503 5/20 w/fitting "Cucurucucu" (Q-Q-RU-Q-Q)
song. (Schatz, TX)
- 940 ● VENEZUELA, Punto Fijo, YVNW, presumed the one 12/13 1005, 1051

- w/"R. Rumbos" news and 2 note chimes. (Seaver, CA)
 +1/4 0630 quite well covering 2 unid domestics, "R. Punta Fijo Informa" news 0630, back into mx w/man announcer, many jingles and IDs until unid test tone 0700. (Cartwright, PA)
 +Dominant w/numerous "R. Punto Fijo" IDs, SS talk after CBM sign off 0612 1/16. (Connelly, MA)
 +1/17 0703-0802+ very strong w/many "R. Punto Fijo" IDs and occasional "R. Rumbos" ID. Man announcer, Latin mx. (Thomas, FL)
 +R. Punto Fijo, (Rumbos network) heard 1107 1/31 w/KFRE miraculously off. Lots of "Rumbos" chimes and mentions of Punto Fijo Fighting an unid US rock station, moderate signal. New here. (Peterson, CA)
 +Battling a cacophonous low growl of hets, "R. Punto Fijo" jingle, talk by woman, then bouncy SS vocal w/honky-tonk electric organ accompaniment 0531 6/12. (Connelly, MA)
- 944 HONDURAS, Tegucigalpa, HRYW, R. Panamericana, 2/20 0020, SS guitar mx w/SS talk by man. Poor-good signal. This may be the station I reported as France last time, however, I swear I've heard Panamericana on 945 before? (Davis, GA) (see also 945-ed)
- 945 ECUADOR, Guayaquil, HCDE2, likely w/SS talk by woman, interference from 940 and 944 0531 11/26. (Connelly, MA)
- 945 HONDURAS, Tegucigalpa, HRYW, "R. Panamericana" 2/12 0455 in SS, light orchestral mx "Yesterday", talk by woman, then ID 0403 into more orchestral mx, heard for 5 minutes, then faded out. Very poor. (McClenaghan, ON) (see also 944-ed)
- 945 UNID, 0454 2/11 low het w/BFO looping towards Ecuador. (Lankford, TX)
- 950 ARGENTINA, Buenos Aires, LR3, "R. Belgrano" w/fair signal on 8/15 at 0140, SS spoken program. (Herbst, West Germany)
- 950 MEXICO, Cnihuahua, Chih., XEFA, 8/2 0928 good w/"La Nueva F-A RadiCrama" ID at 0950 and 1001 by man and woman announcers. XEGM off. (Lobel, CA)
- 950 MEXICO, Nueva Rosita, Coah., XEYJ, fair in the interference 0401 7/9 w/full ID "R. Noventa y Cinco" slogan and mention of 1000 watts. (Kemper, CO)
 +11/8 1040 w/many "Ehkees-eh-yeh-hota" IDs and mentions of Nueva Rosita. XEGM off. Played Yankee Doodle theme on a flute-like instrument. (Lobel, CA)
 +Apparently the one noted here u/XEGM w/KJR open carrier nulled 0924-0943 when KJR resumed regular schedule 11/22. Heard one Yankee Doodle and possible ID by woman beginning "esta es...." (Portzer, WA)
 + "R. 950, La Voz de Amistad" apparently all night seven days a week or at least runs past 0800 nightly. Uses "Yankee Doodle" jingle between records. (Nittler, NE)
 +SS w/ranchera mx and "Yankee Doodle" chimes after each record, ID at 0840 by woman "esta es...." 0840-0859 11/28, weak-fair signal u/KIMM. (Gerardi, IL)
 + "R. 95" 12/6 1019 w/call, slogan, and "Yankee Doodle". Must be 1 kw nights now. (Seaver, CA)
 +12/27 0525 w/"Nueva Rosita" ID. Mx w/"Yankee Doodle" bells between. Poor-fair signal w/noise. (Thomas, FL)
 +Fair through WWJ 0923 12/27 w/call ID and SS mx. (Lazar, WI)
 +1/2 0800 heard "Yankee Doodle" on piccolo in background, too much WGOV, etc., to copy any intelligence. (Davis, GA)
- 950 MEXICO, Tijuana, B.C., XEGM, 1000 1/23 very strong, many announcements for "Baja California". (Aden, OR)
- 950 VENEZUELA, Caracas, YVKG, the new potent "R. Visión" outlet here annihilating WPEN/CHER/WAGM. SS talk by man and woman, "R. Visión" IDs and fanfare, list of phone numbers, 2355 9/25. (Connelly, MA)

- +12/31 0130-0200 w/a baseball game between Caracas and Maracay, quite strong w/WKAZ and line noise nulled. No ID but heard something like "beisbol venezolano" and many mentions of Maracay and some of Caracas. (Cartwright, PA)
- +0/under WIBX, both atop usual WPEN/WAGM 2232 1/6. (Connelly, MA)
- +Extremely loud, alone on channel w/fast exciting Latin mx 2352 4/20. (Connelly, MA)
- +4/22 0126 Latin mx and SS w/announcement "Musical de Venezuela" could hardly be other than 100 kw YVKG. (Curtis, VT)
- 950 ? UNID, 11/15 0313 very faint w/SS u/XEGM. Impossible to ID with XEGM noise. XEYJ and XEFA have been heard so are strong possibilities. (Lobel, CA)
- 953 CUBA, Guantánamo, CM??, "R. Progreso" here from nominal 950. About equal to Carrillon on 956 evenings. (Schatz, FL)
- 960 BERMUDA, Hamilton, ZFB, 4/6 2245 news w/Voice of America inserts. (Wood, St. Lucia)
- 960 COLOMBIA, Magangué, HJHN, potent (way o/low het from assumed CHNS) w/fast SS talk and audience sounds, possibly a sporting event. One "Sutatenza" mention at 0146 9/26. (Connelly, MA)
- +11/1 0857 o/WERC on my TRF. All SS programs and sounded like a man was giving an entire list of all R. Sutatenza outlets. ID as "R. Sutatenza" on the hour. On top of frequency. (Nall, KY)
- 965 ECUADOR, Santo Domingo, HCOT1, "R. Zaracay" good 0615 4/11. (NZDXT)
- 965 ? UNID, Panamá possible per "RFS Split List". SS talk here over second station and low het 0437 1/8. (Connelly, MA)
- 970 MEXICO, Ciudad Juárez, Chih., XEJ, "R. Mexicana" 0747-0804 12/13 w/Mexican-style mx, IDs, announcements, all u/WWSW with weak signal. (Gerardi, IL)
- 970 MEXICO, Matamoros, Tams., XEO, another easy Gulf-coast daytimer w/Call IDs, many ads for Brownsville, TX. (Schatz, TX)
- 975 COSTA RICA, San José, TIRS, "R. Atenea" heard 0129 10/25. (Klemp, CT)
- +R. Centroamericana, ex R. Atenea, broadcasts 1000-0600 here with 14 kw. The output will be increased to 25 kw. Address: R. Centroamericana, Apartado 2893, San José, Costa Rica. (SCDX, December 76)
- 975 ? UNID, two Latins here w/low growl resulting as the two were not dead zero beat 0438 1/8, a good Latin night. (Connelly, MA)
- +0448 2/11 low het w/BFO looping Ecuador. (Lankford, TX)
- +Freddy Fender EE/SS Country Western song 0022 2/18. (Connelly, MA)
- 980 BRAZIL, Rio de Janeiro, ZYD70, "R. Nacional" running all night 4/6 0400-0900. Second Brazilian after 1220. (Wood, St. Lucia)
- 990 MEXICO, La Paz, B.C.S, XEHZ, noted 0645 6/28 w/instrumental easy listening mx and full ID, in the clear w/rather weak signal. (Kemper, CA)
- 990 MEXICO, Mexicali, B.C., XECL, 0012 6/16 w/rock mx and ID as "R. Rama". Improvement w/better geomagnetic activity, fair w/apparent CBW troubles. (Newell, BC)
- +12/6 0657 s/off. Heard often here but perhaps some may want to know their s/off time. (Lobel, CA)
- +W/ID 0336 12/30 as "C-L, R. Rama" in SS, good w/EE Middle-of-the-Road mx. (Oliphant, AB)
- 990 VENEZUELA, Barquisimeto, YVTA, good, dominant w/SS talk, "Radio Tricolor" ID 0545 4/17. (Connelly, MA)

- 990 ? UNID, 8/20 0415 u/XECL. SS w/man announcer looped North-South Ideas anyone? XECL too much for good ID. (Lobel, CA)
- 995 ECUADOR, Guayaquil, HCEW2, poor, occasional surfacing w/SS talk, US soul and disco-rock 0439 1/8. (Connelly, MA)
+ "R. Suceso" fair-good w/SS choral group vocal 0451 6/12. (Connelly, MA)
- 995 ? UNID, likely Ecuador, SS talk by man, fair, 0515 11/6. (Connelly, MA)
- 1000 BRAZIL, São Paulo, PRB9, "R. Record" noted 4/11 0117 w/mx and announcements in PP. Fair signal w/heavy noise. (Baker, South Africa)
- 1000 COLOMBIA, Cartagena, HJAQ, w/SS talk atop other SS Latins 0525 11/26. (Connelly, MA)
+ In fair-good 0800-0930 12/6 w/SS mx, many mentions of Colombia and "R-C-N" IDs. No sign of Mexico. (Tomer, CA)
+ 12/20 0730 dominant Latin here o/weak KTOK and domestic tester (WCFL?). (Thomas, FL)
+ Fair-good w/mx, lots of "R-C-N" promotions. KTOK easily nulled. (Lazar, WI)
+ "R-C-N" ID 0900 1/3, then lively SS mx. (Bytheway, WA)
+ Very strong 1000 1/31 w/"R-C-N" ID in SS. (Critchett, CA)
- 1000 ? COLOMBIA, unid station heard 9/6 1014-1030 w/mention of "La Voz de Medellín" and Colombia, faint but clear u/KOMO open carrier. Problem is that Medellín in on 990, call I heard ended in an M, Medellín is HJDB. Both 990 and 1000 are RCN stations, so maybe it was a network list. (Pejza, CA)
- 1000 CUBA, Guane, CMAP, 1/6 "R. Guamá" ID 0530. Also 4-note whistle ID after every song (easy listening Latin music). Man and woman announcers weak-fair o/under WCFL and o/Colombia. (Thomas, FL)
- 1000 MEXICO, Ciudad Juárez, Chih., XEFV, 9/20 1200 w/"Radio Rancherita" IDs in null of KOMO open carrier. (Lobel, CA)
+ 1/10 0310 w/"R. Rancherita" ID in KOMO null. (Lobel, CA)
+ 3/28 1150 s/on dominant until KOMO announcement and open carrier. Several "R. Rancherita" IDs. (Lobel, CA)
- 1000 MEXICO, México, D.F., XEOY, "R. Mil" weak-fair in KOMO null w/four note Interval Signal. Not heard in a long time. 1223 7/21. (Clements, CA)
- 1000 VENEZUELA, Morón, YVKM, noted o/others at 2350 w/jingle "Radio Mil.... Venezuela", then man in SS mentioning "R. Mil" and Morón, signal fading into bad jumble by 2354 9/25. (Connelly, MA)
+ Rolling o/the Colombian w/"R. Mil" ID 0547 4/17. Many Caracas mentions followed. (Connelly, MA)
- 1005 COLOMBIA, Neiva, HJJR, "R. Colosal" poor in WINS-1010 slop w/SS talk 0200 6/14. (Connelly, MA)
+ 7/25 0929 w/two IDs at 0930 in SS. Excellent signal, best ever from this station, a steady S-7. Some trouble from KOMO-1000. (Hanavan, CA)
+ Unbelievably strong 0748 7/26 w/ID and uptempo SS mx. So strong they were almost as strong as KGBS-1020! (Portzer, WA)
+ Has been missing from here the last several nights. Was noted the evening of 9/29, but was not there 10/1 and has not been heard since. The short wave parallel on 4945 is still being heard. This station had been one of the strongest Latins here at night. (Martin, CO)
+ 11/8 0940 w/soft mx. Mention of Neiva at 0944. (Lobel, CA)
+ Fair w/SS male vocal and het from 1007 0526 11/26. (Connelly, MA)
+ Back here again 0820 11/26. (Martin, CO)
+ Good quality signal w/SS mx and good IDs. (Davis, GA)

+0636 12/18 caught on fadeup through KOMO-1000 slop w/"Esta es programa Colosal... R. Colosal" and into SS ballad. Disappeared into slop shortly afterwards. (Hall-Patch, BC)
 +12/20 0900 w/S-8, best ever. ID as "Feliz Navidad de Radio Colosal." (Lobel, CA)
 +W/ID as "R. Colosal" at end of long SS talk by man 1015 1/17. Then into SS mx. (Oliphant, AB)
 +In w/fair signal and mention of Colombia 1058 1/17. (Peterson, CA)
 +Fair w/Latin mx 0633 2/6. (Connelly, MA)
 +0154 soccer game coverage by two announcers w/fast SS talk //9545, poor but readable 2/12. (McNeil, DC)
 +Noted w/fair signal and clear ID 0405 2/15. (Stanbury, ON)
 +2/28 0856 w/Colombian mx. ID "R. Colosal" 0859. (Lobel, CA)
 +3/30 0347-0404 in fair w/romantic Latin mx and frequent IDs "Rah-dee-oh Col-oh-sal." (Curtis, VT)
 +Assumed here at fair level w/man in SS 0450 6/12. (Connelly, MA)

- 1005 ? UNID, The Colombian disappeared here by 10/1, although still continuing in the short waves. However, some other Latin seems to be operating all night on this frequency, so far always too weak to deliver any audio. Heard Sunday morning and Monday morning 10/10 and 10/11 in 0700-0800 period. Or could it be the Colombian maybe operating w/50 watts? (Martin, CO)
- 1010 ● COLOMBIA, Barranquilla, HJOP, o/under WINS w/"R. Sutatenza" ID, fast SS talk and mx 0523 11/26. (Connelly, MA)
- 1010 CUBA, Holguín, CMKM, 1/7 0415-0440 in at S-9+10 w/easy listening Latin mx and ID as "R. Musical Nacional" 0440. (Thomas, FL)
- 1010 CUBA, Pinar del Río, CMAS, 4/25 0500 man and woman in SS between SS mx. Program source was very distorted, as the distortion was identical on //1020. (Davis, GA)
- 1010 MEXICO, Ciudad Obregón, Son., XEEB, 1/24 0705 many "La Rancherita" IDs and "X-E-E-B, 1010 khz" ID 0727. New here. (Lobel, CA)
- 1010 MEXICO, Guadalajara, Jal., XEHL, 0430 6/22 ID for refound station. Don't know how I lost track of them. (Newell, BC)
- 1010 t MEXICO, Torreón, Coah., XEVK, extremely unlikely if WRTH 76 night power of 100 watts and s/off time of 0400 is right. But heard mentions of "en Torreón" and "Gomez Palacio" (a nearby town) during an apparent commercial 0545 12/11. Romantic SS vocals didn't sound like XEHL and no "de-de-dah-dah" electronic Interval Signal noted. CBR was in and out as well as another SS, probably XEHL, and terrible local noise didn't improve matters. Any information on this greatly appreciated. (Hall-Patch, BC)
- 1010 ● PERU, Lima, OAX4U, R. América surfaced briefly w/"O-A-X-4-U" ID 7/25 0941 w/interference from CFRB/XEHL/WINS and the Colombian-1005 slop. (Portzer, WA)
- 1010 ? UNID, 8/16 0708 SS station w/lively mx. After each song seeming slogan by men to the tune of "La Cucaracha", "La... ista, la... ista." Only Mexican stations heard this morning, no other Latins. Does anyone recognize this? (Davis, GA) (Sounds like XEEB, which has "La Rancherita" jingles w/that melody-ed)
 +6/23 1000 pips (_ _ -). Seems as if it is associated w/SS programming. No loop to tell where it originated. Help! (Korinek, CA) (I've heard the same sort of pips here, too. I am not 100% sure, but I believe they're from XEHL-ed)
- 1015 ? UNID, suspect El Salvador, SS mx, poor level, much local

interference (TVI) 1/9 0010-0030. Mentioned Central America several times. (Tull, MO)

+0430 2/11, SS man announcer, ID mostly buried in slop "...en El Salvador...", undoubtedly El Salvador. (Lankford, TX)

1020 CUBA, San Cristóbal, CMAC, 2/24, ID and National Anthem 0500. Before 0500 talk by woman, soft Latin mx. Good in KDKA null. (Thomas, FL)

1020 h GUATEMALA, Zacapa, TGRX, R. Miramundo is being heard here on 2040 khz. According to an announcement is affiliated w/La Voz de Guatemala. (Stanbury, ON)

h +Harmonic logged again on 2040 1/5 0115-0135. Glenn Hauser first reported this one in NASWA's November FRENEX on 2040.5. He lists the location as Zacapa (not too far from the Honduras border) and a second slogan as "La Voz de Ejercito de Guatemala" (Voice of the Guatemalan Army.) (Stanbury, ON)

h +S/off noted as 0400 1/16. (Stanbury, ON)

1020 ● VENEZUELA, La Asunción, YVRS, w/KDKA w/lively Latin mx 0451 7/10. (Connelly, MA)

+ "R. Margarita" a strong signal on 8/4 at 0055, SS, IDs and commercials. (Herbst, West Germany)

+SS, Latin mx, excellent signal on 9/11 at 0215. (Herbst, West Germany)

+Totally dominant w/Winston cigarettes commercial in SS, "Radio Margarita" singing ID, then stream of fast SS talk 2348 9/25. Occasional buckshot from WINS-1010. (Connelly, MA)

+Fighting it out w/KDKA's open carrier 0712 11/1 w/"Margarita" ID. Strong signal. (Morby, NY)

+Loud and alone w/steel band and piano mx 2351 11/25. (Connelly, MA)

+Very strong, IDs as "R. Margarita" very clear between numbers including some singing IDs. Alone on frequency w/no trace of KDKA. Got a good taping 2340-2356 11/31. (Curtis, VT)

+12/27 ID sung in SS 0855-0900 as "Margaritas" interspersed w/announcements, then formal ID, "R. Margarita, Isla de Margarita..." 0900. Signal fair during KDKA test. (Thomas, FL)

+SS, Latin mx fair 12/29 0210. (Herbst, West Germany)

+Fair 0705 1/3 w/ID. KDKA off. (Lazar, WI)

+O/KDKA w/slow Latin vocal 0634 2/6. (Connelly, MA)

+O/KDKA w/slow SS ballad 0548 3/13. (Connelly, MA)

+3/21 0818 excellent signal w/Latin mx and "R. Margarita" IDs by man. (Curtis, VT)

+Good w/KDKA nulled, lively SS vocal mx 0552 4/17. (Connelly, MA)

+O/under KDKA, SS soft talk w/schmaltzy background mx (a la Dick Summer on WNBC-660), "Margarita" ID 0504 6/11. (Connelly, MA)

1020 ? UNID, heard 1054 6/14 w/mx and woman announcer, intelligibility almost zero. Seemed to be all alone at this time. (Peterson, CA)

1025 ? COSTA RICA, San José, TIAC, SS, classical mx w/talk by man and woman interviewing old men. Faded out during 0330 ID 2/20. Sounded like "R. Tropicana". Interval Signal sounded like Big Ben or large church bells. 0358 prayer, 0401 carrier off. (Davis, GA)

+ "R. Fides" 4/9 0300 classical mx w/man announcer w/talk between selections. Very good S-3 to 5 signal w/only slight het noise. (Davis, GA)

1027 ● COLOMBIA, Piedecuesta, HJDZ, first noted signal here 5/5 in the evening. (Schatz, FL)

+ Finally IDed 1014 11/1 w/"Viva Santander!" before s/on with National Anthem. Nominal 1030. (Schatz, FL) (see also 1030)

1030 ● ARGENTINA, Buenos Aires, LS10, "R. del Plata" heard killing Mexican 0800 10/25 w/three IDs, mentions of Buenos Aires, and

- spots w/both men and woman announcers. Then had what sounded like news. In solid o/Mexican for 5 minutes. (Bytheway, WA)
- +In w/great signal 1/31 0822-0845, clobbering Mexican most of the time, no sign of the Colombian often heard here, WBZ and KTWO off. Nonstop talking, couple of male voices and no mx heard. Several mentions of Buenos Aires and the ID heard was "R. del Plata". This is the third time I have run into fabulous reception of LS10 on a date right at the end of January. Other times were 1/31/73 and 1/29/74 and both fully covered in the Foreign Logs for those dates. This surely a provocative of thought calendar connection. LS10 format apparently unchanged in recent years between 0800 and 0900, always an all-talk station. (Martin, CO)
- 1030 ● COLOMBIA, Cali, HJER, heard w/SS mx and "R-C-N" ID 0732 2/14, then "R. Pacifico" ID 0735 preceded by what sounded like someone tripping over a Hawaiian guitar. (Bytheway, WA)
- 1030 ● COLOMBIA, Piedecuestra, HJDZ, 12/20 0740 heard most Monday mornings. Weak but only atmospheric interference. Frequent IDs by male announcer in SS "La Voz de Piedecuestra". SS mx. (Thomas, FL) (see also 1027-ed)
- 1030 ? COLOMBIA, unid well atop Mexican w/woman talking o/Inca pan-pipe mx 0755 11/1. Lengthy announcement/ID 0759-0802 by man w/a couple of "R. ..." mentions, plus one mention of "en Colombia..." Will play back the tape to find out who it is. (Portzer, WA)
- 1030 MEXICO, México, D.F., XEQR, w/six note whistle followed by "R. Centro" ID 0719 8/30 o/unid SS. (Oliphant, AB)
- +9/6 0738 w/many "R. Centro" IDs and rancho mx. S-6 signal. (Lobel, CA)
- +12/27 clear ID as "R. Centro... México." 0901, then mx. Fair signal during WBZ silent period. (Thomas, FL)
- + "R. Centro" and maybe call letters heard a couple of times in passing 2/7 1146, then into slow SS song. Fair signal w/no interference. (Hall-Patch, BC)
- 1030 PUERTO RICO, San Juan, WOSO, 1/2 strong w/ID 1232 by woman, then religious services/discussion. No interference. (Thomas, FL)
- 1035 HAITI, Cap-Haïtien, 4VEC, 2356 9/19 becoming stronger every night at this time only. (Klemp, CT)
- +Good w/man and woman in EE w/a discussion about schools 0007 9/26. (Connelly, MA)
- +Fair 2308 10/29 w/mx. Carrier break 2327 as though for a pattern change, then full ID followed by religious program. (Curtis, VT)
- +Fair-good w/fading on 11/1, 2, 3. Taped s/off and ID 0301. (Curtis, VT)
- +11/28 1035 in fair w/talk by man but not in SS, this was definitely French-Creole. (Korinek, CA)
- +1/2 2345, religious program, w/only slight bleed from WHO-1040 and WBZ-1030. Very stable. (Davis, GA)
- +1/15 1036 R. 4VEH in good at times w/religious mx. (Korinek, CA)
- +Poor and barely readable w/hymn. Mucho static 1103 1/17. (Peterson, CA)
- +0009 1/28 religious program w/religious mx fair w/het from Portugal-1034. (Curtis, VT)
- +Unusually good w/hymn in EE, easily getting by nulled local WBZ-1030 0018 1/31. (Connelly, MA)
- +In w/poor signal and talk in EE 1115 1/31. (Peterson, CA)
- +Good w/religious female vocal, Portugal-1034 and WBZ-1030 looped 0020 3/29. (Connelly, MA)
- +W/religious program, excellent signal and clear 4/3 0017. Always strong and prompt verifier. (Dunn, NS)
- 1040 ● COLOMBIA, Barranquilla, HJAI, fair atop mess of low hets with

- "R. Tropical" ID, then slow SS male vocal¹ 0447 7/11.
(Connelly, MA)
- 1040 ● COLOMBIA, Bogotá, HJCJ, 1/2 0835, WHO off for tests, man announcer w/clear "R. Super" ID. WHO decided to reappear as I turned on the tape recorder. Heck! I almost thought this was R. Tupi in Brazil. (Davis, GA)
- 1040 ? COLOMBIA, unid station w/CARACOL network program loud o/other SSer 0715 2/6. (Connelly, MA) (HJAI, Barranquilla?-ed)
- 1040 CUBA, Isla de la Juventud, CMBN, 12/28 children announcers w/mx 2215-2228. "R. Caribe" ID 2229, then man announcer with weather 2230. Fair signal. (Thomas, FL)
+1/12 2300 jazz-type Latin mx w/many IDs, S-4 to 9+ signal most of the time! This is not really 250 watts is it? It was wiping out WHO. Haven't heard this before. (Davis, GA)
+Very strong 0200 2/12 w/two IDs, into news on Castro, several Latins under, definitely not 250 watts! (McNeil, DC)
- 1040 ● VENEZUELA, Valencia, YVLB, fair-good, slightly dominating over several other Latins (bad growl present). "La Voz de Carabobo" jingle and SS talk noted 0158 9/26. (Connelly, MA)
- 1045 ? COLOMBIA, HJ??, a Colombian w/frequent mentions of RCN was located here for a week or so in mid-January, often w/pretty fair volume, yet a strange sounding station. In 0500-0800 period. The audio was often poor and when you turned on the BFO, the resulting whistle did not sound right, so I wonder if it might have been a spurious signal from some other frequency. Think it disappeared by the end of the month and the faint carrier heard there 1/31 is probably the Panamanian. (Martin, CO)
- 1045 PANAMA, Las Tablas, HOJ2, "Ondas del Canajagua" poor and static, barely readable 1108 1/17. (Peterson, CA)
+1/28 0320 Middle-of-the-Road SS mx, several good clear IDs. Bad 5 khz het and WHO-1040 splatter occasionally. Light fading. (Davis, GA)
- 1050 DOMINICAN REPUBLIC, Santiago, HICB, ID as "La Voz de Hispañiola" w/location 0616 1/26 by man. SS disc 0605-0615. Good signal o/Mexican until fade 0618. (Thomas, FL)
- 1050 MEXICO, Mexicali, B.C., XED, in loud w/ID 0306 11/15 as "X-E-D" and "La Grand D de Mexicali", no sign of the other Mexican. (Oliphant, AB)
+1120 1/23 signal was good but not too strong, Mexicali mention on occasion. (Aden, OR)
+W/mucho fiesta música 0400 2/24. Strong. (O'Hare, WA)
- 1050 MEXICO, Monterrey, N.L., XEG, 10/1 0400-0516, religious programming, ID approximately every 15 minutes "You are listening to XEG, Monterrey, México. Mailing address, P.O. Box 26, St. Louis 66, Missouri". Reported. Heard again 10/3 0810-0900 w/soul mx and commercials for "Father Jones" in Louisiana, "The Long Tall Man from Louisiana". Infrequent IDs about every 30 minutes. Frequent fadeouts. (Collins, AR)
+Fair 10/20 o/other Mexican w/religious programming 0202-0216. (Orr, CO)
- 1050 ? UNID, Latin here 0000-0030 12/31 fighting line noise was able at times to get a strong signal from almost due South, for South America, Colombia or West Venezuela. HJBX and YVKZ both fall in that area and are both listed as 10 kw. Almost impossible to ID, announcer would say maybe 5 seconds between records, sometimes right into the next. (Cartwright, PA)
- 1055 ● COLOMBIA, El Espinal, HJFZ, likely the one w/tropical sounding mx fair-poor 0831 4/11. (Portzer, WA)
+Weak, SS mx 0203, 6/14. (Connelly, MA)

- 1055 ? UNID, 1/2 0000, SS mx, probably Colombia. Fading too much for positive ID. Plus very bad 4 khz het off CMKG-1059. (Davis, GA)
- 1059 CUBA, Baracoa, CMKG, usual pest potent w/classical mx, zonking 1060 domestics 0204 6/14. (Connelly, MA)
 +Loud w/SS talk and familiar march often heard on short wave 2358 11/26. (Connelly, MA)
 +1/2 0000, strong carrier, providing much 1 khz garbage on 1060 and much 4 khz garbage on 1055. (Davis, GA)
 +Creaming KYW-1060 w/primitive sounding mx 2352 1/24. (Connelly, MA)
 +Potent w/soft orchestral mx 0052 2/18. (Connelly, MA)
 +Annihilating KYW-1060 w/raucous het 0506 6/11. (Connelly, MA)
- 1060 MEXICO, México, D.F., XEEP, "R. Educación, en la capital mexicana" 0518 5/20. Classical mx, strong evenings in Houston but never heard in Miami. (Schatz, TX)
- 1063 ? UNID, 0244 2/14 SS sounding male vocal. (Lankford, TX)
- 1070 ● COLOMBIA, Barranquilla, HJAG, bodacious w/fast Latin vocal mx and flute accompaniment 0453 7/10, lot het present. (Connelly, MA)
 +Through nulled CBA-1070 good w/Christmas advertizing, ID, SS mx 0423 12/23. (Connelly, MA)
 +1/3 0724-0800 poor w/hets and fading. Latin mx, caught an "...en Barranquilla..." Vying w/WFLI who had test program. (Curtis, VT)
 +Atop other Latin w/rough het "Emissora Atlántico" ID, 4 computer-type beeps, then Latin mx 0550 3/13. (Connelly, MA)
- 1075 COSTA RICA, San José, TIFC, 1/8 0230 man in SS w/talk (quiet-type SS) good clear "Faro del Caribe" ID 0235 followed by classical mx (William Tell Overture). Fair signal with atmospheric noise only. (Davis, GA)
 t +Tentatively w/fragmentary mx in WTIC-1080 splash 0206 6/14. (Connelly, MA)
- 1075 ? UNID, "R. Reloj" w/UTC minus 5 time checks 1015 11/1. Likely Colombia. (Schatz, FL)
 +Often hear weak signal here like 0144-0213 11/3 w/Latin mx and woman and man between recordings. Suspect Costa Rican. Any help? (Curtis, VT) (Costa Rican most likely-ed)
- 1080 ● VENEZUELA, Maracay, YVNR, 12/31 0115 and 0200 w/the other end of a baseball game between Maracay and Caracas, many mentions of both cities, "R. Universal" ID 0200. (Cartwright, PA)
- 1081 ? UNID, Latin jamming WTIC-1080 w/SS talk (distorted) and mx 0002 11/27. (Connelly, MA)
- 1081.5 ● COLOMBIA, Montería, HJAW, 0204 1/24 putting loud het on WTIC-1080 w/no mentions of Montería. (Falconer, ON)
- 1085 t HONDURAS, San Pedro Sula, R. Aeropuerto is likely the Latin here w/Soft mx 0656 11/26. (Connelly, MA)
- 1090 DOMINICAN REPUBLIC, Santiago, HIJM, 2/28 0830-0850+. Miscellaneous Latin mx, frequent IDs as "R. Amistad" and mentions of Dominican Republic. Fair-good w/KAAY office. (Thomas, FL)
- 1090 MEXICO, Rosarito Beach, B.C., XEPRES, 4/28 0343 in good with addresses given, mentions of "X-pres", then into religious program. (Orr, CO)
- 1090 ? UNID, Colombian or Venezuelan, SS mx u/WBAL hitting good peaks but no IDs extractable 0444 7/11. (Connelly, MA)
- 1090.8 ? UNID, Latin het here putting WBAL-1090 in "het sandwich" with 1088 0005 11/27. (Connelly, MA)

- 1100 ^t ANTIGUA, St. John's, ZDK, probable here w/steel band mx atop growl of low hets 0005 9/26. (Connelly, MA)
 +O/under WWWE, generally atop w/Caribbean EE political discussions, much talk about labor disputes in Trinidad and Antigua 2241 2/8. Sports reports before and after ID 2302 2/8. (Connelly, MA)
 +Good w/WWWE nulled w/mention of ZDK Caribbean Countdown, then soul and disco 0027 3/29. (Connelly, MA)
 +Very loud, alone on the channel w/fast steel-band mx 2350 4/20. (Connelly, MA)
 +Fair w/Caribbean EE talk, then song by the Jacksons. WWWE and a low audible het well u/ZDK 0046 6/1. (Connelly, MA)
- 1100 COLOMBIA, Bogotá, HJCN, fair w/chimes and ID as "R. Reloj de Bogotá" 0829.5 6/21, just before WWWE s/on. (Bytheway, WA)
- 1100 [?] UNID, Colombia possibly the SS mx station o/under WWWE 0454 7/10. (Connelly, MA)
- 1110 ARGENTINA, Buenos Aires, LR2, R. Argentina here is scheduled 0800-0600. (MWN)
- 1110 HONDURAS, El Progreso, HRPL, 4/3 0610-0635, presume the one w/many "R. Progreso" IDs between murky Latin mx (almost sounded like Arabic). Fair w/WBT off. (Thomas, FL)
- 1110 MEXICO, México, D.F., XERED, 10/18 0603 in clear w/good signal. References to capital city and "programas de México." (Nall, KY)
- 1110 MEXICO, Río Bravo, Tams., XEQQ, another fair coastal daytimer to western Louisiana. "R. Juventud" IDs exclusively. (Schatz, LA)
- 1110 VENEZUELA, Carúpano, YVQT, o/under WBT, in the clear and loud w/WBT nulled, rustic style SS man w/accordion accompaniment, then "R. Carúpano" ID 0150-0155 4/12. Conditions tonight were short-skip dominated, long skip primarily from South America. (Connelly, MA)
 +Strong and totally dominant w/many mentions in SS of Carúpano 2349 4/20. (Connelly, MA)
- 1115 NICARAGUA, León, YNP, 1/30 0730 playing the entire "Tommy" album by the Who. "R. Circuito" IDs every 15 minutes or so. "Tommy" is seldom heard, even on progressive US rock stations. Three cheers for Latins. (Davis, GA)
- 1115 [?] UNID, 0345 2/14 male SS announcer, into EE vocal, heard what sounded like "R. América" ID earlier, anthem (?) 0400 and into open carrier (?). Tentatively Ecuador. (Lankford, TX)
- 1120 VENEZUELA, Maracaibo, YVMF, fair o/rough het w/good "Ondas de Lago" ID, then festive SS mx w/male vocal and brassy instrumentation 0155 9/26. (Connelly, MA)
 +Good w/brassy Latin mx 0135 4/20. (Connelly, MA)
- 1124 DOMINICAN REPUBLIC, Santo Domingo, HICN, R. Antillas here from 1120 for the past several weeks. S/on 1000 mornings. (Schatz, FL)
- 1125 PANAMA, Patino Darien, HOF47, Circuito RPC fair 0204 2/12 w/SS by man, ID, into love song by woman, very easy to read. (McNeil, DC)
- 1130 MEXICO, Jalapa, Ver., XEZZ, 1/20 1337 fair w/"R. Rama" IDs and US pop mx. (Korinek, CA)
- 1130 [?] UNID, SS looping South playing EE Middle-of-the-Road mx 0257, ID twice as "R. Rama" but in between these 2 were about four different "R. ...inro" IDs, another song and then off 0300 11/15 w/out any announcement. (Oliphant, AB)

- 1140 CUBA, Camaguey, CMJK, 1/7 ID 2200, then news. Man announcer. Fair signal but much noise. Alone on channel. (Thomas, FL)
- 1150 MEXICO, Mexicali, B.C., XERM, 12/30 dominant 0530-0600 with "R. Sensación" IDs, then "X-E-R-M" ID. (Tomer, CA)
+4/28 0316 w/typical Mexican programming, frequent "Radio Sensación" IDs by man, 0327 spot for Royce Watches, fair-poor in KIIS null. (Bixby, CA)
+Uses "R. Sensación Popular" IDs. (Lobel, CA)
- 1150 ? UNID, probably XEJP here coming in very weakly u/CKOC 10/18, heard while waiting for WSKW's equipment test at 0715-0730 w/ranchero mx and man IDing recordings. Seems to be Latin-type conditions here lately. (Gerardi, IL)
- 1155 EL SALVADOR, San Miguel, YSCF, Ondas Orientales, no doubt what I heard (since the Nicaraguan's s/on is later) 1117 1/17. Signal quite weak. Frequency checked very close to 1155. New for me. (Peterson, CA)
+Fair 0206 2/12, several ads, time check by announcer, more talk, into song. Faded 0209. (McNeil, DC)
- 1155 NICARAGUA, Managua, YNH, "R. Consigüina" mostly o/El Salvador on 1155.2, IDed 0107 5/6. IDed as "Chinadega", but a Managua relay. (Schatz, FL)
- 1160 ● COLOMBIA, Barranquilla, HJBL, R. Aeropuerto noted w/musical program from Cadena Libertad 0255 4/7. Previously, this network had functioned only for newscasts. Program still going at 0400. (Stanbury, ON)
+Is still using the "R. Aeropuerto" ID, 0310 5/9 and many times since, thus "La Voz de Sudamerica" must be somebody else, though both are Cadena Libertad affiliates. (Stanbury, ON)
- 1160 ● ? COLOMBIA, 1/24 0835+, frequent IDs as "Colombia... La Voz de Sudamerica." Miscellaneous Latin mx. Fair-good signal o/weak KSL. (Thomas, FL)
+"La Voz de Sudamerica" logged 0800-0815 5/2 and again 0400 5/3. (Stanbury, ON)
- 1160 DOMINICAN REPUBLIC, Santiago, HIBG, fair w/"Radiolandia" singing ID 0600 3/13. (Connelly, MA)
+3/28 miscellaneous Latin mx 2350-0005. Many spoken and sung "Radiolandia" IDs, good. (Thomas, FL)
- 1162 ? UNID, 0433 2/7 sounded like Latin mx in the noise. Still there 0450. (Lankford, TX)
- 1165 ANTIGUA, St. Johns, Caribbean Radio Lighthouse, here on 9/29 at 0958 w/sign on in EE. Seemingly religious mx 1002. (Young, CA)
+10/18 0100 noted fair o/TV hum w/"Caribbean R. Lighthouse" ID, into religious program w/US address, then s/off and anthem 0159. (Forth, IL)
+Very good 0345 10/25. (Klemp, CT)
+0125 11/17 good w/religious "Living Word" in EE. At 0130 time check and ID, then program of classical mx. (Curtis, VT)
+11/22 1001 w/S-9 signal, man talk in EE, to 1030 w/religious program, man talking unreadable, best 1048 w/religious talk. At 1106 w/news S-8. All EE but no positive ID yet. (Seaver, CA)
+Good w/man in EE 2147 11/26. (Connelly, MA)
+Fair audio but lots of slop and test tone from KLOK-1170 preventing decent tape 1025-40 12/13. This is the best signal on this yet. Might be able to report soon if KLOK-1170 would cooperate. (Peterson, CA)
+Noted 2140 12/23, not nearly audible but w/fair signals, and the entire path in daylight! (Stanbury, ON)
+Best ever here on my receiver, using loop. 1/14 2200 w/news. (Davis, GA)
+Heard religious program 1044 1/24 but KSL-1160 messing them up

so could not get ID. Back again next night (who says you can only DX Monday mornings) w/end of religious program 1033, followed by ID as "Caribbean R. Lighthouse" (which caught me w/my recorder off since I thought religious program had just started), into mx request (written) program featuring religious mx. Good signal for awhile but KSL-1160 did not stay down for long. Country number 32. (Oliphant, AB)

+Fair in WCOP-1170 slop w/religious program, time pips, BBC news, 2359 1/24 to 0001 1/25. (Connelly, MA)

+2/28 1001 anthem, s/on announcement, several "Caribbean Radio Lighthouse" IDs, then into religious program. First positive ID. (Seaver, CA)

+Carrier and some audio 1040 2/28 competing w/KSL-1160 and KLOK-1170 slop. (Peterson, CA)

+W/end of classical mx program 0159 3/4, ID on hour w/mention of s/off, into small religious talk before going off. Fair-poor signals w/KSL-1160 and 1170 interference. (Oliphant, AB)

+3/5 0112 hymns, poor w/fading. (Curtis, VT)

+4/3 despite heavy splatter heard w/religious syndicated show 0021. (Dunn, NS)

+Very good w/choral religious mx 0025 4/3. (Connelly, MA)

+Good w/religious program on 4/21 0203. (Curtis, VT)

+4/27 0117 just a het in KSL-1160/KVOO-1170 slop. (Orr, CO)

+Very good, announcer was asking for more letters from listeners, to be sent to Box 382, St. Johns. 0035 6/12. (Connelly, MA)

- 1170 **COLOMBIA**, Cartagena, HJNW, fair-good w/SS "porteña" mx, "La Voz de Heróica" ID, 0431 7/11. Dominant o/growl of hets. (Connelly, MA)
- +10/10 0428 heard w/potent signal and "La Voz de Heróica" ID, Eastern Standard Time time checks, many mentions of Cartagena. This one often heard evenings o/WWVA and KVOO. (Forth, IL)
- 1170 **MEXICO**, Reynosa, Tams., XERT, coastal daytimer. Call IDs. Popular mx format (Julio Iglesias, Angeles Negros, etc.). (Schatz, TX)
- 1175 **COSTA RICA**, Puerto Limón, TIQ, fair w/EE talk, then old-time Latin influenced mx 0511 4/17. (Connelly, MA)
- 1176 **UNID**, SS, commercial format, Middle-of-the-Road SS mx 1/8 0250. Good to lousy signal w/bad 4 khz het. Very fast SS w/"Coke" commercial 0304. Who is this? (Davis, GA) (probably TIQ-ed)
- 1180 **BRAZIL**, Rio de Janeiro, PRE3, "R. Globo" strong signal on 8/15 at 0135, PP, sport. (Herbst, West Germany)
- +Note: this station has since moved to 1220-ed.
- 1180 **CHILE**, Santiago, CB118, excellent signal from 1110 onward 5/31, UTC minus 4 time checks, ID as "Portales", and ended a 10 minute program feature. Precision Frequency Measurement taken at 1118 6/14 read 1180.025. Without question, the best bet for Chile. S/on at 1030 but usually weak until after 1100, perhaps due to power boost. (Peterson, CA)
- +Solid signal 1030-1130 6/14 w/"Portales" IDs and lots of SS talk. Had distinctive NBC-type gongs at 1032 and played "76 Trombones" at 1100. (Bytheway/Orr, WA)
- +Coming in strong 7/2 1059-1115 mixing w/Mexican. Heard one "R. Portales" ID, but later found tape recorder was not hooked up. Mx and talk. (Pejza, CA)
- 1180 **CUBA**, Isla de Pinos, CMBM, w/"Reloj Nacional" format 0836 9/4, some problems w/WHAM but those ticks can cut through just about anything. (Oliphant, AB)
- +Here Sunday mornings w/news, time ticks, etc. (Forth, IL)
- +0718 1/9 weak on TRF w/"Minuteman" format ("Reloj Nacional"), WHAM was off. (Falconer, ON)
- +The Cuban was noted w/news in SS w/many mentions of Habana atop a Latin (slightly lower in frequency, perhaps 1179.6) w/SS vocal 0704 2/6. Hoping for Chile, I tried every trick

- possible to pull an ID out of the lower frequency Latin, then WHAM slapped a bodacious open carrier on 0707, ruining any chance of extracting an ID. WWVA-1170 splash was quite bothersome also as both Latins were weak. (Connelly, MA)
- +0249 4/27 mixing w/VOA w/"Reloj Nacional" news and IDs, poor. (Orr, CO)
- +6/12 0225 SS news, "R. Reloj Nacional" ID, poor w/1170 and 1190 slop! (Beauregard, PQ)
- 1180 ● VENEZUELA, Ciudad Ojeda, YVNJ, finally caught the "Radio Petrolera" ID for this one 0926 3/20, typical Latin mx w/poor-fair signals. (Oliphant, AB)
- 1180 ? UNID, SS 1/23 1140 w/news by man regarding Coffee prices, Ford-Palmer golf match, etc. 1145 went into Middle-of-the-Road or popular classical version of "Swing on a Star", 1155 "Everything is Beautiful" by Johnny Mathis in EE. Partially wiped out by WHAM s/on 1158, mixing w/WHAM 1202 w/what sounded like news. (Jaisun, WA) (Maybe VOA, Marathon Key, FL-ed)
- 1187 ? UNID, 8/15 0510 producing a nasty 3 khz het to the 1190 mess. Strong, much too strong for R. Caroline. Noted strong auroral effects, so that further rules them out. Maybe a deep South American. (Dale, MO) (TGT-1186 most likely-ed)
- 1188 GUATEMALA, Guatemala, TGT, "R. Sonora" fair w/operatic SS male vocal, CHTN-1190 slop 0158 6/14. (Connelly, MA)
- +Fair w/SS mx, male vocal, R. Caroline-1187 reduced to a weak het by auroral conditions, 0004 1/25. (Connelly, MA)
- +Booming in w/25 over S-9 ID "R. Sonora de Guatemala" 0320 2/11 w/vocal mx, few announcements, fewer IDs and many deep fades. (Lankford, TX)
- 1190 ● COLOMBIA, Barranquilla, HJCT, 1/24 0635-0645+, miscellaneous Latin mx and IDs as "La Voz de la Costa". Fair signal w/fuzzy audio. No WOWO. (Thomas, FL)
- 1190 MEXICO, Guadalajara, Jal., XEWK, w/ID 11/15 0233 as "La Voz de América Latina" and "X-E-W". Good w/no KEX heard. (Oliphant, AB)
- +Ranchera mx came through CKDA-1220 slop 1150 12/19. Then nice "X-E-W" ID at 1153, "Muy buenos días señoras y señores", more "X-E-W" IDs and mention of various transmitter sites and frequencies. Poor-good o/under CKDA-1220 slop. Seems to be slightly earlier s/on than noted in WRTH. (Hall-Patch, BC)
- 1190 ? UNID, 1247 1/23, 2 SS here. The first had ranchera mx and really hyper "Once Noventa" ID and prerecorded ID 1243 as "R." very-very fast w/slogan repeated several times (not Mexicana or Cordillera). The second station has medium key man talking, occasional hyper promotions or spots, quick rocket takeoff whistle heard twice. KEX s/on 1255 wiped them out, although one station still audible w/KEX. (Jaisun, WA)
- 1196 t HONDURAS, San Pedro Sula, HRVW, something new to me noted about 0350 8/30 very weak and may have left the air by 0400. Believe I heard marimba mx, was much weaker than the Guatemalan on 1187, but a Latin for sure. (Martin, CO)
- t +Latin present, looping South during unfavorable high-band TA conditions. An emotional SS male vocal briefly rose above the TV birdies 0020 1/31. (Connelly, MA)
- t +Possibly the weak station here w/operatic male SS vocal 0702 2/6. (Connelly, MA)
- 1196.67 ? UNID, SS 2/20 0055, mild SS mx and man talking between songs. Fairly weak signal w/lots of snap, crackle and pop from storm. (Davis, GA)
- 1200 ● COLOMBIA, Riohacha, HJZW, "R. Almirante" has been noted 0255 6/10 topping the frequency on many occasions since. May

indicate a power boost. (Stanbury, ON)

1200

DOMINICAN REPUBLIC. Per information sent to the FCC by the Dominican Government, HIBS-1200, and HIMR-1200 operate w/1 kw day and .25 kw night, rather than 1 kw unlimited. (Hauser, IL)

1200

• **VENEZUELA,** Caracas, YVOZ, excellent w/brassy Latin mx, "Radio-tiempo" ID 0434 7/11. (Connelly, MA)
+In fair w/their usual Latin mx, commercials and very frequent IDs as "Radiotiempo" 2331 9/17. (Curtis, VT)
+Rising up to good peak o/low rumble w/fast SS talk and "Radio-tiempo" ID, then fast Latin style disco mx 0217 9/26. (Connelly, MA)
+W/nice clear signals 0754-0835 10/18. Latin disco mx w/man IDing recordings, clear "Radiotiempo" IDs at 0834 and 0802. (Gerardi, IL)
+Good o/a growl of low hets w/fast SS talk, mentions of Venezuela 0030 1/31. (Connelly, MA)
+2/14 0740 w/"Radiotiempo" ID, mx. Weak w/noise, WOAI off. Better by 0755 when I got back from raiding the refrigerator. (Lobel, CA)
+0607-0625 2/21, Latin mx and a few "Radiotiempo" IDs spaced out, signal was weak and not up to past experience w/this one. (Gerardi, IL)
+Atop WOAI w/"Radiotiempo" ID, then instrumental of "It's Impossible" 0622 3/13. (Connelly, MA)
+3/21 0758 w/fair signal, mx until 0800, then "Radiotiempo" ID. Suspect WOAI was testing w/low-high-low test tones and no ID, which was off by 0758 when YVOZ surfaced. (Lobel, CA)
+3/28 0810 S-9 w/good "Radiotiempo" IDs. Venezuelan style mx, some very slight noise, WOAI was off. (Lobel, CA)
+Good w/"Radiotiempo" ID atop low het 0512 4/17. (Connelly, MA)
+Good w/operatic male vocal 0011 4/23. (Connelly, MA)
+Fair w/man in SS 0045 6/1. (Connelly, MA)

1200

?

UNID, someone IDing as "R. Nacional" at 0257 s/off 6/10. (Stanbury, ON)
+Sub-audible het behind Venezuela around local sunset 2340 4/21. It may be wanted Brazilian. (Connelly, MA)

1200.8

a?

UNID, w/fragmentary mx 2317 1/21. Sounded like a Cuban "Reloj Nacional" outlet when noted 0210 1/23 but not sure. (Connelly, MA)
+Slow Latin mx, raw het against 1200 5/30. (Connelly, MA)

1205

CAYMAN ISLANDS, Georgetown, "R. Cayman" here Sunday morning 11/21 just after s/on w/"Yellow Bird", then program //1555. Not heard 11/22 to 1210 despite repeated checks. Note Sunday morning s/on is an hour later than weekday s/on. (Seaver, CA)
+Now has second medium wave frequency on. Noted 0145 11/27 //1555. (Stanbury, ON)
t +Must be the source of the fair carrier here looping exactly the same direction as 1555 1105-10 and 1120-30 12/13. Fantastic Latin morning! (Peterson, CA)
+W/folklore program regarding religion. Woman announcer 1/7 0320, man 0323 w/Bible readings and hymns. (Davis, GA)
t +Carrier only, measured as 1204.997+1 at 1112 1/10. Stable since last measurement. (Peterson, CA)
+Surely the one here w/carrier and occasional bits of what sounded like mx and accented EE talk 0319-0335 1/14. Seemed to go bye-bye sometime around 0335. (Portzer, WA)
+1/17 1056 //1555 and w/better signal, w/usual s/on particulars. WOAI-1200 off, slight WCAU-1210 slop. (Korinek, CA)
+Fair w/mx //1555. France not noted, high end moribund for TAs although low end of the band was open, Cayman Islands noted 0208 1/23. (Connelly, MA)
+W/religious program "The Voice of Prophecy" 1107 1/24 //1555, into another program "The Crossroads Hour" (which they said would last 15 minutes!) 1115, beginning to fade 1129. Assumed to be the one w/religious mx 1108 1/25 but did not stick around for more details. (Oliphant, AB)

- +Dominant w/Tammy Wynette Country Western song //1555 2353 1/26.
(Connelly, MA)
- +Via verification from R.G. Dunlop, R. Cayman is now 10 kw.
(Korinek, CA)
- +0220 1/31 fair w/some kind of speech by woman //1555.
(Falconer, ON)
- +Fair-poor 0328 2/1 w/bits of audio which faded up in the form
of a hymn (male chorus), then weak ID 0324. New country here,
1555 is a poor bet for me due to local KZAM-1540.
(Portzer, WA)
- +Good in het 0107 w/SS BBC-type comedy program //1555, both
about equal in strength 2/12. (McNeil, DC)
- +Fair in EE 0043 2/18. (Connelly, MA)
- 1205 [?] UNID, 11/26 0336 man in unknown language, very possibly EE.
Off at approximately 0338. Signal was S-6, WOAI-1200 and KGYN-
1210 proved almost too much. (Hanavan, CA) (I suspect you had
R. Cayman. One reporter heard the 1555 outlet w/0335 s/off-ed)
- +Playing uninterrupted easy listening mx 11/28. Played Ray
Price "For the Good Times" 0234-3 bells then time ticks 0300.
Male British announcer into BBC World Service news to 0315, no
song titles or announcer activity. Gave ID just before and
after 0300 but too much slop from WOAI-1200. Strongly suspect
Cayman Islands as per WRTH. Program similar to that heard
11/26 on 1555. Checked for possible parallel but no het heard
11/28 on 1555. (Maloney, OK)
- 1208.5 ^a CUBA, Morón, CMJX, good w/vocal mx, SS talk in WCAU-1210 null
0042 2/18. (Connelly, MA) (see also 1208.6, 1209-ed)
- 1208.6 CUBA, Morón, CMJX, noted w/talk badly garbaging WCAU-1210 2356
1/21. (Connelly, MA)
- + "R. Morón" 1/24 0300 soft SS type mx. Good signal on my long
wire. Terrible hets w/one unid and WCAU-1210. (Davis, GA)
- +Loud w/man in SS 0701 2/6. (Connelly, MA) (see also 1208.5,
1209-ed)
- 1209 CUBA, Morón, CMJX, the off-channel Cuban here kicking WCAU-
1210 around w/fierce het 0430 4/15. (Connelly, MA) (see also
1208.5, 1208.6-ed)
- 1210 ● COLOMBIA, Pereira, HJFF, 0700 3/11 man ID on hour followed by
local mx. (O'Hare, WA)
- 1210 CUBA, Holguín, CMKD, 1/17 "R. Reloj Nacional" ID 0830 w/usual
news and time pips. Weak signal and murky audio w/WCAU.
(Thomas, FL)
- 1210 GUATEMALA, Guatemala, TGMX, weak-fair w/low frequency hets and
"R. Rumbos" IDs and mx 0645 7/21. (Clements, CA)
- +11/17 0558-0600 s/off. "Buenos Noches, Guatemala" caught my
ear in passing, then s/off announcement. No anthem.
(Seaver, CA)
- 1210 [?] UNID, terrific het on WCAU most nights after 0100 UTC. Any
ideas? (Hogan, IL) (Cuban?-ed)
- 1212 ● COLOMBIA, Cúcuta, HJBE, R. Internacional, suspected as the RCN
network station here at potent level, equalling WCAU-1210 on
peaks 0001 2/11. (Connelly, MA)
- ^t +0211 2/12 fast SS talks by two announcers, thought heard ID,
poor-very poor in het and 1210 slop. (McNeil, DC)
- 1212.8 [?] UNID, very weak carrier hetting WCAU-1210. Seemed like
commercial SS format when audible, but not sure, 2/20 0105.
(Davis, GA)
- 1215 [?] UNID, very weak SS worked on unsuccessfully 5/5 in the
evening. (Schatz, FL)

- 1220 [BRAZIL, Rio de Janeiro, PRE3, R. Globo, on the new frequency, regular nightly 2145-0900 //short wave 11805. (Wood, St. Lucia)
- 1220 CUBA, Perico, CMGY, 1/5 0450-0500, easy listening Latin mx, news by woman, Cuban National Anthem 0500 w/ID. Signal good-fair o/under WGAR. (Thomas, FL)
- 1220 MEXICO, México, D.F., XEB, heard through CKDA w/whoop-whoop Interval Signal 9/23 1140. (Pejza, CA)
+Quite strong 12/5 w/"R. Cuatro, las estaciones el whoop-whoop..." IDs given frequently. (Tomer, CA)
+1/4 0630 fair-good fighting WGAR. Distinctive "whoop-whoop" ID signal, followed by man shouting "R. Cuatro". This station is parallel on program style to XEMP-710, R. Dos, XESM-1470, R. Cinco, XERPM-660, R. Uno, XEDF-970, R. Trés, and XERH-1500, R. Seis. The last three listed have been heard here quite often. (Davis, GA) (All the stations you mention are owned by the same people, hence they all have the whoop-whoop IDs and slogans numbered in ascending order of dial positions-ed)
- 1220 ? UNID, SS world news report dominant, mentions of capitals such as Bogotá, Caracas, Sofia, Moscow, etc. 0300 4/10. (Connelly, MA)
- 1240 ? MEXICO, 3/28 0745 in local KSON null. Could not get positive ID but certain it was a Mexican. (Lobel, CA)
- 1243.5 h [PANAMA, Chitré, Ondas Tropicales is a new station here, with strong signals as far north as Canada. (SWNS, April 76)
+Has developed a substantial harmonic on 2487. Positive ID at 0205 9/14 and a couple times since. (Stanbury, ON)
- 1265 ST. KITTS, Basseterre, R. Paradise, good w/EE female vocal 0217 7/11. (Connelly, MA)
+EE religious show 0920 7/25 w/man talking. Mx at 0930, then seemed to go into another program. No ID heard due to KYA-1260/KYAC-1250 slop. (Bytheway, WA)
+Noted 8/2 0440 w/religious mx and requests in EE w/excellent signal. WRTH lists this one signing off at 0300. First heard 0225 and listened right through until 0440 when I had to go to work. (Baker, South Africa)
+Almost nightly, first heard 0230 8/19. (Klemp, CT)
+ID 0903 8/30 heard while checking out 1260/1270. British accented EE. CFRN-1260 off, interference from KIML-1270 Proof of Performance test. (Oliphant, AB)
+Fair-good signals w/religious talk by man in EE 2251 10/23. (Connelly, MA)
+Fair w/hymns 0016 11/27. (Connelly, MA)
+W/religious mx, male talking in EE 0923 1/3, ID 0931 as "You're tuned to R. Paradise", interference from 1260. (Oliphant, AB)
+2/9 0115 EE, end of religious program featuring a sermon about "Your Rights", 0230 ID, some gospel mx. Poor-good. (McClenaghan, ON)
+Must be the source of the strong carrier noted 1040-1110 2/14. KYA-1260 was fairly easy on me for a change, except for a little slop. (Peterson, CA)
+Just a carrier 1030 2/28 fighting bad KYA-1260 slop. (Peterson, CA)
+0215-0302 3/2 w/fundamental-style EE preaching, hymns, etc., interspersed w/fading, EE scripture, a benediction mentioning "R. Paradise", choir mx, and carrier cut. Don't they ever give full IDs? (Lankford, TX)
+3/24 0144 good w/hymns and EE announcements. (Curtis, VT)
+Good w/religious choral and organ mx 0030 3/29. Jamming WEZE-1260 w/fierce het 0035 4/10. (Connelly, MA)
+Good w/religious talk 4/21 0154. At 0200 mx "Spirituals". (Curtis, VT)
+Good w/EE religion 0010 4/23. (Connelly, MA)
+4/27 0207 just a faint het. (Orr, CO)

+Noted in passing w/"Back to the Bible" program in EE 0037
6/12. (Connelly, MA)

- 1270 CUBA, Camagüey, CMJG, 12/20 0805 surprisingly strong w/some fade. Frequent SS IDs, "R. Reloj" or "R. Reloj Nacional" or simply "Reloj". (Thomas, FL)
+Good w/"Reloj" program in null of FFC 0656 2/6. (Connelly, MA)
+Good w/KFJZ w/usual "Reloj" format 0848 3/7. (Portzer, WA)
+4/13 0240 very weak. At first, only time pips were heard u/WTNT/WEIC, etc. Later occasional fragments of audio heard. No het was heard so assume was on 1270. (Davis, GA)
- 1270 MEXICO, Nogales, Son., XENY, in fair w/Mexican mx and "Esta es música... en Geny" IDs 0824 7/21. (Clements, CA)
+In and out w/SS mx 0820-0850 12/20. ID 0821 as "R. Geny". (Portzer, WA)
+"R. Geny" here all night 12/20, noted at 0945. (Seaver, CA)
+12/20 1028. Several good "R. Geny" IDs w/XEAZ off this Monday morning. Ranchero and Christmas mx. Mention of Nogales 0140. Recheck 1210 and still here. (Lobel, CA)
+12/27 0854 man in SS w/"R. Geny" ID, then ranchero mx. At 0858 had complete ID w/call, city, frequency and power, after a commercial. (Bytheway, WA)
+3/28 0109 heard "R. Geny" ID faintly in background. (Lobel, CA)
- 1270 MEXICO, Tijuana, B.C., XEAZ, nearly alone here w/rhythm and blues in EE 0641. KCOK normally dominates here, haven't heard XEAZ in years. (Heald, CA)
- 1270 ? UNID, SS here w/mx and some announcements 0915+ 12/13 o/under Cuban and KFJZ. Possible Eastern Standard Time time check. (Portzer, WA)
- 1280 BRAZIL, Rio de Janeiro, ZYD74, R. Tupi, PP talk weak 12/28 0134. (Herbst, West Germany)
+4/6 2200 and often. (Wood, St. Lucia)
- 1280 MEXICO, Chihuahua, Chih., XEBW, in and out w/"R. Variedades" IDs 1220 8/3. (Clements, CA)
- 1280 MEXICO, Guadalajara, Jal., XEQP, 2/4 1037 heard u/mess with "R. Variedades" IDs. (Korinek, CA)
- 1280 ? UNID, 6/3 2150 SS u/CJMS/CKCV (I've supposed US station) poor. (Beauregard, PQ) (Possibly the New York City station, which is 100% SS programming-ed)
- 1290 ? UNID, SS in and out among various domestic testers 0708-0739 6/21. Featured lots of brassy uptempo vocals, but no IDs noted. Did have a Carta Blanca commercial at 0717 and possible mention of México, so possibly Mexico City. (Portzer/Bytheway, WA)
- 1300 MEXICO, Nogales, Son., XEXW, 1/22 2335 w/many mentions of Nogales and "XEXW, R. Trece" IDs. KWKW uses this ID too, but I'm sure of XEXW calls. KWKW was nulled to get this one and with a different announcer. (Lobel, CA)
- 1300 ? MEXICO, "R. Sensación" weak-good w/interference and a Sub-Audible het. Lots of "R. Sensación" IDs like the Mexican on 1490, but nobody listed in WRTH. KWKW off and testing intermittently 0700-0722 8/9. (Clements, CA)
- 1305.8 t PARAGUAY, Asunción, ZP10, not IDed 0850 10/30 but IDed by playing the same sort of mx that the Paraguayan on 645 does. The direction finder was right. Paraguay-835 was logged a few minutes previously and found it conveniently listed in the WRTH u/"1306"! (Schatz, FL)

- 1310 MARTINIQUE, Fort de France, France Region 3, fair signal on 8/12 at 0100, FF, news. (Herbst, West Germany)
- 1310 MEXICO, Matamoros, Tams., XEAM, weak daytimer in Houston under KBUC. Commercials for Brownsville. (Schatz, TX)
- 1310 MEXICO, Tijuana, B.C., XEC, in fair w/call IDs 0831 7/21. No big deal but it's new for me. (Clements, CA)
- 1330 BRAZIL, Belém, ZYE25, Radio Difusão Liberal, 4/6 2200, "Voz do Brasil", with own program 2315. (Wood, St. Lucia)
- 1330 ? UNID, SS here o/under KFH w/KUPL/KFAC off. Had a couple of commercials 0827 2/14, one mentioned "pesos", but nothing else to pin it down, then had mostly instrumental harp mx and some vocals. Lost after KUPL came back on 0844. (Portzer, WA)
- 1340 CUBA, Colón, CMGU, 2/28 0640-0700, "R. Reloj Nacional" w/usual news and time checks, very weak w/interference. (Thomas, FL)
- 1345 ? UNID, SS station w/interview of man, followed by male singer in SS u/local WJPF-1340. (Gerardi, IL)
- 1349.17 MEXICO, San Luis Río Colorado, Son., XELBL, in fair-good throwing wicked het at 1350 stuff w/"R. Centro" IDs. Still varying frequency as per all lists. (Korinek, CA)
- 1370 t MEXICO, Mexicali, B.C., XEHG, 1/22 2305 strong suspect w/woman announcer in SS. KGB-1360 slop too much. No positive ID heard. (Lobel, CA)
- 1370 MEXICO, Nogales, Son., XEHF, weak-excellent through interference w/"R. Variedades" IDs. Complete call ID 0836 8/1. Not R. Familiar as listed in WRTH. (Clements, CA)
- t +Heard 0730-0800 8/23. Station gave complete ID on each hour and half-hour in which the call sounded like XEEM and location like Nogales but I wouldn't bet on it. I'm positive of the slogan, XE prefix and power which was 5 kw. 75 WRTH lists Nogales as XEHF-R. Familiar, so I'm simply logging this as XE__-R. Variedades" until I find out whether this is a new station or a call and slogan change for Nogales. In either case, this station not previously logged here. (Korn, CA)
- 1375 ? UNID, open carrier here from 0250 until it left the air shortly after 0300 6/23. Presumably same one here w/tone 6/24 from 0125 until it abruptly left the air 0143. Comparatively strong signals both dates but low modulation level 6/24. (Stanbury, ON)
- 1380 MEXICO, México, D.F., XECO, in weak-fair w/mx and news items and "R. Eco" IDs 0743 8/9. (Clements, CA)
- +Heard w/ID and time check without echo 0754 8/23. (Korn, CA)
- 1390 HONDURAS, Tegucigalpa, HRVC, La Voz Evangélica, now here from 1380, with 10 kw. (MWN, November 76)
- 1390 VENEZUELA, Caracas, YV??, R. Fé y Alegría is a new station here. The station is founded by Padre Javier Castiella and broadcasts mx and cultural programs. Address is R. Fé y Alegría, Urb. La Rinconada de Coche, Caracas. (SCDX, January 77)
- 1415.9 ? DOMINICAN REPUBLIC, Unid w/"pambichao" mx 1003 11/1 and mentions of Dominican Republic. (Schatz, FL)
- 1416 a? UNID, Latin, SS mx and talk 0008 2/11. (Connelly, MA)
- 1419 CUBA, Baracoa, CMDX, fair 0200 7/7. (Connelly, MA)
- +Loud w/SS talk totally wasting 1420 0010 2/11. (Connelly, MA)
- +Usual pest here w/SS talk 0017 4/3. (Connelly, MA)
- +Potent w/Cuban folk mx, 0521 4/21. (Connelly, MA)

- 1420 BRAZIL, Belém, ZYA66, R. Clube do Pará, 4/6 0440 carnival mx, heard often. (Wood, St. Lucia)
- 1420 MEXICO, Ciudad Juárez, Chih., XEF, in fair-good w/lots of talk and mentions of Chihuahua. Lots of interference at times 1133 8/3. (Clements, CA)
+12/20 w/good ID 0455 w/XEXX off. (Lobel, CA)
- 1420 MEXICO, Matamoros, Tams., XEEW, Texas coast daytimer, "Ecos de... something" IDs, never caught it completely. (Schatz, TX)
- 1420 MEXICO, Tijuana, B.C., XEXX, s/off is at 0800 w/full particulars followed by "Where Do I Begin?". (Lobel, CA)
- 1420 ^h VENEZUELA, Maracaibo, YV??, R. Visión, harmonic heard almost nightly on 2840 until 0355 s/off. (Stanbury, ON)
- 1420 [?] UNID, Latin, SS phone-in talk show o/domestics and Cuban-1419 het 0520 4/21. (Connelly, MA)
- 1430 MEXICO, Ciudad Obregón, Son., XEOX, excellent and dominant w/some low frequency het, call ID 1257 7/23. Heard several times since now that KALI is no longer NSP. (Clements, CA)
- 1440 MEXICO, México, D.F., XEAI, 12/27 0910 w/good "R. A-I" ID 0111 w/ranchero mx. (Lobel, CA)
- 1465 COLOMBIA, Lebrija, HJTZ, "R. Palonequo" ID and time check 0238 11/2, cumbias, weak. (Schatz, FL)
- 1470 MEXICO, México, D.F., XESM, w/mx Monday morning 8/16, electronic Interval Signal 1055 followed by poor ID. Lots of slop. (Pejza, CA)
- 1470 MEXICO, Tijuana, B.C., XEBBC, upon phone tip from Jef Jaisun in Kirkland, tuned to 1470 in time for a garbled XEBBC ID in SS at 0914 12/20. CJVB open carrier was mangling XEBBC, sometimes blotting it out, so nil-fair signal. Seemed to be playing old rock. Heard test tone at one point so maybe an equipment test? (Hall-Patch, BC)
+2/6 0801 in excellent as usual but w/an entirely EE format including US diddy-bop-bop rock mx (home brew name) and slogans such as "the big BC, all the way from TJ, on 1470, the clear channel of the west." (Korinek, CA)
+Usual strong signal 0750 6/20 w/EE announcements and rock mx, s/off 0757 in SS. (Bytheway, WA)
- 1470 [?] MEXICO, 12/25 1200 many Mexicans mixing here. No positive ID on any of them. Suspect XEHI, XESM or XETKR. XEBBC was off. (Lobel, CA)
- 1475.1 HAITI, Port-au-Prince, 4VAA, Voix du Peuple w/Creole speech 0934 11/1, so this one is back on the air. (Schatz, FL)
- 1480 CHILE, Curico. New is R. Libertad, s/off 0500. Address is Casilla 757, Curico. (MWN)
- 1490 MEXICO, Ciudad Juárez, Chih., XECJC, 11/22 0845 several "Radio Sensación" IDs by man. Popular mx in SS in null of KDB with another unid (probably KCUZ). (Lobel, CA)
- 1500 MEXICO, México, D.F., XERH, in fair w/some KSTP interference 0209 9/5 using same whooping sounds as R. Uno-660. (Olyphant, AB)
- 1520 COLOMBIA, Barranquilla, HJLQ, R. Minuto heard 0240 10/18 w/SS mx and yakky announcer w/many "Minuto" mentions and also "Más Música", good at times u/KOMA open carrier and possibly some KYXI interference. (Belanger, MB)
+10/18 0727 fair o/unid open carrier w/"R. Minuto" ID and Latin mx. (Forth, IL)

- +3/21 several clear "R. Minuto" IDs around 0831 and Latin mx. Fair u/WKKB and KOMA equipment test. (Thomas, FL)
- 1520 MEXICO, San Luis Rio Colorado, Son., XEEH, 11/29 1250 w/ID and mention of San Luis Rio Colorado. (Lobel, CA)
+3/28 1255 w/ranchero mx and many IDs by female announcer. Chimes at 0100. (Lobel, CA)
+4/3 1215 noted w/woman saying "X-E-E-H" and perhaps "Radio Sonora". Much cleaner "X-E-E-H" ID by man 1221. At 1228 many mentions of Guadalajara--an ad? Signal extremely poor-fair w/KYXI off. (Hall-Patch, BC)
- 1524.5 ? UNID, 1/30 0630 strong carrier looped North-Northeast/South-Southwest, no audio but suspect Costa Rica. (Davis, GA)
- 1525 COSTA RICA, Puntarenas, TIEEAW, 11/23 1048 in poor w/SS talk by man w/but one mention of "R. Puntarenas". (Korinek, CA)
- 1525 COSTA RICA, Turrialba, TIJJC, "R. Colombia" 12/6 1040 w/good ID 1102. Excellent level for listed 1 kw. (Seaver, CA)
- 1525 ? UNID, 0412 2/7 man SS announcer, woman SS singing ad, male SS slow romantic song. Costa Rica presumed. (Lankford, TX)
- 1535 ? UNID, Latin 12/6 strong open carrier 1101-1129, weak SS after 1130. No one listed! (Seaver, CA)
- 1536 ECUADOR, Machala, HCHG3, R. El Sol here from 1540 (per WRTH). Played pasillos all night, then finally caught PSA for "Cooperativo 11 de Julio" mentioning investing "sucres" which would benefit "Machala y Bolivar", this at 0336 10/7. Stronger than Ecuador on 1555 which was also around. (Schatz, FL)
- 1536 ? UNID, 0353 2/7 male SS vocal o/under the noise. Perhaps La Voz de Petrolero, per 1/71 FBIS. (Lankford, TX) (76 WRTH lists them as on 1540, but does have a Hondurian 'Radio Comercial' listed on 1537-ed)
+0525 2/13 fast talking SS male announcer and into Latin instrumental. Again 0546 2/14, and numerous other times, but never enough audio for an ID. (Lankford, TX)
- 1540 BAHAMAS, Nassau, ZNS1, 12/27 very good signal this Monday morning 0700. ID 0700 w/nonstop soft rock and Christmas mx until ID 0731 "This is R. Bahamas..." (Thomas, FL)
+1/24 0835-1001 in fair w/Middle-of-the-Road mx and extremely few IDs, into Calypso mx after 1000. (Korinek, CA)
+2/21 0859 weak w/mention of "R. Bahamas". Some KRGO-1550 slop Soft mx. KXEL at 0059:15 ruined any farther chances of logging. This makes another country for me. Report sent. (Lobel, CA)
+O/under WPTR w/woman in accented EE during extremely auroral conditions 0115 5/3. (Connelly, MA)
- 1548 TURK AND CAICOS ISLANDS, Grand Turk, VSI, "The station that's high is VSI!" per announcer trying to ape R. Jumbo-545 0026 10/6. Plays all disco. Moderately clear signal. IDs exclusively by calls: "Vee-ess-eye". Second new country in as many days. Off nominal 1550 khz so should get out now. (Schatz, FL) (see also 1552-ed)
- 1550 COLOMBIA, Barranquilla, HJAX, R. Quince has a nightly harmonic on 3100 khz. They were also heard w/strong but very distorted spur on 1710a from 0330 11/7 and again shortly after 0000 11/8. They no longer seem to use their call letters in their ID announcement even though they were doing so as recently as 9/26 when heard on 1550 at 0600. (Stanbury, ON)
+Logged 0345 2/15 through considerable interference but easily IDed by parallel w/harmonic on 3100 which was in the clear. (Stanbury, ON)

- 1550 MEXICO, Nueva Laredo, Tams., XENU, 1/10 1240 good w/"La Rancherita Contenta" ID at S-8 w/no sign of KRGO and XEBG still off. Some fades w/unid test tone surfacing 0545. Another new Mexican state for me. (Lobel, CA)
- 1550 MEXICO, Tijuana, B.C., XEBG, noted w/SS mx and ID 0721 6/14. Can't recall them staying on after midnight before so possibly a schedule change. Severe KZAM-1540 slop. (Portzer, WA)
- 1550 PUERTO RICO, Yauco, WKFE, 1/6 2230-2245 ID "WKFE...", Yauco" 2244. Man announcer, Latin mx. Weak signal w/interference from WYOU. Fadeout 2245. First time heard. (Thomas, FL)
- 1552 TURK AND CAICOS ISLANDS, Grand Turk, VSI, There is now a medium wave station here. Frequency is approximately 1550 khz with 1/5 kw, s/off is at 0130. (MWN, June 76) (Turk and Caicos Islands are about 100 miles North of Puerto Rico-ed) +VSI here from 1548. Frequency was 1552.4 as of 11/2. (Schatz, FL)
 +Logged from 2307 12/2. Strong signals but severe CBE-1550 splatter. Were heard w/Country Western mx rather than disco as previously reported. (Stanbury, ON) (see also 1548-ed)
- 1555 CAYMAN ISLANDS, Georgetown, According to a newspaper report, Radio Cayman went into full operation on July 22, 1976. The station, South of Cuba, is using this frequency. The report said that the station would be audible in all three islands of the colony as well as in neighboring countries. (SCDX)
 +Heard 11/1 0020-0035. Strong signal, some WQXR-1560 splash but an easy logging. (Stanbury, ON)
 +Per tip from Gordon Nelson, R. Cayman was noted w/good signal w/anthem at s/off 0140 11/1. (Connelly, MA)
 +Testing w/variety of mx before 0200 11/2. No ID heard. Strong but audio somewhat distorted at peaks. (Schatz, FL)
 +Fair w/classical mx program, then ID "You are listening to R. Cayman Islands, Grand Cayman Island, the time in our studio is 7 o'clock", then old instrumental "Out of Limits". Monitored 2358 11/5 to 0002 11/6. (Connelly, MA)
 +Excellent many evenings w/het against France-1554 until they s/off 2300. Have noted BBC World Service news on the hour. Has a chime or bell Interval Signal on the hour w/ID "This is R. Cayman, the Voice of the Cayman Islands". Noted on past 0300 11/6 but off by 0500 so maybe 0400 s/off as WRTH notes. (Eckman, PA)
 +Has been heard w/good signal. S/off around 0500. Programs in EE. (Coleman, NC)
 +Heard 11/7 and 11/8. On Sunday morning 11/7 S-8 open carrier noted 1134. At 1154 calypso mx, man w/"Radio Cayman, the Voice of the Cayman Islands... 1555 khz..." then "Yellow Bird" (presumed it is the Interval Signal). On Monday morning 11/8 noted open carrier at 1045, tuned at 1057 to catch "Yellow Bird" organ Interval Signal. Listed as 1100 s/on. (Seaver, CA)
 +Here 11/7 0328 at end of religious program. At 0330 a single long pip, then an announcement by a woman in what I think was EE. A man said a few more words, then there was instrumental mx. Abruptly, in the middle of mx the station left the air completely. Thanks to Greg Atkins for tip on this one. Must be the new outlet in Cayman Islands. A very loud noise buzz kept me from getting a better reception but looped to Caribbean. (Nall, KY)
 t +Noted weak carrier here 11/9 0345 looping Southeast. No audio discernable and gone by 0350. (Hall-Patch, BC)
 t +Very likely the weak signal I monitored 1030-1130 11/15. Had carrier only to 1055:45 when mx began. Mostly soft mx and singing w/no voice announcements that I could hear, even at s/on. Signal was steady until near 1130 when considerable flutter was noted, corresponding closely to sunrise time at Cayman. KRGO-1550 provided the most interference. Loop was Northwest-Southeast. Frequency was measured as 1554.993 at 1038 (+0.0008 khz plus gate error). This would be a new

country for me. (Peterson, CA)

+11/15 1055 s/on s/S-9.5 signal. Gave full details and followed by song "Yellow Bird" played on organ. Some KRGO-1550 slop. Had open carrier for 5 minutes before s/on. (Lobel, CA)

+S/on 11/15 1055:45 w/perfectly clear and readable ID. (Seaver, CA)

+Fair signal w/comedy or play 2344, soft mx, ID by woman and Eastern Standard Time time check 0000 and into popular mx program w/Sly, 3 Dog Night, etc. Slight interference from WDXR-1560 this on 11/18. (Forth, IL)

+S/on and ID, excellent signal and modulation, in loud 1100 11/19 w/light mx and announcement in EE. (Manning, CA)

+S/on Sunday morning 11/21 1156 //1205. On Monday morning 11/22 this did not s/on at regular 1055 nor at 1155. Last checked at 1205. (Seaver, CA)

+11/24 s/on at 1056:30 following "Yellow Bird" organ Interval Signal at 1056, in good as usual. Noted religious mx beginning 1101. Chime Interval Signal followed by "This is R. Cayman Islands, the Voice of the Cayman Islands. The time is now 7 o'clock" at 1200. (Korinek, CA)

+11/24 was tuned to this frequency and at 1054 heard open carrier become calypso mx and shortly thereafter "Yellow Bird" heard. However, KRGO-1550 slop was horrid. No announcements heard at all. What would pass for religious programming noted after 1100, but signal extremely poor. Tried again 11/29 1054-1100 and 1154-1200 but nothing at all heard either time. (Kaskey, CA)

+Fair w/reggae mx, slop from WPTR-1540 0022 11/27. (Connelly, MA)

+S/off is 0335. As of 11/28 they were still not announcing 1205 even though on. (Stanbury, ON)

+In w/good carrier but audio awfully mushy 1054-1115 11/29. Only about 1% readable, no report yet. (Peterson, CA)

+12/1 was tuned at 1055 but nothing heard. Back again 1116 and noted 2 stations now here. Dominant w/hymns in EE, other man talking. Faded down, back up 1125 w/"Rock of Ages". Again 2 distinct signals 1128, man still talking in Oriental language and hymn player w/no announcements between songs. Up again 1135 and held past 1143. Had faded out by 1155 and some Mexican bombed on 1560 at 1200 to kill further DX there. No IDs but certainly expect R. Cayman and Philippines. (Kaskey, CA)

+First show of audio came 1055-1130 12/6. ID garbled but "Yellow Bird" clear. Then the big one on 12/13! S/on 1055:55 w/mx (not Yellow Bird), clear ID 1057, then "Yellow Bird" on organ ending at 1100:00, then 6 o'clock time check, then Christmas carols. At 1115 3 chimes (medium, high, then low) and time check. Recheck at 1205 still some audio, at 1230 -- an hour after Cayman sunrise -- still had an intermittent carrier! Precision Frequency Measurement: 1111, 12/6 1554.990+2; 1107 12/13 1554.990+1. Seems very stable. Joyfully reported! (Peterson, CA)

+12/13 0355 strong open carrier here was most likely this one. Did not wait for any audio. (Lobel, CA)

+Fair w/Muzak instrumentals ("Raindrops Falling on My Head", "Memories are Made of This", etc.) 0222-0233, ID by woman 0233 12/31. Signal excellent 0230 when ID should have been given, by 0233 it was being annihilated by pestiferous WPTR/WQXR/CKLM garbage. (Connelly, MA)

+In fair w/mx in FF, measured as 1554.999+1 at 1115 1/10. (Peterson, CA)

+W/slight fades occasionally over S-9+20! Precision Frequency Measured at 1554.9. Program //1205. Much better signal here than 1205, however, 1205 is very readable. (Davis, GA)

+Fair w/soul record "Funny How Time Slips Away" 0005 1/22. Good w/"Fooled Around and Fell in Love" by Elvin Bishop 0208 1/23. (Connelly, MA)

+W/ID 1100 1/24 as "You're tuned to R. Cayman", into religious programs as described on 1205, fair signals w/some KKA-1560 s/on interference. (Oliphant, AB)

- t +Fair-good w/"Disco Duck" record 2341 1/26. (Connelly, MA)
 +1058 2/1 definite carrier noted here and thought I heard a few faint bars of "Yellow Bird" in the 1550 slop. Tape wasn't running however, so this one still eludes me. (Hall-Patch, BC)
 +0308 2/7 in the clear w/devotional. S/off 0316 w/mention of ownership by the Government of the Cayman Islands, list of operating frequencies of this and other transmitters, returning to the air at "5:55 tomorrow morning", closed program w/"God Save the Queen" instrumental, open carrier still there 0350. (Lankford, TX)
 +2/9 0015 EE female announcer, familiar rock/folk tunes such as "Leaving on a Jet Plane", "100 Miles", sounded like a request show. At 0030 British drama. Poor w/interference from CBE-1550 and WQXR-1560. (McClenaghan, ON)
 +Fair w/mush mx (Johnny Mathis) 0028 2/18. (Connelly, MA)
 +Good w/Latin style mx, 1205 also noted in at the same time 0122 4/22. (Connelly, MA)
 +Good w/man in EE during heavy aurora 0116 5/3. (Connelly, MA)
- 1555 ? UNID, sat on this frequency 1100 11/1. Looped Northwest/Southeast, so I was hoping for Cayman Islands, but not even a peak of audio. Not Philippeans since the loop was wrong way for that. Ah, tantalizing carriers, where would we be without them. (Peterson, CA)
- 1560 CUBA, Cárdenas, CMGB, 10/18 0930 alone and fair signal w/ID. (Nall, KY)
 +12/6 0905 very strong suspect w/news and frequent time checks. Slop from 1550 too much for much to be intelligible. (Lobel, CA)
 +1/3, ID 0900 as "R. Reloj", then continuous news fair-good w/out interference. CMGK-930 also better than usual this Monday morning. (Thomas, FL)
- 1560 MEXICO, Ciudad Juárez, Chih., XEJPV, 12/13 s/on and many "X-E-J-P-V, R. Chamizal" IDs by men and women announcers. Heard and reported to before but never verified. (Lobel, CA)
- 1560 MEXICO, México, D.F., XEVIP, 3/19 "R. V-I-P" IDs, CBS news, popular, Country Western mx in EE. Taped time checks. Fair-good 0400-0415+. (Thomas, FL)
- 1570 t GUATEMALA, Guatemala, TGVE, 3/19, hell-fire religious sermon and gang singing in SS 0435-0518+ "La Voz... de América" ID and mention of Guatemala. Fair-good w/XERF interference. (Thomas, FL) (Believe that should be "La Voz Evangelica de América"-ed)
- 1570 t MEXICO, Ciudad Acuña, Coah., XERF, heard here 6/25 0329 with religious program in EE. I must regard this as a tentative logging as reception was poor and signal very weak. No ID was heard. (Baker, South Africa)
 +Comes in very good, especially lately, w/EE gospel mx and programs w/ads trying to sell gospel hit records. (Endza, CA)
 +0300-0330 10/22 w/excellent signal w/religious programming. (Orr, CO)
- 1570.8 t DOMINICAN REPUBLIC, Santo Domingo, HIAJ, R. Turismo (?) likely w/SS talk and mx 0013 2/11. (Connelly, MA)
- 1571 a DOMINICAN REPUBLIC, R. Unión, really laying seige to CKLM-1570 during aurora, soft Latin mx in at 0120 5/3. (Connelly, MA)
- 1580 h DOMINICAN REPUBLIC, Samaná, HIWJ, R. Samaná's harmonic often heard on 3160. S/off noted as 0155 3/29. (Stanbury, ON)
- 1580 MEXICO, Hermosillo, Son., XEDM, 0300 6/5 w/ranchero mx o/under KDAY w/poor IDs. Why this wasn't in the log earlier beats me! (Newell, BC)
 +9/6 0535 at times overpowering KDAY w/S-10 signal. Male announcer. (Lobel, CA)

- 1580 ? UNID, someone testing here w/open carrier and tone 2350 12/13 past 0030, also the following night 2330+. Again 12/25 well atop CBJ 2315 and tone clearly audible w/CBJ 2357. It seems unlikely, though not impossible, that this is a US station. (Stanbury, ON)
 +The mysterious tester first noted in December is still here, heard 0040 4/7 w/tone well atop the frequency. (Stanbury, ON)
- 1596.9 ?a UNID, 2/4 0330 mild SS mx. Mucho interference plus very few announcements equals bad copy. This could be a spur w/my 1650 Intermediate Frequency and all. (Davis, GA)
- 1597 ? UNID, 0423 2/14 not enough audio for a guess, perhaps Dominican Republic. (Lankford, TX)
- 1602.6 DOMINICAN REPUBLIC, Santo Domingo, HIEG, "R. Fémina" now up here from nominal 1600. (Schatz, FL)
- 1606 ? UNID, fair signals w/man and woman in EE in and out, been trying for quite a while on this. Ideas? 0650 11/20. (Manning, CA) (Probably either a pirate or some stations relay transmitter for remote operations-ed)
- 1613 GUATEMALA, Rabinal, "RAB", this radiobeacon noted w/fair signal and continuous code identifier (.-., .-,) 0844 12/13. (Portzer, WA)

ARGENTINA. R. Nacional, Buenos Aires-870 is on 24 hour schedule and call is now LRA1. R. Nacional, Córdoba-780 s/off 0530. R. Ciudad de Buenos Aires, Buenos Aires-710 s/off at 0430. Argentina has a new system of postal codes. (MWN, March 76)
 LR11 resumes old name R. Universidad Nacional de la Plata, vice R. Eva Perón. LRA9, R. Nacional Esquel moves to 690 from 700. LSL, Buenos Aires-710, now 50 kw. LRA7, Córdoba-750, now 100 kw. LR3, Buenos Aires on 950, now 100 kw. (MWN, November 76)

BRAZIL. New call for R. Guaiba, Pôrto Alegre-720, is ZYH262. Radio Nacional, Brasília is on 1210 with 10 kw, 24 hour schedule, and on 980 w/300 kw from 0300 to 0800. (Note, Ron Schatz reports hearing the latter testing w/full power recently-ed). R. Espírito, Santo-1160 is installing a new 20 kw transmitter to replace present 10 kw one. ZYE88 is now R. América in Río de Janeiro (ex R. Vera Cruz) 24 hours on 1430. New is ZYH7, on 1460, R. Soc. Catarinense. Address: Caixa Postal 30, Joacabá, Santa Catarina. (MWN, March 76)
 "The new frequency plan will take effect at midnight local time on October 3, 1976. All stations must be ready for it or leave the air." The major problem is to import the new 300 kw transmitters from overseas in such a short time. (DXN)
 R. Cultura, Caxias do Sul-1370, is the new name for Emisoras Reunidas. R. Clube Paranense on 1440 khz has new callsign ZYE350 and is 24 hours. (MWN)
 Two new transmitters for medium wave have been installed at Rodeador (55 km from Brasília) for R. Nacional de Brasil. (SCDX) (those are 300 kw, also believe one is for 800 khz-ed)

COLOMBIA. Ondas del Caribe-840 is now 30 kw. Ecos del Combeima now on 1025, ex 1170. La Voz de Medellín now 1030 ex 990. Ondas del Valle now on 1090 ex 1190. (MWN, June 76)
 According to a verification from the Acción Cultural Popular station, Radio Sutatenza, its Medellín station HJCR on 590 has increased power to 100 kw. The former 10 kw transmitter is now used as a standby. (SCDX)

ECUADOR. R. Juventud, R. Mambo, becomes R. Nacional Espejo (550 khz, 10 kw, to 560 khz, 50 kw). R. Sucre-695, now 50 kw, R. Quito-760, now 25 kw. R. Noticia-1080, now 10 kw. R. Libertador moves to 1235 from 600. (MWN, November 76)

NETHERLANDS ANTILLES. According to Association Press in the 23 May Los Angeles Times "Oranjestad... Independence is just down the road for the six islands of the Netherlands Antilles. However, some politicians on this tiny island want Aruba to strike out on its own. 'We want independence, but we want it for Aruba alone' says Gilberto (Bético) Croes, 38-year old leader of the island's largest party, the separatist-minded Movimiento Electoral del Pueblo. The Netherlands, on the other hand, is dead set against piecemeal independence. Its commitment is the establishment of an Antillean Federation made up of all six of its island possessions in the Caribbean." (SWNS, June 76)

URUGUAY. CX32-1170 is now R. El Mundo at 3 kw. New since August 25, 76 is CV127-1270, R. Cuateim. Address: Avenida Lecueder 244, Artigas, Uruguay. (SCDX)

A new commercial station opens at Melo with 25 kw day, 1 kw night. (MWN, November 76)

VENEZUELA. R. Selecta-1390 at 1 kw at 2225 on Thursdays, and La Voz de la Fé-580 at 3 kw at 0055 on Sundays, are presenting a new DX program sponsored by the YV Zulia DX Club, Calle 61 A, no. 13A-98, Maracaibo, Venezuela. Reception reports and collaboration from DXers is welcome. (SCDX)

R. Visión-860 is ex R. 860, and is in San Cristóbal. R. Visión in Caracas is soon to be 100 kw. R. Valles del Tuy-1030 is now 10 kw. New is La Voz del Sur del Lago-1350 with 10 kw, at Caja Seca. YVZO-1420 is now R. Visión, ex Motiradio Marabina. (MWN, June 76)

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Atlantic Loggings

- 151 WEST GERMANY, Donebach, DLF, fair in GG 0153 8/20; measured on 150.9999. (Nelson, MA)
+Occasional weak carrier & traces of audio here when cx are good around 0600+ several nights. (Foxworth, NY)
- 155 ROMANIA, Brasov, good 0302 8/21 w/woman reading what seemed to be nx headlines; measured 155.0001. (Nelson, MA)
- 164 FRANCE, Allouis, like a local 0410 8/18; freq measured 163.840 this night & 8/21; odd they're so far off nominal. (Nelson, MA)
+At 0426 to past 0511 w/FF mx, anmts, TC at 0500, ID, lively mx, all on tape! 12/3 & 12/4. (Young, CA)
+Has been hrd in early morning period, usually peaks between 0500 & 0600 (in March - ed). (Foxworth, NY)
+Talk in FF, xlnt signal 2152 5/29. (Townshend, Spain)
- 180 WEST GERMANY, Saarlouis, Europe #1, will increase power from 1.4 MW to 2.0 MW. (MWN, 9/76)
+like a local 0400 8/18; chimes & ID in FF. (Nelson, MA)
+This has been the outstanding LF TA here this season, tnx to the well-deserved demise of WGU-20 last May (tho they do still test occasionally w/OC!). Doesn't peak at the same time or on same nites as 164, but they do have very similar sounding programming. Closest QRM is RTTY around 183. (Foxworth, NY)
- 185 EAST GERMANY, Oranienburg, fine in GG w/ID 0200 8/20; frequency measured as 185.0002. (Nelson, MA)
+Occasionally hrd thru moderate RTTY QRM around 0530ish, depends on good cx & is moderate at best. (Foxworth, NY)
- 191 NOTHING, despite being on a very open freq, nothing strong enough to produce audio has been hrd here this season. When cx are good to the west, "SFI"-192 (Petaluma, CA) is hrd here w/pips. (Foxworth, NY)
- 200 ENGLAND, Droitwich, BBC, hrd w/IS, good level, 0417 3/6 & is at times noted after 0600 w/popular tunes & variety show. (Foxworth, NY)
- 209 MOROCCO, Azilal, local quality 2340 in AA 8/18. (Nelson, MA)
+AA anmts by male, typical mx to past 0236, chants 0239, strong 12/3 & 12/4. (Young, CA)
- 218 MONACO, Monte Carlo, local quality 0334 8/18. (Nelson, MA)
- 227 POLAND, Konstantynov, poor 0405, some speech at times on peaks but on the way down due to dawn fade. (Nelson, MA)
+Hrd fairly well 0416 3/7, mainly woman speaking & lasted to about 0440. Not often hrd & difficult to separate from local beacon "IW"-226 (Kennedy Airport) & Canadian beacon "XI", also on 227. (Foxworth, NY)
- 236 LUXEMBOURG, Juglinster, even w/USSR 0342 8/18 w/man in FF. (Nelson, MA)
+Rock mx, xlnt sig 5/29 2147. (Townshend, Spain)
- 236 USSR, unid location, woman in RR 0342 8/18 o/u Luxembourg. Probably Kishnev, judging from the time. (Nelson, MA)

- 245 t TURKEY, Erzurum, fair-poor sig noted at tune-in 0337 8/19; man in unid lang at times could have been Turkish; sig faded rapidly & did not return that night. Freq measured 245.0033, is OK for Erzurum but rules out Denmark which has perfect freq control (& is not sked on at this time). The only other possibility is the new USSR stn tentatively IDed as Taldy Kurgan recently, but probably too late for him. No possibility for // check w/1016 that night as MF faded about 0305 as expected. (Nelson, MA)
- 251 ALGERIA, Tebessa, like a local 8/18 0240; generally the best TA LF stn. Measured on 251.2769. (Nelson, MA)
 +LV del Sahara Libre & LV de las Canarias Libres was noted at 2220 s/on. This was actually Algeria. (MWN, 4/76)
 +In AN AA service 0220 3/7. (Foxworth, NY)
- 529 ALGERIA, Ain Beida, fair o/QRN w/a-capella chanting, then AA talk 0320 6/18. (Connelly, MA)
 +Poor (some audio making it through beacon QRM) 0211 8/4. (Connelly, MA)
 +Generally dominant o/Israel after 0000 8/18 in AA on measured 528.9786. (Nelson, MA)
 +Strongest signal ever noted from this one 0310 9/13 w/AA phone talk show! (Nelson, MA)
 +Way atop Canadian beacons w/AA moaning & talk 0225 9/14. (Connelly, MA)
 +0340 10/14 nil-good carrier here w/traces of AA singing at peaks. Some CBK splash. Definite AA mx & a TA direction on a night w/many other TA carriers. (Hall-Patch, BC)
 +Dropped carrier for 10 secs, then came back on w/talk by woman followed by AA vocals, fair on peaks 0507 10/24. (Connelly, MA)
 +Good Carrier, low audio, 0242 10/20. (Klemp, CN)
 +Fair w/AA moaning o/fast SAH, fair 2230 11/4. (Connelly, MA)
 +0348 11/6 very little doubt the AA chants for about 1 hour. Poor at best. (Newell, BC)
 +Noted AA vocalizing w/good strength 0415 11/8. Looped TA but don't know if I'll ever positively ID it. (Hall-Patch, BC)
 +Very good w/AA male vocal & violin accompaniment 2118 11/25. Good o/SAH w/AA vocal & Greek-sounding stringed instrument 2117 11/26. (Connelly, MA)
 +Fair w/AA style instrumental mx 0528 12/6. (Connelly, MA)
 +Noted here 2227 12/6 to past 2240. Still there 0040 recheck. Hrd again 0458 12/8, so apparently AN. QRM from beacon "NB" in North Bay, Ontario. (Stanbury, ON)
 +Fair w/female AA chants & inst mx 2250 12/10. Good w/AA male vocals //548 0515 12/21. Poor-fair w/woman talking, then AA mx 2150 12/23. Noted w/discussion pgm, 2 men in AA w/low key talk 2235 12/28. (Connelly, MA)
 +Fair w/man in AA 0534 1/23. Loud atop beacon het w/pop AA mx 2355 1/28 on car rx in Boston. (Connelly, MA)
 +Good w/slow male AA vocal & guitar plucking //548 2351 2/17. Loud w/AA mx 2332 3/4. (Connelly, MA)
 +AA singing fair-good 0538 3/6, best TA of the evening here. Also fair w/OM talk & AA mx 0510 3/7. (Hall-Patch, BC)
 +In well w/AA pop mx w/male vocal & violins resembling the Italian Tarantella 2325 3/19. Good w/AA chants/violins //548 2341 4/2. (Connelly, MA)
- 529 ISRAEL, Ramallah, in & out until about 0230 8/18 w/pop records on measured 528.9878. Pretty good on peaks but generally chewed up pretty badly by the Algerian. No sign of 737 outlet at this time. (Nelson, MA)
 +The new Israeli pop mx stn is Reshet Gimel, which means "Channel G". The stn was conceived as a counterbalance to Abie Nathan's Voice of Peace (1540 kHz) and is said to have drawn 50% of the latter's audience. The stn broadcasts 24 hours per day w/200 kw. (SCDX)
- 539 HUNGARY, Budapest-Lakihegy, poor-fair u/Libya on measured freq of 539.0004; audio in & out until s/off 2325, carrier cut 2336:50. (Nelson, MA)
 +Raised pwr to 2000 kw 12/21/76 & changed xr location from

Lakihegy to Solt.

- 539 LIBYA, Tripoli, alone on the channel & strong w/Ramadan programming in AA //827 2340. Measured 538.9995. (Nelson, MA)
+Occasional AA chanting & banjo-like instrumental mx noted.
Mostly just a bad het on CBT-540 0114 9/15. (Connelly, MA)
+Fair-good w/AA chanting & violin mx 2238 10/25. Briefly good w/AA female vocal o/SAH 0535 1/23. (Connelly, MA)
+Very nice 0447 3/7. (Foxworth, NY)
- 539 MALAWI, Mangoche, MBC, hrd 4/9 1838 w/local mx & announcements in EE. Fair signal w/QRN. (Baker, S. Africa)
- 539 ROMANIA, R. Bucharest is to have a 2000 kw xr here. (MWN,1/77)
- 539 UNID, Libya/Hungary mix likely during a dawn-induced enhancement of cx on the path to Central Europe. Male talk noted, also mx, but no positive ID material, SAH about 0.6 Hz. Signal was better than 540 LAs 0503 10/24. (Connelly, MA)
- 548 ALGERIA, Oran, potent carrier better than 529 but weak audio (chanting) 0322 6/18. (Connelly, MA)
+Strong 0330 8/2. Fair in splash 0212 8/4. (Connelly, MA)
+Very strong 0130 8/18; measured freq 548.0188. (Nelson, MA)
+In w/strong carrier & man in AA at low modulation level 0100 10/13. Good w/AA chanting & violin mx, occasional bad QRN from thunderstorms to south 2248 10/14. (Connelly, MA)
+Fair w/AA mx 0330 10/24. (McGonagle, Iceland)
+Good w/emotional AA talk 2237 10/25. Strong, man in AA, 2310 10/26. Overpowering CFNB w/40 db o/S9 signal, AA chanting at 20% modulation level 2331 11/4. (Connelly, MA)
+Strong carrier, AA talk at low audio level 0144 11/20. Poor w/CFNB slop, AA vocal 2118 11/26. (Connelly, MA)
+Good w/AA pgm //529, stronger than 529, 2251 12/10. Ultraloud w/female AA vocals //529 0515 12/21. Good 2151 12/23. Good w/AA discussion //529 2237 12/28. (Connelly, MA)
+Good w/female AA chant 22301/4. Good carrier, weak audio 0417 1/8. Fair w/calm AA talk 2310 1/10. Fair (below normal, tho) w/woman chanting 22501/21. Good w/female AA chant 0210 1/23. Loud carrier but weak modulation, drum beating, chanting & flutes, then man in AA 0536 1/23. (Connelly, MA)
+Loud //529 2350 2/17. Xlnt (taking out 550 domestics) w/drum beating, flute & violins 2317 2/18. (Connelly, MA)
+Noted well w/AA talk, heavy-fast SAH present when loop moved to favor more northerly TA paths 2315 3/1. (Connelly, MA)
+Finally hrd w/potent signal w/AA chants 2242 3/4. Local WFIL splash not as bad at my new location. (Eckman, PA)
+Loud w/AA nx about Muslim terrorists in Washington 0402; chant 0404 3/11 //529. Fair in slop w/AA chanting & violins 0020 3/14. AA vocal poor w/heavy CFNB slop 2329 3/19. (Connelly, MA)
+Fair-good thru 550 slop; AA chants & strings 0030 3/29. Fair w/AA mx //529 2340 4/2. (Connelly, MA)
+The best TA 5/29, AA mx 0400. (Connelly, MA)
+Hypnotic mx & AA talk, xlnt sig 5/23 2130. (Townshend, Spain)
+Good w/male AA chanting, flute & drum accompaniment 0050 5/30. Noted fair w/CFNB/WDEV slop. (Connelly, MA)
- 548 WEST GERMANY, Konigsutter, DLF, good, unid het present, 1430 10/9. (McGonagle, Iceland)
+Battling Algeria w/a fast resultant SAH 0418 10/24. The German rising to clear dominance at 0500 w/IS, then woman & man in GG 10/24. (Connelly, MA)
- 557 MOZAMBIQUE, Inhambane, R. Mozambique (E. Provincial de Inhambane), hrd 1005 4/11 w/mx & anmts in PP. Very good w/slight QRN. Also hrd 3/27 1228 w/relay of nx from Maputo w/fair-good signal. (Baker, S. Africa)
- 557 PORTUGAL, Faro, R. Dif. Portuguesa, noted w/good signal 0111 9/13 w/man & woman in PP; freq.measured 556.9988. (Nelson, MA)

- 557 UNID, w/Portugal 0111 9/13 but couldn't pull any audio; freq measured as 557.0013, probably Rostock, E. Germany, per latest EBU frequency signature. (Nelson, MA)
 +Het here, likely Portugal, 2250 10/14. (Connelly, MA)
 +Two carriers here SAHing 0056 3/13, not strong enough to pull audio, but the first signal that strong ever hrd here on this frequency. (Foxworth, NY)
- 558 IRAN, Qazvin, weak carrier on measured 558.0001 at tune-in 2345 9/14. Continued to improve as the evening wore on w/ Ramadan audio on peaks every few minutes; signal peaked at 0045 just prior to s/off w/carrier cut 0048. Mean DF bearing (25 cuts) 43.1°; calculated great circle bearing to Qazvin is 43.8°; uncertainty on measured bearing +1.2°. Logged for country #134. I've been after Iran since 1963 & believe this is the first NA logging. This logging made during the best TA cx since 1965. (Nelson, MA)
- 566 IRELAND, Athlone, Rugby match, Ireland vs ??, fair sig, accentuated EE, obviously 150 kw Athlone, signal didn't reflect the power, though, 10/13 2202. (Dunn, NS)
 Fair-good w/Irish mx 2059 10/23. (McGonagle, Iceland)
 +Noted w/poor signal, just o/noise & slop w/soft mx, then EE talk, apparently a panel discussion, 2200 10/26. (Connelly, MA)
 +Strong carrier appeared 0720 11/8 w/½ second pips of 500 Hz(?) every 15 seconds. Faded by 0730, a bit of band mx audible 0734 but that was it. (Hall-Patch, BC)
 +0724 11/8 w/ 1 kHz beeps every 12-13 seconds. S/on listed as 0730, but apparent LSR at their QTH killed signal. Fair-good on loop at peaks. (Newell, BC)
 +Hitting good peaks w/program of live old-style show tunes from a hall in Cork 2248-2303 11/9. (Connelly, MA)
 +Poor-fair w/man in EE o/TV birdy 2119 11/26. (Connelly, MA)
- 566 SYRIA, Homs, 4/6 0430 Azan. (Wood, St. Lucia)
- 570 GREENLAND, Gothab, fair-good w/cl mx & talk 0005 9/19. (Hansen, Norway)
 +Danish & Greenlandic talk fair-poor 1/6 0040. (Herbst, Germany)
- 575 ALGERIA, Bechar, good 0139 8/18. (Nelson, MA)
 +Noted w/fair audio 2350 10/7; the usual AA wailing //529 & stronger. "Cucu" blocked w/LSCA. (Schatz, FL)
 +Clear but not strong w/no sign of Germany 2115 10/11. (Dunn, NS)
 +Good but fadey, AA mx atop other audios, 2120 11/26. Potent w/AA fast talk way o/Muzak stn (probably Germany) 2125 11/27. (Connelly, MA)
 +AA mx, audio garbled by WEEI slop, 2355 2/17. (Connelly, MA)
- 575 BULGARIA, Vidin, 2nd pgm, 2134 5/14 pop songs & eastern mx, Bulgarian anmts, little fading. (Padula, Australia)
- 575 t SUDAN, Omdurman, unid TA noted on measured 574.4701 2320 9/14; quite weak w/no readable audio due to poor signal quality and QRM from 575. Not Bechar, which was strong at the time & mixing w/Germany on this channel. The unid TA gave DF of 65+5°; Sudan is a calculated 68°. My reasons for suspecting Sudan are: 1) according to the latest EBU list all stns monitored by them recently have xltnt freq stability; Sudan was not monitored by them, however. 2) DF rules out everything listed except for Bechar, which was audible on 575 at the time. 3) The Egyptians were on this night w/Ramadan & were very well rx'ed at the time. There is enough circumstantial evidence to warrant careful listening on this channel; Sudan has never been logged in NA to the best of my knowledge. (Nelson, MA)
- 575 WEST GERMANY, Muhlacker, SFR, riding just o/noise 1434 10/9. (McGonagle, Scotland)
 +Atop w/cl mx, AA chanting occasionally audible from Bechar; SAH about 7 Hz, 0450 10/24. (Connelly, MA)
 +4/3 0001 between heavy WEEI/CKCL splatter, o/u Algerian wail-

- ing; woman w/nx, poor. (Dunn, NS)
- 584 SPAIN, Madrid, RNE, strong 0215 8/4 on measured 584.0000; xlint 8/18 0148 on measured 584.0001. (Nelson, MA)
 +Strong w/SS mx 0430 9/5. Fast SAH also noted though no likely possibilities at this time. (Eckman, PA)
 +Extremely strong on measured 584.0000 at 2352 9/7; 2nd TA u/ them on measured 584.0004, probably Tunisia. (Nelson, MA)
 +Good despite wicked WEEI slop; "This Guy's in Love w/You" by Herb Alpert, then SS talk; in well 0100 9/15. (Connelly, MA)
 +Opera 2209 10/12, strong, dominant. (Dunn, NS)
 +Fair w/SS talk 2050 10/23. (McGonagle, Iceland)
 +10/25 0530 w/fair sig, man in SS & also SS mx. (Nall, KY)
 +Fair w/operatic style SS male vocal, then SS talk, then female vocal o/SAH, possibly the Tunisian noted by GPN, 0532-0534 11/6. (Connelly, MA)
 +Strong w/SS talk, but chewed up pretty badly by unid stn underneath w/fast SAH 2224 11/5. (Eckman, PA)
 +Loud w/SS political speech atop AA stn (Tunisia?) 2114 11/25. Good w/man in SS 0643 11/26. Good w/SS talk dominant 2121 11/26. (Connelly, MA)
 +12/20 1942 semi-classical mx & SS folk mx //682/737. All stations strong. (Dunn, NS)
 +Good despite WEEI slop, mx was modern classical, influenced by Andean flute mx 0419 1/8. (Connelly, MA)
 +Fair w/man in SS 0459 2/6. (Connelly, MA)
 +Strong w/light mx, SAH also, 2241 3/4. (Eckman, PA)
 +4/1 2248 hrd //620, both strong w/SS male. (Dunn, NS)
- 584 t TUNISIA, Cafsa, prob the stn u/Spain 2352 9/7 on measured 584.0004. No audio noted. (Nelson, MA)
 +Strong AA goings on well o/Madrid 10/4,10,14. (Dunn, NS)
- 584 UNID, 10/25 0445 w/chanting. Poor-fair signal. RNE hrd on this freq about an hour later w/SS pgms. (Nall, KY)
- 593 MOROCCO, Oujda, exotic AA-type mx & AA singing, xlint sig, 2130 5/23. (Townshend, Spain)
- 593 WEST GERMANY, Frankfurt, HR, fair w/rr 1436 10/9. (McGonagle, Scotland)
- 602 FRANCE, Lyon, poor-fair w/man in FF in WEEI buckshot 2235 10/25. (Connelly, MA)
 +Good carrier, low mojie on cl mx pgm 2111 11/25. (Connelly, MA)
- 602 REUNION, St. Denis, 6/25 0325 w/mx & FF anmts. (Baker, S.Africa)
- 611 t EAST GERMANY, Schwerin, woman in GG briefly surfacing, mixing w/Morocco, good peaks, some QRN 0455 10/24. (Connelly, MA)
- 611 MOROCCO, Sebba-Aioun, likely the het noted on car rx during low latitude sunset TA opening 2310 8/16. (Connelly, MA)
 +Fine level 0158 8/19 on measured freq of 611.0268; alone on channel. (Nelson, MA)
 +Fat carrier (thrashing WGIR), but weak modulation, bits of AA screaming & weird sounds like a symphony tuning up, surfacing 0040 9/15. (Connelly, MA)
 +Very strong w/Ramadan programming 9/13 0145. (Nelson, MA)
 +Chanting & AA lang 2132 10/4. Heavy CKCL-600 slop. (Dunn, NS)
 +Extremely heavy OC here, mx way in the background 0124 11/16. (Connelly, MA)
 +AA chanting 2153 12/23. Female AA chant at low modulation level 2248 12/29. Good w/AA flute mx & vocals 2232 1/4. (Connelly, MA)
 +To fair peaks w/AA mx, 2235 1/28. Heavy carrier, weak modulation; female AA chant 0035 1/31. (Connelly, MA)
 +Typical reception here w/very strong carrier overwhelming 610, but pitifully weak audio on violin mx 2337 3/28. Loud & clear w/female AA vocal, 2342 4/2. (Connelly, MA)
 +Hypnotic AA mx, male singer, xlint 5/29 0913. (Townshend, Spain)

- 620 BELGIUM, Wavre-Overijse, fair w/yodelling vocal 1438 10/4. (McGonagle, Scotland)
- 620 CANARY ISLANDS, Tenerife, RNE, always exceptionally strong, overriding everything on 620. At SS, phone-in show 2120 10/12. Also at 2120 w/opera //548/638 et al. (Dunn, NS)
- 620 EGYPT, Cairo, AA play 1958; local 3AR (ABC) not yet on air, local SM 5/14. (Padula, Australia)
- 629 NORWAY, Vigra, possible w/mx, fair 1440 10/9. (McGonagle, Scot.)
- 629 ^t TUNISIA, Tunis, the likely source of strong het on WPRO 0042 9/15. (Connelly, MA)
- 629 ^t +Chanting and AA goings-on, the only likely choice but didn't catch ID. Weak & QRM from CFCY 2100 10/12. (Dunn, NS)
- 638 CYPRUS, Limassol, BBC, World Service 2122 5/10. (Padula, Aus.)
- 638 CZECHOSLOVAKIA, Praha, a new 1.5 MW xr will be tested here 0800-1400. During these tests the present xr will be silent & the Praha pgm will be carried on 953 where a new 0.4 MW xr has been added. (SCDX, 12/76)
- 638 SPAIN, La Coruna et al, RNE strong w/SS mx/talk 0429 9/5; def 7/584/683/737/773/854 at this time. (Eckman, PA)
- +Rolling in o/CBN on car rx (near WRYT xr site/Saugus marsh) w/cl mx pgm 2305 9/11. (Connelly, MA)
- +Zaragoza very strong w/RNE ID 2326; according to ARC they are now 20 kw but they sure sound stronger than that here; noted 9/13. (Nelson, MA)
- +Fair w/SS talk 2056 10/23. (McGonagle, Iceland)
- +Fair -good w/man & woman in SS 2334 11/4. (Connelly, MA)
- +Good w/man in SS o/heavy CBN sloop 2104 11/25. Good w/fast SS talk 2122 11/26. (Connelly, MA)
- +Loud, equalling CMQ, w/SS group vocal 0509 1/16. (Connelly, MA)
- +Poor-fair w/man in SS slopped by ultrawide pest WRKO 2252 1/21. Fair w/Rock 0540 1/23. Hetting CBN on car rx, Halibut Point, Rockport, MA 2015 (o/an hr before LSS) 1/23. (Connelly, MA)
- +Occasionally audible w/talk in CBN/WHLO sloop 2236 1/26. SS talk in CBN sloop 2236 (again) 1/28. Mx noted, QRM de WPRO/WHLO 2356 1/30. (Connelly, MA)
- +To fair peaks w/man in SS surfacing o/slop & pronounced 1 Hz SAH 2359 2/17. (Connelly, MA)
- +SS talk noted w/2nd audio & SAH 2312 3/1. (Connelly, MA)
- +Strong w/man in SS 2255 3/4. Not hrd very often in last few months. (Eckman, PA)
- 647 ENGLAND, Daventry, BBC, very strong 0311 9/2 w/talk apparently in EE by OM. Later, at 0340 noted IS. Het on the high side. (Eckman, PA)
- +Good w/pips, then 23-note IS preceeding regular programming 0250-0255 9/14. Xlnt on Realistic TRF; reducing WSM to a barely perceptible background het 0337 9/15 w/pips, then 4-note Morse code "V" IS on steel drum. (Connelly, MA)
- 0422 9/13 mx 0430, also 0334 9/17 w/dinga dinga dinga IS. Running time pips up to IS. Poor both times. (Newell, BC)
- +TA carrier & weak audio 0400 10/10. YL talking but too poor to ID language due to KFI sloop. By 0407 it was definitely EE nx by OM. After a long fade, 0418 gave YL w/items about bombs in N. Ireland & 0422 OM giving a review of some kind. (Hall-Patch, BC)
- +Very strong, hrd ID as Radio 3 2230 10/12. (Dunn, NS)
- +10/14 0331 poor, time pips hrd, later into "V" IS. (Newell, BC)
- +0400 10/14 poor w/OM saying "This is the BBC World Service" followed by OM reading nx in EE ruined by TVI. Fairly sure ID 0334 10/12--a long series of pips leading to "V" drum IS. Poor under KFI splat. (Hall-Patch, BC)
- + "V" IS 0335, fair-good w/EE nx 0410 10/24. (McGonagle, Iceland)
- +Fair w/man in EE 0421 10/24. Bombing in on car rx all the way

- from W. Yarmouth to Boston w/pgm of mediaeval pre-classical mx & Gregorian chants, woman ancr in EE, up like a local while on approach ramp to Sagamore bridge 10/24. (Connelly, MA)
- +Poor-fair w/man & woman in EE; hets present from Gambia-648 & TV birdy on 645a 2235 10/29. (Connelly, MA)
- +Good w/EE political talk 0510 11/5. Good o/u WSM slop, man & woman in EE w/interesting talk about folk-rock groups, part of song "Fighting for Strangers" by Steeleye Span played 0528 11/6. ID 0530 followed by pop program. (Connelly, MA)
- +0335 11/6 by far the clearest yet w/time sigs, "V" drum IS, YL ID which would talk one to 0341. (Newell, BC)
- +Poor audio 0849-0854 11/8, WSM off, looping in England direction. Must have been slightly after SR in England. Taped a few EE accented words in male voice & some strains of good mx but no positive ID. Only time I've ever found audio here. (Martin, CO)
- +Tremendous sig w/cl mx 2150-2230+ 11/7 at various times when checked. No problems w/650 domestics at the time.(Eckman,PA)
- +End of BBC nx 0629 11/8 read by OM, then YL says "...BBC World Service is available on 1.75 to 1.41, 7.185, 6.18, 8.85, & 8.95", anyone care to guess what that means, I thought it might mean SW freqs but they don't fit BBC. (Oliphant, AB)
- +World Service made an appearance in EE 0408 11/22. OM & YL reading nx, sometimes quite good u/KFI splat. (Hall-Patch, BC)
- +Carrier w/no audio, in KFI splash, 0435 12/3 & 12/4.(Young,CA)
- +Poor-fair during mediocre TA opening, talk in EE 0515 12/6. (Connelly, MA)
- +Best yet 12/4 0445 w/good strength & readability, little fading, QF-2 filter knocked down a lot of KFI splash. BBC World Service ID & nx at armchair quality. Went looking for other TAs, found lots of carriers, little audio, so should have stayed w/BBC & made a rpt. Nearly gone at 0512 recheck. (Hall-Patch, BC)
- +Xlnt w/World Service in EE 0624 12/27. WSM TT troublesome. (Eckman, PA)
- +Fair in WSM slop w/man in EE 0421 1/8. Fair again 0510 1/16. (Connelly, MA)
- +Hrd 1/11 0430 w/Big Ben chimes & man mumbling in British EE; then went into mediaeval mx. Still there 0549 w/very weak male talk. (Bytheway, WA)
- +Absolutely blasting in on car rx on drive home from work; EE talk, then cl mx 2155 1/21. Fair w/talk thru mains QRM (buzz) 2253 1/21. Poor in slop w/talk 0541 1/23. (Connelly, MA)
- +Local quality w/end of nx, into light mx 2309 2/26. Xlnt 0409 3/5 w/World Service nx. (Eckman, PA)
- +Fair o/mains QRM w/cl mx 2311 2/1. (Connelly, MA)
- +Carrier noted nil-fair 3/3 0615 but no audio. Carrier 0445 3/6. OM reading nx in EE, fair 0416 3/7. (Hall-Patch, BC)
- +British accented EE poor w/QSB, talk w/ment of civilization & youth. Time ticks 0500. 3/3 0448-0500. (Curtis, VT)
- +Accented EE by two male voices 0536 3/6. (Young, CA)
- +Xlnt, very listenable 0420-0445 3/7 as were many other low band freqs this date. (Foxworth, NY)
- +3/19 2327, R. 3 stn w/cl mx, usual strong xlnt sig always hrd. (Dunn, NS)
- +Strong in EE w/man & woman speaking. WSM slop very troublesome 0520 3/20. (Eckman, PA)
- 647 SAUDI ARABIA, Riyadh, fair-good sigs noted w/Ramadan pgmning 0102-0120 9/13 on measured 647.0445. The freq is the tip-off here on this one; the Saudi has been about 50 Hz on the high side for years. This on 9/13. (Nelson, MA)
- +Presumed the one w/Near East mx u/BBC 0245 9/17.(Stanbury,ON)
- 647 UNID, 1/27 0630 just a weak carrier here. Most likely originating from Daventry. (Korinek, CA)
- 648 GAMBIA, Banjul, new R. Gambia xr first noted 8/18 2353 on measured 648.0001 w/US pop rr mx. Sig was so strong & clear that I assumed it was just a local carrier current stn starting up for the season & passed it by w/o getting an ID. The

next day I helpfully misinformed Bill Bailey who'd noted it also that it was a carrier current pest. After not hearing it during the day one weekend my curiosity was piqued & I went after them seriously as sunset & immediately spotted it as a W African from the DF. The sig is quite good most nights; presumably this is the new 20 kw outlet listed in 76 WRTH, although they sound stronger. Lots of African mx which sounds like progressive rock; man ancr in EE w/a deep voice & decided accent. Not a new country - we got R. Syd-908 in 1973 - but still a thrill anyhow. Should be widely hrd for a new country for everyone else; noted on as late as 0100 some nights but leaves carrier on NSP. (Nelson, MA)

+Vernacular w/repetitive type of African mx. Caught numerous mentions of R. Gambia. Suffers 647 QRM 10/20 2142. (Dunn, NS)
+Is now possibly 20 kw, off at 0000. (MWN, 11/76)
+Carrier at good level but audio nil, 764 & 746 in at same time 0005 3/22. (Connelly, MA)

650 [GREENLAND, Godhavn, GRF fair-good //570/700 0050 9/19.
(Hansen, Norway)

+Danish & Greenlandic talk strong 1/6 0108. (Herbst, W. Germany)

656 t ● USSR, Murmansk, carrier from about 20° w/fragments of audio on rare occasions every AM 11/19-11/23, but not on 11/24. Times of reception ranged from 0625 11/19 to as late as 0916 11/21. The carrier was still in at 11:16 a.m. in Murmansk! On MM 11/22, N. Korea showed up on 655 at 0810 & when I turned my loop to due N. & tuned to 655.5 I found a quite audible het between the 2. These 4 nights a time of incredible sigs from N. Europe & I caught the best sigs ever from BBC on 647 & 881. On the tape are a few voice & mx portions too far down to be classified & also noted the sound of 2 stn QRM now & then. On 2 occasions taped a single pip on the hour but can't be sure the pip was not slopping from some adjacent freq. (Martin, CO)

656 ● UNID, something from the NE hetting YSS 0234 10/8. Has been a great season for TA carriers minus audio most cases, including some freqs never noted before. Can't list everything but new TA carriers include 728, same date 0233, 863 0318 10/8, 1475 0422 10/8. (Martin, CO)

● +Carrier w/occasional hints of audio 11/6 & 11/8 looping 20-25° in 0645-0710 period. Bearing suggests Murmansk. Reception just before 9 am in Murmansk, but above the Arctic Circle in early Nov it's still very dark at 9. Signal both times was definitely better around 0645, then went downhill & could not be located by 0715. Seemed to come up about every 5-6 mins but the few audio bits on tape are too poor to be classified. Arctic cx were very good, for Thule-1425 noted 11/8 0942. Thule & Murmansk are on about the same bearing from Denver. (Martin, CO)

● +Just a carrier hetting YSS, looping TA 0449 3/6.
(Hall-Patch, BC)

665 [WEST GERMANY, Rohrdorf, SWF, fair w/cl mx 1442 10/9.
(McGonagle, Scotland)

665 PORTUGAL, Lisboa, R. Dif. Portugesa, creaming WNBC w/talk on car rx at N. River/Rte. 3, Marshfield, 0030 7/10. (Connelly, MA)

+Good w/PP vocal mx 0035 8/4 on measured 664.9999; alone on channel. (Nelson, MA)

● +Good carrier w/very poor audio 8/24 0550. Signal weakened swiftly afterwards & could not be located after 0615. First time ever found in Aug. Always my #1 European. (Martin, CO)

● +Found w/good volume 9/17 0604-0608. Talk from lady announcer mixed w/music. (Martin, CO)

+Quite good w/pop mx 0250 10/2. Bothered by strong WNBC slop. (Eckman, PA)

+Always dominant 2135 10/4 w/pop mx & anmts. (Dunn, NS)

+Classical mx 0130 10/25. (Kemp, CN)

+10/25 0502 w/man talking in what I presume is PP. Very good loud signal, one of the loudest TAs this morning. (Nall, KY)

- +Fair w/mx occasionally rising o/merciless WRKO slop barrage 0052 11/16. (Connelly, MA)
 - +2150 11/25 fair w/QSB IDed by 3 time tones plus 1 pip at 2200, then nx in PP, then cl mx to 2230. (Curtis, VT)
 - +Good o/2.2 Hz SAH w/man in PP 2334 11/25. Good w/PP male vocal 0638 11/26; fair-good w/man in PP 2124 11/26. (Connelly, MA)
 - +As early as 0315 & as late as 0700 2/26-28, ID on the hour consists of 4 long & one short time pips spaced 5-6 secs apart, then a few words by PP male ancr (so far buried in the slop for me), & thirdly a pipe organ IS. No half-hourly ID noted here but could have missed it. (Lankford, TX)
 - +Good w/group vocal //719, WRKO pest nulled 2310 3/1. (Connelly, MA)
 - +Carrier 0618 3/1 much to my surprise for never hrd it this far into a new year & Europeans become rare events here after 1/1. The carrier still there & delivering audio by 0651 but faded by 0700. I expect to hear Europeans from Early September to December, but not in March. (Martin, CO)
 - +Very strong w/"Imagine" by John Lennon 2256 3/4. The Portuguese stns often play good rr mx, hi. (Eckman, PA)
 - +0558 3/6 w/mx in PP. (Young, CA)
 - +Very good w/light mx 0206 3/20 w/slow SAH on sig. (Eckman, PA)
 - +Good w/PP talk, then vocal mx 0340 5/30. (Connelly, MA)
 - +0111-0205+ w/usual assortment of pops, EZL mx, PP DJ talk, 4 long pips, one short on hour, ID, into nx. Good w/fades. (McNeil, DC)
- 665 REUNION, St. Pierre, 7/30 0210 w/songs in FF w/good sig. WRTH lists s/on as 0230 so can only assume s/on is now 0200. A check w/the 602 outlet confirmed that this was Reunion. (Baker, S. Africa)
- 3/21 0214 w/EE pop mx. Good sig w/QRN. (Baker, S. Africa)
- 665 UNID, Portugal or W. Germany (seemingly in EE), song "Let's Get Together, the Two of Us, Over a Bottle of Champagne", then "Feelings" by Eric Carmen; potent signal (S9+20) w/1.6 Hz SAH, 0450 10/24. (Connelly, MA)
- +Poor carrier 0450 3/6. Noted poor w/jazzy mx 0425 3/7 in KBOI splash. (Hall-Patch, BC)
- 674 UNID, strong sig w/rr mx 2333 3/4. No anmts noted. French Culture was off at 2300 so not them. Is there something new here as Lopik not too possible w/this type pgmning. (Eckman, PA)
- 683 SPAIN, Sevilla, RNE, very good w/SS mx 0229 9/5. Bothered by fast SAH throughout evening--maybe the Yugoslav? Noted alone 2336 9/10 w/good sig & again 2336 9/11 w/very good sig but being ripped apart by fast SAH. Same situation 9/17 2315 w/strong sig accompanied by prominent SAH. (Eckman, PA)
- +The likely source of het on WRKO 0200 9/25. (Connelly, MA)
- +Good w/SS talk 2050 10/23. (McGonagle, Iceland)
- +Strong w/SS talk //other RNE stns. Ripped up by SAH at times, likely Belgrade but still no positive ID from them. This around 2147 11/5. (Eckman, PA)
- +Carrier & occ SS audio in WRKO splash 2123 11/25. (Connelly, MA)
- +Quite good w/mx & prominent SAH cutting up the audio pretty well 0207 3/20. If not Yugoslavia, perhaps W. Germany. (Eckman, PA)
- +3/22 2359 male w/nx, exceptional signal. Example: I'm within primary coverage of CFDR-680 50 kw!! (Dunn, NS)

683 t YUGOSLAVIA, Beograd, about even w/Sevilla w/semi cl mx 12/23 0245. No positive ID but little else likely. (Eckman, PA)
- +Commentary in Serbo-Croatian by man 1915, then nice selection of European mountain-style ballads 1918; this outlet previously somewhat rare; higher pwr now 1000 kw & one of few European stns audible this particular AM 3/5. (Padula, Australia)

683 ● UNID, carrier 0646-0649 3/1 surely Spain but no audio heard. (Martin, CO)

- 692 ENGLAND, Moorside Edge, BBC, not normally dominant, peaked for a few minutes w/YL commentary 2248 10/11. (Dunn, NS)
 +Fair-good w/EE drama 2048 10/23. (McGonagle, Iceland)
 +3/19 2330, BBC Radio 4 ID given, not strong and not all that often heard. Man reading nx. (Dunn, NS)
- 692 IRAQ, Baghdad, talk by man in AA 2121 5/10. (Padula, Australia)
- 700 GREENLAND, Simiutaq, fair 9/19 0030. (Hansen, Norway)
- 701 ANDORRA, La Vieja, R. Andorra, woman in FF, poor-fair 2218 10/23. (Connelly, MA)
 +FF talk & mx, big carrier, weak audio, QRM from Nantucket CON-SOLAN spur 2125 11/25 & 26. (Connelly, MA)
 +2305 11/25 positively FF w/het from WLW, could hardly be other than Andorra. (Curtis, VT)
 +Hard rock mx atop SAH 2238 1/28. Strong w/jazz & FF vocals 0037 1/31. (Connelly, MA)
 +Fleetwood Mac record noted here at strong level 0025 2/23. (Connelly, MA)
 ● +FF sounding mx & anmts 0605 3/6. (Young, CA)
 +Rock mx 0016 3/14. (Connelly, MA)
 +Loud, dominant w/electronic rock-jazz instrumental, peaking stronger than WLW 2335 3/28. (Connelly, MA)
- 701 MOROCCO, Sebaa-Aioun, very good in AA 0025 8/4 on measured 700.9817. (Nelson, MA)
 +Good w/AA chants 0430 8/6. (Connelly, MA)
 +1/28 2201 strong at times, fast AA mx, lots of drums; also hrd 1/25 same time but weaker. (Curtis, VT)
 +Poor w/male AA vocal thru slop 0006 3/22. (Connelly, MA)
- 701 UNID, FF talk, strong carrier, weak modulation, slop from WRKO & WOR 2202 10/29. (Connelly, MA) (Andorra? - ed)
- 710 FRANCE, Rennes/Lyon, fair w/FF talk 2046 10/23. (McGonagle, Iceland)
- 719 PORTUGAL, Norte, R. Dif. Portugesa, xlnt w/PP talk 2335 9/10 & 2313 9/17 at almost local level. (Eckman, PA)
 +Thundering in on car rx w/outrageous local-like signal, better than WOR-710 2325 9/13; pgm featured electronic mx. (Connelly, MA)
 +Fair w/QSB & SS QRM, PP OM & YL alternating possible nx items 2308 9/15, 2333 OM talking PP w/mx between statements, mx non-LA type. No ID hrd but could hardly be other than Portugal on this frequency. (Curtis, VT)
 +Extremely strong 2336 9/11 on measured 719.0005. (Nelson, MA)
 +Fair w/PP talk 2255 10/8. Fair-good w/"Michelle" by the Beatles, then PP talk 2328 10/5. (Connelly, MA)
 +At gud peak level w/slow operatic male PP vocal w/guitar accompaniment o/slight fast SAH noted 2104 10/25. Good, man in PP 2148 10/29. Strong w/time pips, IS & ID 2200 10/29. (Connelly, MA)
 +Local-like sig 2146-2300+ w/pop mx, PP talk 11/5. Easily separable from 720 slop. (Eckman, PA)
 +Good on car rx in Belmont w/PP mx, talk, 2140 11/4. Xlnt, way better than WGN w/PP talk by woman 2336 11/4. (Connelly, MA)
 +Annihilating WGN/Cuba w/woman in PP, then female PP vocal 0045 11/24. Xlnt & totally dominant w/festive PP mx 2127 11/25. Xlnt, like a local, w/PP talk 2126 11/26. (Connelly, MA)
 +Loud & dominant on TRF w/man in PP; WGN present as feeble background het 2347 12/1. (Connelly, MA)
 +Man in PP equalling WGN level 2215 12/7. Good w/PP talk interspersed w/the style of mx common on Police TV shows 2258 12/10. Fair w/time pips, PP talk, mx, 2200 12/23. Also fair w/talk through WGN slop 2337 12/28. (Connelly, MA)
 +Fading up out of the slop to a good level, slow folk-style male vocal w/orchestral accompaniment 2255 1/21. (Connelly, MA)
 +1/25 2220-2235 fair, all PP talk. (Curtis, VT)
 +At good level w/fairly readable PP talk o/u WGN slop 2238 1/26

- Loud w/"Happy Song" by Otis Redding, then man in PP, then Beckies-style folk rock 2239 1/28. Xlnt, annihilating weaker WGN/CMGN w/soft piano jazz & PP vocal 0038 1/31. (Connelly, MA)
- +Poor in WGN slop w/PP talk 0002 2/18. Good w/pop mx, PP talk, 2318 2/18. Loud, wasting WGN; woman in PP, then a capella female vocal 0038 2/23. (Connelly, MA)
- +Potent w/man in PP 2245 3/4. Virtually no traces of 720 domestics. (Eckman, PA)
- +Very good (killing 720) w/PP male vocal & soft jazz-style background, then PP talk & group vocal 2309 3/1. (Connelly, MA)
- +Very good w/man in PP 2323 3/28. Blasting in like a local, easy listening w/8 kHz selectivity, PP folk group vocal featured; WGN's feeble het occasionally noted in background 2344 4/2. (Connelly, MA)
- +Fair-good w/man in PP; Tunisia under w/AA female vocal 0007 4/17. (Connelly, MA)
- +Weak w/rock mx, then talk 0010 4/29. (Connelly, MA)
- 719 TUNISIA, Sfax, o/u OC w/AA mx 0520 11/5. (Connelly, MA)
- +Dominant w/male AA chanting & violin mx here o/second audio, likely Norte, 2241 11/13. (Connelly, MA)
- +In background u/Norte 2336 9/11 in AA on 719.0317; also hrd strong jammer for RFE. Unusual to hear jammer. (Nelson, MA)
- 728 ABU DHABI, AA chants, AA anmts 1704-1730 5/12. (Padula, Aust.)
- +Here very good w/AA 1400, fadeout 1420. (Ormandy, NZ)
- 728 EAST GERMANY, Berlin-Uhlenhorst, strong audio 0149 9/13 w/man in GG on measured 727.9996. (Nelson, MA)
- +To good peaks w/GG version of "Gentle on My Mind" 2333 3/4. (Connelly, MA)
- 728 SPAIN, Oviedo, RNE, 2211 10/12 opera fair w/QRM. //584/620/638/737. (Dunn, NS)
- 728 UNID, Spain, E. Germany, or Portugal here w/cl mx poor-fair 0422 10/24. (Connelly, MA)
- 737 ISRAEL, Quademia, IBA, 6/20 1800 w/nx in EE read by OM w/American accent. Hrd u/Mozambique but at times o/Mozambique. (Baker, S. Africa)
- +Good level during EE nx 1810, into FF 1815 after time signal. 1200 kw puts a reasonable signal through! 3/5. (Padula, Aust.)
- +Tuned in here 0340 3/20 & noted a strong carrier w/no audio which I took to be Barcelona. Stuck w/it anyway & at 0341 Israel's FS IS bombed thru all alone on channel. IS continued to 0345 but became progressively weaker & suffered from RNE QRM which faded up & was eventually dominant on channel by 0345 5 short & 1 long pip did get through from Israel at 0345, but RNE was well on top by then. An absolute total surprise for me as it's probably very close to SR at the xr this time of year. (Eckman, PA)
- +General AA service, strong level w/AA songs 2120 5/14. (Padula, Australia)
- 737 MOZAMBIQUE, Maputo, R. Mozambique, 6/20 1800 w/nx & commentary in EE directed to Rhodesia & S. Africa. Was noted w/strong QRM de IBA Qualima on same frequency. (Baker, S. Africa)
- +3/4 0355 w/new IS & ID in PP & EE "This is R. Mozambique in Maputo" followed by NA w/good signal. Hrd 2/27 1220 w/mx & ID by YL in PP, very strong w/QRM. (Baker, S. Africa)
- +Has been noted recently signing on w/IS & ID in PP, EE, & vernaculars as early as 0245. Nx in PP hrd 0300. (Baker, S. Africa)
- 737 SPAIN, Barcelona, RNE, fair-good 0215 8/4. Good w/Muzak, SS talk, 0440 8/6. (Connelly, MA)
- +Loud w/SS male vccal atop CBNM on TRF 2308 9/13. (Connelly, MA)
- +Opera 2210 10/12, good, clear. (Dunn, NS)
- +10/11 0537 fair-good w/SS mx & man in SS. Some 740 slop. (Nall, KY)
- +Good despite slop from CBNM/CBL w/man in SS, then dramatic

sounding pgm w/orch mx & interspersed talk 2228 10/25. Good on TRF w/SS talk 2307 10/26. (Connelly, MA)
 +Quite good 2145 11/5 w/OM in SS but badly chewed up by unid stn w/perhaps a 3 Hz SAH (possibly Israel). Alone on channel by 2300. (Eckman, PA)
 +Good w/semi-cl lush orchestral mx 0030 11/6. (Connelly, MA)
 +Good w/SS talk 2323 11/15. Loud w/rock //773 0048 11/16.
 +Very good w/festive brassy mx w/male SS vocal; occasional deep fades 0139 11/20. (Connelly, MA)
 +Fair w/up tempo Muzak, slop from WCAS/CBNM-740 2129 11/25. (Connelly, MA)
 +0722 12/23 nice SS song by YL; bad fading but no trouble from 740; also noted whenever checked around 2330. (McNeil, DC)
 +Good w/male in SS 0328 12/23. Slow (approx 1 Hz) SAH w/them. (Eckman, PA)
 +Audible w/spacey Pinkfloyd-type rock 0007 1/22. Good w/mx, talk (SS) 0213 1/23. To good peaks w/soft jazz 0040 1/31. In w/SS talk, good when CBL didn't modulate, fair during CBL talk poor w/CBL mx 0004 2/18. (Connelly, MA)
 +Fair w/"A Little Help from My Friends" by Joe Cocker 0042 2/23. Good w/man in SS 2308 3/1. Good w/Steely Dan style jazz influenced rock guitar mx 0019 3/2. (Connelly, MA)
 +Strong & alone on channel 2300 3/4 w/nx by man. (Eckman, PA)
 +Strong w/man in SS, then vocal mx 0434 3/11. Female SS vocal 0012 2/14. Very loud w/cl guitar mx 2336 3/19. (Connelly, MA)
 +Noted w/semi-cl mx; big carrier, weak audio 2346 4/2. (Connelly, MA)

- 737 UNID, on a tip from Glenn Jacobs in PA tuned here 0345 7/7 to find a weak carrier from Barcelona on 737.0001. Second carrier came on 0350:50 on 737.0323, unambiguous DF for Central/South Africa. Some audio around 0402-0405 but not enough for positive lang ID, but did not sound like RNE. Noted again next night 7/8 signing on 0354:10 but RNE much stronger than previous night; RNE format around 0403 unlike that noted the night before. Almost certain this is Mozambique, sked s/on 0400. The best sig noted from this one since 1965 if it is indeed them. (Nelson, MA) (Matches the s/on time noted by Denzil Baker 3/4. See previous page. ed)
- 746 BULGARIA, Plovdi, anthem & s/on in Bulgarian 0256 9/13 wiping out Cottbus & unid African. (Nelson, MA)
- 746 EAST GERMANY, Cottbus, on measured 745.9996 w/soft mx & man in GG 0220-0247 9/13. (Nelson, MA)
- 746 HOLLAND, Lopik, tuned in 0245 8/18 to find a strong OC here; freq 746.0000 per Holland & DF checked also. They are somewhat prone to run OC's around 0300 so care should be exercised. (Nelson, MA)
 +Fair-good w/jazz 1444 10/9. (McGonagle, Scotland)
 +Some QRM from Cottbus (?), fair w/DD talk & organ mx 2133 10/12. (Dunn, NS)
 +Strong 10/21 2155 w/no Cottbus QRM, male DD talk. Getting to where N. European reception for me is very inconsistent. This stn is the exception. (Dunn, NS)
 +Possibly the stn here good w/light mx 2218 11/5. Ancr in unid lang 2220. Apparently still in past 2300 which is supposedly their s/off time. (Eckman, PA)
 +Only a carrier here 0711 1/19. Know it was Lopik for sure, for I found it w/Upper Volta nulled. And the African could not be detected when looping in its direction. (Martin, CO)
- 746 t KENYA, Nairobi, carrier came on measured 746.0312 at 0240 9/13. DF for E. Africa (as usual). This is the same stn we've been trying to ID for 3 years; presumably Kenya which is sked to s/on 0255. (Nelson, MA)
- 746 UPPER VOLTA, Ouagadougou, unusually good at s/off w/full FF IDs & IS 0001:05 8/4 on measured 745.9996. (Nelson, MA)
 +One of the most reliable of all Africans; noted nightly to

- s/off 0002. The programming ranges from Dakar-type vernacular to latest US pops & rock so beware. (Nelson, MA)
- +Very good w/W. African mx 2316-2330 9/17. (Eckman, PA)
- +Likely here poor-fair w/slow almost LA style male vocal 2258 10/8. Poor w/woman in FF, bad QRN level 2254 10/14. (Connelly, MA)
- +10/21 2150, read tip about logging last issue, tuned in, there it was. Vernacular ramblings, no sign of //SW outlet. (Dunn, NS)
- +Presumed w/man in FF o/slow (0.3 Hz) SAH, prob from Lopik 2337 11/4. (Connelly, MA)
- +Riding o/SAH, woman in FF here 2339 23/38. Fair, alone on channel w/man in FF 2240 12/29. (Connelly, MA)
- +Fair w/talk in FF 0005 2/18. (Connelly, MA)
- +Fair on TRF w/man in AA 2245 3/3. (Connelly, MA)
- +Weak carrier 0545 3/6, presumed Africa as it looped south of others. Strong carrier 0515 3/7 but gone by 0600 s/on time. (Hall-Patch, BC)
- +Had to be the one here w/man & woman in FF & unid lang to fair peaks 0008 3/22. 8 minutes after listed s/off. (Connelly, MA)
- +Poor w/chanting 2324 3/28. Talk in native African lang o/nulled WHEB slop 2320 3/29. (Connelly, MA)
- +4/1 2210 mx w/AA (vernacular) strong & one of the season's best low-end signals. (Dunn, NS)
- 746 UNID, African fair at s/on 0250:07 8/4 on measured 746.0102 produced the same soft-voiced woman ancr around 0305 noted this time last summer; gone by 0320. This is almost certainly Kenya, sked to s/on 0255. (Nelson, MA)
- +Carrier found here from about 85° 8/24 0610-0615 prob Upper Volta, but audio was way down. Coincided w/a good Dakar-764 sig which has become almost a regular since its first appearance 8/17. (Martin, CO)
- 755 PORTUGAL, Lisboa, R. Portugesa, very strong at s/off 0002 w/Portugese NA 8/21. (Nelson, MA)
- +Ultraloud w/cl mx annihilating WHEB on car rx at Fresh Pond in Cambridge 2320 9/13. (Connelly, MA)
- +Good w/rigs mx by female choir 2337 10/4. (Connelly, MA)
- +Fair w/cl mx 2255 10/14. Xlnt w/cl piano mx 2310 10/21; many other low-band Iberians also good at the time. (Connelly, MA)
- +Extremely loud (local level) w/cl mx, then PP talk, 2230 10/25. (Connelly, MA)
- +Powerful w/cl mx 2352 11/5. (Connelly, MA)
- +Xlnt w/opera presentation w/female soprano vocalist 0021 11/16. (Connelly, MA)
- +Pushing through bad WHEB slop w/quiet guitar mx 2128 11/16. (Connelly, MA)
- +Good w/cl mx then woman in PP 2304 12/10. (Connelly, MA)
- +12/20 2003 PP rambling (not nx) into light opera. Strong (S9+20db at times) but boring. (Dunn, NS)
- +Xlnt w/cl piano mx 2204 12/23. (Connelly, MA)
- +In w/man & woman in PP 2237 1/4. Xlnt w/cl mx 2329 1/4. (Connelly, MA)
- +Good w/Dvorak's New World Symphony 2259 1/21. (Connelly, MA)
- +Good w/cl violin mx 0006 2/18. (Connelly, MA)
- +Good o/TV QRM w/opera 0043 2/23. (Connelly, MA)
- +Potent w/cl mx 2316 2/26. Also strong 2245 3/4. (Eckman, PA)
- +Xlnt (no QRM) w/woman in PP, then opera mx 2307 3/1. (Connelly, MA)
- +To good peaks w/cl mx 0010 3/14. Loud w/cl piano & violin mx 2338 3/19. (Connelly, MA)
- +Local quality w/a-capella female operatic vocal 2348 4/2. (Connelly, MA)
- 755 SOUTH YEMEN, Aden, noted in passing w/AA chants 1816 3/5. (Padula, Australia)
- 755 UNID, believe Lugoij 2357 10/6. Cl mx, small ensemble, then OM in either Romanian or PP, but too muffled to tell which. (Schatz, FL)
- +3.2 Hz SAH against Portugal, occasional Slavic talk by woman audible u/quiet passages of mx on Lisboa 2230 10/25.

(Connelly, MA)

760

IRAQ, Baghdad, AA talk by man, seemed to be speech w/audience applause 2110 5/8. Almost impossible from home in Melbourne due to local 3LO-770 (reception made from western Victoria.ed) (Padula, Australia)

764

SENEGAL, Dakar, quite strong, yielding nasty het on WABC 45 minutes before LSS on car rx near Revere Beach 2345 6/15.

(Connelly, MA)

+Strong het against WABC 2350 7/9. (Connelly, MA)

+Its usual potent self 2350 8/4 on measured 764.3506.

(Nelson, MA)

+Loud w/AA talk on car rx in Gloucester, MA 2315 8/16. Loud w/Koran chanting 2330 8/18. (Connelly, MA)

+First TA of the season here found 0604 8/17. Carrier still there 0645. Audio only occasionally, but unmistakable muezzin caterwauling atop static before 0615. Spotted again same time 8/18 w/better sig putting a distinct het on YSKL-765 carrier but Dakar sig was stronger than YSKL. Found nothing on other TA freqs which often coincide w/Dakar, such as 836, 665, 746, 656, 1205. Dakar is, of course, always the first TA of the season here by the Rockies. For the western DXer it ought to be said that TA reception is something which is best in late summer & early fall rather than winter. (Martin, CO)

+Strong w/native chants 2334 9/10. Also noted 2317 9/17.

(Eckman, PA)

+Killing WABC at LSS on car rx near WWEL xr site, programming was old blues songs in EE 2300 9/11. Also noted on late for Ramadan 0101 9/15. (Connelly, MA)

+The best TA nightly; measured 764.3765 on 9/12 at 2344; your all-time bad TA drifter! (Nelson, MA)

+The best TA during mediocre cx, man in strong AA 2310 9/25.

(Connelly, MA)

+Making its first appearance of the season 0601-0623 9/17 w/strong carrier. No audio yet but carrier really strong at peaks & never fading out completely. KOB sloop really murder; much worse than usual. (Rittenhouse, CA)

+Dakar very strong w/man in FF, possibly a political speech 2259 10/8. (Connelly, MA)

+Stn noted w/OC, TT, likely Dakar 0549 10/4. Didn't listen at sked 0600 s/on so no positive ID. (Eckman, PA)

+Fair-good w/man in AA addressing a crowd 2256 10/14. In like a brick S9++ w/AA talk 2305-2307 10/20. Good in FF (man & woman) 2241 10/23. (Connelly, MA)

+10/25 0608 w/fair signal & WJR sloop. Pgm consisted of chanting by a male voice. (Nall, KY)

+Very good on TRF w/man in AA 2150 10/26. (Connelly, MA)

+2231 10/26 w/good carrier & low audio w/WABC splash. (Klemp, CT)

+Good-xlnt w/AA talk, perhaps a sermon before a congregation 2350 11/5. (Connelly, MA)

+0610 11/6 by far the best audio from W. Africa w/usual pseudo-AA chanting but no talking. Poor. (Newell, BC)

+Good w/mx resembling the style of a Trinidad steel drum band 2238 11/13. (Connelly, MA)

+Poor-fair 2302-2325 11/24 in unid lang w/inst mx, YL vocals, & OM anc, much plucking of some instrument. (Curtis, VT)

+Good w/man in AA hetted by drifting carrier originating locally at electronics plant 2322 11/15. Good w/AA chants in TRF, driving a solid wedge between WJR & WABC 0613 11/20.

(Connelly, MA)

+Strongest afternoon TA, woman in AA, weak het on low side 2055 11/25. Up to absurd level, 15 db better than WABC, AA talk w/scratchy audio 2130 11/25. Loud w/weird AA talks/chants/screams 2128 11/26. Very good w/AA chant 0613 & pegging meter w/fast AA chants 2130 11/27. (Connelly, MA)

+Poor-fair carrier noted here looping NE. Occasional bits of rhythmic & maybe YL talking 0720 11/29. (Hall-Patch, BC)

+Xlnt, whalloping WJR & WABC on TRF, man talking in AA, then chants 2345 & 2358 12/1. (Connelly, MA)

+Xlnt w/Kalimba mx, destroying WJR 2216 12/7. Strong w/fast

- talking AA dialect 2305 12/10. Booming in w/non-AA native W. African mx (similar to calypso) 2323 12/11. (Connelly, MA)
- +0719 12/23 FF talks by OM, poor on peak; 4890 not on, strangely, so couldn't check for //. (McNeil, DC)
- +Good w/mx sounding like a plastic toy ukelele, then woman w/FF ID 2207 12/23. Fair through WJR/WABC slop w/man in AA 2341 12/28. In like a pile driver w/FF talk (man & woman), by far the strongest TA 2255 12/29. Like a local w/non-AA native mx, then woman in FF 2225 12/20. (Connelly, MA)
- +Carrier detected here 0555 1/4; at 0558 harp-like mx began, 0602½ YL spoke, then man talking in presumed AA 0602 until about 0606 when chanting was noted. (Bytheway, WA)
- +Good w/chanting vocal, drum beating 2328 1/4. Did not seem to be on an hour earlier when other TAs were in. The only loud TA on SSS 1/6, noted w/FF 2238. At usual loud level on drive home from work, pulverising WABC & WJR. AA chant 2155 & FF talk 2220 1/7. (Connelly, MA)
- +Good w/FF talk intermingled w/organ jazz; the best TA during poor cx 2230 1/24. (Connelly, MA)
- +As usual 0704 1/19. (Martin, CO)
- +0700 1/30 very faint audio being thrashed violently by WJR & WABC, language unid. (Davis, GA)
- +Fair-good w/man in FF, loudest TA at the time 2137 2/6. (Connelly, MA)
- +Fast talking AA male 0710 2/6. (Lankford, TX)
- +Has been the best TA in recent auroral cx, good w/AA chants 0020 2/11. Good on TRF w/native mx 2230 2/8; fair in AA 2310 2/11. (Connelly, MA)
- +Sometimes better than WABC; FF talk here 2210 2/16. Overpowering WABC/WJR w/AA talk 2319 2/18. (Connelly, MA)
- +0430-0700 2/28, AA talker 0430-0445, AA male chanting 0610-30, deep low voiced AA talker (possibly reading Koran) 0630-0700, always faded at ID time, but hrd bongo-like drums at 0700 (is this their IS?). (Lankford, TX)
- +Loud w/AA dialogue (religious?) between 2 men, one w/echoey large-room acoustic effect on voice 2306 3/1. AA talk like a local on TRF 2230 3/3. Good w/a-capella chant 0040 3/5.
- +Hrd 0623 3/1, nothing unusual about it. (Martin, CO)
- +3/5 0558 carrier faded up, fair strength across the hour but no audio possible. (Hall-Patch, BC)
- +Very strong w/female voice in FF 0704 3/6. (Young, CA)
- +Good w/chants 2330 3/13. Native mx at weak audio level 2339 3/19. Poor, although fairly clear an hour before LSS, FF talk & native mx 2213 3/21. (Connelly, MA)
- +Loud w/children singing 2300 3/27. Fair atop slop w/FF talk 2327 3/28. Ultraloud on TRF w/AA talk by man, then phone conversation in FF, then mx w/African style vocal 2323 3/29. To good peaks o/moderate WABC slop w/African vocal & brassy LA style instrumentation 2350 4/2. (Connelly, MA)
- +4/2 0600 carrier noted, but no audio. ECNA in well, but this didn't make it in WJR splash. (Hall-Patch, BC)
- +4/1 2252, 39+15 db, very agitated vernacular rambling. (Dunn, NS)
- +Fair-good w/AA chanting 0017 4/23. (Connelly, MA)
- +Fair w/male AA talking & chanting 0005 5/14 during poor cx. (Connelly, MA)

764 SWITZERLAND, Sottens, poor w/man in FF 2332 9/11. (Nelson, MA)

764 UKRAINE, Odessa, alone on the channel 0311 9/13 w/YL reading nx in RR on 764.0000. A real surprise. (Nelson, MA)

764 UNID, 11/26 0410 definite het, only noticeable w/BFO on. Local KFMB nulled as low as possible, no audio. (Hanavan, CA)

773 EGYPT, Abbas fighting it out w/Spain 9/9 2328; RNE on 773.0000 & the Egyptian on 773.0075. Unusually early in the season to be hearing the Egyptian so well. (Nelson, MA)

+AA pgm w/orch items 1822; my sked shows this is intended for mideast region, 3/5. (Padula, Australia)

773 LIBYA, according to a SW anmt, the radio ship Mebo II is test-

ing here //6205 until 0100. The vessel has been purchased by the Libyan government and will reportedly operate as "People's Revolution Radio" but only ID on tests as of 5/10 was the old R. Nordsee Int'l theme mx. As this freq is also used by Cairo's megawatter, 773 seems an odd choice. (Stanbury, ON)

773

SPAIN, Caceres et al, RNE, poor w/slow SS vocals in bad WABC buckshot 0337 6/18. (Connelly, MA)
+Fair w/man in SS 0415 7/5. (Connelly, MA)
+Present as strong carrier 0335 8/2. (Connelly, MA)
+Strong in SS 0002 w/RNE ID 8/4 on measured 773.0000; alone on channel. (Nelson, MA)
+Badly hetting WABC, audio occasionally discernable on TRF 2308 9/13. (Connelly, MA)
+Opera 2211 10/12 good w/WABC slop. (Dunn, NS)
+Good w/"Surf's Up" by the Beach Boys 0013 10/13. (Connelly, MA)
+Poor, man & woman in SS w/wicked WABC splash 2257 10/14. Fair w/man in SS, 1.6 Hz SAH present, 2112 10/25. (Connelly, MA)
+Xlnt, w/WABC much weaker than normal, 2236 11/3. Man & woman in SS interspersed w/cool jazz (like Pink Panther theme style) pgm possibly a play. (Connelly, MA)
+Strong w/man in SS jamming WABC on car rx 2145 11/4. (Connelly, MA)
+Good w/SS talk 2321 11/15. Xlnt w/"Tom Dooley" by the Kingston Trio, then SS talk, then other folk songs 0025 11/16. Louder than WABC w/EE rock including song "Cut My Hair" by the Who 0051 11/16. (Connelly, MA)
+Good w/Phoebe Snow record 0050 11/24. Good w/man in SS 2130 11/26. SS talk o/Egypt 2.6 Hz SAH 2132 11/25. (Connelly, MA)
+Louder than WABC on car rx w/man in SS topping bad het 2132 12/1. Fair w/OM & YL in SS 2322 12/11. (Connelly, MA)
+Poor w/mx in WABC slop 2208 12/23. Good atop slop w/rock, including "Born to be Wild" by Steppenwolf 2342 12/28. (Connelly, MA)
+Good w/man in SS o/assumed Egypt (heavy SAH, traces of audio) 2239; better yet 2327 1/4. Xlnt w/AA influenced SS vocal mx, guitar accompaniment, then SS talk 0517 1/6. (Connelly, MA)
+Breaking through mighty WABC slop w/man in SS 2302 1/11. Fair o/slop w/vocal mx 0553 1/23. (Connelly, MA)
Crashing through weaker WABC w/jazz het "Compared to What" by Les McCann & Eddy Harris, then SS ID mentioning RNE & RTVE, time pips, then nx 0100 followed by s/off w/IS, then carrier cut 0105 1/31. (Connelly, MA)

782

PORTUGAL, Miramar, R. Portugesa, fair w/man in PP 2210 12/23. (Connelly, MA)
+Good w/hard rock, ghoulish Roxy mx type vocal, then man in PP, followed by more hard rock 2241-2243 1/4. (Connelly, MA)
+To fair peaks w/uptempo jazzy orchestral mx 0543 1/23. Potent w/inst mx 2220 1/26; good 2251 1/26. Dominant o/the German; violin mx, then woman in PP 2248 1/28. Ultraloud w/US female vocal disco-rock hits 0045-0052, then PP talk & electronic synthesizer mx 0055 1/31. (Connelly, MA)
+Good w/vocal march, operatic style 0205 2/4. (Connelly, MA)
+Likely w/cl mx, talk o/fast SAH 0009 2/18. PP talk above low pitched audible het 2321 2/18. (Connelly, MA)
+Good-xlnt w/woman in PP o/SAH 0045 2/23. (Connelly, MA)
+Local like sig 0200 3/5 alone on the freq w/time pips & IS. No problems from Cuba on approx 784. Nx 0200 //665 (also very strong). (Eckman, PA)
+Good w/flute mx 0011 3/14. PP talk good 0003 3/20/ In at fair level, well before LSS w/PP talk 2215 3/21. (Connelly, MA)
+Quite good w/talk by man 0028 3/20 w/prominent SAH on sig as well, presumably from Germany. (Eckman, PA)
+3/22 2256 Paul Anka song, pop mx o/Berg, DDR. (Dunn, NS)
+Good w/man in PP 2255 3/27. Noted w/"Dream a Little Dream of Me" by Mama Cass 2328 3/28. Poor-fair w/PP talk 2325 3/29 on TRF. Loud, totally free of QRM; uptempo male PP vocal o/Burg SAH 2355 4/2. (Connelly, MA)
+Fair w/man in PP, IS on harplike inst, then more talk 0059 5/30. (Connelly, MA)

- 782 EAST GERMANY, Burg, potent w/female in GG on top of Portugal w/resultant SAH 2321 2/26. Also strong 2300 2/27 w/NA taped, still well atop Miramar's time pips. However, Burg did not s/off at the time so wonder why the NA was played? (Eckman, PA) (Possibly because it was midnight there. A lot of American ANers do the same thing. ed)
+GG rambling on top of rr mx from Miramar; usual goings-on for this frequency 2133 10/11. (Dunn, NS)
- 782 ● UNID, w/WBBM nulled found a carrier strong enough to register a BFO whistle exactly 2 kHz above 780 0734 1/19. No audio, of course, & I assume that Miramar could do u/the circumstances. A somewhat new DXing technique for me because for years I assumed there was no chance of getting through stns like WBBM. U/the cx described, the 782 whistle is rxed at lower pitch than the stronger WBBM whistle. Don't recall anyone ever pointing out this lower pitch from the weaker stn when you are using the BFO hard by a strong domestic. (Martin, CO)
● +Weak carrier, no audio 0439 3/7. (Hall-Patch, BC)
- 791 FRANCE, Limoges, good w/man in FF, then uptempo Muzak, taped, 0617 11/26. (Connelly, MA)
- 791 UNID, strong het on WEAN, France possible, 2340 11/4. (Connelly, MA)
- 809 SCOTLAND, Burghead, BBC, xlint (local) w/Hearts-Ayr FB 1446 10/9. (McGonagle, Scotland)
- 809 UNITED KINGDOM, Crowborough et al, BBC, good, dominant w/man in EE mangling WGY 2348 23/38. (Connelly, MA)
+O/Spain SAH w/EE talk, WGY nulled, 2306 1/21. Het present on WGY on car rx in Rockport at 2000 (3 p.m. local time!) 1/23. (Connelly, MA)
+3/22 2250 xlint level & solid audio despite WGY splash. Hrd marine wx w/cx off the Orkneys & Hebrides hrd. (Dunn, NS)
- 809 SPAIN, Sevilla, EAJ5, R. Sevilla, good & alone on channel 0038 8/20; freq measured as 808.9919. (Nelson, MA)
+Operatic male vocal briefly rising o/WGY/CKLW slop, 818 loud at the time, 0113 10/3. (Connelly, MA)
+Peaking up well, badly jamming HJCY/WGY; man & woman in SS, then fast paced talk, possibly a phone-in show 0045 11/16. Fair w/woman in SS 2132 11/26. (Connelly, MA)
+Dominant w/woman in SS o/unid w/piano mx; 3rd stn present as SAH 0606 1/16. (Connelly, MA)
+Atop WGY on car rx in Belmont w/SS talk 2210 1/28. Good w/man in SS 2239 1/30. (Connelly, MA)
+Fair-good w/SS mx, male vocal, some WGY slop 0015 2/1. (Connelly, MA)
- 809 UNID, het, nothing more, 0536 2/7. (Lankford, TX)
- 817 UNID, carrier looping TA, 10 db weaker than 818, 0420 11/6. (Connelly, MA)
- 818 ANDORRA, La Vieja, Sud R., dominant at fair level w/FF talk 0330 6/18. (Connelly, MA)
+Occasionally surfacing thru generally stronger Morocco; man & woman in FF w/occasional FF vocals 2216 10/1. (Connelly, MA)
+Probably the potent signal here w/big band jazz 0337 8/2. (Connelly, MA)
+Until about 10/10 Batra & Morocco had this channel to themselves. Andorra in FF was dominant after 10/10 w/FF pop mx (?) 2128 10/12. (Dunn, NS)
+Rolling in like a local on car rx at hilltop rest area on Rte. 6 west of Rte. 132 interchange in Barnstable, MA; "Cecilia" by Simon & Garfunkel, FF talk, 2145 10/24. (Connelly, MA)
+Generally dominant o/Morocco; woman in FF good on TRF 2152 10/26. In like a bomb well atop Morocco 2255-2302 s/off 10/26. Loud w/"Penny Lane" by the Beatles followed by FF talk 2150 10/29. (Connelly, MA)

- +Well on top of what appeared to be Rabat w/FF pop mx 2205 11/5. Traces of AA underneath. (Eckman, PA)
 - +0630 11/8 hrd what might have been an ad w/fast talking OM, short bit of YL, then OM into nx in FF w/odd ..- sound between items. Fair signal w/KGO splat. (Hall-Patch, BC)
 - +Dominant w/FF female vocal w/piano Carole King style 2133 11/26. (Connelly, MA)
 - +Assumed at 0537, light mx & some talking, doubt Egypt, 12/3 & 12/9. (Young, CA)
 - +Dominant w/FF talk & FF vocal 0505 12/4. (Connelly, MA)
 - +Fair w/man in FF 0600 12/19. (Connelly, MA)
 - +Blasting in w/female FF vocal o/probable Moroccan SAH 2247 1/4. Bodacious w/FF rock 0523 1/18. (Connelly, MA)
 - +O/grumble w/"Somebody to Love" by Queen 2253 1/28. (Connelly, MA)
 - +Strong & well atop Rabat w/FF pop tune 2253 2/26. (Eckman, PA)
 - +Mx & talk in & out 0623-0647 3/6. Strong but WBAP killed them. (Young, CA)
 - +Dominant w/nonstop FF talk at fair level 2358 4/2. (Connelly, MA)
- 818 EGYPT, Batra, room level audio & equal strength w/Rabat 0216 9/14; both in AA w/Ramadan programming. Has drifted down to the point where it causes a slight buzz w/Morocco; Batra measured on 818.0100 & Rabat on 818.0331. (Nelson, MA)
- +2020-2140 5/14, AA anmts & songs. (Padula, Australia)
- 818 MOROCCO, Rabat, strong in AA 0014, xlnr 0241 8/9 in AA //209 on measured 818.0295. (Nelson, MA)
- +Xlnr w/slow AA vocal, piano accompaniment, 0443 8/6. (Connelly, MA)
 - +Rabat strong 0200 9/2 w/AA chanting mixing w/another stn possibly in SS. Andorra not sked on till 0300 but nothing else very likely. (Eckman, PA)
 - +2314 9/8 foreign language weak w/OM & YL, then AA chanting & mx w/QSB & static but good at times. Hets but chanting over-riding, continued AA chanting & wailing till 2350 when hets took over. In again & better 9/9 at same time. (Curtis, VT)
 - +Strong & dominant w/fast AA chanting, fast SAH present 2355 9/11. (Connelly, MA)
 - +Generally dominant w/female AA chanting 2215 10/1. Noted w/male AA vocal mostly acapella, occasional flute accompaniment; good sig riding atop local TV buzz 2257 10/5. AA vocals & flute fair-good 0025 10/9. (Connelly, MA)
 - +Dominant & loud on car rx at mouth of Neponset River, Quincy, MA; AA chants in 2245 10/24. (Connelly, MA)
 - +Dominant w/AA talk after Andorra s/off, o/Batra 2305 10/26. (Connelly, MA)
 - +Dominant w/AA vocal strong 2150 11/4. Knocking the walls down w/tremendous sig, female AA chant 0032 11/6. (Connelly, MA)
 - +In like a local w/AA chants & violin mx, 2nd AA, probably Egypt, under 2255 11/4. (Connelly, MA)
 - +Very good, well o/TV birdy w/weird violin mx (like that in a horror movie) 2228, then an AA vocal joined in 2230 11/13. (Connelly, MA)
 - +Loud w/chants 0033 11/16. AA female vocal, fair-good but weaker than noted a few days earlier 0130 11/20. (Connelly, MA)
 - +At monster level on TRF w/inst mx, then female AA chant 0020-0025 11/24. Barely o/mess w/2 or more other stns, AA talk noted, 2134 11/25. (Connelly, MA)
 - +Here 0255 w/chanting AA mx //209. Talking & anmts 0259, ID & marching anthem & off 0301 12/3&4. (Young, CA)
 - +Alone, topping HJED het at fair readability level w/AA chant 0517 12/6. (Connelly, MA)
 - +Hitting loud peaks w/mixed group chant 0212 12/8. Good w/man in AA 2309 12/10. (Connelly, MA)
 - +O/2 others w/AA talk (political or business convention speech) 0521 12/21. (Connelly, MA)
 - +Good on TRF w/male AA vocals & violin in background reminiscent of "The Flight of the Bumblebee" 2225 1/7. (Connelly, MA)
 - +To good peaks w/AA chants o/growl on car rx near main railway yards in Boston 0035 2/7. (Connelly, MA)
 - +Dominant at good level w/AA mx (chanting w/sitar-like accompaniment) 0011 2/18. (Connelly, MA)

- +Clearly dominant, strong w/male AA chant, 0052 2/23.
(Connelly, MA)
- +Strong w/AA mx 2304 3/4 w/2nd stn under, also in AA, w/resultant SAH. (Eckman, PA)
- +Good o/TV QRM w/acapella male vocal 0005 3/2. (Connelly, MA)
- +Fair w/emotional AA talk, possibly a play 0006 3/20. Good on TRF 2340 3/13. (Connelly, MA)
- +Loud w/AA chants 2355 3/28. Noted w/AA chants, the best TA during predominantly LA cx 0509 4/7. (Connelly, MA)
- +Loud w/AA mx on car rx near mouth of Cape Cod canal; signal dropped drastically as I drove away from immediate shoreline, just a weak het noted 2 miles inland, 2323 4/17.
- +Fair-good, man in AA, 0020 4/29. (Connelly, MA)
- +Very good after TV QRM went off; AA talk & then AA style inst mx, easily the loudest TA at the time 0102 5/30. Fair w/AA chanting & violins 0120 6/8. (Connelly, MA)
- 818 ● UNID, 9/14 0430 (is Andorra on at this time? WRTH says no.). Strong het on WBAP, TA direction, strong carrier & fading up to snatches of OM voice & mx. Carriers noted 647, briefly 827 & 836 also. 0440 fair w/polka sounding brass mx but faded down on voice. Apparent TA carriers noted all o/the band 0300-0345 9/15. 818 yielded much more AA sounding mx this time, so Morocco? No IDs of course. Complete disappearance of signals by 0400. (Hall-Patch, BC)
- +R. Sud tentative 0434 9/14 w/FF mx. WRTH 76 says it isn't on yet? Maroc 0320 9/15 another tentative w/AA chants. (Newell, BC)
- +Something was here as early as 0240 9/9 w/WBAP tightly nulled but couldn't extract any audio. Taped one stn which seemed to be taking to the air 0300 w/inst mx something like a NA but very weak & lost in static. Naturally, I wonder about Egypt at this spot at that time. (Martin, CO)
- +They or it giving me a definite carrier audible when WBAP nulled & the exact freq was sought by subtracting 2 kHz from 820 on the vernier control 0610 9/17. When these 2 are good they produce a het on WBAP easily hrd before the Texan is nulled. (Martin, CO)
- +Very weak mx audible 0548 3/6, prob Sud R. (Hall-Patch, BC)
- 827 BULGARIA, Vakarel, man in FF, fast SAH; other stn u/w/ mx 2052 11/25. (Connelly, MA)
- 827 LIBYA, Sebha, assumed w/AA mx but w/at least one other stn mixing in at this time (maybe Spain?) 2333 9/10. (Eckman, PA)
- +Was the one running ETs the week of 9/12 around 0200; freq measured 827.0223. (Nelson, MA)
- t +Ultraloud AA mx atop a fast SAH 2154 10/26. (Connelly, MA)
- +Probable w/Big Ben type chimes, then AA talk, not //818 (so not likely Morocco) 0500 11/6. Unid stn popped on w/heavy OC 0504. (Connelly, MA)
- 827 t MOROCCO, Oujda, believe this is the one w/AA chanting fair at 0205-0300+ 9/2. Appeared not //818. (Eckman, PA)
- +10/21 2208 clear on top of lots of QRM on the freq w/AA rambling. (Dunn, NS)
- +Definitely the Moroccan w/powerful sig, totally dominant w/AA chanting //818, 0535 11/5. (Connelly, MA)
- t +AA singing 0614 12/4, male voice in AA 0618. (Young, CA)
- t +man in AA noted w/reverb on audio (as if an outdoor political speech) seemingly //818 fair-good atop a low growl of hets 0020 4/20. (Connelly, MA)
- 827 SPAIN, Barcelona, EAJ1, stn noted here w/rock mx on several occasions is believed to be Spain; s/off w/a NA hrd 0058-0100 2/23, taped for further analysis. (Connelly, MA)
- 827 UNID, OC, SAH, & weak 2nd stn audio 0218 8/4. (Connelly, MA)
- +This channel is quite a mess most evenings. On 8/21 the situation was as follows. The dominant stn after sunset was Sebha, Libya, in AA on a measured freq of 827.0550; s/off 0059 after Koran readings. This left 3 more carriers on the channel; EAJ1 on measured 827.0036 which produced some audio at times, Sofia

on 827.0003, & an unid on 826.9803. The latter faded by 0130 w/o ever producing any audio, alas. There are several possibilities: Morocco, who's a bad drifter & should have been on Portugal, another bad drifter; and the new 60 kw Syrian reported to be on the channel. Will keep working on it. (Nelson, MA)

+Libya or Morocco here w/strong sig, AA talk by man o/fast SAH (almost a low audible growl) 0300 9/14. (Connelly, MA)

+A strong graveyard-like mess of carriers here w/no clear dominant stn 2300 10/5. (Connelly, MA)

+At least 2, maybe 3, stns here 2154 11/5. One on top was in AA, probably Libya. Others are anyone's guess, maybe Spain & Morocco. (Eckman, PA)

+Female AA chant w/flute accompaniment at potent level atop others, seemingly not //818 0518 12/6. (Connelly, MA)

+Strong mass of fluttering carriers, no audio, freq resembled a graveyard channel 0431 1/8. (Connelly, MA)

+Rock mx fair 2254 1/28. FF talk by man good 2245 1/30. (Connelly, MA)

+Hard rock o/AA mx & a multiplicity of SAHs 0013 2/18. The rock stn seems to be dominant lately, noted well o/others 2324 2/18, fading into a mass of carriers before any ID was given. (Connelly, MA)

+Several stns here as usual w/one on top playing cl mx 2342 2/26 w/potent sig. Perhaps the Spainard. (Eckman, PA)

+Possibly Spain although not //737/773/872: cut from Pink Floyd "Animals" LP played 0010 & long live version of "Ridgetop" by Jesse Colin Young 0050 3/2. (Connelly, MA)

+Fair carrier 0548 3/6. Might have been running TT as I don't think it was a het I was hearing. (Hall-Patch, BC)

+Libya or Morocco w/AA mx & singing 0608 3/6. (Young, CA)

+The acid rocker here again, loud 2347 3/28. (Connelly, MA)

- 836 t ● CANARY ISLANDS, Las Palmas, EAK35, hrd 10/6 w/SS mx & anmts 0608-0705 fadeout. Long deep fades very similar to African stns here WCNA. Will be looking for s/on 0600 next week or so. (Young, CA)
- +Here 0631 3/6 w/SS talking & pop mx, but hrd often when Africans in to WCNA. Seems to be another carrier u/w/SAH. (Young, CA)
- 836 FRANCE, Nancy, believed to be the one on top w/pgm not in FF which seemed //864. Something underneath as well making lang ID difficult on both 2155 11/5. (Eckman, PA)
- +Loud w/man in FF (drama) well o/others 2135 11/25. (Connelly, MA)
- +Strong w/female in FF (drama) well o/others 2135 11/35. (Eckman, PA)
- 836 MOZAMBIQUE, Chimoio, R. Mozambique (Emis. Regional de Chimoio), has been hrd w/local mx & anmts in Vernacular 6/20 1518. WRTH lists sked 1600-2000. Has also been hrd 0406 w/nx in PP relayed from Maputo. (Baker, S. Africa)
- 836 ● UNID, just has to be the Canary Islands but nothing except a carrier could be detected here 8/24 0615-0635. All TA freqs higher than this have been unproductive up to 8/30. (Martin, CO)
- +Carrier here 0309 10/8 while Belize was still on, much too early for the Canary Islands. Carrier also found here 0624 was probably the Canaries. (Martin, CO)
- +Unid, sounded SS, vocal mx poor in fierce WHDH splash 2313 10/8. (Connelly, MA)
- +Fair carrier, some weak audio (OM talk) 0424 3/7. (Hall-Patch, BC)
- 845 ITALY, Roma, in well 0030 9/1 w/FF nx by YL. Also noted 0005-0330 9/2 at various times. Perfectly readable at times but occasional deep fades. EE nx noted 0303. (Eckman, PA)
- +Xlnt w/light mx 2318 9/17. Noted w/nx 2333 apparently in German. (Eckman, PA)
- +0324 9/17 YL vocal poor but back 0356 w/II chatter poor. These TA openings saw carriers on 665/782/827/836/861/1016/1043/1376/1466/1502/1538/1554/1586/1602. (Newell, BC)

- +Quite good 10/2 & 10/3 around 0200 w/II nx 'followed by EE nx 0203. Noted w/very good sig on Grundig Satellit rx in W. Philly w/o external antenna 10/7 0200-0230+. Definite FF ID 0230. Easily separable from 840/850 slop. (Eckman, PA)
- t +Carrier noted before 0400--audio w/OM talk 0435 10/10. Deep fades, then barrelling in w/murky audio 0440 w/piano & orch mx. KTAC slop & other garbage made it difficult even at peaks. (Hall-Patch, BC)
- +Usual xlnt sig, QRMing WHDH-850, nx (?) w/male & female anchor desk format 2140 10/12. (Dunn, NS)
- +Fair w/mx 2038 10/23. (McGonagle, Iceland)
- +Fair-good w/"Superstitious" by Stevie Wonder 0428 10/24. (Connelly, MA)
- t +0139 10/25 w/low audio. Time doesn't agree w/WRTH. Sked change? (Klemp, CT)
- t +Noted w/Mediterranean sounding mor vocals 0340 11/8. Strong before 0400, but a fatal fade mashed chances of an ID. Def nx in FF by YL 0433. They are supposed to have FF & GG nx on the half hour here. (Hall-Patch, BC)
- t +Seemed like the end of a nxcast 0541. Male & female voices in II (?) & light mx 0544. Strong for only a few minutes 12/4. (Young, CA)
- +Hrd for first time this season 0055 1/15. Cx had changed markedly o/the previous 24 hrs w/many mid-latitude domestic sigs severely weakened. (Stanbury, ON)
- +Ridiculously strong 2302 3/4 & various times between 0000-0300+ 3/5 w/usual night pgm of light mx; nx in FF/GG on halfhour noted several times as well. (Eckman, PA)
- +0146-0203 3/5 w/II folk mx, II operatic-style mx, male II talker, & about 0200 5 pips, a pause, & then a 6th pip w/ID mostly buried in the slop "...Italiana.." (perhaps R. Italiana Roma). Then into II male talker. (Lankford, TX)
- +Pop mx 0527 3/6. (Young, CA)
- +4/7 0315 light melodies. (Wood, St. Lucia)
- 854 ROMANIA, Tincabesti, cl concert 1945, anmts by lady in Romanian then into more concert 1953; also hrd on //1151 about equal level both channels 3/5. (Padula, Australia)
- 854 SPAIN, Murcia, RNE, good 0025 8/4 w/local WHDH nulled. (Nelson, MA)
- +Good 0201 9/2 w/nx by OM. 683/737 also in fair at same time. (Eckman, PA)
- +Good w/SS pgm //827 2036 10/23. (McGonagle, Iceland)
- +Here w/Peru het 0542 12/3. Other TAs make Peru unlikely the stronger. Most LAs were weak that evening. (Young, CA)
- +Fair w/SS talk, then cl mx; WHDH running OC (so no splash problem) 0520 12/6. (Connelly, MA)
- +Weak sigs 0632 12/23 w/SS talk by man. (McNeil, DC)
- +Strong w/nx by man 2303 3/4. Mixing w/2nd stn all evening, maybe the W. German? (Eckman, PA)
- +Over Peru w/SAH 0616 3/6. (Young, CA)
- 854 UNID, 1/30 0705 hrd faint 1 kHz & 4 kHz hets here, no audio, disappeared by 0730 recheck. (Davis, GA)
- +2 sigs here 0200 3/7, looking for Romania, one had seven pips on the hour. Who? (Foxworth, NY)
- 863 FRANCE, Paris, assumed w/good carrier but no audio discernable, Slow SAH noted; likely Morocco, 0453 9/5. (Eckman, PA)
- +Weak in FF 2034 10/23. (McGonagle, Iceland)
- +FF talking 0616 12/4. (Young, CA)
- +Strong w/FF talk mx 0439 12/27 seemingly //1554. AA pgm doesn't start until 0500 on Fr. Culture Network. (Eckman, PA)
- +Strong w/French Culture pgm 0430 3/5 //1554/1376. (Eckman, PA)
- +Good carrier 0552 3/6. Audio seemed to be TT. OM speaking, then YL 0434 3/7. Too poor to positively ID language, but seemed to be a Romance language of some sort. (Hall-Patch, BC)
- 863 MOROCCO, Ksar-es-Souk, noted on measured 862.9992 0013 9/12 w/Ramadan //209 etc. Appeared to be alone. (Nelson, MA)

- 872 SPAIN, Zaragoza, EAJ101, atop low growl w/woman in SS, slight reverb noted, as if ancr was speaking in a large hall, 2313 10/26. (Connelly, MA)
 +Dominant w/SS mx 2158 11/5. Fast SAH bothering signal. Possibilities include the AFN outlet but no audio hrd. (Eckman, PA)
 +Good w/mx, then very clear SS yelling (sports event or LA-style ad) 2353 12/28. (Connelly, MA)
 +Up to good peaks w/woman in SS 2315 1/10. (Connelly, MA)
 +Assumed w/light mx w/prominent SAH 2255 2/26. (Eckman, PA)
 +Powerful o/SAH w/Moorish SS mx (SS male chanting & steel guitar) //737/773 0023 3/2. (Connelly, MA)
- 872 USSR, Leningrad/Moscow sync, Mayak II pgm 0202 11/8, IS, pips, & RR YL talks. This seems to be the best longpath Soviet from WCNA. Poor signal though easily audible. (Newell, BC)
 +After call from RCN, logged Midnight-in-Moscow chimes loud at 0300 11/8. Steep drop in strength in middle of IS so maybe pattern change. I don't believe it either, but it looped TA & surely AFN wouldn't be relaying Moscow! (Hall-Patch, BC)
- 872 WEST GERMANY, Frankfurt, AFN, alone on channel 0215 8/21; freq measured as 872.0001. No sign of EAJ101, must have been off that night. (Nelson, MA)
 +Fair, dominant w/SSB, possibly at s/on 0453 10/9. (Connelly, MA)
 +10/14 0459 fair, watched carrier for about an hour w/various cw mx hrd. American anthem hrd 0459 & ID "This is the American Forces Network Europe". Country #23. (Newell, BC)
 +0455 3/6 fair carrier, het on WWL. Pop mx noted for a few moments 0520 3/7. (Hall-Patch, BC)
- 872 UNID, 2 stns here, 3.8 Hz SAH, traces of female vocal; while RF level was good, neither stn was running adequate audio 0016 2/18. (Connelly, MA)
- 881 ENGLAND, Washford, BBC, good w/pips 5 secs on, 5 secs off, 0345 10/24; also xlt w/drama //908 2032 10/23. (McGonagle, Iceland)
 +0638 11/8 by far the best sig from the magic 150 kwer. Moderate hassle from 880 but 881 was twice as strong (about S-2). EE talks, of course, & BBC mentioned. Poor. (Newell, BC)
 +Apparently here in EE w/strong sig tho badly bothered by WCBS slop 2231 11/6. (Eckman, PA)
 +Seemed to be EE 0544 12/3 w/pop mx, talking. (Young, CA)
- 885 SAUDI ARABIA, Damman, AA drama 1835; formerly was quite a regular here, but erratic these days, 3/5. (Padula, Australia)
- 890 ALGERIA, Algiers, potent w/AA chanting 2230 10/1; blockbuster sig on TRF. Totally dominant w/AA talk at good level 2302, just a trace of WLS appearing by 2305 10/5. (Connelly, MA)
 +Good w/AA male vocal & flute accompaniment atop US stn 2117 10/25. (Connelly, MA)
 +Good-xlt & totally alone on channel w/slow FF male vocal 2220 3/21. WLS SAH appearing under at 2225. (Connelly, MA)
- 890 RHODESIA, Salisbury, RBC African Service was hrd 6/25 0347 w/world nx in Mdebele w/good sig w/slight QRN. (Baker, S. Africa)
- 890 UNID, Holland or Norway here w/weak talk 1448 10/9. (McGonagle, Scotland)
- 899 ITALY, Milano, likely source of het 0339 8/2. (Connelly, MA)
 +Very strong 0134 9/14; man & woman ancrs alternating; freq measured 899.0000. (Nelson, MA)
 +Likely w/whopping het on 900 Canadians, occasional bits of cl mx surfacing 2315 10/26. (Connelly, MA)
 +Battling 900 Canadian het; fragmentary II talk, 2359 4/2. (Connelly, MA)
- 908 ENGLAND, London et al, BBC, assumed w/OC & TT off/on around 2330-2335 9/17. (Eckman, PA)

- +Fair w/cl mx 1450 10/9. (McGonagle, Scotland)
 - +Fair w/EE drama 2030 10/23. (McGonagle, Iceland)
 - +Strong w/talk apparently in EE 2158 11/5. Didn't stay for positive ID. (Eckman, PA)
 - +Fair w/EE talk 2247 11/4. (Connelly, MA)
 - +Fair w/man in EE 2251 1/4. (Connelly, MA)
 - +Poor in slop w/fragmentary EE talk, big het, 2309 1/21. (Connelly, MA)
 - +Strong sig w/man in EE 2327 2/26. No positive ID. (Eckman, PA)
- 908 IRAQ, Baghdad, noted atop BBC briefly 0015-0029 9/13 w/Ramadan programming on measured 908.0122. First time we've noted this one since 1965. (Nelson, MA)
- 908 UNID, 2 weak carriers producing a fluttery SAH; a drum roll surfaced briefly, but nothing else, 0117 9/15. (Connelly, MA)
- 917 SPAIN, Madrid, EAJ2, alone on channel 0014 8/5; freq measured as 917.0120. Strong & again alone 8/20 0123 on measured 917.0102. (Nelson, MA)
- +Fair w/man in SS, then festive mx 2322 10/8. (Connelly, MA)
 - +Fair w/man in SS thru bad WJAR slop 2241 1/30. (Connelly, MA)
 - +To good peaks w/SS rock 2350 3/28. (Connelly, MA)
- 926 BELGIUM, Wavre-Overijze, poor w/FF mx 2020 10/23. (McGonagle, Iceland)
- +Good w/DD talk, then "I Am, I Said" by Neil Diamond, then soft mx followed by nx in DD 0525-0530 11/5. (Connelly, MA)
 - +BRT is testing a new 300 kw xr at Wolverton; due to replace the current 150 kw xr at Wavre. (MWN, 1/77)
- 926 UNID, mush mx (Larry Welk style) fair-good, no ID, 2218 10/25. (Connelly, MA)
- +AA chant here, fair low audible het on low side likely from an LA 0522 12/6. (Connelly, MA)
 - +Carrier here 0625 3/6, no audio. (Young, CA)
- 935 MOROCCO, Agadir, noted w/strong Ramadan programming on measured 935.0850, 0037 9/12; noted later 0045 w/very nice classical oud mx. (Nelson, MA)
- +Suspected the potent stn here w/AA mx (despite rumors to the effect that this outlet is off) 2331 9/14. (Connelly, MA)
 - +Fair on peaks but bad QRN problems; man in AA 2312 10/5. (Connelly, MA)
 - +Poor-fair w/male AA chant 2248 11/4. Good w/acapella AA chant 0510 11/6. (Connelly, MA)
 - +Xlnt, no splatter as semi-auroral cx weakened CBM leaving only WWNH's ground wave as a possible QRM source; inst AA mx 2256 11/13. (Connelly, MA)
 - +Fair w/man in AA 2048 11/25. (Connelly, MA)
 - +AA mx 0620 w/other Morocco stns good. Talking by male voice 0629 12/4. (Young, CA)
 - +Powerful w/female AA vocals & accompaniment w/violin, drums & flute 2325 12/10. (Connelly, MA)
 - +Good w/AA moaning & groaning 2216 12/23. Noted w/man in AA saying sentences of equal length, the last syllable in each spoken w/a higher vocal pitch (some kind of poetry? (Perhaps a reading from Koran. ed)), good level 2358 12/28. (Connelly, MA)
 - +Good w/AA chants & violin mx 2253 1/4. Fair 0607 1/16. (Connelly, MA)
 - +In & out of slop, woman chanting, 0506 2/12. (Connelly, MA)
 - +At strong level w/male AA chant 2227 3/21. (Connelly, MA)
- 944 ^t FRANCE, Toulouse, AA mx, possibly the multicultural early-morning pgm noted on French stns in previous DX sessions; very strong signal 0500 10/9. (Connelly, MA)
- +Good in FF 2024 10/23. (McGonagle, Iceland)
 - +Fair w/FF talk & mx in WPEN slop 2216 10/25. (Connelly, MA)
 - +Strong w/man & woman in FF, also at times in AA 0512 11/6. (Connelly, MA)
 - +Fair w/man & woman in FF o/u TV birdy 2136 11/26. (Connelly, MA)

+Fair-good w/man in FF 0520 12/21. Man & woman in FF here 2218 12/23. (Connelly, MA)

944 UNID, 1/30 0608 very loud & steady 4 kHz het off XEQ-940. No audio hrd, gone by 0715. France? (Davis, GA)
+0629 2/28, FF male talker here. France? (Lankford, TX)

945 UNID, African here 1/31 1300 until 0002 s/off. Woman ancr & European mx. Bearing to south. Hrd nightly after Toulouse s/off 2300. Strong het w/Russian on 944. Has been hrd w/African mx. Difficult to hear anmts owing to Russian QRM. This stn might be hrd better from ECNA. (Molloy, England)

952 QATAR, Dohar, AA chants 1643, AA anmts 1645 5/12. (Padula, Australia)

953 INTERNATIONAL WATERS, R. Caroline closed on 1187 at 1800 3/3 & reopened 3/9 0600 on this freq, announced as 317 metres, 24 hrs a day. Doubt if it will stay here as reception after dark is poor only 20 miles from station. (Name withheld, England)
(See also 1187 and 1562 kHz listings. ed)

953 UNID, Spain or Canary Islands w/SS talk, then inst version of Beach Boys' song, "God Only Knows", then time pips 2300, uptempo mx, then more SS talk; 3 Hz SAH present, signal good on peaks, 2258-2304 11/13. (Connelly, MA)
+2 equal strength carriers at good level, mx on one, talk on the other, 4.2 Hz SAH 2255 1/4. (Connelly, MA)
+Man in SS fair 0017 10/9. (Connelly, MA)

962 UNID, het, fragmentary audio, 0440 10/24. (Connelly, MA)
+Talk, flute mx, not sure if AA, fair 2250 11/4. 2 carriers, no audio, SAH about 4 Hz 0520 11/6. (Connelly, MA)
+OC, SAH, mx way u/, some mains QRM 2140 11/26. (Connelly, MA)
+Strong OC here, possibly the new Portugal outlet 0535 1/16. (Connelly, MA)

963 SOMALIA, Mogadishu, R. Mogadishu had announced that at the end of 6/76 they would broadcast experimentally 0300-2100 w/150 kw. Listeners were requested to send in detailed reception rpts. (SCDX)

New 150 kw xr logged 0105-0130 on measured 963.0019 9/14. Typical Ramadan chanting noted poor-fair on signal peaks but generally pretty poor signal rarely more than about 10 db above the noise. Mean DF bearing 70.5+2°; Mogadishu calculated bearing is 70.0°. Logged for country #133; most welcome! This logging made on best TA night since 1965. (Nelson, MA)

+North African mx 1838 w/chants, into commentary 1848½, continued w/spoken pgm to 1905 when further tribal-style mx w/chantings. Only possible on local Sunday AM when semi-local 3B0-960 s/on's late. First time I've ever logged this country on MW, tho has been hrd before in eastern Australia. 3/5. (Padula, Australia)

971 UNID, W. Germany a possible source of strong het on WCSH 0340 8/2. (Connelly, MA)

980 ALGERIA, Algiers, now 24 hrs as of 11-7-76. (MWN, 12/76)
+Signal bombing in w/exotic AA mx 5/28 2145. (Townshend, Spain)

980 RHODESIA, Umtali, RBC, hrd 3/3 1953 relaying R. Joceranda, fair w/QRM. This stn is not hrd too often due to low pwr (1 kw) & rather crowded part of the band. (Baker, S. Africa)
+Noted 4/8 1746 w/nx in EE, fair. Also noted from 1800 relaying R. Joceranda in Salisbury. (Baker, S. Africa)

980 SWEDEN, Goteborg, fair w/talk in Swedish 1452 10/9. (McGonagle, Scotland)

989 SPAIN, Madrid, RNE, dominant, poor-fair w/IS of 4 ascending notes, SS talk surfaced briefly, then disco mx 2258-2302 1/4.

- (Connelly, MA)
 +Fair w/cl mx 0029 3/2. (Connelly, MA)
 +Potent, mashing CBY into a het; SS talk, then '50's style rock 2352 3/28. (Connelly, MA)
- 989 UNID, slow, almost funeral style, cl mx 2318 10/25.
 (Connelly, MA)
- 990 **INDIA**, Jamma, AIR (R. Kashmir), 3/20 1934 w/Indian election returns in EE & vernacular, very weak. (Baker, S. Africa)
- 1016 **TURKEY**, Istanbul, way atop the channel 0307 w/Ramadan programming 9/12 on 1016.0002; slow SAH from Germany underneath. (Nelson, MA)
 +Near East mx & fair-good sig 0215-0235 9/17. (Stanbury, ON)
 +Good w/nx & chanting 0335 9/19 & 20. Some splash from WINS but easily readable. (Klemp, CN)
 +Quite good w/OM speaking in Turkish (I suppose) followed by mideastern mx. Some deep fades. This on 10/7 0206-0230 on Grundig rx. (Eckman, PA)
 +10/22 2058 taped fair-good sig w/male ancr & eastern wailing mx. No QRM; first time heard. (Dunn, NS)
 +Dominant & potent w/male chanting 2120 10/25; Mainz-Wolfsheim rising atop 2122 w/light mx. (Connelly, MA)
 +Dominant w/chanting, fair o/SAH 2251 11/4. (Connelly, MA)
 +0440 11/10 w/nil-fair carrier looping TA. Occ audio yielded melismatic (try a music dictionary for that one!) vocal mx something like Greek popular mx; no listing for pgm for Greek or Turkish workers on the German at this time so could be Turkey. (Hall-Patch, BC)
 +Turkish mx 0414 12/4. Male voice in lang 0417. (Young, CA)
 +Xlnt w/OC/TT 0233 3/20. IS began 02555& was repeated to 0300 when an anthem was played. Several time pips on the hour & man speaking. Xlnt w/mideast type mx (sounds AA to me) various times 0307-0330. (Eckman, PA)
- 1016 **WEST GERMANY**, Mainz-Wolfsheim, SWF, weak in noise 1454 10/9. (McGonagle, Scotland)
 +Mor/rr mx w/GG ancr strong, no sign of Turkey 2204 10/11. (Dunn, NS)
 +Fair w/GG vocal 2022 10/23. (McGonagle, Iceland)
 +Battling Turkey, 3 Hz SAH, good level but bad slop from YVRS-1020 0435 10/24. (Connelly, MA)
 +Fair w/man in GG 0601 11/27. (Connelly, MA)
 +Possibly the one here w/mx 0333 mixing w/Turkey 12/4. (Young, CA)
 +Hitting strong peaks w/"Apache" by Jorgen Ingmann, then GG talk taking occasional deep fades but at all times dominant o/Turkey SAH 0550 12/6. (Connelly, MA)
 +Dominant (fair) w/GG talk slopped by WINS 0640 1/16. (Connelly, MA)
- 1016 UNID, was amazed to find a carrier here, no audio, as early as 0211 9/9 giving me the choices of Germany & Turkey. Strong enough to het YSC when loop was aimed E-W giving me both sigs. Het disappeared when YSC was nulled. Carrier faded out about 0240. Found same carrier next night same time, again no audio. Taped Istanbul here 9/26/75 0300, but have never detected any trace of the German. (Martin, CO)
 +Unid carrier potent enough to het YSC 0205-0223 10/8 must have been Istanbul. Still there 0337. 0359-0416 10/8 still getting fairly strong carrier but that would have been too late for Istanbul, wouldn't it? Anyway, Istanbul's carrier seems to be here almost every halfway decent DX night after 0200 mid-Sept to mid-Oct indicating it seems to me that 1.2 MW is able to get out almost consistently during less than favorable figures on the K & A indices. (Martin, CO)
 +Here w/carrier but no audio 2245 12/23, too much 1010 slop. Also hrd hetting YSC 0255 but YSC too strong to get anything but the carrier. (McNeil, DC)
 +Probably Germany, strong TT dominant, oscillator was repeatedly run up & down the audio range 2310-2315 1/4. (Connelly, MA)
 +Carrier noted poor 0525 3/6. (Hall-Patch, BC)

- 1025 ● SPAIN, Unid city, SS rr mx 0007 10/7. Def Spain per LSCA but didn't wait to find which of the 3 listed it was. (Schatz, FL)
- 1025 SPAIN, San Sebastian, EAJ8, 10/25 0642 w/loud signal & lots of instrumental mx. (Nall, KY)
+Good on peaks w/FF/SS talk, rock mx, o/SAH 0602 11/27. (Connelly, MA)
- 1025 ● UNID, definite NE carrier, no audio, SM 9/12 0612. Have hrd Spain but not for last 3-4 years. Soon faded away for the hour was getting late on the Iberian peninsula. (Martin, CO)
- 1034 ESTONIA, Tallinn, xlnt w/Estonian rambling by male, first time hrd, 2200+ 10/11. (Dunn, NS)
- 1034 ● PORTUGAL, Porto Alto, had to be this one 9/12 0605-0620. Very few mins of inst mx w/best sig hrd in years for this one. Had about given up TA prospects for the night when I noted WBZ arriving very well in the KTWO null, indicating good reception from the NE. Went looking for Portugal here & easily found it. (Martin, CO)
+10/25 0644 w/good sig despite XEQR-1030 slop. Pgm included a man talking in PP & mx w/singing in PP. (Nall, KY)
+Good w/man in PP, then slow lush orchestral Muzak hetted by weaker 4VEC-1035 & sloped by nulled local superpest WBZ 2316 10/25. (Connelly, MA)
+Fair 2300 10/29 to 0053 10/30 w/QSB & het from 4VEC. Following 4 time tones & a pip 0000, their ID sounded like "Ah-main-oh de transmitto de Port-u-guss." In again 10/31. (Curtis, VT)
● +0645 11/8 easy catch w/domestics out of it, though Boston was testing occasionally I believe. Taped w/ID, about 3 hrd o/ whole period. Poor-fair. This evening was the best TA-wise, though I missed a lot. (Newell, BC)
● +Assumed w/voices 0332 12/3 & 12/4. (Young, CA)
+12/20 2018 pop/mor mx, lots of ads, usual good sig. (Dunn, NS)
+In w/male vocal o/1035 het & WBZ slop 2345 12/22. (Connelly, MA)
+Very strong (better than WHO) w/uptempo mx & PP talk, local WBZ nulled on SM-2 0638 1/16. (Connelly, MA)
+1/27 2145 just before LSS, poor w/QSB, mx to 2200, then YL in PP, probably nx, 2203 mx intro w/drums, then male vocal faded 2210. Again hrd 1/29 0020 OM YL & OM in PP poor w/het. (Curtis, VT)
+Here 0559 3/7 w/s/on anmts, anthem, into PP talking & mx 0611 3/6. Also hrd 0727 w/PP pop mx & talking 0729-0734. Ad, anmt, then back to PP pop mx pgm. (Young, CA)
+Loud w/Queen record, WBZ nulled, 0034 3/14. (Connelly, MA)
+Good w/4VEC het suppressed & WBZ slop nulled; PP talk in at 0020 3/29. (Connelly, MA)
+Very good w/man & woman in PP, weaker 4VEH only noted as background het 2320 4/16. (Connelly, MA)
+4/7 2200 w/PP ads. (Wood, St. Lucia)
- 1034 ● UNID, approx freq of stn looping NE 0719 11/8 w/end of EE MoR mx, into talk that was either SS or PP, lots of WHO QRM. Portugal a possibility. (Oliphant, AB)
- 1035 IRAQ, Babylon, 4/7 0240, Azan. (Wood, St. Lucia)
- 1035 UNID, tunein 1535 5/12, weird chanting by group, similar to mx hrd on Somali stns. AA anmts, no definite ID to past 1600. WRTH-76 shows Oman-1035 & Babylon-1038; WRTH-77 shows both on 1035. Recent rpts in NZ say is Oman in 1900-2000 period w/no indication as Babylon hrd. Programming seemed to be different from that normally noted on Iraq outlets & no SW // was discovered. Babylon listed w/2000 kw, Oman w/100 kw. Both locations feasible but we'd somehow have to eliminate the 2000 kw station first! (Padula, Australia)
- 1043 EAST GERMANY, Dresden, fair w/light inst mx stronger than Colombia-1040 2210 9/14. (Connelly, MA)
+To good peaks but deep fades w/choral singing 0637 1/16.

- (Connelly, MA)
 +Supposedly is the stn here w/light mx at xlnt level 0236-0300 at various times. Noted man in GG 0301. New for me; would have thought KYW would effectively block reception of this one but apparently not so. (Eckman, PA)
 +3/22 2236 xlnt in GG w/pop mx. (Dunn, NS)
 +4/1 2300 strong & clear w/female GG mx. (Dunn, NS)
- 1043 **MOROCCO**, Sebaa-Aioun, AA singing here 0622 12/4 along w/other Morocco stns. (Young, CA)
 +4/6 2215 AA talk. (Wood, St. Lucia)
- 1043 **UNID**, carrier 0507 3/6 nil-fair causing het to WHO. Still there 0526. (Hall-Patch, BC)
- 1052 **ENGLAND**, Start Point/Droitwich, BBC, fair in EE 2020 10/23. (McGonagle, Iceland)
 +Fair w/man in EE atop Romania SAH 2152 11/26. (Connelly, MA)
 +Carrier here 0432, maybe EE talking 0433 12/4. (Young, CA)
 +Apparently the one w/British EE 0550-0555 w/fair-good sig. Faded down soon afterward. (Eckman, PA)
- 1052 **UNID**, BBC presumed here w/strong OC & had het from unid on 1052.9 0053 2/18. (Connelly, MA)
 +Perhaps BBC was the stn w/audio rising out of the KYW-1060 splash 2344 3/19. Not enough to ID language though & gone soon afterwards. WRTH lists s/off as 2348. (Eckman, PA)
- 1061 **DENMARK**, Kalundborg, fair w/cl mx 1456 10/9. (McGonagle, Scotland)
- 1061 **PORTUGAL**, Norte, strong, better than KYW/CJRP-1060 w/man in PP noted 2315 9/14. (Connelly, MA)
 +Good w/cl mx 0048 10/13. (Connelly, MA)
 +Likely here wrecking KYW/CJRP w/cl mx 2322 10/25. (Connelly, MA)
 +Poor-fair w/PP talk & mx; SAH & hints of second audio under them 2253 11/13. (Connelly, MA)
 +Good w/cl mx 0023 11/6. (Connelly, MA)
 +Pulverising 1060, cl mx, 5 Hz SAH behind 2151 11/26. (Connelly, MA)
 +Fair w/soft mx 2342 12/23. (Connelly, MA)
 +To fair peaks w/talk, then cl mx 2159 1/4. (Connelly, MA)
 +Good-xlnt rolling in w/cl mx 0050 2/18. (Connelly, MA)
 +Fair w/soft mx 0033 3/14. Good w/cl mx 2255 & opera 2355 3/21. Best TA above 1000 kHz at the time. (Connelly, MA)
- 1061 **TURKEY**, Diyarkabir, national songs, Turkish anmts 1925 3/5. (Padula, Australia)
 +Turkish Play/drama 1850 5/12. (Padula, Australia)
- 1079 **WEST GERMANY**, Bremen, HWRB, in noise w/low het present 1458 10/9. (McGonagle, Scotland)
- 1088 **ALBANIA**, Durres, 10/22 2230 hrd R. Tirana s/on w/Internationale in II(?) u/BBC stock reports. (Dunn, NS)
 +Very good, reducing other channel occupants to a background SAH; trumpet IS, mx, thentalk by woman 2203 1/4. (Connelly, MA)
- 1088 **ANGOLA**, Luanda, R. Nacional de Republica Angola, noted w/s/on 0400 6/26 in PP. (Baker, S. Africa)
- 1088 **COMORO ISLANDS**, Moroni, noted w/s/on 0300 8/15 in FF. (Baker, S. Africa)
- 1088 **ENGLAND**, Crowborough, BBC, fair w/man in EE 0127 9/15. (Connelly, MA)
 +Very strong at midnight local time, most unusual. Pgm "From Our Correspondants" 0310 10/2. (Dunn, NS)
 +Xlnt w/BBC European Service 0502-0550 w/GG pgm till 0530. FF noted around 0540. Deep fades prevented any positive ID, however. Possible only when KYW off MMs. (Eckman, PA)

- +Dominant w/cl piano mx, Albania under w/CC mx by girls' glee club, both signals strong 0435 10/9. (Connelly, MA)
 - +Assumed weak w/talk 1500 10/9. (McGonagle, Scotland)
 - +Fair in EE 2018 10/23. (McGonagle, Iceland)
 - +Good carrier, weak audio, EE nx about European-American relations 0004 11/27. (Connelly, MA)
 - +EE male voice in briefly 0442 12/3. (Young, CA)
 - +Xlnt, well atop Albania; man in EE w/"BBC World Service" ID 0545 12/6. (Connelly, MA)
 - +12/19 2015 World Service w/mx up to 2015, then commentary on English economic problems for 1976. (Dunn, NS)
 - +Even w/Albania w/GG pgm 0446 12/17. (Eckman, PA)
 - +Atop w/GG talk, Albania audible behind w/AA sounding female voice 0458 1/16. (Connelly, MA)
 - +1/28 0015 caught end of BBC R. Nxreel & theme, poor w/het from WBAL. (Curtis, VT)
 - +Fair-good RF level, talk o/u WBAL slop 0048 2/18. (Connelly, MA)
 - +Xlnt throughout evening of 3/19 w/EE programming. WRTH lists this as on to W. Europe 2115-0445 in EE, tho I had thought they weren't on evenings. (Eckman, PA)
 - +3/19 woman rambling on about foreign relations 2324. (Dunn, NS)
 - +4/1 sports & rugby results or whatever, strong. (Dunn, NS)
- 1088 NIGERIA, Lagos, NBC National Pgm, 7/30 0430 w/ s/on in EE, TC For 5:30 am. Hrd while hunting for Angola. (Baker, S.Africa)
- 1088 UNID, sounded very much like a W. African mixing w/BBC 0417 3/6; sounded like talking drum type mx & am thinking of Nigeria as a possibility. (Foxworth, NY)
- 1097 CANARY ISLANDS, Las Palmas, ECS4, 4/1 2155 good sig, male ancr, ments of Las Palmas & Las Canarias, etc. (Dunn, NS)
- 1097 UNID, AA chant (or Moorish mx), then woman talking o/bad low growl of hets, fair strength, 2258 10/25. (Connelly, MA)
 +Cacophonous growl of low hets 2252 11/13. (Connelly, MA)
 +Spain or Canary Islands, SS stn w/talk & jingle slightly dominant o/low het 2204 1/4. (Connelly, MA)
- 1106 ● EGYPT, Batra, assumed per AA inst mx 0013 10/27. Quite clear. Tried //ing 818 but latter faded out. (Schatz, FL)
 +Fair w/female AA vocal well atop others 0008-0012 11/27. (Connelly, MA)
- t +Presumed 0435 12/4. Typical mx seemed like area. (Young, CA)
 t +Possibly the stn here w/male AA chant, unusually strong considering the paucity of other high-end TAs at the time 0030 3/14. (Connelly, MA)
 +Presumably this was the one here w/xlnt carrier 2337 3/19. Recheck 2358 revealed strong AA mx. Tape across hour revealed no breaks in the singing so no definite ID. Noted again around 0015 3/20 but not later in evening. Batra is only reasonable AA speaking possibility on this freq but it's a relatively long path & cx had not been good prior to this evening which makes me wonder what I rxd here. Anyone else hear it? (Eckman, PA)
 +Hebrew service, tunein 2046 5/9, still audible as late as 2200! This is 8 am local time here, have never hrd a MW DX stn as late as this before. About 1 hr after LSR. (Padula, Aust.)
- 1106 WEST GERMANY, München, AFN, good w/Reds-Phillies BB, Ralph Kinner play-by-play 10/10 0100. (McGonagle, Iceland)
 +Now 50 kw. (MWN, 11/76)
 +12/19 2038 sounded like Curt Gowdy w/FB(?). Def references to Armed Forces w/many U.S. Armed Forces promos replacing ads. This stn usually only noted on "hot" nights. (Dunn, NS)
 t + Somewhat tentative, but w/the many GG's coming in all o/the band, EE on 1106 means AFN despite lack of solid ID due to QRM. hrd before. 3/22 2228. (Dunn, NS)
- 1106 UNID, nonstop cl mx strong 2318 3/4. (Connelly, MA)
 +Strong AA 0030 3/7, soon faded, prob Morocco. (Foxworth, NY)
 +Opera mx at fair level 0012 4/23. (Connelly, MA)

- 1115 ITALY, Bari, atop w/play in II 2130 10/21. (Dunn, NS)
- 1115 MOROCCO, Quarzazate, lousy signal u/Italy w/chanting & other AA goings-on 2145 10/12. (Dunn, NS)
 +AA chanting u/Italy 2130 10/21. (Dunn, NS)
 +Good peak level w/AA chant by woman, 2.4 Hz SAH possibly from Italy 2259 10/25. (Connelly, MA)
 +12/20 2020 AA rambling w/Italy underneath, fair. (Dunn, NS)
 +3/19 2322 male rambling in AA. (Dunn, NS)
- 1115 UNID, stn playing "Trilogy" by EL&P (title cut of LP), briefly good o/low hets 0627, faded 0630 1/16. Italy probable, but there's an outside chance it could have been BBC. (Connelly, MA)
- 1124 LIBYA, El Beida, noted here around 1718-2131, all in AA, on 5/12 & 5/14. (Padula, Australia)
- 1124 SPAIN, Barcelona, EAJ15, hrd ID talks about España, etc, then faded u/God-knows-what 2145 10/13. (Dunn, NS)
- 1124 YUGOSLAVIA, Zagreb, presumably the one w/xlnt sig 2336-0000 3/19 & 0252-0430 3/20. Had SAH cutting up signal around 2345 3/19 & also had problems from an LA on 1125. (Eckman, PA)
- 1124 UNID, carrier here 0331 12/4 but no audio. (Young, CA)
- 1130 INDIA, Calcutta, AIR, 3/20 1934 //990 w/good sig. (Baker, S.Afr.)
- 1133 KUWAIT, EE talk about current affairs in mideast by lady 1909 3/5. (Padula, Australia)
 +EE service w/hit parade, pops, 1720 5/12; also in EE 1900 5/12. (Padula, Australia)
- 1133 UNID, Spain or Canary Islands, strong w/guitar mx 0632 1/17 but too impatient for ID. (Schatz, FL)
 +Carrier poking through WNEW splash 0025; bits of SS sounding vocal surfacing 0026 4/3. (Connelly, MA)
- 1133 YUGOSLAVIA, Tovarnik, presumably the stn here w/xlnt sig at times 2336-0000 3/19 & 0252-0430 3/20. Played oldish mx & was def //1124 when both faded up at same time. Something was on this freq all eve but it may have been Spain rather than Tovarnik that was here 0000-0200 3/20. No definite ID from either, however. (Eckman, PA)
- 1142 WEST GERMANY, Bremerhaven/Stuttgart, AFN, good w/BB //1106 0100 10/10. (McGonagle, Scotland)
 +12/21 1905 QRM/weak EE nx & sports, etc. (Dunn, NS)
- 1151 ROMANIA, Cluj, //854 w/concert 1955-2000+ 3/5. (Padula, Aust.)
 +Romanian discussion, seemingly about political topic 2019 5/14. (Padula, Australia)
- 1160 FRANCE, Strasbourg, very nice, totally dominant w/KSL very nearly inaudible 0549-0610 w/FI pgm //164 & ID as such 0600 (no local ID) & did not even get a KSL ID in background as they went across hour w/Mystery Theatre to 0625! France up to S-7 & faded 0618 when LA took over. (Foxworth, NY)
- 1169 CHAD, N'djamena, R. Chad, native mx 2202 10/23 & //4904. Not strong, but readable. New for me & a surprise. Africans had been consistent & solid for the past month. (Dunn, NS)
- 1169 ENGLAND, QTH uncertain, EE sports rpt, man w/Scots accent, fair, 1502 10/9. (McGonagle, Scotland)
- 1169 UNID, possibly USSR's megawatt here w/ripping het on IJNW/WWVA 2256 10/25. (Connelly, MA)
- 1178 SWEDEN, Horby, FS s/on & ID w/IS etc. 2230 10/11 w/GG pgm. First time noted this season. Good sig, by 2240 had faded in-

- to QRM. (Dunn, NS)
 +3/22 2226 very strong, best this year, running multilingual ID interval tape w/mxical ID notes. S9+, most unusual this late in the season. (Dunn, NS)
 +4/1 2238, xlint sig w/GG, a surprise that this path still is present this late in the season. (Dunn, NS)
- 1178 UNID, Sweden or Spain here w/potent carrier, occasional operatic vocals 2256 10/25. (Connelly, MA)
- 1187 INTERNATIONAL WATERS, R. Caroline/Mi Amigo, fair w/piano jazz o/TGFT het 0205 7/7. (Connelly, MA)
 +Fair w/mx 0326 8/2. (Connelly, MA)
 +Noted w/strong signal 8/17; usual format, pop records, Rod Stewart, etc. on measured 1187.0041. This is generally one of the uniformly best TA signals. (Nelson, MA)
 +Hitting fair peaks w/EE rock up well w/"Please Mr. Postman" by The Beatles 0425, ad for records, then "Love Her Madly" by the Doors 0428 10/9. (Connelly, MA)
 +Good on peaks 0458-0502 11/5; "Cruisin' in my Automobile" by Jefferson Starship followed by time pips, jingle, DD talk, then "Morning Has Broken" by Cat Stevens. (Connelly, MA)
 (Editor's note: this station is no longer operating on this frequency. See 953 and 1562 kHz listings.)
- 1188 IRAN, Teheran, Farsi pgm, talk/discussion by man 1839 audible to past 2100 5/12. (Padula, Australia)
- 1196 MOROCCO, Agadir, good (S9), dominant w/AA vocal & slow finger picking on banjo-like instrument; low audible het presumed to be from VOA & assorted jammers 2254 10/25. (Connelly, MA)
 +0616-0622 9/17, some kind of weirdo mx & the only time I've ever captured audio from this stn, but the carrier has been entertained many times in previous years. (Martin, CO)
 +C" 3/19 2312 strong w/string instrument & moaning, good signal. (Dunn, NS)
- 1196 WEST GERMANY, Munchen, VOA, nx poor, unid 300 Hz het present 0310 6/18. (Connelly, MA)
 +Poor, fighting battle w/low pitched het 0324 8/2. (Connelly, MA)
 +PPP piercing the caddrums 0121 10/7. Horrible noise in background, assume Commie jammers. (Schatz, FL)
 +VOA assumed here poor-fair in FF 0420 10/9. (Connelly, MA)
 +Fair w/mx in EE 2016 10/23. (McGonagle, Iceland)
 +GG talking at 0328, mx 0329. Terribly weak audio. Seemed like there could have been 2 carriers 12/4. (Young, CA)
 +12/20 2145 heavy CIPN-1190 splatter. EE lesson, Slavic (?) language w/man & woman combo. 2200 ID & sudden antenna pattern change & program in Polish (?). (Dunn, NS)
 +1/28 0418 fair in unid language, OM & YL alternating w/items. Hrd "Yugoslavia". W/this format must be VOA. (Curtis, VT)
 +Xint 0335 1/29 w/rock song followed by disco. The high end was really crammed w/TAs at the time, but we had friends visiting so further exploration was not done. A later check (0600 1/29) revealed poorer ex. (Connelly, MA)
 +3/22 2220, Slavic lang by woman w/numerous references to Carter & Washington. (Dunn, NS)
- 1196 UNID, SS pgm w/jx & screaming, sounding like an LA style show 0200-0210 11/20. Loop says TA & freq definitely 1196 so more likely VOA than a drifty LA. (Connelly, MA)
- 1205 FRANCE, Bordeaux, RTF, good w/man & woman in FF 0440 10/9. (Connelly, MA)
 +Strong YL ancr rambling on in FF, usual xlint S9+ dominant signal 2130 10/13. (Dunn, NS)
 +Fair level w/man in FF on TRF; some WCAU slop 2157 10/26. (Connelly, MA)
 +In & out 11/22 but never able to hold for more than a minute 0600-0700. (Nittler, NE)
 +FF talking 0437 here 12/4. (Young, CA)

- +Carrier & weak audio all evening 0350 12/3! (Manning, CA)
- +Fair w/man in FF o/WCAU slop 0620 12/10. (Connelly, MA)
- +12/20 1840 strong dominant FF rambling, usual sig. (Dunn, NS)
- +Good w/AA mx (violins) //1376 0505 12/21. (Connelly, MA)
- +0636 12/23 FF talk by man, fair in peaks. (McNeil, DC)
- +In w/strong carrier, weak audio, FF talk; SAH present varied in freq from zero beat to 2.5 Hz 2207 1/4. (Connelly, MA)
- +1/29 2145 FF discussion w/OMS & YL, 2153 mx strains w/OM & YL, then into FF song, fair. (Curtis, VT)
- +Fair w/man in FF way o/fast SAH (presumably from Cayman) 2242 2/18. (Connelly, MA)
- +Carrier here 0620 3/6. (Young, CA)
- +3/22 2215, rival to 1554 in FF, strong signal. Truly dominant tonight - S9+10 db w/woman & MoR mx. (Dunn, NS)
- +4/6 0340 FF talk. (Wood, St. Lucia)

1205

- SIERRA LEONE, Freetown, the one w/Ramadan-type programming around 2330 several nights in early Sept.; freq measured 1205.0150 on 9/7 & DF checked also. (Nelson, MA)
- +Possibly the source of fair-good carrier looping same direction as Dakar 0603-0619 9/17. This was about the 4th time a carrier was noted on 1205 w/Dakar traces on 764. First couple times I didn't even think of Sierra Leone, but it seems an obvious possibility. (Rittenhouse, CA)
- +10/20 2139 EE pgm about agriculture (?) w/slight local accent. Bordeaux underneath. (Dunn, NS)
- +IS, anthem, African mx, EE at times //3316 10/30. (Young, CA)
- +Probably the S7+ signal 12/11 looping W. Africa 0620. Little audio. Noise level & QRM makes this tough here. (Seaver, CA)

1205

- UNID, carrier 0557 11/26 looping TA. Faded out completely by 0601. Probably Sierra Leone as they s/on 0600. (Hanavan, CA)
- +1/28 0440 unid lang, marimba-like mx, OM & YL w/very brief mx interludes, 0445 lively SS mx, 0501 mx sounded AA w/moaning & groaning. QSB but got fair tape. (Curtis, VT)

1214

- ALBANIA, Lushnje, woman in Romance or Slavic language poor 0310 9/14. (Connelly, MA)
- +Noted w/man in AA 0442 10/9. (Connelly, MA)
- +Good w/talk, possibly AA, 0455 11/5. (Connelly, MA)
- +Fair but fadey w/AA pgm 0442 12/30. (Connelly, MA)
- +Strong & alone on channel w/mx, then ID "Govori Tirana" ID 0502 1/16. (Connelly, MA)
- +Good at s/on w/trumpet IS, mx, talk, 0500 1/23. (Connelly, MA)
- +4/6 0330 in AA. (Wood, St. Lucia)

1214

- ENGLAND, Washford et al, BBC, 2 male ancrs w/Jazz pgm, often very strong as this night 2130 10/13. (Dunn, NS)
- +Strong, regularly hrd, pop mx, ID, etc. 10/20 2140. (Dunn, NS)
- +Poor-fair w/jazz 2253 10/23. (Connelly, MA)
- +Good, dominant w/big band mx 2014 10/23. (McGonagle, Iceland)
- +Fair w/man in EE, then rock, slopped by WCAU 2310 10/25. (Connelly, MA)
- +Atop Albania w/EE talk by man 0557 11/6. (Connelly, MA)
- +EE ancr w/British accent 0644 11/8 giving traffic rpt & times in GMT, MoR mx, 0649 soccer results & wx, good signal w/CJOC slop; carriers also noted on 818 & 881 this night. (Oliphant, AB)
- +Very fadey w/Muzak 0653 11/26. (Connelly, MA)
- +Symphony mx & EE amnts in & out all evening 0340 12/3. (Manning, CA)
- +Nx ending 0005 briefly to good peaks, very fadey - slop from WCAU & WGAR 12/24. (Connelly, MA)
- +12/30 1844 pop mx, 1845 sports, soccer scores; strangely enuf the whole format sounded similar to US style station. Never thought BBC could sound like WABC! (Dunn, NS)
- +Delivering a good carrier w/the usual poor audio as late as 0820-0830 1/19. Perhaps the hour was not really late by English mid-winter standards for at 52°N, I found that there is virtually no such thing as daytime radio reception from London in Dec. Cx approximating nighttime hang on all day. Even the noon hour sun seems to be setting on the rare occasions when

you can see it. (Martin, CO)
+Poor in heavy WCAU slop 2351 1/26. (Connelly, MA)
+Poor in WCAU slop w/hard rock mx 2358 1/21. Good on car rx in Rockport w/operatic male vocal 2114 1/23. (Connelly, MA)
+Carriers quite distinct 3/1 0624-0630. No audio but never hrd in March before. (Martin, CO)
+Fair w/violin mx 2315 3/4. (Connelly, MA)
+Assumed w/carrier 0643 3/6. (Young, CA)
+3/22 2104, this one & 647 are strongest BBC hrd here w/nx & cricket match results. (Dunn, NS)
+Shallow modulation w/soft mx 4/1 2150 fair. (Dunn, NS)

- 1214 SCOTLAND, Burghead, BBC, xInt (local) w/rock 1506 10/9. (McGonagle, Scotland)
- 1214 TANZANIA, Arusha, suddenly appeared 2045 5/14 w/African rhythms; this was only EC African hrd in 7 days! (Padula, Aust.)
- 1214 UNID, (Albania w/African lang?), definite lang similar to Swahili here 0315 12/4, noted to past 0326. Although Tanzania listed, how could this make it to WCNA Strong audio during entire time & male voice the only pgm. (Young, CA)
- 1223 BULGARIA, Vindin, a surprise to note Vindin way o/RNE 0031-0048 9/13 w/cl violin mx & man ancr; freq measured 1223.0029. (Nelson, MA)
+Hrd often, best at LSS strong w/cl mx & anmts 2115 10/10. Usually deteriorates w/RNE becoming dominant. (Dunn, NS)
- 1223 SPAIN, Madrid, RNE, 10/20 2130 on top of channel for a change w/SS mx. Lately 1223 has been Bulgarian property. (Dunn, NS)
+Good w/SS talk, cl mx u/powerful OC (possibly Bulgaria), 2.6 Hz SAH 2252 10/25. (Connelly, MA)
- 1223 UNID, 2 fair strength carriers here yielding 3.2 Hz SAH but no intelligible audio 2252 10/23. (Connelly, MA)
- 1232 CYPRUS, Cape Greco, R. Monte Carlo relay, very good EE/FF pops 1400. (Ormandy, New Zealand)
+TWR ID in EE 2015, then into AA rlgS pgm 5/14. Also w/R. Monte Carlo pgm, AA talks 1534 5/14. (Padula, Australia)
- 1232 MOROCCO, Tangier, atop the channel w/Ramadan programming 0049 9/13 on 1231.8925; 2nd stn noted at the same time on measured 1232.0000 was probably the Czech. (Nelson, MA)
+Often, usually loud male chanting, & further AA goings-on 2018 10/10. (Dunn, NS)
+2048 10/20 AA rambling, not strong but often hrd. (Dunn, NS)
+Most likely here w/big carrier, bits of mx rising o/WESX slop 0023 4/3. (Connelly, MA)
+4/6 2200, 4/7 2150 etc, wild oratory in Magrebi AA, attacks on Algeria for fomenting dissent in Sahara. Loud. This one not often reported in NA; perhaps beamed to Sahara or east to Algeria. (Wood, St. Lucia)
+Fadein around 2106 5/14 w/AA political rpt by man; not //9615 SW. This is after our local sunrise! (Padula, Australia)
- 1241 RHODESIA, Bulawayo, R. Matopos, 6/20 2005, has been observed to be relaying the General Service 2000-2100 Sundays. Further monitoring will be required to see if R. Matopos regularly relays General Service before closedown. R. Matopos is named after the range of hills near Bulawayo. (Baker, S. Africa)
- 1250 LIBYA, Tripoli, good w/AA 2012 10/23. (McGonagle, Iceland)
- 1255 RHODESIA, Salisbury, R. Jacaronda, 8/1 1630 w/mx, missing pets anmts, & tele-quiz w/fair sig. (Baker, S. Africa)
+3/3 1953 w/mx & lost pets anmts by female. Fair-good w/QRN. Rather rare due to crowded part of band. (Baker, S. Africa)
- 1259 GREECE, Rhodes, VOA, powerhouse AA 1400 w/nx. (Ormandy, NZ)
+6/25 0331 w/Breakfast show in EE poor w/het. (Baker, S. Africa)

- 1259 UNID, weak carrier/het noted here 0343 9/2. Poland or Spain seem the most likely possibilities. (Eckman, PA)
- 1268 WEST GERMANY, Neumunster, DLF, assumed the one here w/nx 0405 9/2. Language never definitely IDed though. (Eckman, PA)
 +Good w/GG vocal 1508 10/9. (McGonagle, Scotland)
 +Male ancr w/nx(?), not strong, not hrd all that often. Considering pwr of 600 kw should be more dominant than this, 2125 10/13. (Dunn, NS)
 +Xlnt GG mx 0310, good w/cl mx (waltzes) 0420 10/24. (McGonagle, Iceland)
 +Strong signal but poor overall due to 1270 FFC/CJCB/WTSN up-roar; GG talk, then mx 2232 10/29. (Connelly, MA)
 +Strongly hetting 1270 jumble, GG singing w/fair overall copy 0021 11/6. Good w/bouncy Muzak 0556 11/6. (Connelly, MA)
 +Good w/light mx 0652 11/26. (Connelly, MA)
 +Female voice in GG 0453, mx 0457 12/3. (Young, CA)
 +Xlnt w/male in GG various times 0445-0630 12/27. Not particularly common here due to relatively northerly path. (Eckman, PA)
 +Occasionally rising out of slop w/GG vocal mx; signal mostly a strong het 2349 1/26. (Connelly, MA)
 +Fair w/Muzak 0207 2/23. (Connelly, MA)
 +Fair, man in GG, 2314 3/4. (Connelly, MA)
 +Fair w/light mx 0435 3/5. (Eckman, PA)
 +Fair 2326 3/19 w/mx occasionally audible between R. Paradise & 1270 domestics. Better 0336 3/20 w/light mx. (Eckman, PA)
 +3/22 2215 very strong, but that's not unusual for this one. Male GG ancr & rr mx. (Dunn, NS)
- 1277 FRANCE, Strasbourg, weak w/man & woman in FF 0555 11/6. (Connelly, MA)
 +FF pop mx 0510, male voice 0512 12/4. (Young, CA)
 +Very good w/FF pops 1350. (Ormandy, New Zealand)
 +Perhaps the one occasionally peaking to fair level 0440-0450 3/5 w/what seemed to be French Culture Pgm //1376 though not positive. (Eckman, PA)
- 1286 CZECHOSLOVAKIA, Praha-Melnik, apparently the one here 0322 9/2 w/fair signal. No audio discernable at that time. Was good 0400 8/30 w/OM giving nx. (Eckman, PA)
 +Xlnt 0048-0101 9/14 w/cl mx; signed off suddenly after mx ended 0055, played IS once, OC to 0100 when began a TT. Freq measured 1286.0000. (Nelson, MA)
 t +Likely the source of fair-good carrier 0406-0445+ 10/4. No audio discernable. (Eckman, PA)
 t +Suspected here w/OC & time pips preceeding regular programming 0445 10/9. (Connelly, MA)
 +FS in FF(?), lots of QRM & very weak sig. Definite ID as distinctive IS hrd on the hour. R. Prague usually consistent, never solid & strong 10/22 2200. (Dunn, NS)
 +Fair 0515 10/24. Loud w/cl mx atop stn which had SS or PP man speaking in a monotone drone 1.4 Hz SAH 2325 10/25. Poor w/cl mx in bad CJMS-1280 slop 0018 11/6. (Connelly, MA)
 +Strong w/cl mx //6055 2338 11/5. Apparently w/Interprogram at this time. (Eckman, PA)
 + Female voice 0454 seems to fit the time & format. This is supposed to be the FS MW outlet listed, but not at this time, 12/3. (Young, CA)
 +Fair w/slavic talk by woman; 1 kHz het on low side 0538 12/6. (Connelly, MA)
 +Fair w/man in Slavic language 0504 12/19. (Connelly, MA)
 +Poor-fair w/man talking 12/21 0504. (Connelly, MA)
 +Strong w/man in apparent nxcast 0432 12/27. (Eckman, PA)
 +To fair peaks w/operatic vocal 0040 2/18. (Connelly, MA)
 +R. Prague FS 3/22 2056 ending FF xmsn, then interval ID tape was run, beautiful signal. (Dunn, NS)
 +Hrd often, usually not strong. This occasion good 2100 w/IS etc. & s/on in GG. (Dunn, NS)
 +4/1 2146 features pgm w/heritage of Czech, etc. Usual good signal, some splatter. (Dunn, NS)

- 1286 ^t ISRAEL, various, carrier u/Praha/Lisboa 0048 9/14 on measured 1285.9989. Must have been Israel per latest EBU list but no audio noted or DF possible w/Prague so strong. (Nelson, MA)
- 1286 PORTUGAL, Lisboa, on measured 1286.0095 u/Praha w/PP 0000 9/14. (Nelson, MA)
- 1295 ENGLAND, Crowborough, BBC, fair w/talk o/low het 0322 8/2. (Connelly, MA)
 +Fair w/EE s/on of World Service 0400 10/24. (McGonagle, Iceland)
 +Poor w/talk o/low audible het 2250 10/25. (Connelly, MA)
 +Poor-fair w/man talking, possibly FF, audio very bassy, 0514 12/19. (Connelly, MA)
 +3/22 2212, not often hrd, weak EE pgm. (Dunn, NS)
 +Very strong w/pips preceding RS 0434 4/17. (Connelly, MA)
- 1304 UNID, PP or SS mx, strong carrier, weak audio 2250 10/23. (Connelly, MA)
 +Algeria possible; mostly just a carrier, too much slop to raise meaningful audio 0503 12/21. (Connelly, MA)
 +Stn here w/OM in Slavic language (definitely not SS or PP) 0429 12/27. Briefly very strong. (Eckman, PA)
- 1313 NORWAY, Stavanger, very good in Norwegian 1510 10/9. (McGonagle, Scotland)
- 1313 UNID, (Norway likely), cl mx at low audio level, atop SAH (about 2 Hz) 0543 11/22. (Connelly, MA)
 +Carrier w/SAH, traces of operatic mx 0537 12/6. (Connelly, MA)
- 1322 EAST GERMANY, Leipzig, fair in GG 0402 10/24. (McGonagle, Iceland)
- 1322 UNID, stn here w/what seemed to be GG peaking at good level 0450 12/27. WRTH lists E. Germany here. (Eckman, PA)
- 1332 IRAN, Teheran, national songs, Farsi anmts, 1903 5/13. (Padula, Australia)
- 1340 NORTHERN IRELAND, Lisnagarvey, BBC, good in EE 2010 10/23. (McGonagle, Iceland)
- 1345 ^t KUWAIT, Al Jiwan, weak & alone w/no QRM 2118 10/23 very poor w/AA rambling. Hrd at LSS w/fadeout shortly after or went u/QRM buildup. For me that's typical of near east. (Dunn, NS)
 +Fade in 1515 5/14, AA service, chants, through to fadeout 2207!
 This 8/7, an hour after LSR. Have never hrd a MW DX station as late as this before! (Padula, Australia)
- 1349 FRANCE, various, good w/FF talk, also Slavic talk, apparently a multilingual pgm 10/10 0100. (McGonagle, Scotland)
 +Poor w/FF talk & vocal, bad QRM from 1350 0503 1/23. (Connelly, MA)
- 1349 ^t MAURITANIA, Nouakchott, good carrier strongly hetting 1350 domestics 2309 10/1. Conakry-1403 also good at the time. (Eckman, PA)
 +Strong, hrd several nights in succession, usually has long sessions of native stringed instrumental mx. Pgm //4850 so therefore positive ID.2155 10/20. Tape of ID on the hour, but I'll be dammed if I can catch any reference to anything that sounds like Nouakchott! Good bet for ECers. (Dunn, NS)
 +Sounded like this one 0635 3/12; was similar to what's hrd on 4895 but could not hold through 1350 slop. (Foxworth, NY)
- 1349 UNID, Mauritania possible source of strong het against WLNH at LSS on car rx in Gloucester 2323 8/16. (Connelly, MA)
 +France or Mauritania poor w/FF talk 2245 10/23. (Connelly, MA)
 +Heavy het noted, too much slop for audio 2325 4/16. Bits of mx surfacing o/screaching het 0432 4/17. France is my first guess; Mauritania also possible. (Connelly, MA)

1358

EAST GERMANY, Berlin, fair in GG 0404 10/24.

(McGonagle, Iceland)

+Quite good w/male in GG 0509 12/27; slop troublesome at times. (Eckman, PA)

+Fair through WDRC splatter; talk by man, then jazz, 0347 3/7. (Connelly, MA)

1375

ST. PIERRE ET MIQUELON, St. Pierre, fair signal 8/12 0110 w/FF talk. (Herbst, W. Germany)

+Poor w/FF talk battling local fluorescent light noise 2320 10/5. (Connelly, MA)

+Good w/Aznavour-style FF vocal 2248 11/13. (Connelly, MA)

+Signon w/Marsellaise in FF 0930 11/22. (Nittler, NE)

+Surprisingly strong 2235 11/23, equal to 1376. (Stanbury, ON)

+Fair w/man in FF 0020 11/27. (Connelly, MA)

+Fair, bad het from 1376; FF talk by man 2244 12/23. Here w/fast FF talk, heavy 1376 QRM 2210 12/31. (Connelly, MA)

+FF orch mx fair 12/28 0115. (Herbst, W. Germany)

+Good w/woman in FF & occasional interspersed short musical passages 2211 1/4; better than 1376 at the time. (Connelly, MA)

+Weak w/mx, 1376 not noted, 0002 1/22. (Connelly, MA)

+Strong w/cl mx at low audio level 2348 1/26. Man & woman in FF, probably a play 0013 1/31; auroral flutter fading on signal. (Connelly, MA)

+Fair w/FF vocal 0036 & good w/FF talk & slow male folk vocal 2311 2/18. (Connelly, MA)

+2/26 0025 mostly slow male vocals in FF poor. (Curtis, VT)

+FF talk fair in slop, atop 1376 het 2243 3/21. (Connelly, MA)

+3/22 2210 hrd here 24 hours a day; it's a semi-local. When it's on, I hear it. Good w/female w/pop mx. (Dunn, NS)

+Noted w/FF drama 0012 3/29. Fair w/excited FF talk, hockey or other sporting event 0020 4/3. (Connelly, MA)

+Good w/male FF vocal 0045 4/29. Loud but fluttery w/woman in FF 0137 5/2. (Connelly, MA)

1376

FRANCE, Lille, the French Culture network seems to be signing on an hour earlier than last year. Noted Lille w/OC & TT 0346 9/1 & apparent s/on 0400 in unid lang. Several other FF culture stns also in to some degree: 1403, 1349, 1241, & possibly 1493 all in w/hets/carriers w/readable audio on 1403. (Eckman, PA)

+Good w/woman in FF 0447 10/9. (Connelly, MA)

+Xlnt 0505-0550+ w/typical foreign language pgm. Noted //1554. Good carrier on 1349 also around this time might also have been FC network. (Eckman, PA)

+Good w/FF talk 1512 10/9. (McGonagle, Scotland)

+Fair-good w/man in FF, het from weaker St. Pierre-1375; slop from 1370 2247 10/25. (Connelly, MA)

+Good w/man & woman in FF interspersed w/mx 0452 11/5. (Connelly, MA)

+Level w/St. Pierre-1375 2115 11/5 in foreign lang. (Eckman, PA)

+Good w/man in FF, then woman in SS 0541 11/22. (Connelly, MA)

+Apparently //1205 w/man & woman alternating in FF 0600-0700 11/22. (Nittler, NE)

+Good 11/22 0640-0710 w/steady sig w/YL ancr in FF, various rr & guitar tunes, man ancr on hour, some 1380 QRM. (Forth, IL)

+Fair w/classical influenced rock 0630 11/27. (Connelly, MA)

+Carrier assumed to be France 0455 12/3. (Young, CA)

+Fair w/talk & mx 0555 12/6. (Connelly, MA)

+To good peaks w/AA pgm 0502 12/21. Good w/modern cl mx, then FF talk 2244 12/23. Xlnt, better than 1375, w/man in slow paced FF 2210 12/31. (Connelly, MA)

+Xlnt //1554 w/AA pgm 0443 12/27. (Eckman, PA)

+Good w/FF talk 0624 1/16. (Connelly, MA)

+Strong hetting 1375, noted for a few mins until 0035 2/18 at which time the carrier went off. (Connelly, MA)

+Strong w/FF pop mx & anmts 0601-0637 in & out 3/6. (Young, CA)

+3/22 2055 FF w/male & pop mx very strong, later that same evening St. Pierre-1375 ran all over this one. (Dunn, NS)

+4/7 0400 AA, Azan (not so listed in WRTH 77, do not confuse w/Arab or African), 0410 FF. (Wood, St. Lucia)

+Fair but QRM from Vladivostok 1330. (Ormandy, New Zealand)

- 1376 SWAZILAND, Mbabane, Swazi Commercial R., 6/20 0500 s/on in EE followed by nx & rlygs pgm. Xlnt. Ancr gave freq of SW outlet but not MW outlet. (Baker, S. Africa)
+R. Truro is hrd here regularly fading in at about 1455 w/Indian mx, ads, & anmts in EE. Xlnt at all times. R. Truro is a division of Swazi Commercial R. & is beamed to the Indian population of S. Africa & neighboring countries. Xmsn usually ends at about 1630 or 1700. (Baker, S. Africa)
- 1385 LITHUANIA, Kaunas, 4/1 2130 heavy QRM on 1385 & splatter. Very poor; w/Vinnitsa-1546 in strong & playing R. Moscow IS tape, returned to 1385 & hrd same IS chimes in the depth of QRM. (Dunn, NS)
- 1385 SPAIN, Madrid, ECS12, SS mx atop 2nd stn, possibly in AA, 0629 11/27. (Connelly, MA)
- 1385 UNID, fair carrier here 2324-2345 at various times w/no audio discernable. SAH also noted when carrier peaked 3/19. (Eckman, PA)
- 1394 ALBANIA, Lushnje, strong w/YL in SS 2311-2327 s/off w/Internationale 9/17. Not hrd here since last season. (Eckman, PA)
+Noted strong, badly hetting WPLM, 2306 9/13. (Connelly, MA)
+Most evenings w/exceptional strength. Hrd s/on w/NA, programming in RR 2100 10/12. (Dunn, NS)
+Poor w/talk by man 0512 10/24. (Connelly, MA)
+Good w/woman in Slavic lang 2245 10/25. Booming in w/xlnt sig on TRF w/woman talking, taking out adjacent domestics 2158 10/26. (Connelly, MA)
+Noted w/xlnt sig 2051 11/5 in unid lang. Earliest fadein for TAs at this location so far this season. (Eckman, PA)
+Among the top early morning TAs, good w/talk by man, then military style march mx 0540 11/22. (Connelly, MA)
+Noted very early 2037 11/20 w/good carrier, some audio. Was xlnt 2100 w/IS & apparent FF pgm. EE pgm regularly hrd 2200-2230 // 41 meter band SW outlet. (Eckman, PA)
+Good, better than 1586, w/Slavic talk by man 0532 12/6. (Connelly, MA)
+All alone 0557 12/27 w/Internationale. (Eckman, PA)
+Noted pronounced auroral flutter; woman in Eastern European lang, audio sounded like it was coming from underwater as the auroral rippling was very severe 2214 1/4. (Connelly, MA)
+Fair w/woman talking 0516 1/23. Strong, badly jamming WPLM on car rx in Rockport 2101 1/24. (Connelly, MA)
+Strong w/man & woman in SS 2301 3/3. Loud w/SS talk 2312 3/4. (Connelly, MA)
+Strong w/female in SS 2320 3/4 & 2303 3/5. (Eckman, PA)
+3/19 2300 in SS pgm, poor signal. (Dunn, NS)
+Strong w/talk by man, badly dicing up WPLM w/nasty het 2253; loud w/military mx 2257 4/2. (Connelly, MA)
+3/31 2147 w/YL in II(?), fair, WMCS-1400 causing real problems! 2212 signal picked up to S9; much clearer but soft mod (EE) pgm, nx & propaganda. (Dunn, NS)
- 1394 AUSTRIA, Graz, mixing w/Albania 0428 12/27; on top almost definitely //1475 w/accordion mx. (Eckman, PA)
- 1394 UNID, 0501-0555 3/1 seemingly Albania & Togo trading places here. Albania w/E. European sounding language (tho WRTH lists GG) & Togo w/FF talker (WRTH 76 lists FF nx). (Lankford, TX)
- 1403 FRANCE, network good 1715, but Japan 1400 in 1725. (Ormandy, NZ)
- 1403 GUINEA, Conakry, fair w/talk, ripping up WIDE w/bad het 0038 & also fair 0444 6/12. (Connelly, MA)
+Good many evenings during generally dismal cx. Noted 9/19 2316-2330 w/xlnt sig & surprisingly good audio. Typical African drum beating mx & what appeared to be a fairly definite ID 2325, "Ici la voix de la revolucion...". Also noted w/xlnt sig 9/3 w/west African mx 0526-0602+. (Eckman, PA)

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 ● +Carrier here many Sept nights but audio was unreadable. 9/20 carrier was found 0540 but could find no trace by 0620. (Martin, CO)
- +First noted 11/25 0630-0658 fade. Lang seemed FF at times, vernacular at others. Lots of drum mx & some guitar. Mostly male talk, brief female talk. Sig S9+ at times. Also noted 11/26, 27, 29, 30, 12/1 & 3 every evening I checked. Never as good as 11/25. On 12/1 & 3 anthem-type mx 0600, then drums & singing. No positive ID hrd. This path is low relative to the auroral oval and should be viable all year. (Seaver, CA)
- +Tropical mx to good peaks o/SAH, fade before ID 0649 11/26. Suspected the one here w/chants 0626 11/27. (Connelly, MA)
- +Finally found audio on this one 0620-0629 11/27, a voice in FF but hard to say whether male or female, then mx on banjo-like instrument & vocalist in a wailing kind of song. This stn has been found here almost every night this fall, but w/audio too weak to be described. Country #66. (Martin, CO)
- +Presumed the one here 0155 11/28. Very strong sigs for a few minutes but tremendous splatter. (Stanbury, ON)
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 ● +11/29 0430 strong het against 1400. Bearing was 73° which checks perfectly; checked 0430-0645 but no audio. (Lobel, CA)
- +After 1 hour of listening to bongo-bongo mx, I'm convinced I had Conakry 0055-0155 11/30, fair w/QSB. One positive FF anmt in long periods of mx, native type, much drumming, repetitious, weird yelling & calls plus some native instrument. (Curtis, VT)
- +First noted as early as 0354 w/little audio. FF & African langs, male voice mostly. Drum mx, African singing, & some FF pop mx. Hrd nightly but this observation 12/4 till 0614. (Young, CA)
- +Xlnt sig, fair audio 12/10 0458-0605, drums across 0500, 0600, anthem mx 0601, then more drums. 12/11 0616-0702 best ever w/talk by OM in vernacular 0625, guitar mx 0645. No IDs hrd. Anyone have any idea when they consistently ID? (Seaver, CA)
- +Fair w/African vocals & drum accompaniment 2327 12/11, during predominantly low-latitude opening. (Connelly, MA)
- +Xlnt many nights in Dec as has been the case virtually all season except they have better audio now. Noted fadein 2004 12/14. Xlnt 0015 12/15 w/2 men in FF w/several mentions of "Guinee" & "Revolution". (Eckman, PA)
- +12/20 0527 the het was here again, coming & going. (Lobel, CA)
- +Up well w/native mx & man in FF 0410 12/23. The only high end TA w/readable audio 2311 12/29. Booming in w/varied African mx, then FF talk (nx) mentioning Conakry & Guinee, followed by talk resembling AA 0157-0206 12/31. (Connelly, MA)
- +Finally got audio on this one, the het is in nearly every night 1/3 0223 poor & fadey w/talk by man in FF. (Kramer, IL)
- +Nice het hrd 1/3 0530, no audio. (Davis, GA)
- +2204-2400 1/7 snatches of FF & native mx, poor, 2225 using some native lang. (Curtis, VT)
- +Probably the unid het on 1400 0555-0601 1/11. (Bytheway, WA)
- +Fair w/African mx & native talk (non-FF) 2218 1/24. (Connelly, MA)
- +1/27 0710 after countless appearances as a het was finally able to pull a little audio out of this one. Het arrived 0624, no audio until 0710 when OM in FF talk was hrd, then native mx. Het gone by 0705. (Korinek, CA)
- +1/28 0300-0535 het w/earsplitting volume & no audio. (Lobel, CA)
- +1/28 0350 FF, pgm of African mx was coming in well o/1400 stns //4915 SW. (McClenaghan, ON)
- +Poor & very fadey thru slop w/man in FF 0010 1/31. (Connelly, MA)
- +Fair w/African mx 0327 2/6. Very good 0647-0649 w/African mx & FF talk. Good w/talk 2132 2/6. (Connelly, MA)
- +0500-0507 1/17 fair w/weird drumming & yelling //4910 SW. (Falconer, ON)
- +Tribal chanting 0615 2/6 to commentary in unid lang 0620. Deep fades but in the clear on peaks. Also 0515 2/14 w/drums & wooden-xylophone sounding mx (764 het w/YSKL noted earlier). (Lankford, TX)
- +2/13 0607 FF(?) man talking between mx (guitar?) & drum beats. Audio very mushy, but 1st time audio hrd. (Davis, GA)

- +Powerful w/OC here 0031 2/18. Frequently runs carrier w/o audio (like St. Kitts-555) so the problem some DXers have noted of getting strong carrier but no audio may result from these OC periods. (Connelly, MA)
- For my money, this one has ousted Dakar-764 as the most often hrd TA. Not that it always gives audio, but that its het is quite dependable by 0500 or so & is in on some nights when Dakar can't be located. It became dependable for me 9/76 & has been spotted most nights since. (Martin, CO)
- +Fair through splash w/FF talk 0037 3/2; little else in the way of TAs on the high end of the band at this time. (Connelly, MA)
- +Carrier 0354 to as late as 0713, almost daily but strong 3/6 & little audio. FF pop mx & female voice. (Young, CA)
- +Poor-fair w/AA sounding inst mx dodging in & out of bad FFC-1400 slop 2255 4/2. (Connelly, MA)
- +Among the best high end TAs at very good level w/chants & talk 0500 4/15. Women talking atop prominent SAH 0431 4/17. (Connelly, MA)
- +Fair w/male vocal, violin accompaniment 0320 5/11. (Connelly, MA)
- +First & outstanding TA, amazing from 2145 daily, running AN through 0600, FF & vernacular. (Wood, St. Lucia)

- 1403 UNID, het against 1400 jumble, Conakry suspected, 2311 8/16. Few European TAs on high end at the time; most hets seemed to be Africans. (Connelly, MA)
- +Man in FF 0459 11/5. (Connelly, MA)
 - +11/26 0346 most likely Guinea as Randy Seaver logged it 11/25. Very good sig S6-7 but no audio. Still noticeable 0619. Looped at 44°. (Hanavan, CA)
 - +0045-0100 11/25 definite man in FF, slow talking, but just too weak. Frequently hear a carrier here. (Curtis, VT)

1412 UNID, violin mx o/SAH 2230 10/29. (Connelly, MA)

- 1421 WEST GERMANY, Saarbrucken, SR, good w/GG talk & rock mx 1514 10/9. (McGonagle, Scotland)
- +Poor-fair w/mush-style vocal mx 0625 11/27. (Connelly, MA)
 - +Light mx & anmts in GG 12/3 0456. (Young, CA)

- 1425 GREENLAND, Thule, AFRS, 9/19 0030 fair, but heavy splash from Saar-1421. (Hansen, Norway)
- Noted from 0752 11/8 w/carrier looping in a TA direction w/occasional audio...sort of c/w mx. Def EE 0758, faded up to fine ID, TC after filler mx, then CBS nx. (Hall-Patch, BC)
 - +Used as source of background mx while typing DXWW 0815-0905 11/8. Mostly soul mx w/some rr & occasional PSAs. CBS nx 0900. Good sig & perfectly readable on peaks, but occasional fades down to nothing. (Portzer, WA)
 - +11/8 1126-1134 up to S6, TC 1130 for 30 mins past 7 (fits GMT-4), then time tone, at 1134 a U.S. Savings bond PSA ("Take stock in America"). (Seaver, CA)
 - +Tantalizing me 11/22 1035 w/rock mx, 1100:10 "...R. & TV Service" as I tuned in 1104 w/talk. (Seaver, CA)
 - +Dreamily I hoped het here 11/29 1110-1150 would surface for Thule ID, but maybe in my next lifetime... (Kaskey, CA)

1430 DENMARK, Skive/Kobenhaven, fair in Danish 1516 10/9. (McGonagle, Scotland)

- 1439 LUXEMBOURG, Marnach, peaking up well w/fast-talking American accented DJ, then Stylistics-style soul record "Let's put it All Together" 0037 7/11. Faded later. (Connelly, MA)
- +Quite good w/rr 2358 9/1. Slop from 1440 was troublesome, of course, but the mech filters are usually able to pull readable audio from this one when it's in decently. (Eckman, PA)
 - +EE DJ pgm fair-good 0123 9/15. (Connelly, MA)
 - +Usually stronger in past seasons. This year it's really having problems. Anyone know why the poor performance? Pop mx, lots of commercials 2340 10/3. (Dunn, NS)
 - +Good w/R. Luxembourg ID 0100 10/10. (McGonagle, Scotland)
 - +Bulldozing 1440 w/Otis Redding song 2228 10/29. (Connelly, MA)

- +Very good w/rr mx, EE ancr 2305 11/5. Not noted later in the evening. (Eckman, PA)
- +Fair w/disco mx 0010 11/6; good peaks but deep fades. Apparent GG vocal fair-good 0447 11/5. (Connelly, MA)
- +Potent w/Muzak 0629 12/19. At good level w/"Isn't She Lovely" by Stevie Wonder, then EE DJ 0557 12/20. (Connelly, MA)
- +Good w/male seemingly in GG 0447 12/27. Very little domestic slop at the time. (Eckman, PA)
- +Fair-good w/"New Kid in Town" by Eagles, then EE talk 12/23. Fair w/man in GG 0452 12/30. (Connelly, MA)
- +1/23 0613-0630 OM & YL talk in hoch GG & short GG hymns. 0630-0700 OM preaching(?) in unkn GG dialect. Sig fair w/some QSB & occasional WHHY & WOOK slop. (Thomas, FL)
- +Fair-good at times 0238 3/5 w/rr mx, EE DJ easily splittable from 1440 domestics. (Eckman, PA)
- +3/31 2153 w/Elton John pop mx (EE). Heavy CFGO-1440 splatter. (Dunn, NS)
- +Noted w/strong carrier, EE sounding talk 0015 4/3. (Connelly, MA)
- 1439 UNID, 1/30 0615 faint het but impossible for me to separate w/loop. Luxembourg? (Davis, GA)
- 1457 ^t ALBANIA, Durrës, mx, possibly military or cl, bad slop (CKRB) 0305 6/18. (Connelly, MA)
- +Potent w/R. Peking relay 0400 9/1 & 2. "East is Red" IS noted 0401. This outlet has terribly weak audio for some reason in contrast w/the very good audio noted last year. (Eckman, PA)
- +R. Peking relay 10/10 0420 w/few notes of "Internationale". Country #22. (Newell, BC)
- +Slight QRM, FF rambling hrd often w/xlnt strength. Have taped s/on at 2200 10/11. (Dunn, NS)
- +Disgusting sig at times, xlnt w/FS in RR w/woman ancr 10/21 2245. (Dunn, NS)
- +Fair w/talk, possibly GG, 0410 10/24. (Connelly, MA)
- +In w/big sig, first just heavy OC, then trumpet IS 2227 10/29. Something else (possibly England) way under. (Connelly, MA)
- +Strong w/"East is Red" IS 0430 12/27. YL in unid language. (Eckman, PA)
- +Good but deeply fading w/man & woman in Slavic-sounding lang 0453 12/30. To good peaks w/talk by YL 0406 1/8. (Connelly, MA)
- +4/6 2200 in GG. (Wood, St. Lucia)
- 1457 ENGLAND, various, noted TT 0551 12/27. Short tones about 3 secs apart followed (very similar to Daventry-647 before s/on). Almost certain I hrd a "Radio 4" ID 0559. In any case British accented EE was audible 0601. WRTH lists only low powered outlets for R. 4 on this freq; perhaps a pwr increase? (Eckman, PA)
- 1457 UNID, fair carrier noted 0454 9/2. Durres probably ruled out due to LSR. Carrier also fair-good on 1546 at the same time, leading me to believe they were British. (Eckman, PA)
- +2138-2205 1/10 unid foreign lang, not FF/GG/PP/SS, all talk, 2200 sounds like nx. I suppose it's Albania. (Curtis, VT)
- 1466 MONACO, Monte Carlo, present w/fragmentary audio on car rx 2327 8/16. (Connelly, MA)
- +Like a local w/rigs mx 0450 8/18; only a trace by 0510 but 218 still strong at the time. (Nelson, MA)
- +This one has definitely changed its sked sometime since 5/76. S/on is now 0430 (15 mins earlier); noted 9/1, 9/2 at this time. Late night (i.e. SSS for us) sked also appears to have been changed as it was conspicuously absent at SSS 9/1-2 when other highbanders were xlnt. Perhaps an earlier s/off than previous 2400. Does anyone know its current sked? (Eckman, PA)
- +Noted w/IS being repeated & carrier cut 2330 9/11. Apparently they now s/off ½ hr earlier than in the past. Also noted w/strong sig w/rigs pgm 2310 9/17; off by 2330. (Eckman, PA)
- +Has been frequently strong at LSS recently. Easily audible on TRF (pushing 1460 & 1470 semi-GY messes out of the way) at 2305 9/13. (Connelly, MA)
- +Apparently doing strange things w/their sked. Noted signing

off 2400 10/1 after usual SS & AA pgms in the 2330-2400 period. Also noted s/on 0445 (their old time) w/GG rlgs pgm. Either power decrease or pattern change 0515 dropped them from good level to totally inaudible after end of GG pgm. (Eckman, PA)

+Like a local w/hymns in GG 0450 10/9. (Connelly, MA)

+2317 10/10 w/EE ID. (Klemp, CN)

+Hrd as early as 4:30 p.m. local time (approx 2 hrs before LSS); fantastic sig, S9+10 db! EE pgm, rlgs syndicated show 2237 10/11. (Dunn, NS)

+10/20 2039 GG programming. Peaks approx 1½ hrs later to a disgusting S9+20db. It's a tossup at this QTH as to whether 1466 or 1586 has the strongest TA signal. (Dunn, NS)

+Fair-good w/EE rlgs pgm 2004 10/23. (McGonagle, Iceland)

+Very loud w/EE rlgs female vocal "He Holds You in His Arms", followed by preacher in EE talking about the moral fail of modern civilization 2242 10/25. (Connelly, MA)

+Good w/apparent s/on: IS, GG ID & GG rlgs pgm 0445 11/5. (Connelly, MA)

+Very good 2051 11/5 w/typical rlgs pgm. Noted fadein 11/6 at 2040 but no audio till past 2100. Remained xlnt until 2400 s/off. (Eckman, PA)

+2302 11/6 rlgs pgm in EE poor. 2350 11/9 good in unid lang, talk or sermon. (Curtis, VT)

+Fair w/man in GG 2247 11/13. (Connelly, MA)

+2147 11/27 fair w/rlgs talk in EE. (Curtis, VT)

+Fair w/march-style rlgs choral mx 2145 11/26. Very fadey w/Muzak 0622 11/27. Booming in on TRF w/AA pgm 2351 12/1. (Connelly, MA)

+0057 11/28 fair & in unid lang, short series of mx tones before hour & time tone. (Curtis, VT)

+12/21 2015 disgusting sig S9+20 on "Scotch" HQ-180C. Heavy QRMS to WLAM-1470 w/GG rlgs pgm. Overwhelming signal. (Dunn, NS)

+Strong w/hymns in GG 0444 12/19; this was followed by man & woman in GG. (Connelly, MA)

+Xlnt w/IS 0442 12/27. GG rlgs pgm 0445-0515. (Eckman, PA)

+Good w/SS talk by man 2229 12/23. Good w/OC, then mx box IS 0440 12/23. Opening was low latitude enhanced; 1466 much better than 1586. Ultraloud, surpassed in the TA sweepstakes only by Dakar-764; AA pgm 2203 12/31. (Connelly, MA)

+Xlnt as usual, fading present but much less than noted on 1394; Muzak of a rlgs influence, then SS ID, trumpet fanfare, SS talk equalling adjacent domestics 2217 1/4. Fair in GG 0450 1/8. Good w/EE preacher, then another ancr gave addr in Hailsham, Sussex, England; then TWR ID followed by EE pgm, "Contact" 2304 -2306 1/10. At normal (good) level w/hymns, GG talk 0506 1/16. (Connelly, MA)

+2135 1/10 fair w/mx & rlgs talk in EE. (Curtis, VT)

+Fair w/talk by OM & YL 2247 1/21. Good w/choral mx, then GG talk, 0506 1/23. Loud, bulldozing WBNP w/talk by woman on car rx in Rockport 2100 1/23. The best European TA during disturbed cx, fair-good w/hymn 2217 1/24. (Connelly, MA)

+ "Bodacious" w/SS talk & orch mx, the best high-band TA 2345 1/26. Noted mostly as a het on car rx at Marblehead Harbour 2040 1/30. (Connelly, MA)

+1/28 0430 in II; George Harrison mx, then talk by OM & YL in II, more rr mx (this was probably R. Monte Carlo contrary to sked in WRTH), 0440 right into TWR IS, abrupt ID in GG 0445, then hymn. (McClenaghan, ON)

+1/28 0408 xlnt audio produced good 1 hr tape for me. II lang w/US rock & commentary. 0441 played IS, then into GG. (Davis, GA)

+Poor w/mx in bad slop 0638 2/6. At loud level during auroral cx; banging in w/hymns, GG talk, IS, single pip followed by carrier dropout 0512-0515 2/11. (Connelly, MA)

+Weak-fair w/EE talk at a time when few other high-end TAs were noted 2315 2/18. (Connelly, MA)

+Local-like sig w/rlgs pgm in AA 2355 3/4 w/man giving stn address. IS 2359 repeated several times & carrier off. (Eckman, PA)

+Booming in w/local mx on car rx at Rte 2/Nashoba Brook, Acton, MA 2355 2/27. Good w/"Trans World R. 205 meters" ID in EE 2300 3/3. (Connelly, MA)

+Fair w/rlds mx 2359 3/21. (Connelly, MA)
 +Xlnt w/rlds pgm in EE 2301 3/19. Also very good 0440 3/20 w/TWR IS & still potent 0515 s/off after end of GG pgm. Re McClenaghan's reception 1/28, it's likely that the II BC hrd was part of an ET. Monaco usually throws their carrier on around 0430, sometimes as early as 0400 & runs brief periods of TT until 0440 when the TWR IS begins. It's possible that a tape of R. Monte Carlo's II service was used as part of the ET (tho I've never hrd them do it); perhaps this was just an accident. In any event I don't believe they've changed their sked s/on as noted w/xlnt sig 0430-0515 3/17 w/TT, IS, & into GG pgm 0445. (Eckman, PA)
 +Fair w/operatic female vocal 2250 4/2. (Connelly, MA)
 +3/22 2050 truly oppressive sig severely QRMing WLAM-1470 - 20 db over S9 on HQ-180 in GG. (Dunn, NS)
 +Fair w/man in GG 0509 4/10. IS played once 0515 & carrier off. Interesting in that it was only European TA definitely hrd this AM in generally auroral cx. QRM from SS on 1463 perhaps Costa Rica. Getting pretty late in the season for Monte Carlo to be hrd so late. (Eckman, PA)
 +4/6 2200 EE sermon. (Wood, St. Lucia)
 +Peaking well w/rlds mx, but fading was fast & deep 2334 4/16. (Connelly, MA)
 +Very good w/AA talk 2352 4/22. (Connelly, MA)
 + "Back to the Bible" in EE 2130, eventual fadeout 2200 5/9. (Padula, Australia)
 +Very good w/pops EE/FF/SS 1410. (Ormandy, New Zealand)

1466 ● UNID, carrier noted poor 0512 3/6. (Hall-Patch, BC)

1475 AUSTRIA, Wien, quite good w/OC 0345 8/30, 9/1 & 2. Begins IS 0355 & s/on 0400 in GG. (Eckman, PA)
 +Quite good 0527 10/4 w/Austrian-German accordian mx. GG talk by OM followed. No problems from domestics. (Eckman, PA)
 +Unusually strong w/light mx 2330 10/10. Possibly another station underneath. (Eckman, PA)
 +Strong w/soft Muzak o/SAH 2226 10/29. (Connelly, MA)
 +Occasionally breaking o/1470 & 1480 slop w/mx, very fadey, 0443 12/19. (Connelly, MA)
 +12/21 2030 lots of splatter & QRM. Not strong but IDed on 1/2 hour w/3 note IS & GG language. (Dunn, NS)
 +Fair w/semi-cl mx o/low pitched growl of hets 2228 12/23. Good w/bouncy Alpine accordian mx, deep fades, 0458 12/30. (Connelly, MA)
 +Xlnt (better than 1466) 2235 12/26 w/male in GG. Noted better than 1586 0424 12/27 w/GG type mx. (Eckman, PA)
 +Strong w/US pop mx 2339 3/4 w/deep fades at times. (Eckman, PA)
 +Good at times 2307-2359 3/19 w/light mx, some pop. SAH bothering sig throughout period, perhaps Spain. (Eckman, PA)
 +4/1 2123 clear & solid Bisaberg sigs w/Kraftwerk instrumental mx. (Dunn, NS)
 +Fair atop channel w/IS 0356 4/9 w/several stns underneath producing a low growl. Unusual to hear this in generally poor TA cx. (Eckman, PA)
 +GG pgm 1827, some mornings till as late as 2201, as on 5/14. (Padula, Australia)

1475 BENIN, Conotou, L'office de Radiodiffusion et Television du Benin, or ORTB, has received a 20 kw MW xr from Germany. Current sked is 0515-0830, 1615-2300 weekdays; and 0600-2300 Saturdays & Sundays. (SCDX, 8/76)
 +10/20 2035 strong steady sig, was much weaker several weeks ago. Seems to be peaking. Def ID as hrd //4870 outlet. Male vernacular rambling. (Dunn, NS)
 +Believed to be the stn w/OC 0502 6/25. Ran TT till approx 0511 when a drumlike IS began. Drum & guitarlike instrument hrd 0514 but no speech discernable. Had a perfect W. African bearing. (Eckman, PA)

- 1475 SPAIN, unid stn here w/pop mx & YL ancr 0638 3/12; hrd several songs, fairly good sig & clear w/a low het in background. Went to 1502 for a quick check & when returned she was just cutting out of a record & into local market rpt or some such & said "R. Popular ----" but I did not catch it & tape was off too. Santander sked on then but just do not know who it was, really hurt to lose ID. (Foxworth, NY)
- 1475 UNID, stn here 0430-0530 various times 12/27 u/Wien. Slow SAH on Wien when this one faded up. Perhaps the Ukranian here as the Iberians weren't all that strong at this time. (Eckman, PA)
- 1484 ICELAND, Keflavik, AFRS xlnt (local) in EE w/FB game 2002 10/23. Noted in passing w/nx in EE 0405 10/24. (McGonagle, Iceland)
- 1484 SCOTLAND, synchronized outlets mixing at fair levels yielding SAH; pgm was FB match 1518 10/9. (McGonagle, Scotland)
- 1484 UNID, noted around 0356 9/1 & 9/2 w/fair carrier but no audio discernable. Many possibilities but Belgium appears most likely due to power & sked. (Eckman, PA)
+This one noted again w/good carrier around 0422 10/4. Still noted in around 0540. Likely possibilities include Liege, Belgium. (Eckman, PA)
- 1484 ^t UNITED KINGDOM, various, noted apparent TT 0551 12/27 at same time as 1457 was Tting. Several other stns underneath. (Eckman, PA)
- 1493 ^t FRANCE, Ajaccio, Corsica, 1493 usually QRMBound w/nothing dominant. Hrd FF commentary 2042 10/10. Tentative choice on channel Corsica. Will watch freq further. (Dunn, NS)
- 1493 ^t USSR, Leningrad, on a tip from Bill Bailey who's been hearing someone here during the early evening hours I checked 0014 8/21 & found a fair carrier on measured 1494.0004. Not enough sig for audio but an ambiguous DF for northern Europe which rules out Ivory Coast. Both the freq signature & DF suggest Leningrad but I understand the Soviet has been off the air lately w/technical problems. Will keep after it. (Nelson, MA)
- 1502 POLAND, Warsaw, hrd most evenings, best at approx 1 hr after ISS. 2015 hrd in Finnish(?), heavy QRM from WMEX-1510, bad overmod & excessive splatter, 10/10. (Dunn, NS)
+FS in GG s/on, hrd IS 10/21 2100. Usually not strong & battling WMEX-1510 audio spikes - do they run audio compression? (Dunn, NS)
+Slavic talk o/u SS mx, other stns audible in background 0619 11/27. (Connelly, MA)
- 1502 ^t +0708 12/23 w/talk by man, not Slavic sounding lang, more like a Romance lang; fairly readable at peaks, but just too much QRM de 1500 to get anything positive. Nothing else likely, even tho some light on this path. Great European night for MW & SW. (McNeil, DC)
+Xlnt w/familiar piano IS 0530 23/27, then pgm in GG. Noted IS again 0600 but being chewed up by other stns (likely SS) at this time. (Eckman, PA)
+3/22 2200 hrd IS mx rptd on endless loop tape. S/off w/pgm in II or SS, hard to tell. WTOP-1500 splatter. (Dunn, NS)
+FS 4/1 2130 s/off & IS hrd, NA, etc... Due to QRM & WMEX splatter signal was marginal. (Dunn, NS)
- 1502 SPAIN, one of the SS stns here believed to be the one w/strong OC 0413 8/30. Don't believe there was any audio on at this time. (Eckman, PA)
- 1502 UNID, EE rock show, sounded like BBC, poor-fair 0045 7/11. (Connelly, MA)

- 1511 EAST GERMANY, Berlin, lots of QRM on 1511 not to mention WMEX "w/much more mx". Difficult to copy but choral group or church(?) mx w/GG male ancr 10/23 2150. (Dunn, NS)
- 1511 UNID, Belgium or East Germany present as a carrier at noise level 1520 10/9. (McGonagle, Scotland)
- 1525 CHINA, Urumqi, quite good 0000 11/6 w/"East is Red" IS & RR ID "Govorit Pekin". Noted to past 0030 w/RR pgm & some CC mx 0025. First def logging for me this season & first time hrd in quiet rather than disturbed geomagnetic cx for me. (Eckman, PA)
- +12/2 2315-2345. Too much adjacent slop to read audio but PFMed as 152014.9 Hz+0.2Hz. Also noted SAH of about 7 Hz but unable to PFM carrier. May be same pair as noted from Philippines in 1973. (Taylor, IN)
 - +Hrd again poor-fair w/"East is Red" chime IS 0000-00001 11/20. Audible on peaks for the next ½ hr when it apparently faded out. Severe WKBW/WCKY splash. (Eckman, PA)
 - +I check every night at LSS. 12/10 most promising to date 2105, S5½ quick flutter, very weak. WKBW-1520 QRM, male voice; taped for 20 mins, played repeatedly w/various audio filtering but nothing definite. (Dunn, NS)
 - +Logged w/very good sig 2230-2254 1/11 & around 2300 1/12 w/poor-fair sig. 1/11 had female ancr talking continuously til 2254 when "Internationale" was played. Apparently back on at 2300 but no audio discernable as there was a strong het on the sig(not Costa Rica which was easily separable from them a few hundred Hz below 1525). "East is Red" IS piercing thru horrendous WKBW splash 2300 1/12. (Eckman, PA)
 - +Finally w/fair sig w/lots of fluttering & deep fading at times 2300-2325+ 1/28. "East is Red" IS 2300-2302, into talk by man & woman in unid lang. (Falconer, ON)
 - 4/1 2230, my first "East is Red" chimes on tape. North and/or polar path quite good lately, i.e. Sweden-1178 w/xlnt sigs, best all season. This occurrence is contrary to my propagation plan! (Dunn, NS)
 - +Noted weak 2235 w/fast polar flutter. Fair 2300 w/"East is Red" IS discernable through WKBW/WCKY slop. Gone soon afterwards & not noted at 0000 check of freq. (Eckman, PA)
- 1525 UNID, 10/22 about 50 mins before LSS, carrier noted w/quick flutter, weak, no audio. 10/23 about the same cx, brief fluttering carrier several times in a 10 min period. Same 10/24. 10/25 again at approx 2000 (LSS approx 2050); stronger periods of fluttering carrier w/faint audio noted. (Dunn, NS)
- 1529 VATICAN CITY, Vatican R., poor w/cl mx, 2 low hets present as well as het from 1530 0055 7/11. (Connelly, MA)
- +Finally bagged w/celeste IS confirmed per WRTH 0027 10/5. Must be using higher power this season. (Schatz, FL)
 - +Fair w/prayers in Latin 2000 10/23. (McGonagle, Iceland)
 - +Hrd almost every sunset, usually not strong but clear until WCKY LSS. Then WCKY starts to QRM. 2239 10/11 Italian w/semi-cl mx. (Dunn, NS)
 - +Strong w/cl mx & semi-cl orchestral mx killing WCKY 2322 10/26. (Connelly, MA)
 - +Potent w/light mx 2213 11/5 easily separable from 1530 slop. (Eckman, PA)
 - +Best high-band TA: woman in EE good 0107 11/16. (Connelly, MA)
 - +Fair w/talk 2139 11/25. (Connelly, MA)
 - +Way atop weak WCKY het, continuous tolling of bells 0617 12/19. (Connelly, MA)
 - +12/21 2000 II talk, weak but audible w/little 1540 QRM. (Dunn, NS)
 - +12/27 0645 hrd fair sig of what was definitely a Catholic mass in Latin. Fadeout 0700 w/some QRM. (Thomas, FL)
 - +Good w/Muzak despite WPTR buckshot 2227 12/23. (Connelly, MA)
 - +3/22 2202 usual strong dominant sig w/II or SS & semi-cl.

3/31 FS strong w/ID & IS. One of the season's most consistent signals. (Dunn, NS)
-ID 1830, then into Hungarian rlgx nx 5/12. (Padula, Australia)
+Good in Albanian 1345. (Ormandy, New Zealand)

- 1538 WEST GERMANY, Mainflingen, DLF, fair w/GG talk 0307 6/18.
(Connelly, MA)
+Poor w/carrier 0259 6/26. (Eckman, PA)
+Fair w/OM & YL in GG, WPTR nulled 0100 7/11. (Connelly, MA)
+Good in GG 1522 10/9. (McGonagle, Scotland)
+Xlnt, equalling adjacent WPTR w/light jazz 0442 12/19.
(Connelly, MA)
+Man in GG fair, slopped by WPTR, 0500 12/30. (Connelly, MA)
- 1546 ENGLAND, one of the British stns noted Tting 0448 10/4 w/potent sig, tho w/deep fades. Apparent s/on 0500. Noted w/definite British EE 0515 interspersed w/light mx 0500-0530. "Rhinestone Cowboy" noted clearly 0520 but anmt after song had muddy audio. No positive ID. (Eckman, PA)
+Several IBA locals here w/mix of audios & rock mx 1524 10/9.
(McGonagle, Scotland)
+Someone good w/light mx; ancr in EE 2248 11/6. Still no positive ID however. (Eckman, PA)
- 1546 ENGLAND, London, Capital R., hrd 3/21 w/Hancock Half Hour comedy excerpt show, pop mx & phone-in good-fair. (Baker, S.Africa)
- 1546 t UKRAINE, Vinnitsa, hrd several times but weak & no pgm details resulting. RR lang (presumably Ukranian) on freq 2150 10/3 - poor sig soon faded. Will watch for further results. (Dunn, NS)
+Good w/OM possibly in EE 2244 10/10. At 2300 noted an IS (not Moscow FS) which sounded definitely RR followed by YL in unid lang. Another stn also mixing in at times. (Eckman, PA)
+3/22 2148 woman in RR followed by mx - very MoR! Weak, hrd before w/better signal. (Dunn, NS)
+R. Moscow IS, definite ID at s/on 2230 10/21. Have on tape. Weak but usually audible FS pgm content. (Dunn, NS)
+4/1 2130 weak but clear, R. Moscow chimes (FS), EE s/on w/woman & man alternating. (Dunn, NS)
- 1546 UNID, possibly England, carrier, fragmentary audio 2222 10/29.
(Connelly, MA)
+0705 12/23 light mx & seemed EE talk by OM, occasional QRM de testing WNTN, hrd past 0726, probably IBA London. (McNeil, DC)
+2 stns here 2232 12/26. One w/light mx, other w/female in EE. Likely possibilities include England & Vinnitsa. (Eckman, PA)
+0650-0703 1/5 bits of MoR sounding mx, time pips 0700 (5 short, 1 long), into nx in unid language. (Falconer, ON)
+Maybe Ukraine, opera noted weak 2248 1/21. (Connelly, MA)
- 1554 FRANCE, Nice, fair 0306 6/25 w/OM in FF & again at good level 0325 6/26 w/mx. Faded out approx 0400 both days. (Eckman, PA)
+Fair w/FF nx, high sided het present 0302 6/18. (Connelly, MA)
+Xlnt w/vocals & fast FF talk, jazz & disco-oriented show 0315. Maxine Nightengale record 0318 6/28. Best TA at the time.
(Connelly, MA)
+Poor-fair & very fadey 0220 8/4. (Connelly, MA)
+Nice xlnt w/light mx 0359-0450 9/1. Unusually strong audio -- perfectly readable. Also in at same time 9/2 though not as good. (Eckman, PA)
+Good w/man & woman in FF 0305 9/14. (Connelly, MA)
+0308 9/15 FF chatter poor though fairly clear. (Newell, BC)
+Apparently not on evening of 10/3 when other highbanders were xlnt. Strangely enough noted 0516 10/4 in AA w/AA mx which was //1376 Lille Fr. Culture stn. This outlet apparently swapped networks w/1349. (Eckman, PA)
+Always hrd. My yardstick (next to 1586) to TA performance for the evening. **STRONG!** male FF commentary on something 2007 10/10. (Dunn, NS)
+11/22 in & out 0617 w/femme ancr in FF & pop mx; this & 1376 were only TAs w/audio 11/22. (Forth, IL)

- +Good w/man in FF, pwr now down to 100 kw per MWN 0646 11/26.
Fair-good w/man in FF; sig noticeably weaker since pwr dropped
0618 11/27. (Connelly, MA)
- +Weak audio all evening 0400 12/3. (Manning, CA)
- +FF mx & anmts 0418, lively mx 0426 //164 12/4. (Young, CA)
- +Fair-good w/man & woman in FF 0618 12/19. (Connelly, MA)
- +1752 12/21 sig finally built up to readable level, male FF w/
MoR mx. Very early reception (1:52 pm local). (Dunn, NS)
- +0703 12/23 booming in w/FF nx by woman; don't know whether you
have hrd this recently but here's some info on this stn from
EBU via Bernd Trutenau via DSWCI: then nets A & B carried by R.
France at Nice were exchanged, 1349 now net A, now 300 kw; 1554
now net B, now 100 kw. (McNeil, DC)
- +Good w/OC prior to 0430 s/on 0425 12/27. Fast SAH noted as
well. Judging from good eastern European reception, the other
stn may have been Kaunas, tho no def ID noted. (Eckman, PA)
- +Good w/OM in FF 0700 1/17. (Curtis, VT)
- +Fair w/AA female vocal 0502 12/30. (Connelly, MA)
- +1/30 0640 FF w/big band type mx. Female ancr, very mushy aud-
io, & fading badly. (Davis, GA)
- +Poor-fair w/man & woman talking, not sure of language 0512
2/11. (Connelly, MA)
- +Poor-fair w/woman in FF 0614 3/5. (Connelly, MA)
- +FF talk good 3/2 0607. FF very expressive as tho telling
story. At 0615 mx w/YL & OM alternating talk w/brief interval
mx between items, 3 note hi-lo-hi. Stronger than 1586 at
times. (Curtis, VT)
- +Xlnt w/man in unid lang 0435 3/17. Contrary to WRTH, this &
presumably all other French Culture stns s/on 0430 & not at
listed 0458. (Eckman, PA)
- +Fair w/talk 0446 3/28. (Connelly, MA)
- +Presumably the one w/strong sig 0324-0400+ 4/9 w/foreign lang
pgm. Unusual in that this is supposed to s/on an hour later
(0430). Have they changed sked recently? (Eckman, PA)
- +Very good w/nx 1130. (Ormandy, New Zealand)
- 1554 t GABON, Libreville, someone turned on their carrier 0425 6/25 &
proceeded to run a TT thru to at least 0429 but I was unable to
get an ID due to CBE-1550 splash. Carrier remained in past
0500 & had a good W. African bearing. Neither 1475 nor 1554
were in on 6/26. (Eckman, PA)
- 1554 UNID, definitely 2 carriers present, man talking, then soft
mx (harp), fast SAH (approx 8 Hz), poor overall copy 2220
10/29. (Connelly, MA)
- 1562 INTERNATIONAL WATERS, R. Mi Amigo, DD talk & pop mx (including
Earth; Wind, & Fire song) o/u stn w/orch mx presumed to be Sar-
nen; WQXR off so reception was easy on TRF 0610 12/19.
(Connelly, MA)
- +0703 12/23 w/pop tune, then man in DD for 4 or 5 words, then
back to song & fadeout. Weak. (McNeil, DC)
- +Het there until KKAA s/off, then in alone fair-poor w/pop mx &
talk in DD that sounded like spots 1/5 0645-0724. (Kramer, IL)
- +1/7 0620 good w/pop mx, jx, DD talk & ads. (Forth, IL)
- +Since 12/11 R. Mi Amigo is on this freq in DD. Apparently this
is the former R. Caroline 50 kw xr. QTH is P.O. Box 155, Playa
de Aro, Provincie Gerona, Spain. R. Caroline may try 962 kHz,
tho nothing is definite w/the 10 kw xr. The new address for
Caroline is: Rosas, Provincie Gerona, Spain. (McNeil, DC)
- +To good peaks atop low growl; "Hear the Band" by Seals & Crofts
& then "Nights in White Satin" by Moody Blues 0613 3/5.
(Connelly, MA)
- +Also see 1187 and 953 listings - ed
- 1562 SWITZERLAND, Sarnen, strong 0455 9/1 & 2 w/IS, 6 pips at 0500,
Then ID in GG. In well despite most other TAs fade out due to
LSR at this time. (Eckman, PA)
- +Quite good 0459 10/4 w/IS & ID. Bothered by unid TT on 1560
around 0515 tho otherwise quite strong w/light mx. (Eckman, PA)
- +Fair w/man in GG 0503 12/30. (Connelly, MA)

- 1562 **UNID**, maybe something new here for found a strong het against 1560 stns as late as 0635-0650 1/29 & the vernier found it to be exactly 1562 from NE. Taped some audio fragments but can't really classify them. This sig was stronger than 1586 & 1554 at the time. Have tried for years to hear Switzerland on this freq & never hrd a peep from them. (Martin, CO)
- 1570 **MALTA**, Cyclops, Deutsche Welle, very good TT 1400. (Ormandy, NZ)
- 1575 **SHARJAH**, very good w/AA mx 1413. (Ormandy, New Zealand)
- 1578 **ITALY**, Genoa, to good peaks w/def II talk by man, mx way u/ presumed to be the PP stn, weak 1580 LA het also noted 0609 12/19. (Connelly, MA)
 +II talk & guitar mx & was dominant from 0654, II talk again 0658; weak o/u Portugal, but put in a decent sig on peaks. (McNeil, DC)
- 1578 **PORTUGAL**, Porto, fair w/T. Rex style rock, then man & woman in PP, slop from ultrawide superpest CKLM 0540 11/6. (Connelly, MA)
 +12/21 1746 mx rr, PP lang pop mx. Noted because of early reception (1:46 pm local time). (Dunn, NS)
 +0649 on top of Genoa w/light mx, PP talk, then went down & Genoa faded up. (McNeil, DC)
- 1578 **UNID**, Italy or Portugal, QRM on channel, mx & anmts, usually nothing is dominant here 2100 10/13. (Dunn, NS)
 +Het, prob Portugal 1/5 0630, loop almost due east, a little north. (Kramer, IL)
- 1586 **WEST GERMANY**, Langenberg, WDR, xlnt, best TA, noted w/up tempo male GG vocal 0256 6/18. (Connelly, MA)
 +Fair 0305 6/25 & again 0257 6/26 w/man speaking in GG. Germans faded out at about 0320 both days. (Eckman, PA)
 +Good peaking at S9+10db, man in GG w/nx 0103 7/11. (Connelly, MA)
 +Good w/GG vocal 0320 8/2. Fair w/symphonic mx 0450 8/6. (Connelly, MA)
 +Very strong w/nx 0001 9/2. Quickly went downhill a few mins afterwards. Good again 0412 9/2 w/light mx. Fair w/light mx 0221 9/5. Very good w/Beach Boys song 0319 9/11. Noted again w/xlnt sig 0406 9/12. (Eckman, PA)
 +Thrashing WQQW w/bodacious het 0230 9/25. (Connelly, MA)
 +Xlnt w/cl mx 0511 10/3. Also xlnt 0403 10/4 //1602 (also at local level) w/light mx, GG talk. IS noted 0455-0500 followed by nxcast. (Eckman, PA)
 +Very good w/GG talk & big band jazz 1530 10/9. (McGonagle, Scotland)
 +Extremely strong like a local 10/10 0100. (McGonagle, Iceland)
 +Always there - from as early as 4:30 local time & still there 10:30-11 pm local time. My yardstick to nightly cx, disgustingly strong 1940 S7, GG mx, pop starting to peak slowly 10/10. (Dunn, NS)
 +Poor w/man & woman in GG 0413 10/23, QRM de WQQW. Good w/big-band jazz, considerable selective QSB 0510 10/24. (Connelly, MA)
 +Fair w/GG mx 0428 10/24. (McGonagle, Iceland)
 +Very good w/electronic mx w/piano & saxophone accompaniment of a dissonant modern classical style; rolling fades of a SAH regularity 2213 10/29. 1602 in as a het at the time. (Connelly, MA)
 +Good w/jazzy inst version of "You Are the Sunshine of My Life" 0542 11/6. Munchen-1602 was also in at the time, primarily just a het on local WUNR. (Connelly, MA)
 +Fair, considerable QSB; male vocal here 0150 1120. Xlnt copy (although sig level not exceptional) w/1580 & 1590 virtually vacant; booming in w/light jazz, GG talk, & inst version of Mama Cass song "It's Getting Better" 0530-0535 11/22. (Connelly, MA)
 +Xlnt w/GG vocal mx 0623-0640 11/21. Not //1602 which was also potent at this time. (Eckman, PA)
 +Xlnt w/light jazz 0645 11/26. Strong w/GG vocal version of "Greensleeves" 0615 11/27. (Connelly, MA)
 +Fair w/jazz 0530 12/1. (Connelly, MA)

- +Slight detection of audio on carrier 0305 12/4. (Young, CA)
- +Extremely loud w/man in GG //1602 w/road rpt mentioning snow & ice in some areas 0438 12/19. Like a local w/march mx, man in GG 0608 12/19. Still crashing in 0627 w/live performance of GG vocal mx. (Connelly, MA)
- +1738 12/21 100% copy, weak, GG talk (male) only noted because of earliest opening this season 1:38 p.m. local time. (Dunn, NS)
- +In good, almost overriding the WAKR slop w/talk in GG & mx 1/5 0630. (Kramer, IL)
- +0643 12/23 "I'm Dreaming of a White Christmas" on check, also 0700 7 or 8 bells IS 3 times, 4 pips, OM w/TC & ID. Very good sigs, better than 1590 most of the time & was still booming in at 0736. (McNeil, DC)
- +At local level w/some US pop mx 0616 12/27. (Eckman, PA)
- +Fair w/mush mx, male GG vocal 2223 12/23. Xlnt w/light GG pop vocals 12/30. (Connelly, MA)
- +1/7 0640 xlnt w/MoR & inst mx, GG talk by YL, this & hets for other TAs have come in best after 0500 or so recently. (Forth, IL)
- +Fair-good w/GG talk 0401 1/8. (Connelly, MA)
- +0702-0732 1/17 OM & YL alternating in GG followed by xlnt GG mx. So good just had to put it on old 1935 Philco. It sounded great! (Curtis, VT)
- +1/24 GG talk 0505-0510, then GG bierhaus mx til 0517+. Good sig, no QSB/QRM. (Thomas, FL)
- +Good for 5 mins w/man speaking in GG 0509-0515, then OM & YL sang in GG (a duet). Lost 0522 due to bad electrical line noise from transformer in front of house. (Wheeler, PA)
- +1/24 0553 outstanding sig w/marches, IS for 5 mins, ID, nx, etc all on tape for my first real-live TA! Hrd again 1/30 0650 w/fantastic +5db sig. Was down to nothing by 0720. Talk about listening to the sun come up! (Davis, GA)
- +Good w/cl mx 0635 2/6. (Connelly, MA)
- +Fair-good but fadey w/brassy Muzak 0511 2/11. (Connelly, MA)
- +Fair overall copy, relatively weak sig but no QRM, noted w/female MoR vocal 0024 2/18. (Connelly, MA)
- +Good w/EE female vocal of "Memories Are Made of This", then woman in GG 0135 2/23. (Connelly, MA)
- +Local-like sig 0612 2/27 w/GG-type mx. Also potent 0445 3/5 w/light mx. (Eckman, PA)
- +Fair w/GG talk by OM 0610 3/2. At 0620 playing dreamy inst mx. How come? Not the usual GG band mx for driving along Autobahn. (Curtis, VT)
- +Very good w/GG nx about eastern European countries, then uptempo Muzak 0610 3/5. Good w/rock-influenced instrumentals 0345 3/7. (Connelly, MA)
- +Strong w/nx by man 2300 3/19. Usually not in this well at sunset this location. (Eckman, PA)
- +Fair-good w/uptempo big-band mx 0445 3/28. (Connelly, MA)
- +Blasting in w/slow female GG vocal 0411 4/17. (Connelly, MA)
- +Noted w/male vocal, poor-fair w/severe fading 2355 4/22. (Connelly, MA)
- +Good nightly from 2200. (Wood, St. Lucia)
- +Poor/fadey w/male vocal 0042 6/12. (Connelly, MA)

1586 UNID, 2 sigs here 0610 3/14, a 50 Hz het u/WDR & smudge of unreadable audio. Have never hrd a het here before. (Foxworth, NY)

1594 PORTUGAL, Lisboa, pop mx, male ancr, weak & usually nothing dominant on this channel 2055 10/13. (Dunn, NS)

1594 UNID, at least 2 stns here jumbled up w/resultant SAH 0439 12/27. (Eckman, PA)

1602 WEST GERMANY, Munchen, BR, fair in WUNR slop w/female vocal of "Here, There, Everywhere" 0253 6/18. (Connelly, MA)

+Good carrier when checked 0256 6/26. No audio. (Eckman, PA)

+Fair in 1600 slop, GG nx rpt, not sure if //1586 7/11. (Connelly, MA)

+Now 370 kw day & night. (MWN, 9/76)

+Strong w/nx by OM 0001 9/2. Also soon faded shortly after-

wards. (Eckman, PA)

+Always there - always strong. Usually only slightly weaker than 1586. GG male commentary 1950 10/10. (Dunn, NS)

+Fair w/GG talk, not //1586 0614 11/27. (Connelly, MA)

+Light mx here 0306, male voice in GG 0307 12/4. (Young, CA)

+Totally steamrolling 1600 domestics w/GG road cx rpt //1586 0439 12/19. (Connelly, MA)

+1738 12/21 xlnt sig, weak but clear copy, no static, heavy rain at time. Choral mx. (Dunn, NS)

+Xlnt w/IS being repeated 0427 12/27. Not //1586 at the time. (Eckman, PA)

+0638 Xmas song in EE, GG DJ w/talk about the Neue Jahre, into orch mx & light Xmas tunes; pretty decent sigs, way o/locals on 1600 12/23. (McNeil, DC)

+Strong w/male in GG 0408 2/26. WDR-1586 only poor-fair this time. (Eckman, PA)

+Strong w/man in GG 0334 3/20. (Eckman, PA)

+Loud on car rx in Burlington Moors (near WRKO xr site), man-
gling WUNR 0430 3/27. (Connelly, MA)

+3/22 2045 clear for a change w/little 1600 QRM. GG rambling sounded like nx. (Dunn, NS)

+3/31 2125 usual hot sig, for late in the season it's surpris-
ingly strong & consistent (same w/1586 & 1466). Piano recital (Dunn, NS)

+Good w/GG talk by man, then Muzak 0405 4/17. (Connelly, MA)

+Sports rpt 1420. (Ormandy, New Zealand)

1602 UNID, very weak carrier 0514 3/6. Nothing noted on 1586, however. (Hall-Patch, BC)

ANGOLA. UNITA, the defeated, pro-western movement, has purchased high-power equipment for its own station, but it is not known when they will be on the air nor from what location. (MWN, 3/76)

R. Nacional de Angola is currently active on 1367 & 1088. Emissora Catolica is the new name for Radio Ecclesia (944 kHz). All former private stations now identify as "Estacio Regional..." & belong to R. Nacional, but program locally. (SCDX, 8/76)

R. Nacional de Angola has reactivated its 701 kHz xr, although announced as 702 kHz. The outlet is //1088 & 1232 0500-2400. FF is scheduled daily 1130-1155. (SCDX, 8/76)

BOPHUTHA-TSWANA. This homeland is to become a republic 12/6/77. A new capital is to be built on the outskirts of Mafeking & will be called Mmabatho. The territory covers mostly non-geographically linked areas of the W. Transvaal & N.E. Cape Province of S. Africa. Bophutha-Tswana will probably have its own radio station. (SCDX, 2/77)

BOTSWANA. R. Botswana, Gaborone, has been noted on 971 at about 1405 w/nx in EE followed by mx. At about 1415, sig is suddenly cut until about 1440 when IS is played until 1500 when pgms commence. This procedure has been noted Mon-Thurs only. WRTH lists operation Mon-Thurs 1500-2000, Fri-Sun 0400-2100. (It appears that the xr technicians are taking modulation from SW for a brief ET - ed). Has been hrd as early as 1340 w/a play on weekdays w/good sig. (Baker, S. Africa, 6/76)

CHANNEL ISLANDS. The Jersey & Guernsey BCing Committee met recently to try to find a common ground on which to release a recommendation for operation of a local radio stn. It seems that one stn will serve both main islands &, in addition, a decision will have to be made whether to have a commercial radio of the BBC. (MWN, 12/76)

CLANDESTINE. The Voice of Cyprus has nx in EE 1000-1010 on 764 kHz. The xr is probably not on Cyprus. No QRA given. Very strong. (SCDX, 6/76) The Voice of Cyprus, believe to be located in Anamur, Turkey, has moved to 755. BC's in Greek, EE, & Turkish 0330-0600, 0800-1100, & 1400-1600. (SCDX, 8/76)

COMORO ISLANDS. The island of Mayotte, remaining French Territory while the other islands become independent, begins its own BCing service 1/1/77 w/4kw on 557, 1420 or 1457 kHz in FF & Corian 0300-1830. (SCDX, 11/76)

DIEGO GARCIA. According to a verie, American Forces Garcia Radio is operating on reduced pwr of 100w, 24 hrs. (SCDX, 3/76)

EGYPT. The Palestine Liberation Organization has been regranted air time since 7/1/76 on Egyptian radio. Currently BCs 1000-1100 on 1106 & 1700-1830 on 872 kHz. (SCDX, 9/76)

Koran R. has been on the air for several years. It is presently carried 0110-0800 & 1200-2100 on 1159, 1340...kHz. Koran R. does not bear a missionary character, does not try to convert, and does not address itself to non-believers. Its format is designed to provide rlgms pgms, rlgms background material, etc., particularly to outlying rural districts as well as to a general Islamic audience. (SCDX, 10/76)

ETHIOPIA. The Ethiopian military government has nationalized the Radio Voice of the Gospel, belonging to the Lutheran World Federation, on 3/12/77. The stn is now controlled by the Ethiopian Ministry of Information. Its new name is R. Voice of Revolutionary Ethiopia". There will be xmsns in Amharic, AA, EE, & FF on BCB (989 kHz). (SCDX, 3/77)

FAROE ISLANDS. Building of a new BCing house will soon commence. Later, there will be a new 200kw xr on 531, replacing the old 5kw outlet on 584. (SCDX, 3/77)

FRANCE. Changes: Nice to 1349 from 1554; Lille, Nancy, Toulouse to 1070, 1349, & 1160 from 1241; Marseilles & Nancy to 1241 & 1554 from 1349; Nice 1349 now 300 kw; 1554 now 100 kw. (Distance, MWN, 11/76)

GREECE. Athens-980 200kw, ex-1142; Iraklion-953 ex-980; Joannina-1142, ex 953. (MWN, 9/76)

HOLLAND. Holland has allocated 2 extra freqs, 1395 & 173, sharing w/Belgium. R. Nederland may use the freqs in the evenings. SCDX says that on 5/1/76 R. STAD on R. Amsterdam opened on 1250 1600-1800. Midday pgms are due; Distance gives addr as Luykenstraat, 38, Amsterdam. (MWN)

INDIA. Via MWAKI: new AIR Darbhango-1160 10kw; Madras-1150 ex-1420; Pondicherry-1060 ex-750. New AIR on 1100, Rahtak Harayua state. (MWN, 9/76)

INTERNATIONAL WATERS. R. Gnome has been hrd on 225 mtrs (i.e. 1330 kHz or vicinity - ed). Addr: R. Gnome, P.O. Box 49, Aberdeen, Scotland. (SCDX, 3/76)

Voice of Peace is on 1540 kHz w/50 kw & is on a 24 hr sked. Is a non-profit stn dedicated to fostering a closer understanding between Arabs & Israelis & to furthering the cause of Peace in the Middle East. Income is derived from advertising & excess profits are donated to charities whose aim is the promotion of peaceful coexistence. Addr is The Voice of Peace, Postbox 4399, Tel Aviv, Israel. (Cushen, MWN)

R. Caroline put a 10kw xr on 1562 kHz. From 5/15, R. Caroline broadcasted in EE 24 hrs on 1562 w/album mx w/1187 // 1800-0500. At 0500-1800, 1187 broadcasted the Dutch/Flemish pgms of R. Mi Amigo. (SCDX)

R. Caroline tested a new 962 kHz outlet during early hours, while 192 mtr service is silent. On 11/17, both 259 & 192 mtrs were silent for over an hr while testing a new 312 mtr xr during daylight 1305-1400. Mebo II remains at Slikerveer harbour, near Rotterdam, where it has been for over 2 years. Mebo Ltd. in Switzerland claims that they have sold Mebo II. Mebo II must leave Holland by 12/12/76. (SCDX, 11/76)

On 12/10 R. Mi Amigo & R. Caroline changed channels. R. Mi Amigo now BCs in DD on 1562, w/1800 s/off. R. Caroline now 24 hr on 1187. (SCDX, 12/76) Both Mebo II & I have anchored off the Libyan coast & began BCing 3/1. According to the magazine Wavelength, the stn will be called "The Peoples Revolutionary Radio". The ship Mebo II is still owned by Mebo Ltd of Zurich & is on hire to Pres. Kadafi for 2 years. Part of the hire agreement is the supervision & installation of a land-based xr stn & the training of Libyan staff by the Mebo's Swiss owners Meister & Billier. The Mebo II has one 105kw MW xr on board & also 2 ex-R. Veronica xrs. (SCDX, 12/76)

IRAN. Arbadil-1340 moved to 1313 kHz. (Distance, MWN, 1/77)

ISLE OF MAN. Home office gave permission to Manx R. to use 10kw during race commentaries but no indication was given whether pwr would be used for full BCing or just commenatries. (MWN, 6/76)

ITALY. Venice-773 is not yet on. Venice 2 (1034) & Bari 2 (1115) are now on. Regional Service on Net 4 freqs in WRTH are quoted as Italy wishes to use these freqs, but there are no plans for use at present. (MWN, 3/76) Free BCing is legal in Italy now. On 6/25/76, the constitutional court ruled that private radio stns can freely operate all o/Italy u/the following cx: 1) xrs should have a local target only, such as a province or city; 2) they must not interfere w/the official BCing Co., RAI, or w/ other services; 3) a law will have to rule on how the authorization shall work in actual practice. The government is expected to prepare a bill in the coming months. In the meantime the private stns will continue to operate. In Roma only there are nearly 30 stns (all FM), including one w/ all-EE pgmning. (SCDX, 7/76)

There are about 450 private stns now operating in Italy, all FM except R. Fruili-1000 in Udine & R. Ricarca Aperta-1196 in Bologna, both 250w. In the event anyone's forgotten, Italy for well o/a year has been w/o any law governing BCing operations or licensing. (SWNS, 7/76)

La R. Ricera Aperta in Bologna is the first Italian private stn on MW, & began on 1196 & now moved to 1205. R. Gama, Milan tested on 1615. On 6/25 the Italian Constitutional Court ruled that private local radio & TV are legal. Monopoly of RAI-TV will survive for national BCing. There are now 600 locals on FM. A law is now expected to cover such matters as freq allocation, xr pwr, equipment stds, public access, etc. Tests also on MW from Udine (1000 kHz), Catania, Fiorenz. & Riccione. (MWN, 9/76) New stns are 539 Cagliari 17kw, Bolzano 8kw, Catania 4kw; 652 Bari 30kw, Pisa 20kw, Ancena, Aosta, & Bolzano 4kw. Roma-710 is 20kw, Naples-773 is 20kw, Reggio-800 is 4 kw. (MWN)

LEBANON. Four separate networks are being operated by the contending factions in the civil war. The govt operated Beirut-836, 0400-1600, AA only; the military Governor General Ahdab & his forces have captured & activated the 10 kw standby xr on 836 (interfering w/the govt xr) & the xr on 989. This stn has nx in FF 0530, 1130 & 1730; otherwise in AA. There is also a V. of Christian Lebanon on an unkn freq & the V. of Palestine on 1515 at 1700-1900 in AA. (SCDX, 4/76)

The Muslim-controlled stn on 989 is on the air 0300-2330 w/nx in AA on the hour & nx in FF 0430, 1030, & 1630. The govt-controlled stn on 836 BCs 0300-2300, also w/nx in AA on the hour & nx in FF 1030 & 1630. The Palestinian-controlled stn on 1515 is on 0300-0400 & 1600-2030 w/nx in EE at 1730 & 2000, & in FF 1740. Lebanon, Syria, Jordan, & Cyprus went on Summer time, which is GMT+3. (SCDX, 6/76)

The Christian "V. of Lebanon" is said to be operating on 350 meters (i.e. near 857 kHz - ed), but is not audible in Israel. A Moslem-controlled stn operates irregularly on or close to 575 kHz, & a Christian-controlled station operates on 920. (SCDX, 7/76)

V. of Lebanon was first rpted in SCDX 1346 as a clandestine. After one year of operations, the stn changed its format on 10/1/76 w/the inclusion of commercial spots. Ads for various shops in Beirut & Jounieh, the day's offerings at the Jounieh supermarket, as well as ads for brand-name goods, have been observed. The stn operates on 850 kHz 0600-0900, 1100-1300, & 1500-2000 or later. (SCDX, 11/76)

LESOTHO. R. Lesotho, Maseru, on 899 has been noted w/closedown at 2130. WRTH lists closedown as 2030. (Baker, S. Africa, 7/76)

LIBYA. A new superpower stn in Al Hamin has been noted on 827 in AA w/mx & anmts w/occasional TTs. New stn on 1570 might be Sebha w/600 kw. (listed as 827 kHz). (MWN, 4/76)

Power reductions: 1124 & 1250 from 1000 kw to 500 kw; Sebha-827 600 kw to 300 kw. (MWN, 9/76)

New is a 500 kwer on 539. No location is known. (MWN, 11/76)

LIECHTENSTEIN. Liechtenstein has been granted a channel on 1386 kHz for an output of 500 kw, but this does not necessarily mean there will be a stn in the next few years. The assignment has been granted by the ITU Conference, but the agreement has not yet been signed by Albania, Malta,

Oman, & Burundi. (MWN)

MALAGASY REPUBLIC. R. Nederland has ordered 6 1 kw BCB xrs which will be presented as a gift to the people of Madagascar for the purpose of establishing a new radio network. (Communications News, 4/77)

MONACO. According to the French press, R. Monte Carlo & reps of one of the United Arab Emirates have negotiated for a MW relay stn to cover the countries around the Persian Gulf. Pgm of RMC Cyprus will be duplicated as the latter is weak in the Mideast. (SCDX, 4/76)

MOROCCO. Tetuan moved from 1056 to 1052 w/20 kw. (MWN, 11/76)
Casablanca-1484 moved to 1457. (MWN, 1/77)

MOZAMBIQUE. R. Mozambique's regional outlet on 836 at Chimoio (formerly Vila Pery) has been hrd as early as 1500 against the time of 1600 stated in WRTH (may be a pre-opening test w/audio borrowed from SW - ed). R. Mozambique outlet on 917 was reactivated for about 1 week & then deactivated again. Still not hrd since. (Baker, S. Africa, 8/76)

MUSCAT AND OMAN. R. Oman BCs in AA 0200-0700 & 1100-2000 in AA, & 0900-1100 in EE, w/nx daily in EE at 1030, on Muscat-1240. AA 1200-1900 on 1035. (SCDX, 3/77)

NEPAL. K.B. Khatri, Dir. General, His Majesty's Govt. Dept. of Broadcasting, R. Nepal, Singha Durbar, Katmandu, Nepal, requests reception rpts on 790, 0720-1020, 1150-1720, & 0020-0350 (Sat to 0450). Signal strength & QRM is all that is requested. (SCDX, 3/76)

NORWAY. Plans for new xrs at Vannoy (155), Smola (630), Stavanger (1314) Bastoy (218). It is likely that only the first one will be operative before the new MW/LW plan comes into use in 1978. (MWN, 4/76)

PORTUGAL. Emis. Nacional now announces as Radiodifusao Portuguesa. Pgm 1 is 0600-0100, but Lisboa-665 is 24 hrs. Regional pgm is 0600-0000 via Faro-557, Oporto-719, Coimbra-1448. Pgm 3 (Regional/National) is 24 hr over Oporto-782 (ex-R. Club Portugues), Regua-962 (500w), Lisboa-1034 (ex-RCP) & Santarem-1322 (ex-R. Ribatejo). All have separate programming. Pgm 3 (local) 0600-2200 over Lisboa-1594 (ex-Emis. Assoc. da Lisboa), Oporto-1578 (ex-Emis. do Norte Reunidos). Non-nationalized stns: R. Renanca-1286 & 1169 (pwr on 1286 to be increased), R. Altitude-1496, Garda; Emis. Beiras-1460, Caramulo. A new one is rptd on 1007 parallel to 1034. (MWN, 3/76)

REUNION. France-Inter 3 on 602 & 665 has been noted w/closedown as early as 1845. WRTH lists closedown as 1900. Closedown time has been alternating between 1845 & 1900. (Correct stn name is France Region 3. dvb) France Region 3 noted at 0210 on 665 & 602 8/15. (Baker, S. Africa)

RHODESIA. RBC's African Service outlet on 998 has not to date been hrd. However, the 710 outlet is well hrd & is assumed to have undergone a big pwr increase. This (710) outlet has been hrd in Durban during daylight hours w/a fairly good sig. As things stand this outlet is now 100kw & not 2kw as listed in WRTH & formerly believed. RBC General Service is noted being carried on African Service xr only on 890 & 1340 (Salisbury & Sulawayo, respectively) 2015-2200 weekdays & 2015-2115 Sundays. RBC African Service outlet on 998 (at Gwelo) noted inactive. Regional Services R. Matapos-1241, Sulawayo, & R. Jacaranda-1255, Salisbury, have been observed to be relaying RBC General Service 2000-2100 on Sundays. Voz de Africa Livre-998 has new times 1700-1800 w/PP & African vernaculars & pop mx. (Baker, S. Africa, 6/76)

Rhodesia has entered the propaganda war w/a daily xmsn in PP beamed to Mozambique. The pgm is called A Voz da Africa Vivre (The Voice of Free Africa) & broadcast on 998 1800-1900. At no time is there any indication the stn is located in Rhodesia. BCs are anti-Frelimo & consist of pop, PP, & LA mx (screwy categorization - ed), talks, & regular ID. The stn opens 1755 w/an inst piece of mx & repeated ID, "Esta e a Voz da Africa Livre transmitindo para a mocambique". This is the only time this high powered xr is used. (SCDX, 6/76)

RBC announces that from 4/77, all MW xrs will carry R. Jacaranda xmsns in the evening from about 1500 & all day Sundays. General Service will

therefore be hrd on SW & FM outlets, & not on MW in the evenings. (SADXC)

SOUTH AFRICA. The SABC is undecided whether to discontinue their MW service, R. Five. R. Five is proving very popular & to air it on SW only will not do the SABC image much good. The FM channels have reached their maximum w/5 stns, so there is no space for R. 5 there. (SADX,3/77)

SPAIN. RNE now announces as Radiotelevision Española. REM & CAR merged & the resulting network is R. Cadena Española. EAJ64, R. Segovia, is now on 1430 vice 1412. EFJ50, R. Juventud de Calahorra (listed on 1365 as R. Juv de la Rioja) is noted on 1385. This one is a constant drifter. EFE57, Pamplona, is now on 1140 (ex-1150). (MWN, 6/76)
New is Logrono-728 29kw (RTVE-1), Cabra ECS12-1570 ex-1133, Huelva EFJ51-1570 (ex-1097). (MWN, 9/76)
Pwr increases on local stns, now 10 kw: EAJ5-809, EAJ8-1025, EFJ15-1025, EFJ56-1133, & EAJ43-1412. (MWN, 11/76)

SWAZILAND. Swazi Music R. (SMR) has been reported as having gone broke. This stn was hrd on 1376. The parent company is presently running a replacement stn called Swazi R. Swazi R. usually comes on the air around 1520 w/a pgm for Indian listeners in S. Africa in the various Indian languages, after which pgms are in PP. Rlgs pgms are also aired. Swazi Commercial R. has been observed signing on 0500 on Sundays w/EE anmts & EE rlg pgms, & at 0500 on weekdays w/PP pgms. This is on 1376. R. Truro (Swazi R.'s Indian outlet) will be hrd from 8/16/76 at 0400-0600. (Baker, S. Africa, 6/76)

SWEDEN. Power reductions: Motala-151 600 to 300kw, Sundsvall-593 150 to 10kw, Falun-1223 100 to 10kw. (MWN, 9/76)

SYRIA. Dar-El-Zier has moved from 953 to 827 w/60 kw. (MWN, 9/76)

TUNISIA. The Tunisian PTT has opened Gafsa-584 w/350 kw. (MWN, 11/76)

UNITED ARAB EMIRATES. The Sharjah Broadcasting Stn is planning to operate w/120kw on 1535 later this year, per a letter from them. (SCDX,3/77)

UNITED KINGDOM. The Daily Telegraph (1/23/76) rptd that the IBA might apply for what is now a BBC freq. This is from IBA Director of Broadcasting, John Thompson, who argues that since all radio wavelengths are in the process of being reallocated by the ITU, then Britain's share is back in the melting pot. Thus, there is no intrinsic reason why the BBC should get all its present wavelengths back. In view of the BBC's present financial state, it would be "perfectly imaginable" for one of the present BBC networks -- possible R. 1 or R. 2 -- to be restructured on a commercial basis. No favour to the suggestion can be expected from the BBC and the home office is not expected to see things this way. (MWN)
Downtown Radio, Belfast is a new commercial stn operating on 1025. Addr is Kiltanga Radio Center, P.O. Box 293, Newtownards, Co. Down, Northern Ireland. Another new commercial stn is Radio 210, Thames Valley BCing with operation on 1430 kHz. (SCDX, 5/76)
R. Manchester-1457 and R. Bristol-1546 increased pwr to 5kw. (MWN,5/76)

YUGOSLAVIA. Belgrade-683 has increased pwr to 1.0MW, ex-400kw; Ljubljana on 917 increased to 600 kw, ex-200kw. (MWN, 9/76)
R. Belgrade is to increase power to 3000 kw, making it the highest power in the world. (MWN, 1/77)

ZAIRE. La Voix de Zaire, Kenshasa, on 692, has been observed here w/FF & vernaculars w/mx. An xlt sig is rxd here. (Baker, S. Africa, 6/76)
Bukavu is new on 800 kHz, probably w/high power. WRTH-76 lists a proposed MW xr of 300kw. This is a regional outlet of La Voix du Zaire. Closedown is at 2100. (SCDX, 9/76)

(Observations made while on vacation, December, 1976)

Monitoring the European BCB from London was a surprising experience for me in many ways. There are significant differences between reception there and in the U.S., it seems to me, and I began noting these within a few minutes after I first turned on the remarkable little TRF. As all DXers know, the BCB across the Atlantic has a channel separation of 9 kHz rather than the 10 kHz we find in North America. Also, the European-African stations utilize a lower level of modulation when a broadcast is put on the carrier. We have all known these things but what I had not realized until I heard it close up was how that different system of modulation affects the performance of your radio.

For one thing, this ridiculously small TRF with its tiny speaker delivers much better sound over there than it does on our U.S. stations. It almost seemed that the European AM stations transmit sound with an FM quality to it. I was amazed at how well a pipe organ concert was reproduced on the BBC. You would have thought the TRF had suddenly been equipped with a 9 inch speaker.

The next thing I discovered was the relatively clean separation and absence of splash between those European channels. I want to be careful not to overstate the difference but that 9 kHz separation produces significantly less splash between stations than our 10 kHz standard in the U.S. The lower modulation level surely enters into it and you might be justified in saying that our North American stations produce more splash because they customarily transmit sound at the top of their lungs.

Along with better reproduction of sound and less splash between adjoining frequencies, I noted one other reception feature which may be connected with the different system of modulation. When two or more stations in Europe are picked up on the same frequency they seem not to set up the severe beating we invariably hear in the U.S. I often noted a weaker station underneath the dominant one on a frequency with no beating at all between the two carriers. If the stronger station was transmitting talk and the weaker one music, you might have thought the music was being carried on the dominant station as background to the talk. This is not to suggest that I didn't ever note beating between two stations, but this kind of interference seems to be significantly less than what the U.S. DXer is accustomed to. (Beating is caused by slight differences in carrier frequency between the two stations. European stations apparently keep their transmitters closer to their assigned frequency than U.S. stations do. ed)

The most unusual station heard on the TRF was R. Veronica-1020 in Venezuela. I was quite astonished but I was able to hear the Veronica ID twice in a ten minute period just before and after 0100 12/17. Veronica was the only LA station definitely IDed during the 16 nights I was able to examine the BCB from London, but a LA heard under WGY around 0300 12/19 may well have been Sutatenza.

The nights of 12/10-13 were spent in Paris and while I had the TRF along, there isn't much to be heard from your room on the twentieth floor of the Hotel Concorde Lafayette.

As to the 16 nights in London, it was noteworthy that North American stations were found every night. Apparently TA conditions remained very good over the period 12/2-22. You can classify WINS, CFRB, WCAU, WNEW, WBAC, WGY, WOR, & CJOX, as regulars from London. I tried repeatedly for such stations as WHDH, WBZ, WLW, WCBS, WWL, WSM, WBAP, WHN, KMOX, XEW, & PJB, but the TRF could never pull any of them out of the hash.

Frankly, this American DXer was quite lost in the European BCB in the multiplicity of languages and the difficulty of knowing exactly what frequency you were tuned to. The TRF is a great little performer but don't try to rely on it for close frequency readings. Also, it seems that most European stations have the habit of going for considerable times without IDing. Or if they do ID, your American ears don't catch the ID.

It was noteworthy also that the TA frequencies which are conspicuous, as heard from the U.S., are hard to locate once you are in London. and what you hear on them is probably quite different from what you hear in the U.S. Instead of Portugal there is Germany on 665 and 764 gives you Switzerland instead of Africa. Even the well-known BBC frequencies

contain surprises for the American DXer, unless he has studied them very closely. We are well-acquainted with Radio 4 at 881, but as heard in London, 881 is much less than one of your local frequencies. Instead, your local Radio 4 outlet is 908, rarely heard in the U.S. The BBC stations on 881 are in Wales.

The Radio 4 stations on 692 are in England, yet are weak enough at night to be severely interfered with by East Germany.

On 809, the BBC stations are in Scotland and also suffer interference from the continent. After midnight in London, the BBC stations sign off and the BCB seems to be dominated by German stations, both East and West. The Germans are your main hindrance in searching for anything from across the Atlantic. But many other languages are heard all night and only a few frequencies are open across the Atlantic.

On 566, Athlone refers to itself as "Irish Radio" and the voices there remind you of Vaudeville-type Irishers in comedy sketches. You cannot doubt that it's Irish for you hear a lot of commercials for Limerick sponsors, the sports presented by O'Riley and the station weather man is named Murphy.

One final note, Vatican Radio at 1529 offers a menu of sacred, classical, ponderous stuff nightly to 2300, then changes personality abruptly when midnight comes in Rome. After 2300, it has at least one hour of pop music, even including rock. One night I heard it playing the familiar American platter "Winchester Cathedral", popular ten years ago. I realized fully then that, at last, I had heard everything.

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RADIO PIRATES OF RUSSIA

(Reprinted from the Manchester (England) Guardian, September 12, 1976)

A broadcast over the Archangel city radio network, in the far north of Russia, said earlier this year that 30 radio pirates operating illegally had recently been caught in the area. It said that the pirates transmitted their broadcasts when the official radio stations were silent, especially at night. And it asked law-abiding listeners to report all such broadcasts to the authorities, "at any time of the day or night" and to do so anonymously if they preferred.

Thirty radio pirates for a city of 370,000 may seem a lot, but it is still less than the average of 125 illegal transmitters that were being uncovered every month in Donetsk (pop. 934,000) two years ago, according to a Soviet youth newspaper. Another Soviet press report said at the time that "hundreds of radio hooligans" had been captured in Moscow.

In the city of Kazan 115 pirate broadcasts were heard by authorities in the course of a five-hour check in 1970, and dozens of "radio hooligans" were caught during a police round-up and put on trial. But nothing seems to deter them, as the recent news from Archangel shows.

The persistence of illegal broadcasting in what is usually described as a police state has often puzzled foreign observers. As long ago as 1966 the Soviet supreme court, alarmed by the growing number of pirate radios, announced that their operators could be prosecuted as political offenders.

Before that, the illegal use of radio transmitters was treated as "malicious hooliganism" by the courts. But the supreme court ruled that radio pirates could also be tried for "Anti-Soviet agitation and propaganda" under the dreaded article 70 of the penal code.

During the ten years that have elapsed since then the Soviet press has provided a great deal of detail about the operations of the radio pirates, but very little information about any political activities they may indulge in.

"Wherever we find radio hooligans", a police official said in an article in the chief newspaper of Kirghizia, in Soviet Central Asia, "we discover anti-Soviet propaganda". The broadcasts contained "religious twaddle and anti-Soviet anecdotes."

Little is known of the content of these broadcasts, because the range of the pirate radio stations is very limited and they cannot be heard abroad. So far as the evidence in the Soviet press goes, the transmitters, which are usually home-made, are mostly operated by youngsters who broadcast the kind of foreign music which is not available from official radio stations.

But every now and then news reaches the West of 'something more serious. A radio pirate in Vilnius, the capital of Lithuania, was sentenced to three years for taping Western newscasts and re-transmitting them for local listeners. A pirate station in the Ukraine has broadcast anti-Russian songs. A newspaper in Kazakhstan, in Soviet Central Asia, has reported a two year sentence for a radio pirate accused of broadcasting "obscene" songs.

But for every transmitter which is put out of action, several others pop up.

Most of those caught by police are fined and have their equipment confiscated. The prison and labour camp sentences are evidently reserved only for the explicitly political offenders -- and it seems that few of these are caught.

Most of the radio pirates castigated in the Soviet press get into the game out of youthful high spirits. The forbidden fruit tastes so much better than any other. But as they get older, some of them become interested in opposition politics.

An official broadcast beamed by Moscow Radio to the United States earlier this year said that it would be wrong to ascribe the appearance of pirate radio stations to "acts of defiance" by the young. But *Komsomolskaya Pravda* was closer to the truth when it explained that young people who operated illegal transmitters regarded them as a badge of courage, "a sign of contempt for the risks involved." And, it added, it made the boys shine in the eyes of the girls.

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MULTILINGUAL RADIO FOR EUROPE --- by Alexander MacLeod

(reprinted from The Christian Science Monitor)

British broadcasters will throw their full weight behind plans to be discussed in Brussels this week for setting up a multilingual radio system serving the nine countries of the European Community.

The scheme has the enthusiastic backing of leading members of the British Broadcasting Corporation. The BBC has already begun making pilot programs for the project.

It is expected that the Brussels meeting will produce agreement on the aims and shape of the system. Already, however, the broad lines are beginning to emerge.

Present plans call for broadcasting in English, French, and German. The basic output will consist of news and information programs.

BBC envisions a central newsroom, possibly in London, staffed by multilingual broadcasters from the nine EC countries.

Already medium-wave frequencies have been reserved and if these do not prove efficient enough to cover the bulk of the West European audience, VHF frequencies may also be used.

One of the strongest advocates of the system is Gerard Mansell, managing director of the BBC's external services. He would like to see the proposed Euroradio service administered on lines similar to the BBC's own system, which protects the corporation's independence. The need, he believes, is to keep programs beyond the control of national governments and the international bureaucracy at the EC's Brussels headquarters.

His views appear to be fairly widely shared among other EC broadcasters, although there is expected to be intense rivalry between the British and the French over the influence they exert on program content and style.

Supporters of the scheme hope a Euradio service can be operational in time for direct elections to the European Parliament due to be held next year.



GERMAN FREQUENCY PLAN - 1978

German Federal Republic (West Germany)

155	500/250kw	Donebach DLF	B	909	200	Munchen BR	A/B
549	200	Bayreuth DLF	A	936	100	Bremen RB	B
	100	Recklinghausen DLF	B		5	Bremerhaven RB	A
567	100	Berlin SFB	A	972	600	Hamburg NDR	A/B
576	300	Muhlacker SDR	A/B		800	Laugenberg WDR	A
594	800	Frankfurt HR	B			2 low power relays	A
	100	Hohe Meissner HR	B	990	300	Berlin RIAS	A
630	100	Braunschweig DLF	A		40	Hof RIAS	B
666	300	Rohrdorf SWF	A/B	1017	600	Wolfsheim SWF	A
684	100	Hof/Saale/Rias	A	1107	10	Berlin AFN	A
		(daytime only)			10	Grafenwohr AFN	A
702		7 low power relays	A		10	Kaiserlautern AFN	A
711		5 low power relays	A		40	Munchen AFN	A
720	150	Holzkitchen RFE	B		10	Nurnberg AFN	A
	200	Laupenbreg	A	1143	5	Bremerhaven AFN	A
		(daytime only)			10	Stuttgart AFN	A
756	800/200	Braunschweig DLF	A/B	1197	300	Munchen VOA	B
	100/200	Ravensburg DLF	A/B	1269	600	Neumunster DLF	A/B
801	500	Nurnberg BR	A/B	1413		3 low power relays	
810	10	Berlin BBC	A	1422	1200/600	Heusweiler SR	B
828	40	Freiburg SWF	A	1449	5	Berlin SFB	A
	100	Hanover NDR	A	1539	700	Mainflingen DLF	A
	5	Hanover NDR	A	1593	800	Langenberg WDR	A
		2 low power relays	A			(nighttime only)	
855	100	Berlin RIAS	A	plus 15		low-power AFN relays on	
873	150	Frankfurt AFN	B	1143			

German Democratic Republic (East Germany)

182	750	Orianburg	A	882	250	Suhl	B
263	200	Burg	A	999	20	Cottbus	A
531	100	Leipzig	A		20	Schwerin	A
558	10	Neuenbrandenburg	A		20	Suhl	A
	10	Putbus	A	1044	1000	Burg	A
	20	Rostock	A	1170	20	Erfurt	A
576	200	Schwerin	B		4	Reichenbach	A
603	30	Berlin	A	1323	1000/150	Naven (Moscow)	B
657	2000/20	Neuenbrandenburg	A	1359	250/100	Berlin	A
693	250	Berlin	A	1431	250/100	Dresden	A
729	10	Greifswald	A	1575	500	Navenbrandenburg	A
783	1000	Burg	A				

Both countries plan to have numerous low power relays on 1485 and 1602.

Powers are in kw day/night. Antennas: A-omnidirectional; B-directional A/B-omnidirectional days/directional nights.

POLSKIE RADIO

Audycje dla Polonii
i Polaków za Granicą
00-950 Warszawa
P. O. Box 46

Pacific Loggings

- 155 RSFSR, Khabarovsk, hrd 1130 11/7. (Wilson, CA)
- 173 RSFSR, Yakutsk, RR talking by male voice 0801-1017 12/4.
(Young, CA)
- 182 RSFSR, Petropavlovsk, 1200 11/7. (Wilson, CA)
- 191 RSFSR, Blagoveshchensk, extremely strong 0534 u/"SFI" beacon
stn. Strength improved to past 0817. Almost clear of beacon
by then. RR singing & talking, different format than SW out-
lets. //182 12/4. (Young, CA)
+Hrd 1207 11/7. (Wilson, CA)
- 200 RSFSR, Irkutsk, hrd 11/7 1210. (Wilson, CA)
- 218 RSFSR, Khabarovsk, at 1220 11/7. (Wilson, CA)
+0925 12/4 along w/Yeniseysk w/RR talking. (Young, CA)
- 227 MONGOLIA, Ulan Bator, R. Moscow IS 0930 12/4 w/Mongolian Ser-
vice (relayed by Ulan Bator at this time). RR stn also here &
stronger. (Young, CA)
- 227 RSFSR, Nizhniy Tagil, hrd 1248 11/7. (Wilson, CA)
+Male voice in RR here 0928 o/Mongolia 12/4. (Young, CA)
- 236 RSFSR, Magadan, singing mx 0937 12/4. Female voice in RR 0946.
Hrd past 1143 when still very strong. (Young, CA)
- 245 RSFSR, Vladivostok, armchair quality 1250-1300 11/7 w/talk &
mx. (Wilson, CA)
+1110-1230 12/5, blanket electrical current in the atmosphere
o/L.A. Sig came in weak 1110-1155. At 1155 it improved, 1200
woman talking & 2 beautiful musical chimes, man & woman rptng
nx, stn ID hrd 3 times. Then into mx, light opera w/baritone
singer. I have a neighbor whose sister is a college grad in
languages, God is w/me, who translated for me. (Wilson, CA)
- 263 ^t RSFSR, Chita, believed here 0939 12/4 w/RR talking. (Young, CA)
- 272 RSFSR, Novosibirsk, 0943 12/4 noted but this could still be the
weaker powered RR stn in Birobidzhan. Who cares? Singing
noted weakly. (Young, CA)
- 281 RSFSR, Yuzhno-Sakhalinsk, 0943 12/4 w/female voices in RR.
Terrible QRM from beacon stn "GWF". (Young, CA)
- 530 AUSTRALIA, Dalwallinu, 6DL 10/15 OM calling horse race mixing
w/JJ at times. Pips 1359 & ABC ID & TC as 10 o'clock, then nx.
(Williams, OR)
- 530 JAPAN, Morioka, JOQG, 1300 10/6 steady but barely audible w/OM
talk & NHK pips across hour. Seemed to be getting stronger w/
OM talk at 1307 tuneout. Good w/piano mx 1320 10/10.
(Hall-Patch, BC)
+Fair 9/19 1217 & 9/23 1127 w/JJ talk. (Pejza, CA)
+10/18 1157 good ID & NHK pips 1200. Good sig from 1130 on.
Didn't think the DX-150A could tune that low. (Lobel, CA)
+Tuned in on some weird chanting unlike anything ever hrd on
NHK. Had thoughts of India & Pakistan until I hrd Japanese
stringed insts. Listened off & on 1120-1200 ID & IS 10/18.
(Peterson, CA)

- +Only faint carrier noted but strong suspect due to reception a few weeks ago 11/1 1330. No audio this time. (Lobel, CA)
 +Weak but audible male talk in JJ. First time for this guy 1430 3/9. Faded 1459 & came back 1503 (naturally) so didn't hear ID at top of hour. (O'Hare, WA)
- 543 **RSFSR**, weather stn in the USSR, loc is ann'd at the opening of xmsn of every 5 mins (?) but hard to get for wrong sound. Mr. Peterson rptd 544 kHz was maybe this stn. Meanwhile, R. Hong Kong-545 extended its xmitting hour, now s/offts at 1905 w/nx & GSQ. But I don't know if this is regular or on some special bases (sic). (Kawaguchi, Japan)
- 544 ? **UNID**, carrier way too late & separate freq to be Jumbo. About the same as carrier noted in 3/75. 1215 10/18. Still hoping for Hong Kong. (Peterson, CA)
 +Mystery carrier here again 0940 2/21. (Peterson, CA)
- 548 **RSFSR**, Vladivostok, noted w/strong het on 550 9/13 1035 & w/mx poor 1225. (Rittenhouse, CA)
 +Strong het 10/8 1330-1400; also 10/10 w/het against 550 but no audio at 1404. (Kaskey, CA)
 +11/6 1427 w/cl mx atop 550 domestics 0636; 11/8 w/opera 1428 // 575, fair audio & strong het on 550, in/out all AM. (Kaskey, CA)
 +Just a het on 550 domestics 0918 11/29. (Portzer, WA)
 +Good carrier 1340 3/2 but KARI slop too much for audio. (Hall-Patch, BC)
 +Monster of a carrier w/mushy talk by OM 1012 3/6 developed in-to piercing het w/KAFY et al by 1013. About the strongest ever for this one. (Rittenhouse, CA)
 +Weak 1210 w/lots of slop 3/7. (Peterson, CA)
- 550 **HAWAII**, Wailuku, KMVI, 11/2 1432-42 w/Filipino pgm, ID 1433, "I-55 KMVI", spot to get out & vote, 1437 TC, 1438 echo chamber ID, 1st time ever hrd in early AM, local o/KOAC most of the time. (Williams, OR)
 +11/25 1405-1435 in good w/slight QRN. Tagalog lang by YL w/EE IDs as "I-55" at 1430. (Korinek, CA)
 +Good 0742 3/21 w/nx, including some items prerecorded from CBS nx. (Portzer, WA)
 +Most likely the one w/JJ talk 0630-0700. Good sig, sometimes o/KOAC but faded on the hour. (Tomer, CA)
 +Good 5/11 w/"The magic I, I-55" ID 1337; Hawaiian & MoR mx. (Tomer, CA)
- 560 **AUSTRALIA**, Wagin, 6WA, 1558 4/8 w/nx & closedown in EE, fair sig. Also hrd 1556 3/27 w/nx & xlnt sig. (Baker, S. Africa)
- 565 **NORTH KOREA**, no sign of listed R. Pyongyang outlet on this freq 10/25. KLAC had OC most of AM. (Seaver, CA)
- 575 **RSFSR**, Khabarovsk, in weak 1020 9/6, little detail audible. (Peterson, CA)
 +The best of the low-band trio w/poor talk by OM 9/13 1035 & strong mx 1226. (Rittenhouse, CA)
 +Mayak II pgm 9/13 1323, 1331 9/16 1302 light mx on first time w/RR talks on others. First time had 1 Hz SAH, the last logging had 2 SAHs, 1 Hz & 2 Hz it seems. (Newell, BC)
 +Noted w/weak audio 10/10 1403. Sig very mushy & soon faded out. (Kaskey, CA)
 +Mayak pgm 10/11 1210 w/YL talk, 1318 piano mx, tough next to NSP KLAC. (Seaver, CA)
 +1400 10/19 hrd w/cl mx leading up to hour, then Midnight-in-Moscow chimes on hour. Nil-poor sig. (Hall-Patch, BC)
 +10/24 1256 w/cl mx, much splatter, better sig 1348 w/folk mx & group singing. Still fair audio 1433. (Kaskey, CA)
 +Mayak pgm hrd 10/25 across 1000, Mayak chimes (4 sets) & 6 pips. KLAC on OC. (Seaver, CA)
 +11/6 through splatter 1353 weakly; 11/8 peaked at 1429 //548. In-out all AM mostly because of 570/580 QRM. (Kaskey, CA)
 +Noted 11/13 1435 w/YL/OM in RR. Weak sig. (Kaskey, CA)

+Choral mx in KVI slop 3/2 1411 poor. (Hall-Patch, BC)
 +Below par considering the level I got on 548 later, but still putting in respectable carrier 1011 3/6. (Rittenhouse, CA)
 +Fair 1235-1305 3/7 w/a sort of MoR mx, RR style. 3 ten-note "Midnight in Moscow" chimes & 6 pips leading up to the hour followed by lots of talk in RR--nx? (Peterson, CA)
 +Classics good 1225; also hrd on 584, 593, 647, 674. (Ormandy, NZ)

580

JAPAN, Kagoshima/Kushiro, JOHG/JOPG, these hrd only as pips through all the other crud on the channel 1300 11/1. (Peterson, CA)

584

RSFSR, Svobodnyy, quite weak 1022 9/6. (Peterson, CA)
 +FS 9/7 1314 CC YL & OM talks w/ID 1318 as "Wau Suchu Guangpo Tientai..." S9 sigs while Iman-647 was way down. Also 1311 9/16 poor. The first logging was good. (Newell, BC)
 +Kremlin bells hrd 1230 9/12 tunein. YL & OM talking in oriental lang. Seemed //647 though usually weaker w/nil-fair sig. (Hall-Patch, BC)
 +Carrier noted several times; audio for first time 9/13 w/YL in CC 1101; man in CC 1156; OC 1159, followed by FS IS 5 times, then standard RR march & back into CC. (Pejza, CA)
 +Not far behind 575 w/big carrier 9/13 1035 & poor-fair talk 1226. (Rittenhouse, CA)
 +Het 10/8 1330-1400; 10/9 weak het 1308-1344 & almost gone 1422; 10/10 fair-good audio & wicked het noted 1344, man talking in CC, then inst organ mx 1347, more talk 1348 when into march mx, sig into fade but Kremlin Chimes rxd well 1400, more march mx & YL in CC. Good level again 1405 w/OM CC, still solid 1416 but gone 1430. //647. (Kaskey, CA)
 +R. Moscow FS here 10/11 1206, 1310, etc. in CC as listed. No apparent het on 585, are others really hearing the Pyongyang outlet here? (Seaver, CA)
 +10/9 1420 OM in CC, R. Peace & Progress IS 1430, ID in CC, talk continued. (Williams, OR)
 +10/24 1254 w/good sig, YL in CC. S5 strength 1347 in JJ. However, faded down to het after 1400. (Kaskey, CA)
 +FS chimes (same as 1st pgm home service chimes) 10/25 1000, then into CC pgm. Noted that WRTH lists this stn w/"R. Peace & Progress" pgm in CC 1100-1130 & 1430-1500. P&P IS is 6 notes on 2 clarinets. (Seaver, CA)
 +With audio 11/4 1436; 11/5 breaking thru 1436 //647 w/"Peace & Progress" pgm. 11/7 1447 same program. (Kaskey, CA)
 +In well w/talk 0848 11/1, better by far than 575 outlet. (Peterson, CA)
 +12/1 fair thru splat 0921, however improved immensely 1035 when 647 // was also booming in. Fair thru slop 12/4 1304. Sporadic audio 12/7 around 0930-1030. (Kaskey, CA)
 +Fair w/chimes 1430 12/23, also had YL in CC. (Bytheway, WA)
 +Fair through splatter 1516 12/23. (Kaskey, CA)
 +Faint YL talk in slop 1410 3/2. (Hall-Patch, BC)
 +Just a carrier 1011 3/6. (Rittenhouse, CA)
 +In weak 1316 3/7. (Peterson, CA)

585

INDONESIA, Surabaya, RRI, relay Jakarta nx 1408 5/12, theme mx 1410, nice local ID 1412; hrd as early as 1200 most nights. (Padula, Australia)

585

NORTH KOREA, Pyongyang, here w/male in KK 1140 9/8. (Young, CA)

600

COOK ISLANDS, Rarotonga, ZK1KC, in good 0545-0630 11/5 every Thurs (LD) w/Money Saver Game, numbers called to cover card by OM w/TC at ID 0600 & 0630 as 7:30 & 8:00 p.m. LT. This one should be easy to pull out of the mud when you hear OM w/'s & EE accent on Thurs (LD) you got CA. Sent off for QSL (5th time in 2 years, hope they finally break down). Some QRM from KOGO, couldn't null them completely. (Trubee, Hawaii)

600

SOUTH KOREA, Seoul, HLSA, 11/27 1532-36 tuneout w/YL in excited KK u/CJOR, fairly strong. (Williams, OR)

- 610 CANADA, Whitehorse, YT, CKRW, fair-poor w/WDAF nulled 8/9 0830-0900 w/"The Jim French Show", automated upto tempo mor/rr. Called stn to confirm it was them; ancr then went "live" for a few mins at the top of the hour and seemed to be raving about how they'd just been picked up in Seattle. KFRC off but testing intermittently & there was also QRM from CKYL. (Bytheway, WA) (ed note - in the time since this reception occurred CHNL-610 has also gone AN MM w/the Jim French syndicated show, so extreme caution should be observed here.)
- 615 t CHINA, Heilongjiang, fair-good carrier o/u KFRC slop 9/13 1109. (Rittenhouse, CA)
 +Faint CC hrd 1214 9/19. (Pejza, CA)
 +Good sig 10/18 1048. KFRC off & CC in well. Man talking in CC followed by YL 1055. Few bars of fast inst mx 1059, pips 1100 (5 med scale & 1 high), then OM/YL talk again. In well until KFRC came back 1119. (Kaskey, CA)
 +Noted w/pips (four low, 1 high) 1400 10/19, then ID given by woman, repeated by man, followed by the two of them taking turns yakking in CC. Good signal. (Portzer, WA)
 +1502-1510 10/24, Govorit Peking ID 1502, anthem, YL & OM in RR continued. (Williams, OR)
 +1406 11/8 YL w/CC singing, CC spiel 1408. (Bytheway, WA)
 +Most likely the source of YL in CC surfacing briefly 1135 3/27 w/fair signal. (Tomer, CA)
 +R. Peking 1230 good pgm on Mao in CC. (Ormandy, New Zealand)
- 615 UNID, fair carrier 1244 3/6, also 1220 3/7. (Hall-Patch, BC)
- 620 HAWAII, Hilo, KIPA, s/off 12/5 1201 w/KTAR off. (Seaver, CA)
- 625 NORTH KOREA, Haeju, beginning to look like better bet than 655. Noted strongly 9/13 1108 & at several rechecks that AM w/better level than 655 each time. (Rittenhouse, CA)
 +1330 9/13 mx that sounded //655. (Newell, BC)
 +Man in KK 1107 9/13. (Pejza, CA)
 +9/20 1140 w/KK male. (Rejza, CA)
 +Solid sig 1407 but heavy fades thereafter. YL in KK, def not //655 at that time. (Kaskey, CA)
 +1255 10/10 w/OM speechifying //655. Poor-fair sig amid the splat. (Hall-Patch, BC)
 +Noted 10/11 1112 not //655 (as listed) but seemed //725 & others w/KCBC pgm. (Seaver, CA)
 +10/24 1253 noted w/good sig. Had choral/martial singing, then YL talking & more singing. Still audible 1435. (Kaskey, CA)
 +Assumed the source of TP carrier 0852 11/1. TP's seemed to be showing unusually early this AM. (Peterson, CA)
 +0921 11/8 w/march mx, sounded like Communist war march, then YL talk. (Orren, WA)
 +Good sig 1352 w/YL talking. Very strong 1425 w/OM & YL talking. Weak through splatter 11/8 1423. (Kaskey, CA)
 +Weak sig 11/28 1253. Very difficult thru splat. (Kaskey, CA)
 +1226 fair, also on 655, 735, 800, 869, & 903 (??) (Ormandy, NZ)
 +Traces of OM yak 1011 3/6. (Rittenhouse, CA) (What sort of noises does a yak make when it's on the radio? ed)
- 629 RFSFR, Khabarovsk, only het noted 1410 10/10, no audio. (Kaskey, CA)
- 635 NORTH KOREA, Chongjin, faint w/man in KK; lotsa KFI slop 1112 9/13. (Pejza, CA)
 +Noted w/good carrier in passing 9/13 1108. (Rittenhouse, CA)
 +Audio 1411 10/10 w/man talking. Fair sig for a while but gone in 10 minutes. (Kaskey, CA)
 +FS outlet in JJ good 10/11 1007 w/KFI off. (Seaver, CA)
 +Same level & pgm as 625 (//?) 1030 10/18. (Peterson, CA)
 +10/24 1428 fair-good w/man talking, KCBC // 725/785. (Kaskey, CA)
 +Probably the carrier here 0854 11/1. (Peterson, CA)
 +Breaking through domestics w/talk 1441 11/4. (Kaskey, CA)

- +Has JJ FS in the 1000-1200 hours at least.' 11/15 at 1047, 1107, 1130. At 1130 had martial mx, possible ID ("Hoso", & "Kochirawa" hrd), then folk song. Not //625 or 655. This stn may switch to KCBS pgm later. (Seaver, CA)
 +Fair w/mucho splat 11/29 1130. (Kaskey, CA)
 +Weak carrier 3/2 1335. Fair carrier 1311 3/6, OM talking way down in the mud. (Hall-Patch, BC)
 +Carrier the whole show 1011 3/6. (Rittenhouse, CA)
 +In very weak 1307 3/7. (Peterson, CA)
- 640 CHINA, 1341 9/6 CC YL after KFI gone. Fair-poor w/moderate QRM. (Newell, BC)
 +10/9 1447 choral mx, the usual stuff, nice signal but faded out by 1458. (Williams, OR)
- 645 CHINA, Beijing, 9/18 1300 w/time pips & IS followed by talk by man. Faintly audible... Also hrd 10/3 1224 w/man talking poor-fair w/some KFI slop. (Kaskey, CA)
 +Most likely the source of this carrier which was easily separable from USSR 1030 11/1. Must be hell to listen to either of these in NE China or Korea w/that loud 2 kHz het. (Peterson, CA)
 t +Assumed to be the faint carrier just below Russia 0952 11/8. (Orren, WA)
 +Side-by-side w/RFSFR-647 11/28 1400. 645 had pips (5 low, 1 high, 11 sec sequence) at same time USSR had Kremlin Chimes. KFI tried to slop, of course. (Kaskey, CA)
- 645 UNID, China or N. Korea, unid TP carrier here; historically listed as Beijing but could be NK; noted 9/13 1110. (Rittenhouse, CA)
- 647 RFSFR, Iman, weak 1025 9/6 but strong 9/20 1005 w/ what sounded like KK talk. (Peterson, CA)
 +Faint YL fading in & out 1453 9/6; not sure of lang. (Pejza, CA)
 +1320 9/7 CC chatter //584?. Also 1248 9/9 poor, 1327 9/13 poor, 1240 9/16 fair. (Newell, BC)
 +Still much weaker than '74 levels w/fair carrier, weak talk, possibly KK, battered by @#\$%#! KNBR slop 9/13 1108. (Rittenhouse, CA)
 +Presumed YL in JJ 9/23 1119. (Pejza, CA)
 +10/9 w/strong het 1304, very weak audio 1341 w/man & woman talking, weak het 1241, 10/10 het & weak audio 1414 w/man talking. Def //584 1418 noted w/same pgm w/Oriental mx. (Kaskey, CA)
 +10/20 0930 fair-good sig OM/YL talking. March mx 0940 but faded out 0945. 10/24 weak audio 1336 //584; pgm sounded JJ. Kremlin Chimes noted weakly but clearly 1500. (Kaskey, CA)
 +Good audio 10/27 0937 w/man-woman in RR; 10/28 good 1354 w/YL in JJ. Very weakly 11/1 about 1345 thru domestic slop. (Kaskey, CA)
 +Fair sig & CC talk 0855 11/1. (Peterson, CA)
 +Fair-good sig all week (11/2-8) FS s/off 1430 followed by 75 secs of dead air & Peace & Progress s/on w/6 note IS played on Clarinets as described in WRTH. Repeated IS 3 times, then man interjected a few words, IS once more, man talked briefly & IS 1 more time, then into P&P pgm. Hrd & recorded 11/4-5-6. Believe P&P pgm is in CC. (Kaskey, CA)
 +0734 11/7 early TP w/usual CC YL rambling. Also 1632 w/semi-audible talks but clear IS in haze of QRN 11/6. (Newell, BC)
 +0710 11/7 w/CC talk. This seems too early in the eve for a TP but I don't know who else it could be. AKS were quite good an hour before this. (Tomer, CA)
 +Almost local-like sig 0944 11/8 w/talk in RR about America. (Portzer, WA)
 +0929 11/29 noted good w/orch mx & KFI slop, about 45 sec of silence, then FS chimes. Better & steadier sig than 655 at this time. USSR carriers & bits of audio noted on 575, 584, & 665 also. (Hall-Patch, BC)
 +Good w/YL in CC 0919 11/29. Again 0830 12/4 w/long period of dead air, then Kremlin Chimes, anthem, then into CC ID & RS. Bodacious signal. (Portzer, WA)
 +11/30 fair-good 0915-0925; 12/1 poor-fair 1024 but uf or arm-

- chair level 1030 w/Kremlin Chimes. Best ever hrd here. 12/7 good sig 0856 & up to good level again 0911. (Kaskey, CA)
+Male & female good 12/3 w/ID & IS 1200. (Manning, CA)
+Good 1515 12/23. (Kaskey, CA)
+2/14 1100-1114 strong suspect in KK male ancr. Perhaps nx. (Lobel, CA)
+Poor-fair 1350 3/2 w/YL talk in oriental lang followed by OM talk. Stronger 1401. (Hall Patch, BC)
+Sounding up to fall '74 levels w/OM loud in KK 1010 3/6. (Rittenhouse, CA)
+Good sig as early as 0950 3/7, continuing all AM in CC. (Peterson, CA)
+1350 female w/cl mx to 1400. Kremlin Chimes hrd 5 times at top of hour, then into CC talk w/man & woman 3/8. (O'Hare, WA)
+Weak RR choral group singing about a new missile silo just completed 1400-1412 3/3. (O'Hare, WA)
+Extremely potent sig 1130 3/27; had YL in Oriental lang. Often hrd but usually weak, this is the best reception yet for this one. (Tomer, CA)
+R. Moscow in KK 1335 5/8. (Padula, Australia)
- 650 ALASKA, Anchorage, KYAK, 1146 9/12 couple of spots, one w/KYAK mailing address. C/w mx, nil-fair sig in KORL null. (Hall-Patch, BC)
+Prob the one looping TP u/nulled KORL w/cw thru murderous KNBR sloop 9/12 1255. (Rittenhouse, CA)
+Weak but clear & steady 9/17, cw mx, good ID 1425. (Tomer, CA)
+IDed in midst of cw format 1323 9/16 w/KORL looped out. Good sig but not as strong as KFQD-750, which is the best bet for this semi-rare state from the midwest, I'd say. (Godwin, OR)
+12/1 w/ad for ski race in Anchorage & time as 12:28 at 1028. ID & into cw mx. Then was swamped by USSR-647 until past 1035. First time I've ever IDed KYAK. (Kaskey, CA)
+3/7 0749 w/KORL nulled (of course) w/promo giving many ments of KYAK. Then faded into the mud. (Bytheway, WA)
- 650 HAWAII, Honolulu, KORL, atop 1135 9/11 & oftentimes since then. Never w/much of a powerful signal tho. (Kaskey, CA)
+10/9 w/weak sig 1304 hetted severely by 647; KORL weakly o/UFO 1340 & still weakly atop 1420. (Kaskey, CA)
+1/31 0746 w/talk about police on island of Oahu. (Lobel, CA)
+Noted on past usual 1000 s/off 2/14 (about 1020); could be going AN. (Peterson, CA)
+2/14 1100 TC of 1:00 am must have been this one. (Lobel, CA)
- 650 ^t JAPAN, Toyama, JOIG, JJ noted poking through nulled KORL 9/13 1204. (Rittenhouse, CA)
^t +1456-1500 11/4 w/OM in JJ o/u KORL. Mixed on the hour - no ID possible, hrd pips only. (Williams, OR)
+Fair male & female talk u/slop (sic) from KFI 1357 3/2. (O'Hare, WA)
- 650 UNID, CC talk 10/27, no pips or recognizable ID 1400. Oriental voices hrd on practically every possible channel this morning. (Tomer, CA)
+CC male talking 1410 2/24 weak. (O'Hare, WA)
+2/25 1420 cl mx u/KORL, looping the same direction. Again 1440 w/cl violin mx. Who? (O'Hare, WA)
- 655 NORTH KOREA, Pyongyang, good S6 sig peaked 1244 8/21. Lady w/long talk. (Meehan, CA)
+9/5 1249 YL KK harangue w/moderate QRM. (Newell, BC)
+Weak 1130 9/6 but strong w/usual emotional talk in KK 1007 9/20. (Peterson, CA)
+Gal in KK; pips 1100 9/6, followed by male harangue; fair-poor 1230 9/7; powerhouse 1115 9/13. (Pejza, CA)
+1218 9/7 fair, 1225 9/9 fair, 1244 9/9 good, 1300 9/13 good to S9+, 1212 9/16 fair, 1314 9/16 fair-good w/YL strafing, 1242 9/19 poor KK talk w/approx 700-800 Hz het. (Newell, BC)
+Good sig 1159 9/13 w/OM talking in lang presumed to be KK. Taped across hour but no pips hrd nor anything resembling an ID. (Oliphant, AB)

+9/15 1430 w/male ancr w/long talk, good sqld S9 sig, 1500 time pips, 1505 fadeout. (O'Hare, WA)
 +Fair carrier but virtually no audio 9/13 1108. KNBR, as usual a pain in the \$\$\$\$! (Rittenhouse, CA)
 +9/11 1135 fairly weak but audible; 9/18 1302-1310 w/fair sigs; 9/19 1356 fair but fading; 9/25 weak-fair 1240 on & playing mx for a change...this one a regular. 9/26 1331 weak-fair w/group singing; better by 1334. 10/3 fair 1226 w/man talking (S4). KNBR no help. (Kaskey, CA)
 +Continues to rival China-1040 as a TP powerhouse. 9/15 1143 & 9/23 1117. (Pejza, CA)
 +Fair sig 10/8-9-10 1230-1415 subject to fading & jamming type QRN possibly caused by good ole KNBR. (Kaskey, CA)
 +Strong 10/11 1100 coming in like a pirate Oriental Chinatown SF stn w/KK/CC oriental lang w/OM/YL talks very long. No pips w/short march mx slurps. (Endza, CA)
 +Korea Central BCing Stn 10/25 1300 w/mx, time pips, march mx, fair sig. (NeBong, CA)
 +Easily the best TP of the AM blasting in w/usual garbage as early as 0900 11/1 & continuing all morning. (Peterson, CA)
 +0833 11/8. Old Faithful bombing in w/orch mx & YL talk. Little fading. Wonder how much earlier this can be rx'd here? Also wonder what it's like to DX from Pyongyang w/this on. (Hall-Patch, BC)
 +Arriving reasonably well 0832 11/8 & listened until 0848. Was solid talk, male, til 0845 when YL voices & bits of oriental mx were taped. This stn often fails to show up until much closer to Denver sunrise, 1300 or so. (Martin, CO)
 +Pounding in 0915 11/8 w/usual programming. Didn't need the HQ-180 to hear them, I stuck the end of my LW between my teeth used my tooth fillings for a crystal detector, hi. (Portzer, WA)
 +Strong 11/2-8 week til 1500. (Kaskey, CA)
 +11/18 1028 w/male ancr in KK. Oriental singing. ID 1030 by female ancr followed by what sounded like an anthem, then same female ancr. (Lobel, CA)
 +11/23 1302 in xlnt w/YL in KK. (Korinek, CA)
 +Its usual strong self 0920 11/29 w/pleasant mx consisting of a voice w/chime & string accompaniment. (Portzer, WA)
 +Xlnt 1202 12/3 w/slight flutter w/opera, ID, pips, 3 short, one long, nice. (Manning, CA)
 +In fair 1430 2/13 w/KK talk. (Tomer, CA)
 +In weak 1025 2/14. First TP in a long time. (Peterson, CA)
 +2/15 1455 old friend noted w/choral mx. Fair strength, fairly clean audio. (Hall-Patch, BC)
 +2/19 1343 in good w/OM in KK. (Korinek, CA)
 +Female talk, strongest TP on the band, 1400-1405 3/2. (O'Hare, WA)
 +Barrelling in w/string mx & choral accompaniment, then YL talking 1352 3/2. (Hall-Patch, BC)
 +In regularly again, noted 0952 2/21, 0945 2/28, & 0940-50+ 3/7 best on the last date. KK talk & singing. (Peterson, CA)
 +1347 3/8 good w/usual tirade on & on. 1415 still there. (O'Hare, WA)

660 ALASKA, Fairbanks, KFAR, prob the light rr looping TP 0600-0700 9/13. IDs impossible due to weighty 680 but cx & DF favored this reception. (Rittenhouse, CA)
 +Pair-good 0615 11/7 w/"Devil Woman", ID 0618, then more rock & "super 66" slogans. (Tomer, CA)
 +Very strong 0946 11/8 w/promo for Green Hornet & ad for record store. (Portzer, WA)
 +11/18 1245 good ID w/TC & temp. Had rlg's pgm before ID. Faded quickly after ID. My 2nd Alaska logging. (Lobel, CA)
 +12/7 w/rock til 0900 then clear ID. Time 11 pm & more rr. KNBR slop as usual. 1st time hrd this season. (Kaskey, CA)

660 AUSTRALIA, Byrock, 2BY, fair & steady 4/26 1255 w/talk on Cambodia; pgm //700. (Tomer, CA)

660 CHINA, Haerbin, 1320 9/13 poor w/"East is Red" or "International...geez, I should know the difference by now as PRC & USSR are my 2 favorite DX sites. Also hrd 1225 9/16. (Newell, BC)

- +10/24 1445-50 OM & YL speech over loudspeakers w/lots of shouting. (Williams, OR)
- 660 NEW ZEALAND, Wellington, 2YC, 1150 6/17 average levels w/diets Of classics. Obnoxiously timed s/off after fade down. (Newell, BC)
 +6/28 1100-1105 OM announced beginning of concert pgm, then into Handel. Beautiful signal. (Tomer, CA)
 ● +Cl mx 1st hrd here 1009 9/20, long fades w/occasionally a couple of minutes of mx at one time, twice hrd YL talking briefly but unintelligible. Talk began 1100, by 1102 strong enough to hear YL in British EE reading nx, several ments of BBC. At 1113 "from the BBC in London", then man describing the upcoming mx, which was opera. (Oliphant, AB)
 ● +In fair w/cl mx 1057 9/27, ID on hour as "This is the ... pgm of R. New Zealand". No pips were hrd on the hour & there was no fade at this time. Into BBC World Service nx. (Oliphant, AB)
 +1150 12/13 w/accented EE talk & ment of the BBC, then s/off. (Orren, WA)
 +Fair-good w/YL reading nx in accented EE 1/31 1101. Presumed to be this by YLs accent and loop bearing. (Hall-Patch, BC)
 +Presumed to be the one w/BBC nx 1106 2/14. Fair & clear w/YNAM het eliminated by QF-2 filter. Infrequent slow fades. (Hall-Patch, BC)
 ● +Cl mx noted 1015-1032 3/20 but could not hear any ID on ½ hr due to fade. Back on hr w/ID 1100 as R. NZ & into nx; good signal at times but deep fades. (Oliphant, AB)
 +Good w/what sounded like a drama 0838 4/11. (Portzer, WA)
 +5/23 w/R. NZ concert pgm until 0745, then ment of R. NZ by YL followed by beginning of a BBC play 0746, weak. (Tomer, CA)
- 665 SABAH, Lahad Datu, recently new, as early as 1040 w/commentary in Malay; this one believed to be high power; has Kota Kinabalu's programs, 5/12. (Padula, Australia)
- 665 RSFSR, Komsomolsk-na-Amur, noted 0904 11/8 w/OM & YL in RR. (Bytheway, WA)
 +Fair-weak w/weird inst mx that sounded almost like US pop mx 0948 11/8, then RR talk by man & woman briefly 0951 followed by female RR vocal. (Portzer, WA)
- 670 JAPAN, Osaka, JOBK, putting fair JJ talk through KBOI 9/13 1205 w/KNBR surprisingly subdued. Slop from KNBR much worse on 650-660 at this time. (Rittenhouse, CA)
- 680 AUSTRALIA, Busselton, 6BS, hrd 6/19 w/pgm //6WF-720 at 1445 w/good sig w/QRN. (Baker, S. Africa)
- 695 UNID, prob N. Korea outlet w/carrier only 10/25 1100. XETRA off this AM. (Seaver, CA)
- 700 ALASKA, Anchorage, KBYR, 1227 9/11 w/ment of FB games carried on KBYR, then pop mx. Very poor-fair w/some QRM from suspected NHK synchros. (Hall-Patch, BC)
 +Prob the one in EE looping NW 9/12 1255. (Rittenhouse, CA)
 +11/7 in good w/"Nx R. KBYR" ID 0608, then started Mystery Theatre. Surprisingly strong for 1 kw. (Tomer, CA)
- 700 AUSTRALIA, Grafton, 2NR, noted at good levels 1200-1400 9/14. Hrd again 1345 9/17 w/jazz & what sounded like The Ventures. 6 pips & "Nat'l nx of the ABC" on the hour. A commonly hrd but welcome stn here; comes through even when other DUs are not apparent. (Tomer, CA)
 ● +Mx featuring horns 1246 9/19 in for short periods w/long fades, mx continued until 1300, then ID as "This is ABC Radio (w/possible 3 after this)", 6 pips, then ABC nx. (Oliphant, AB)
 +On late 10/30 1451-1508 w/France vs Australia football match. No ID on hour. Faded way down by 1508 but a super good signal for 5 minutes or so. (Williams, OR)

- +Hrd 1045 12/13 w/accented EE, sounded like a drama. 6 pips at 1100. (Orren, WA)
- +Hrd briefly o/WLW 1108 2/14 w/ABC nx. (Tomer, CA)
- +Good steady sig 1240-1250 3/27 w/discussion pgm. (Tomer, CA)
- +1200 4/21 nil-fair w/light mx, OM w/EE accent. ID on hour nearly obliterated by QRN but 6 pips snuck through. (Hall-Patch, BC)
- +In good 1250 4/26 w/discussion pgm. (Tomer, CA)
- 700 JAPAN, Kitami/Hiroshima, JOKD/JOFB, JJ generally dominant 1206 9/13 w/occasional EE fadeups presumed to be KBYR, & weak oriental mx prob from the CC behind. (Rittenhouse, CA)
- +9/15 1204 w/JJ talk. (Pejza, CA)
- +Noted //830 1323 10/10 nil-fair o/u KBYR. (Hall-Patch, BC)
- +Good w/JJ talk 1350-1405 9/17. (Tomer, CA)
- +//830 1237 9/13. (Pejza, CA)
- +9/18 weak 1305 but cut through KNBR slop 1348 for better sig //770. 9/19 very weak 1355; 9/25 fair 1350 atop another UFO. 9/26 1336 readable to fair. NHK-2 talk, talk, talk; poor-fair 1315 w/mucho KNBR slop. Better by 1327. (Kaskey, CA)
- +EE lessons 1352 10/28 & better than average sig. (Kaskey, CA)
- +Noted 11/7-8 as late as 1450 but still to weak to get def stn ID at 1500 s/off. (Kaskey, CA)
- +Weak w/JJ & pips 1100 2/14. (Tomer, CA)
- +Strong 1235 3/27 w/JJ talk. (Tomer, CA)
- 705 SOUTH KOREA, Seoul, HLKA, 9/26 weak 1339 but better 1347. 1400 gave time pips, 3 low, 1 high (differed from 2 low, 1 hi hrd 9/25 1300), still w/fair sig 1417; 10/3 fair 1231 w/talk, up to S5 by 1313 but faded out earlier than 9/26. (Kaskey, CA)
- +10/9 het & weak audio 1256, fair sig w/het 1338, het & very weak audio 1418; 10/10 fair audio 1339. (Kaskey, CA)
- (See also, 706, 708, 710, 712, & 715 kHz. ed)
- 705 THAILAND, Bangkok, Wor Phor Thor, dominant w/Thai/EE pops 1230. (Ormandy, New Zealand)
- 706 SOUTH KOREA, Seoul, HLKA, daily het noted here again. Audio 11/18 & caught pips at 1400 (---). Sure sounds like NHK. (Kaskey, CA)
- 706.2 SOUTH KOREA, Seoul, HLKA, carrier & very poor audio 9/23 1110. (Pejza, CA)
- 706.5 SOUTH KOREA, Seoul, HLKA, 1100 10/18 unlike most, this one faded up on the hour to good sig w/western style mx, then a YL in KK saying "HLKA" & pips same as NHK's. Then OM w/presumed nx. (Hall-Patch, BC)
- 707 UNID, 1205 12/3 in lang, weak but solid here, noy quite enough for ID to anything. TP for sure. (Manning, CA) (prob HLKA.ed)
- 708 SOUTH KOREA, Seoul, HLKA, noted here weak 11/15 1018 w/KBS program. (Seaver, CA)
- +Good w/male KK talk 0917 11/29. (Portzer, WA)
- +Pips 1300 12/4 (...). (Kaskey, CA)
- 710 t FIJI, Suva, prob the male talk noted in passing 0812 9/13. Looped NE/SW but couldn't decide if in vernacular or accented EE. (Portzer, WA)
- 710 SOUTH KOREA, Seoul, HLKA, just slightly above nominal 710 w/wicked het on domestics & distorted KK audio 9/13 1207. (Rittenhouse, CA)
- +Here //740, good 1430. (Ormandy, New Zealand)
- (Also see 705, 706, 708, 712, & 715. ed)
- 710 UNID, 0956 12/13 w/man & woman talking in oriental lang, then faded down. May have had pips 1000 but not sure. (Orren, WA)
- 712 SOUTH KOREA, Seoul, HLKA, now on this side of 710. Noted on 10/24 w/audio 1247. Weak audio, strong het. (Kaskey, CA)

- +11/6 strong 1421 w/YL talking. 11/8 1419 w/strong sig, also blasting in 1444. Strong het on 710. Audio is very sporadic, up & down like a yo-yo. (Kaskey, CA)
- +11/8 noted about 1045. Note that this has been hrd w/2 pips & chime & 3 pips & chime. Wonder why? (Seaver, CA)
- 715 SOUTH KOREA, Seoul, HLKA, Xlnt 10/22 1022-28, 1057-59. KMPC s/on 1059 wiped it out. In KK w/KBS pgm (drama, talk, etc.). (Seaver, CA)
+Noted on this side of 710 10/28 1351 w/YL talking. (Kaskey, CA)
- 720 AUSTRALIA, Perth, 6WF, hrd 2211 4/10 w/state nx, fair w/het & QRN, though faded out quickly. (Baker, S. Africa)
+Hrd w/show tunes 6/19 1443 w/good sig & QRN. (Baker, S. Africa)
- 720 CHINA, Beijing, 1316 9/16 //835 w/same CC OM w/frequent "Mao" mentions. Fair. (Newell, BC)
+Foreign Service, CC 1237 good. (Ormandy, New Zealand)
- 720 HAWAII, Elelee, KUAU, 9/6 0815-0900 way o/WGN w/EZ-going singing selections, many w/a Hawaiian flavor. DJ spoke in both EE & Hawaiian (really had me confused as I thought Guam was in there, too). No spots; informative s/off 0900. (Tomer, CA)
+Noted poor 1430 s/on 10/12 w/ment of 720 kHz but CKLG splash too much for ID. Increasing strength 1431 w/OM saying that his pgm carried every AM on KUAU, then started speaking local (? not EE anyway) lang w/good strength. Audio quality not so good & soon faded down. (Hall-Patch, BC)
- 720 UNID, 6 pips 1400 9/21 after KDWN faded; several Aussies listed here. Bears further watching. (Godwin, OR)
- 725 NORTH KOREA, Kimchaek, fair carrier, weak talk at peaks 9/13 1111. (Rittenhouse, CA)
+Only a carrier 1121 9/13. (Pejza, CA)
+Fair-xlnt 10/11 1111-1115 w/KCBC pgm //625/775/785/820/876. (Seaver, CA)
+10/24 1244 w/OM talk, then YL. KCBS pgmning. Very bad KCBS (the other KCBS, hi. ed)/KDWN splatter most of AM. (Kaskey, CA)
+OM & YL talk 11/6 1245, fair sig thru splatter. (Kaskey, CA)
+Briefly through splatter 11/29 1137. (Kaskey, CA)
- 730 ^t CHINA, Nanchang, possible source of the OM & YL w/emphatic CC talks, very weak u/CKLG 1250 3/27. (Tomer, CA)
- 730 UNID, looping DU 6/27 had OM w/limey accent rambling on about philosophy of democracy or something similar. Weak w/noise. KBOY s/on wiped out hopes of ID 1300 but suspect 5CL Adelaide. (Tomer, CA)
- 735 NORTH KOREA, Pyongyang, assumed the source of carrier 1030 9/6 w/KCBS off for a change. (Peterson, CA)
+10/11 1115 //655 w/R. Pyongyang pgm. (Seaver, CA)
- 740 AUSTRALIA, Sydney, 2BL, in w/strong enough sig to be hrd u/KCBS!! 1306 4/26, had Australian nx. First time noted while KCBS on. (Tomer, CA)
- 740 JAPAN, 2 JJ stns u/KBS 1300. (Ormandy, New Zealand)
- 740 TAHITI, Papeete, listed 20 kw, hrd MM 7/5 0719-0730 s/off w/pgm //6135 SW. At 0719 some FF talk (nx?) punctuated by 2 gongs between items; at the end, a series of 10-12 notes on a flute-like inst, then non-stop Polynesian mx (vocal group like Brazil 66 & a horn instrumental) to 0728 when some more FF, a Polynesian song & Le Marseillaise at 0729, then off. This was hrd w/KCBS OC nulled & a bad buzz (XETRA related?). At 0728, KCBS OC went off just at the end of the mx & the FF talk was identifiable. 10 secs later, KBRT Avalon put their OC on (nulled about 15° W of KCBS). The last 10 mins of pgmning seems to be repeated each day as 6135 was logged 7/6 w/nearly

identical pgm. The 0730 s/off tip came from SPEEDX. KCBS is off every MM after 2400 PLT. Tahiti is only 4000 miles from San Diego on a bearing of 217°, almost 90° to SF. New country & a most welcome catch. (Seaver, CA) (Also note that this str is possible only during DST, s/off is 2330 PST/0030 PDT. ed) +Possibly the one noted w/FF talk by man 10/11. Occasional gongs or chimes suggests perhaps nxcast. Bits & pieces of audio o/u the LPRTs 0715-0729, when they seemed to have march mx. Mx sounded a bit like the French NA though that may have been just the power of suggestion. (Portzer/Bytheway, WA) +Weak w/man in FF 0717 10/25, then again w/French NA 0730. In-termittent KCBS TTs, plus some LPRT QRM. (Bytheway/Portzer)

743 UNID, SAH here 10/11 1114. (Seaver, CA)

750 ALASKA Anchorage, KFQD, good w/rr oldies o/Caracas 0720 8/23. Kind of a ho-hum catch around here. (Portzer, WA)

+In the clear w/blockbuster sig & strong KFQD ID 9/13 0723-0724. (Rittenhouse, CA)

+In like a local w/MoR 1345 9/17. When this one comes in it comes in like a ton of bricks! (Tomer, CA)

+Good ID 1224 9/13, MoR mx o/JOIB; by 1225 KFQD/JOIB fighting it out at about equal strength. (Oliphant, AB)

+S9+ w/oldies but goodies 1435 9/16. (O'Hare, WA)

+10/27 0933 o/WSB & slop. Noted nightly thereafter after around midnight local time. (Kaskey, CA)

+Good MoR mx mixing w/JOIB 1345 3/8. (O'Hare, WA)

+Good 1200 4/30, MoR mx & ID. (Tomer, CA)

750 AUSTRALIA, Toowoomba, 4QS, fair 5/26 1240 w/a play. No ID due to KXL s/on but pgm was //660 & 700. (Tomer, CA)

750 JAPAN, Sapporo, JOIB, good w/EE lessons o/KFQD et al 1005 9/6. (Portzer, WA)

+JJ generally atop //JOUB/JOBB w/KFQD still strong 9/13 1125. (Rittenhouse, CA)

+9/16 1253. Noted w/OM talking //830. Had to null a very strong KFQD for this one. (Hall-Patch, BC)

+9/20 1000 only hrd l pip. Anchr said, "...nx & comment from NHK." Nx was in EE. Sounded like EE lesson following nx.

JJ followed 1029; not an ID. 1034 back to EE lesson.

(Lobel, CA)

+9/26 solidly atop KXL 1413 w/EE NHK-2 pgm; 10/3 fair-good thru KCBS slop 1235 but KXL eliminated them 1300. (Kaskey, CA)

+//JOBB-830 9/23 1107, mixing w/tropical mx. (Pejza, CA)

+10/18 1005 strong suspect w/nx in EE by oriental accented male anchr. S2 w/much QRM. (Lobel, CA)

+11/1 0855 w/JJ. Mixed w/WSB blocking pips 0900. (Lobe, CA)

+11/1 1200 in good w/NHK pips (...-). (Korinek, CA)

+11/8 1010 w/nx in EE by strong accented JJ male. (Lobel, CA)

+1/24 1220 w/JJ mx u/HJDK. (Lobel, CA)

+Good o/WSB 0840 2/14 in JJ. Noted EE nx commentary 1010.

(Tomer, CA)

+Mixing w/KFQD 1345 3/2. (O'Hare, WA)

+Weak w/JJ play, then pips & NHK ID 1200 4/30. (Tomer, CA)

755 UNID, carrier 1137 9/20. No audio in. This hrd but not IDed last season also. Nothing listed -- ideas? (Peterson, CA)

756 INDONESIA, Purwekete, RRI, as early as 1045, through to past 1345 5/13. (Padula, Australia)

760 CHINA, Beijing, mixing w/KGU 9/13 1120, 1134 w/fading WJR looped. CC generally dominant w/YL yakker. (Rittenhouse, CA)

+1318 9/16 CC YL & OM not //720. Fair. (Newell, BC)

760 HAWAII, Honolulu, KGU, 1222 8/29 w/rr mx, not able to get any traces of this one until WJR fades out, noted w/strong sigs 9/7 about the same time. (Oliphant, AB)

+11/18 0955 strong suspect w/pop mx. No ID hrd on hour due to WJR QRM. This was rptd last year playing pop mx. (Lobel, CA)

- +2/6 1011 "The nice sound of KGU" ID. Mixing w/WJR; KFMB off. Had MoR. (Lobel, CA)
- 760 JAPAN, Kumamoto, JOGK, NHK-1, a new one for me sneaking thru u/XEABC & China (usual pips) w/NHK pips 1200 12/13 on a fairly auroral MM. (Peterson, CA)
- 760 UNID, KK talk here 1415 10/27. KK talk also noted on 640, 660, and 880. (Tomer, CA)
- 770 AUSTRALIA, Melbourne, 3LO, weak but steady 1345-1400 5/2 w/ Count Basie mx, ABC ID & 6 pips 1400. Again 5/10 w/jazz, good sig, ID 1300. (Tomer, CA)
 +5/6 1200 poor in partial KOB null w/OM talking, then mention of ABC mx & 6 clear pips across hour. Faded out a few seconds later but stronger from 1215 on w/jazzy mx as KOB faded out. (Hall-Patch, BC)
 ● +Xlnt sigs o/KOB 1255 9/27 w/jazz mx. ID on hour as "ABC R. 1, Eastern time is 11 o'clock", 6 pips & into ABC mx. KXA s/on 1301 made reception difficult but not impossible. Other Australians in on 700, 820, 830, & 840. (Oliphant, AB)
 +6/10 1221 in fair w/ABC 1 mx //SAN-890. Typical Aussie pips 1300. (Korinek, CA)
- 770 JAPAN, Akita, JOUB, 8/3 JJ talk w/KOB almost out of it. Also 8/15 1235 fair & 9/5 1251 fair. (Newell, BC)
 ● +In w/strong sigs o/KOB 1222 9/7 w/YL in JJ for about 10 mins. A surprise here as I thought KOB would always be too strong for it. Best sigs of 4 JJ stns hrd this AM. (Oliphant, AB)
 +Creaming KOB w/EE lessons 1009 9/5 //750 et al. Faded u/KOB a few minutes later. (Portzer, WA)
 +Way o/KOB 1013 9/20 w/talk. (Peterson, CA)
 +Giving KOB a run //JOB 9/13 1219. (Rittenhouse, CA)
 +Noted 1155 9/9 w/good steady strength better than and //830 w/OM talk in JJ. (Hall-Patch, BC)
 +Xlnt 9/26 1341; 10/3 way u/KOB 1238, barely audible through KOB/KXA 1310, finally loud & clear 1407. Usually last TP to fade out. (Kaskey, CA)
 +10/9 o/u KOB 1254 w/xlnt sigs, far u/KXA 1335, strong 1413, still good 1429. 10/10 w/fading sig until 1455. (Kaskey, CA)
 +Faint u/KOB 9/23 1105. (Pejza, CA)
 +NHK 10/25 1047 talk, children singing, TC, EE lesson. KOB off Being QRMed by WABC! (Nebron, CA)
 +ID, 3 pips, one tone, giving EE lessons, loop pointed towards San Diego w/20° tilt. KOB nulled 1400 10/28. (Wilson, CA)
 + "Music Box" s/off 10/30 1500 w/clear EE ID shortly followed by 2½ mins of "Music Box" s/off theme, then OC & off. (Kaskey, CA)
 +Fair w/JJ talk slightly weaker than KOB 1045 11/27. This & JOBB only TPs audible at the time. (Portzer, WA)
 +12/13 1311 w/JJ u/KOB. (Lobel, CA)
 +1/24 1230 w/JJ //750. (Lobel, CA)
 +Fair 2/11 w/OM, YL in JJ 1440. (Tomer, CA)
 +Weak w/KOB looped. Had NHK mx in EE as usual at this time 1012 2/14. (Peterson, CA)
 +Fair u/KOB w/EE lessons //750 0954 2/21. (Portzer, WA)
 +Weak male talk 1354 2/24. (O'Hare, WA)
 +Fair male talk 1350 3/2. (O'Hare, WA)
- 775 NORTH KOREA, Hyesan, noted weak 10/11 1117 //785 & other KCBC outlets. (Seaver, CA)
- 780 ALASKA, Nome, KNOM, hrd 1/21 w/KCRL off w/Alaskan wx 0915 giving several temps, highest of which was 30 below! ID 0920, then jazz & pop mx. Was actually atop WBBM for about 10 mins, then began to fade. Both gone by 0945, leaving only a weak SS. Checked other Alaskan freqs but none hrd. (Kaskey, CA)
- 782 RFSFR, Spassk Dalniy, weak 1035 9/6, stronger 1015 9/20 w/talk in RR, so this ID assumed. Still no positive ID or IS hrd. KCRL slop! (Peterson, CA)
 +1338 9/16 loud inst mx, finally got audio after 2 seasons of trying. WRTH lists this as Spassk Dalniy; fair. (Newell, BC)

- +10/10 1443 YL folk songs type things, fair sig, RR anmts 1447 more of same mx, gone by 1452. KCRL not much trouble. (Williams, OR)
- +Noted w/YL RR talk 1356 10/19 followed by vocal mx w/guitar-like accompaniment which sounded almost like LA mx, then man talking in RR w/the characteristic muffled voice sounding like he was BCing from the bottom of a barrel, a trait common to most Russian regional stns on SW. Fair w/KCRL slop. (Portzer, WA)
- +Noted w/het against KCRL both 10/9 & 10 1230-1430 but no audio either time. (Kaskey, CA)
- +10/11 1117, 1130, 1157-1201 w/RR OM & YL talk, lots of piano mx, 6 pips 1200, much KCRL splash. (Seaver, CA)
- +Fair w/talk 0915 11/1; heavy slop from KCRL-780 as usual (glad KCRL isn't a rocker!). (Peterson, CA)
- +Audio finally 11/8 u/loud KCRL 1440 w/opera mx & male tenor. Was not //584/575. Really kicking KCRL 1450 w/extra-strong het & opera mx. Het every day against KCRL but extremely strong 11/8. (Kaskey, CA)
- +Just a carrier in u/KCRL 1312 3/7. (Peterson, CA)
- 782 UNID, 1/20 1305-20 unid carrier w/het all o/780. No audio yet. KCRL off. (Korinek, CA)
- 785 NORTH KOREA, about the best carrier ever 9/13 1134 but audio buried by KCRL. (Rittenhouse, CA)
- +Just a carrier 1125 9/13. (Pejza, CA)
- +Good level 10/11 1020, 1117, 1142 //876 & others. (Seaver, CA)
- +YL talking in KK weakly thru slop 1402 10/11. (Portzer, WA)
- +10/24 1412 w/OM & YL talk in KK. Fair audio but really hard to separate between KCRL/KABC. //635 & 725. (Kaskey, CA)
- +Good 1415-1500 10/23 w/orchestra. (Tomer, CA)
- +Good sig w/mx 0916 11/1. (Peterson, CA)
- +KK commentary by man 1100 5/8. (Padula, Australia)
- 790 SINGAPORE, through 4QG, Indian type pgm w/vocals 5/14. (Padula, Australia)
- 795 CHINA, Shanghai, CC talks 1351 5/8, consistent in our evenings. (Padula, Australia)
- 803 PHILIPPINES, Bislig, DXBL, weak Tagalog s/off 1157. (Ormandy, New Zealand)
- 810 FIJI, Labasa, Fijian service, OM & YL w/talks 0905 5/14 thru 2BA. (Padula, Australia)
- 810 RSFSR, Vladivostok, fair 11/8 1158-1205, piano mx & YL in RR, no IS, 6 pips (½ sec long each, 5.5 sec sequence, all same pitch: - - - - -), then OM & YL in RR. This is listed as city pgm in WRTH. On the hour, a 2nd set of 6 pips was hrd (5 low, 6th high, 1 sec long each, 11 sec sequence: - - - - -) probably Chinese outlet. (Seaver, CA)
- 810 JAPAN, Tokyo, FEN, xInt EE ID 1240. (Ormandy, NZ)
- 818 UNID, OM in oriental lang 1215 9/17. Have no listing here for anyone. Def 818, setting up het w/WBAP remnants on 820. Fair-nil signal. (Hall-Patch, BC)
- +2/2 1440 fair carrier, no audio at all. (Korinek, CA)
- 820 AUSTRALIA, Glenn Innes, 2GL, fair 1300 4/26 w/ABC ID, 6 pips, then ABC nx. (Tomer, CA)
- 820 CHINA, Fujian, 11/24 1400 in good w/CC YL talking. (Korinek, CA)
- +2/16 1402½ in xInt w/YL in some oriental lang. (Korinek, CA)
- +6/14 1220 in weak w/YL in CC (I believe). (Korinek, CA)
- 820 NORTH KOREA, Najin, possibly the source of strong KK by quick YL o/WBAP 9/13 1136. (Rittenhouse, CA)
- +Unid KK 1335 9/13 KK chatter fair. (Newell, BC)

+10/11 0945 //876 w/WBAP nulled. At 1300 _____ pips weak u/
 XESB. Usually alone after 1330. Others have rptd HLCN here
 & said it is KBS. WRTH lists HLCN as MBC net. NK pips are
 also similar to NHK but are distinguishable. (Seaver, CA)
 +1400 10/20 fair-good w/martial mx before hour, YL talk, pips
 on hour, then OM talk. Don't know if this is my unid on 818
 some weeks ago. Has it been known to drift? (Hall-Patch, BC)
 (N.K. has been reported on 813, 816, 817, & 820 in the past
 year or so while WRTH lists outlets on 820 & 813. I suspect
 820 is stable, while 813 drifts. ed)
 +11/7 1232 //876. Fair good sig w/some QRN. YL talking as
 usual. (Kaskey, CA)
 +Has become routine on SM lately. 11/14 1330-1400 //876 w/YL
 talk (sounded like a political speech or church sermon, hi).
 Also 11/21 same time w/fair-good sig. Very minor QRM noted.
 KGO on at 1400 unfortunately. (Kaskey, CA)
 +NK pips (---) 1300 11/28 //876. Also w/darn good sig 11/29
 1123-1130 o/WBAP. (Kaskey, CA)
 +Mostly weak, well o/WBAP, fading up to reasonable proportions
 occasionally 1050 11/29. Singing & talk in KK. (Peterson, CA)
 +O/u WBAP 12/5 1324 //877. (Kaskey, CA)
 +1357 2/24 mx, male chorus, 3 low & 1 high pip on hour, then
 female talk. Good level. (O'Hare, WA)
 +3/8 1349 w/YL CC talk; fair. (Bixby, CA)
 +Prob the one w/potent sig 1300 4/26. No pips; had emphatic
 KK talk like that hrd on other NK stns. (Tomer, CA)

820 UNID, an oriental peaked to S-6 well above WBAP & the static
 1250 8/21. (Meehan, CA)
 +2 TPs noted 1354 9/26, dominant had oriental mx, while other
 had emphatic KK talk, both in fairly well but KGO threw on OC
 at 1355 destroying both. Neither hrd 10/3 but KGO on at 1300
 also. (Kaskey, CA)
 +NIK type pips 1300 2/14. Choppy audio & too weak to draw any
 conclusions; looped TP. (Tomer, CA)
 +2 weak stns here 1215 3/27; one w/YL in CC, other w/YL in KK;
 the KK was usually on top. No ID or pips or hr. (Tomer, CA)

830 AUSTRALIA, Sale, 3GI, 6/10 1200 assumed this was the one w/ABC
 pips 1200 through a weak KIKI. (Korinek, CA)
 +Likely the one w/5 or 6 pips u/WCCO 1000 8/27---exact pip
 count not possible as I was half asleep & didn't have the tape
 recorder running, hi. 844 in well at the time. (Portzer, WA)
 +9/5 1355 most be the cool jazz //820. Funny that 2GL was
 stronger. 3GI poor, 2 GL fair. (Newell, BC)
 +6 pips hrd 1159 9/20, all pips same tone & duration, then very
 weak "This is R. ..." into inst mx; KIKI QRM. (Oliphant, AB)
 +Probably the one w/Australian nx 1303 9/27 momentarily atop
 KIKI. Had strong sig for a while. (Godwin, OR)
 +1305 4/26 in w/good strong sig easily overriding the everpre-
 sent KIKI w/ABC nx. (Tomer, CA)

830 AUSTRALIA, Geraldton, 6GN, hrd 3/20 2200 w/TC & National nx.
 Fair-good w/fading. (Baker, S. Africa)

830 HAWAII, Honolulu, KIKI, in loud & alone after WCCO fadeout
 6/25, rr mx, KIKI editorial 1310. (Tomer, CA)
 +ID 1200 9/7 & rr mx. Thought this was WCCO at first due to
 sig strength, went to null them out to see how KIKI sounded &
 got quite a surprise at the null angle which led to JJ log-
 gings. Also hrd 1229 8/29 w/same pgmning. (Oliphant, AB)
 +Still there 1300 9/27. I had hoped it would be off MMs.
 (Godwin, OR)
 +0620 10/18 fair-poor w/rr mx, contest promo. WCCO OC on 0632.
 (Moss, CO)
 +Man ID 0720, rock mx, came in strong enough o/WCCO. Loop null
 WCCO 10/30. (Wilson, CA)
 +11/19 1355 in good as usual w/rr mx. (Korinek, CA)
 +Nx 1027 1/31. (Critchett, CA)
 +3/2 1407 w/rr, 1410 TC, spot for local theatre group & "KIKI"
 ID fair-poor. Also 3/8 w/near local strength! (Bixby, CA)

830

JAPAN, Osaka, JOBB, JJ & WCCO together in, & above the static
 1238 8/21. (Meehan, CA)
 +9/5 1308 S9 o/KIKI & 3GI. Funny that TPs & DUs would mix like
 this. (Newell, BC)
 +First noted u/KIKI 1204 9/7 but too weak to identify. Fight-
 ing it out by 1231 //770. Other JJ on 750, 700; checked 655
 & 1040 but nothing noted. (Oliphant, AB)
 +1305 9/13 xlnt sig on JJ talks but only fair quality, also 131:
 1313 9/13 to S9+, also 1327 9/19 good. (Newell, BC)
 +Usual good self 9/7 1234 & 9/13 1157. (Pejza, CA)
 +First TP of the season w/pips 1000 9/6. (Peterson, CA)
 +1505 male talk S9+ o/WCCO, fadeout 1512. (O'Hare, WA)
 +S5 1356 9/26; mixing w/KIKI 10/3 from 1243, up to S7 1308 &
 1330 but deep fades would bring KIKI atop often. (Kaskey, CA)
 +Man talk in JJ. Thought I hrd pips, mx on hour coming in
 strong w/WCCO nulled w/little fading 1200-1245 9/26. (Wilson, CA)
 +10/9 S6 1251; o/u KIKI 1333, atop 1412 & still S4 sig 1428.
 (Kaskey, CA)
 +Still one of the TP powerhouses, e.g. SM 9/19 1205. (Pejza, CA)
 +10/18 0940 w/EE lesson about what to say at breakfast time.
 Good signal. (Lobel, CA)
 +10/26 1400, ID, mx 3 pips, long tone. (Wilson, CA)
 +10/25 1040 w/same EE lesson as JOIB-750. (Lobel, CA)
 +EE lesson 10/25 1105. (Nebron, CA)
 +Identical to JOUB s/off w/Music Box 10/31 1500-05. (Kaskey, CA)
 +Way on top 0919 11/1 w/JJ talk. Other times was trading top
 billing w/WCCO. (Peterson, CA)
 +11/1 1350 w/all EE lessons u/WCCO. (Lobel, CA)
 +11/8 1020 in JJ. Followed by EE lesson on cooking. In null
 of WCCO. (Lobel, CA)
 +0705 11/22 w/JJ talk u/WCCO. (Orren, WA)
 +Hrd w/EE lessons 1332 11/8 fighting it out w/WCCO. (Oliphant, AB)
 +11/24 1406 JJ talk by OM o/KIKI. (Korinek, CA)
 +Traces of male JJ talk filtering through WCCO 0836 12/20.
 (Portzer, WA)
 +1/9 1211 in good o/WCCO w/JJ talk by OM. TPs seem to be pick-
 ing up again. (Korinek, CA)
 +1/24 1238 //750/770. (Lobel, CA)
 +Noted 1410 2/11 w/JJ talk. Weak w/occ fadeups. (Tomer, CA)
 +2/23 1430 OM & YL w/FF lesson in JJ - pretty wild! Good S9+
 sig. Still there w/ID & time pips 1500. (O'Hare, WA)
 +Good male talk all alone. By far always the strongest Japan-
 ese stn here 1353 3/2. (O'Hare, WA)
 +3/5 1407 OM talking in JJ fair-good, fighting it out w/a
 Mexican. (Hall-Patch, BC)
 +Fair w/SS lessons 1410 3/25. (Tomer, CA)
 +Good w/OM in JJ 1245 4/2. (Hall-Patch, BC)
 +Fair 1235 5/26; JJ talk. (Tomer, CA)

830

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THAILAND, Bangkok, something in oddoriental lang o/u JOBB 9/13
 1139-1142. Bangkok a good bet as carrier on 843 & DYLA traces
 on 1555 suggest Thai/Philippine area opening. (Rittenhouse, CA)

835

CHINA, Nanchang, fair w/man in CC 1234 8/21. (Meehan, CA)
 +Only a carrier 1121 9/6. (Pejza, CA)
 +Assumed to be China w/carrier 1045 9/6. (Peterson, CA)
 +Blockbuster sig even audible on stereo 9/12 1307, 9/13 1137,
 & many other rechecks. (Rittenhouse, CA)
 +1155 9/8 martial mx, brief YL talk, more mx, then long pips
 across the hour based by KTAC(!) slop. Nill-fair sig.
 (Hall-Patch, BC)
 +1241 9/9 poor, 1259 9/9 fair w/"Internationale" 1305 9/13 poor,
 1313 fair, 1218 9/16 fair w/xlnt sigs & Mao CC talks 1247 CC
 Mao talks good. (Newell, BC)
 +Here w/continuous NA 1255-1301 9/9. (Young, CA)
 +10/9 weak audio 1332, better 1411 w/CC singing. (Kaskey, CA)
 +Xlnt 10/11 1322. This is only a het until about 1130 then
 gradually builds up, due to southern location. (Seaver, CA)
 +Hrd w/pips (5 med, 1 high) 1300 10/17 & 1400 10/24. (Kaskey, CA)
 +Pounding in w/wild CC singing 1437 11/4. (Portzer, WA)
 +Strong 11/5 1415 & 11/8 1413 w/YL in CC. (Kaskey, CA)

- +Hrd regularly 1100-1400. On 11/13 at 1300, they had a play across the hour, 6 pips o/machine gun fire.. On 11/14 1300 a patriotic song, YL talk w/no ID hrd. On 11/15 had tinkly mx to 1200, a pause, 6 pips clear, brief YL talk, "East is Red" anthem, YL ID as "Jiang-Xi Renmin Guangpo Dientai". (Seaver, CA)
 +5 pips 1300 11/13 & 5 & 1 11/21 1400. The latter were piped o/the operetta w/no break in the pgm. (Kaskey, CA)
 +11/24 1400 in xlnst w/YL in CC & pips (-----) lasting 10.4 seconds. (Korinek, CA)
 +Fair w/CC talk 1050 12/4. (Portzer, WA)
 +Male clear in CC. Thanks to the Autek for notching out 1 kHz het. 12/3 1211. (Manning, CA)
 +Noted after 1530 12/22; w/good sig 12/23 1345 & pounding in at 1506. (Kaskey, CA)
 +3/8 1349 w/YL CC fair. (Bixby, CA)
 +3/3 1235 strong carrier but weak noisy audio w/OM & YL talking --drama of some sort? (Hall-Patch, BC)
 +Fair w/OM in CC 1115 3/27. (Tomer, CA)
 +Revolutionary songs 1352 5/8. (Padula, Australia)
- 836 USSR, Mayak pgm noted here w/talk in RR by lady 1827 3/5. (Padula, Australia)
 +Kiev (presumed) w/inst mx, Ukranian anmts 2030-2035 5/9. (Padula, Australia)
- 840 AUSTRALIA, Rockhampton, 4RK, 6/25 w/EZL, accented EE. At 1300 hrd 6 pips, ABC ID, then nx. Very weak. (Tomer, CA)
 +9/5 1309 nx, "This ends the nx from the ABC...", fair & more powerful than 820, 830, or the unid 700. (Newell, BC)
 +Likely the 6 pips hrd u/NHK pips 1400 10/6. Some light mx notcd just before the hr but not sure if that was from JOQK or 4RK. (Portzer, WA)
 +Surely the one w/conclusion of "...nx from 4QR...ABC R. thru-out Queensland. It's 10 past 11." at 1310 9/28. This channel is pretty wide open & could be audible in Colo/Neb area around around sunrise I'd say. (Godwin, OR)
 +Weak 1315-1358 2/14 w/narrated cl pgm. Aussie anthem 1358, tncn suddenly off like someone pulled the plug. (Tomer, CA)
 +1330 4/26 likely the source of DU-accented EE looping DU. Weak & rapidly fading at local sunrise. (Tomer, CA)
- 840 JAPAN, Niigata, JOQK, 1255 9/18 fair w/OM & YL talk in what sounded like JJ. Fading u/KTAC slop across the hour but hrd NHK pips. 10 mins later only 4RK apparent. Freak reception as JOBB was very poor in null of strong KIKI & 655/647 only weak carriers at this time. No other TPs noted even as carriers. (Hall-Patch, BC)
 +Japan/Russia making usual mess of this freq 9/13 1137 w/JJ generally atop the pile. (Rittenhouse, CA)
 +Atop 10/3 1306 //JOHK. Poor-fair sig. (Kaskey, CA)
 +10/31 w/NHK pips 1400. Clearly rcvcd at time but freq was just a low rumble most of the AM w/little distinct. (Kaskey, CA)
 +11/6 NHK pips (. . . -) 1400 on tape. 11/8 w/exceptionally strong sig 1430 w/pgm of American Western songs. Mixing all AM w/USSR & HLKY. (Kaskey, CA)
 +Fair w/NHK 1 pgm 10/19 across 1200, NHK 3 pips & chime. (Seaver, CA)
 +Pips through WHAS 12/7 0800. Audio poor but pips boomed thru easily. (Kaskey, CA)
 +O/u HLKY 12/24 0500 w/pips. (Kaskey, CA)
 +In good 1400 2/14. (Tomer, CA)
- 840 RSFSR, Spassy Dalniy, Majak IS 1300 into RR w/female voice & possibly newscast 9/9. (Young, CA)
 +Midnight-in-Moscow chimes across hour 1400 10/3. Fair sig o/u JOQK whose pips blotted out the Russian. (Hall-Patch, BC)
 +Midnight-in-Moscow chimes strong 1359 10/5. Also hrd 10/4 & 10/6 same time but nowhere near as good a signal. (Portzer, WA)
 +Hrd well 10/8 1200 w/Majak chimes & 6 pips o/HLKY/JOQK. This is listed in WRTH as 1st pgm & local pgm; this is the only error in WRTH RSFSR listing I've found. (Seaver, CA)

- +10/17 1400 w/series of chimes IS, KGO slop difficult at times. YL noted talking at 1405. (Kaskey, CA)
- +10/24 w/much improved signal //575. Chimes & 6 pips 1300, then into RR w/man talking. 1400 same IS & pips. (Kaskey, CA)
- +Chimes & 6 pips o/HLKY (...-) 1400 10/28. (Kaskey, CA)
- +11/19 1405 in poor-fair w/RR talk. (Korinek, CA)
- +Atop JOQK 11/27 1359 w/Majak chimes & 6 pips. RR pips always about half through when JOQK starts 3&1. JOQK was however atop 1500 w/pips & mx box at s/off. 11/28 1500 RR atop as both hrd w/pips. RR unfortunately drowned out JOQK's call ID just before pips. RR into nx & JJ into s/off. (Kaskey, CA)
- +Great sig defying Murley's law 1400 11/13 for tape of IS, lengthy "Midnight-in-Moscow" chimes & 6 pips. Chimes at 1430 11/19 o/JOQK but no pips; 1400 11/20 mixing w/JOQK & HLKY. Hrd RR chime IS, 2 sets of pips & another chime IS. 3 stns exchanging w/each other rapidly during unstable cx. (Kaskey, CA)
- +Chimes 12/5 1329 o/JOQK. (Kaskey, CA)
- +Atop 12/23 1450. (Kaskey, CA)
- +Majak cl mx hrd 1129:30 w/TP looping, taped across ½ hr. Tape revealed 8-note chimes repeated 4 times beginning 1129:45, then voice for 30 secs, 3 note chime & into YL talking in unid lang. (Oliphant, AB)
- 840 SOUTH KOREA, Seoul, HLKY, presumed the one w/KK talk o/u the Russian 1356 10/4, then ..- IS 1400. (Portzer, WA)
- +Weak audio/mushy sigs 1249 but up for time pips, 3 low & 1 hi in quick sequence, at 1300. Mushy sigs next hr but HLKY in solid at 1411 for a few mins 10/9. (Kaskey, CA)
- +12/23 fair-good after 1440, good 1500, w/JOQK 12/23 1500, both w/pips. NIIK atop but HLKY then solid atop as JOQK s/off far below. (Kaskey, CA)
- +Most likely source of KK talk hrd briefly 1412 2/11. (Tomer, CA)
- 840 UNID, 10/10 1300 w/3 or 4 bars of probable IS, then pips - 5 low & 1 high. Is this Japan? (sounds more like China. ed) All sigs on 840 poor this AM. (Kaskey, CA)
- +1500 12/23 someone speaking in what sounded like KK. Fair sig At top of hour, ..- IS repeated several times. (Bytheway, WA)
- 842 UNID, carrier here 10/11 1135. (Seaver, CA)
- 843 THAILAND, Sakhon Nakon, surely the source of fair-good carrier looping TP 9/13 1136. This has made in to WCNA before & receptions on 830/1555 that AM seem to support this reception. No audio at this time but a spot to watch. (Rittenhouse, CA)
- 844 GILBERT ISLANDS, Tarawa, VS21, 7/25 0947 more than likely the carrier noted here next to WHAS. (Hanavan, CA)
- +9/6 w/native mx & talk 0757 weak but there. (Kaskey, CA)
- +The faintest bits of audio every couple of mins 0950-1005 9/6, then at 1005:20 hrd about 15 secs of GSQ w/apparent s/off 1006:15. (Oliphant, AB)
- +Fair 0835 1/31 w/man in EE talking about the Philippines; later at 0915 had YL talking in native lang. Carrier stronger than WHAS but audio usually weaker or nonexistent. (Tomer, CA)
- +1/31 0928 xint w/good audio, OM talk & mx, domestic NA(?) 0959 & GSQ 1003. Audio concluded 1005½, into 20 sec OC, then 10 sec TT, xr off 1005:47. Has been rxed here regularly lately especially when KOA slop is gone MMs. (Korinek, CA)
- +Hrd w/loud clear audio o/KTAC/KOA splash w/"beautiful mx" type insts 0715 2/15. By the time a YL started native talk about 0728, twas way in the mud. Some Polynesian mx followed, then OM talk. Nil-poor in cursed KTAC/KOA slop. (Hall-Patch, BC)
- +2/21 0934 in good w/YL talking in vernacular. (Korinek, CA)
- +Good sig & clear audio 0920 3/27 w/OM & native mx. (Tomer, CA)
- +Rlgs sounding mx 0953 3/20 w/deep fades. Weak talk 1000 followed by native chanting accompanied by ukelele type inst. GSQ hrd 1003 followed by 30 sec of tone, just can't get an ID out of this one. (Oliphant, AB)
- +Talk by man in vernaculars 0735 5/9. (Padula, Australia)

- 844 UNID, 1/22 0822 good carrier w/het but too much KOA slop to make out any audio. Probably Tarawa. (Korinek, CA)
- 845 USSR, another Majak outlet here, piano mx 1829 3/5. (Padula, Australia)
- 845 UNID, 10/9 noted het 1246 but nothing there at 1330 & 1404 checks. (Kaskey, CA)
- 850 ALASKA, Nome, KICY, punching SSB thru KOA 9/12 0949. Also good o/u KTAC at various times 9/13. KICY is the only AK which makes it consistently to CA on non-MMs. (Rittenhouse, CA)
+Made a rare appearance 3/7 1006-10 w/wx for N. Canada & Alaska. Nome was -31^{OF}. (Seaver, CA)
+Assumed to be the one w/a rlg's pgm in RR or an Eskimo dialect (more like RR) 1015 3/7. (Peterson, CA)
- 850 AUSTRALIA, Canberra, 2CY, 1310 4/26 w/wx & nx for NSW, ment of ABC R. 1, then began rlg's pgm. Good sig, KTAC nulled, new. (Tomer, CA)
- 850 NORTH KOREA, strong atop channel well o/all others 1028 9/20 w/talk & singing. (Peterson, CA)
+Very strong at times 10/11 0934, 0958-1001 w/- - - pips; o/nulled KOA at 1149. Seemed //655 0934. (Seaver, CA)
+O/u KTAC 10/19 w/YL & OM in KK 1338-1400 tuneout, very spirited talk. Fadeout 1400, back in 1401, did not catch any ID. 10 kw listed, too strong for that. (Williams, OR)
+10/18 0915 strong possibility w/oriental lang, XEFZ wiped out ID. (Lobel, CA)
+Definitely //655 noted atop KOA 11/27 1334 w/march mx, then male talking. 11/29 in good //655 1120 atop freq w/KOA off. (Kaskey, CA)
+Noted after KOA fadeout 1425 2/15. //655 but weaker w/children singing, KK talk. (Tomer, CA)
- 850 UNID, oriental noted 9/26 1355, still in 1408 w/lotsa talk & domestic QRM. (Kaskey, CA)
- 852 NORTH KOREA, noted here 12/13 0950 //655, 1100 pips (- - -). (Seaver, CA)
+Literally blasting in all alone not //877 1210-25 12/13 w/fairly sedate mx & talk for a change. Definite KK talk. This probably from 850. Strongest TP on the dial this date. (Peterson, CA)
- 853 NORTH KOREA, apparently the 850 KK drifted up a bit. Strong het noted 12/22 1351, then audio. Also noted 12/23 & 24 1345-1530. Audio compared w/655 & exactly //. Hoped for something much more exotic. (Kaskey, CA)
- 855 ^t INDONESIA, Mataram, RRI, probably the source of strong carrier looping SE Asia 1125-50 2/14. (Peterson, CA)
+As early as 1030 (8:30 pm local time), Moslem chanting thru to 1050 2/27. This appears to be the easiest batch of the new Indonesians & seems certain to be a marker for possible "good" Indonesian nights in coming months. (Padula, Australia)
+Fadein 0915 5/14. This is probably the easiest & strongest of the Indonesians to hear at the moment, even from here in Melbourne. (Padula, Australia)
- 855 UNID, carrier here 10/11 1201. (Seaver, CA)
+Het noted 0917 beating against KOA. Quite strong at times. Not hrd since. Hrd 10/19. (Kaskey, CA)
+S5+ carrier 12/13 1118. Definitely 855, not 854. Possibly Indonesia, loops south of Japan. (Seaver, CA)
+Carrier looping S. Asia distinctly separable & loopable from Peru-854 1200-4 1/17. (Peterson, CA)
- 860 NEW ZEALAND, Rotorua, 1YZ, 0930 11/1 after snatch of orch mx hrd "This is the National Pgm of R. New Zealand. The time is

now half past 10(they're on daylight time?). Fair-poor sig.
The 660 stn also suspected but not IDed. (Hall-Patch, BC)

- 864 t INDONESIA, Cirebon, RRI, strong carrier 1200 2/7. Strongest signal yet but no audio. (Peterson, CA)
+Probable source of strong carrier 1145-1200 2/7 & 1150-1205 2/14, looping to SE Asia, no audio. (Peterson, CA)
+Around 1358 5/8 w/ID 1359. (Padula, Australia)
- 864 UNID, carrier here 10/11 1155. (Seaver, CA)
+10/10 strong het noted 1307 but no audio. (Kaskey, CA)
+Intriguing & elusive sig here S6 at best, some audio 12/5 1205-1300. Deep-voiced male in non-CC, non-KK, Austronesian-type lang. Only a carrier 12/6 1130. (Seaver, CA)
+12/15 1143-50, only traces of YL & OM, S7 at times. Also loops South of Japan. (Seaver, CA)
+Carrier looping Philippines/Indonesia/Aussie area noted here 1130 1/10. Not a peep of audio. (Peterson, CA)
+Carrier still here 1205-25 1/17 but not a peep of audio the whole time. (Peterson, CA)
+Carrier very weak, no audio, 1230 1/31. (Peterson, CA)
+Probably Indonesia, carrier hrd fairly often in 1200-1300 period. 3/11 1217 fair carrier, no audio. 3/14 weak audio 1253, soon faded. 3/6 OM talk, some mx 1240-1300, faded on hour. If this is 10 kw Cirebon, it gets good mileage (Cirebon is on N coast of Java, named Tjirebon on older maps). At times I've hrd audio, this was not //4719 Ujung Pandang. Will someone more knowledgeable of Indonesian stns comment on programming, when is local, when RRI pgm, etc. (Seaver, CA)
- 867 t CHINA, just a carrier 1048 9/6 but audio hrd weakly 1033 9/20. (Peterson, CA)
t + CC here 10/11 1131 too weak to copy. May be listed Nanchang-865 or an 870 variant. (Seaver, CA)
- 868 t CHINA, on this freq & weak 1203 3/7. (Peterson, CA)
- 870 HAWAII, Honolulu, KAIM, 8/21 0641 orch cl mx until IDed 0703 fair in WWL null. (Newell, BC)
+12/30 fair during WWL fades w/quiet mx & KAIM ID 0530. (Tomer, CA)
- 870 ● JAPAN, Kumamoto, JOGB, in JJ 1212 9/13 //830. Other JJ on 700 & 750 this AM. JOGB also hrd 1221 9/14 w/no WWL.(Oliphant,AB)
+Poking through w/JJ //JOB 9/13 1208. (Rittenhouse, CA)
+JJ talk SM 9/19 1211. (Pejza, CA)
+Fair-weak 1244 10/9, o/u KIEV 1329 & atop KIEV 1357.(Kaskey,CA)
+Poor-fair 10/3 1249, lost when KIEV s/on 1300. (Kaskey, CA)
+Faint in JJ 1022 11/8. (Orren, WA)
+11/8 1305 a strong suspect mixing w/another oriental. Too much QRN to get anything useful. (Lobel, CA)
+JJ talk fair 1220 2/14. Mixing w/China in CC talk. (Tomer,CA)
+2/19 1335 in poor-fair w/OM talk in JJ. (Korinek, CA)
+All alone on freq w/male in JJ steady S9+ 1330 3/8.(O'Hare,WA)
+Strong w/JJ 1350 3/25. (Tomer, CA)
- 872 USSR, Majak theme 2000, then RR talk 3/5. (Padula, Australia)
- 874.3 NORTH KOREA, Wonsan, down from listed freq. Poor-fair w/usual garbage 1010 9/6 & 0945 9/20. (Peterson, CA)
+9/20 1103 man & woman ancrs in KK. 1110 march mx followed by 3 chimes, female ancr 1115, then at 1120 OM & YL ancrs (same as at 1103). WW slop too much by 1127. (Lobel, CA)
+Blasting per usual w/KK OM 9/13 1142. (Rittenhouse, CA)
- 875 NORTH KOREA, Wonsan, in fair 0950 2/28 w/the usual programming. (Peterson, CA)
- 876 NORTH KOREA, Wonsan, 9/27 w/3-note ascending chimes 1100, no pips, then anmt & into martial mx. (Seaver, CA)
+11/6 w/pips (---) 1400. 11/8 bombing in w/martial mx 1400-

1410. (Kaskey, CA)
+0942 11/8 w/carrier & faint audio //655. (Orren, WA)
+1401 11/8 bombing in w/talk & possible R. Pyongyang ID by man.
(Bytheway, WA)
+1252 3/6 just a carrier in CJVI splat. (Hall-Patch, BC)
- 877 NORTH KOREA, Wonsan, fair-poor 10/3 1250 w/KK talk but improved
immensely 1300-1405, beating upon 880 signals. (Kaskey, CA)
+Good w/KK talk 1402 10/6. (Portzer, WA)
+In w/strong carrier but below par audio 0924 11/1; surprisingly
poor performance. (Peterson, CA)
+Usual loud female in KK 1215 12/3. (Manning, CA)
+One of the earliest TPs to arrive. 11/30 0830 & 12/7 0805.
Usual programming. (Kaskey, CA)
+In & out all AM 12/23. Pretty good 1500-1530. (Kaskey, CA)
+Just a carrier 1045 1/17, but quite good by 1245. The usual
gab. (Peterson, CA)
+Landmark sig OM 1020 3/6. (Rittenhouse, CA)
+Orch mx & YL 1118 3/27. (Tomer, CA)
- 878 NORTH KOREA, Wonsan, het & weak audio 1242 10/9, same at 1328
just strong OC 1357 but audio back 1402. (Kaskey, CA)
- 880 AUSTRALIA, Brisbane, 4BH, I'm 90% sure is the GU frequently
hrd the week of 9/12-20 1300-1400. Style is "easy listening"
mx w/few anmts. Nx begins 1300, concluding at 1304 9/19 when a
call ID was hrd approximating 4BH. Completely clear freq w/
Asians looped so this one should be widely hrd WC. (Godwin, OR)
+9/14 coming in at fantastic levels 1315-1415 w/usual PZL. ID
1327 as "it's 11:27 at 4BH beautiful mx", then spot for "Barry
& Roberts Super Market". Wx in Sydney & Canberra stated as bei-
ing "fine". Entertaining promo about the history of 4BH
unfortunately faded out. (Tomer, CA)
+Tentatively the one w/nx, then wx 1302-04 9/26. Seems to have
anmt at 1318 or so, then nx again 1400, then more "Living
Strings" type mx beginning 1405. I still haven't gotten a soli-
d clear ID on this one, although I try every AM. (Godwin, OR)
+Fair during fadeups 1445-1500 s/off 2/13. Usual "Beautiful
Music" w/commercial spots. (Tomer, CA)
+3/25 fair w/Australian nx 1400 "4BH, Beautiful Mx" ID 1403,
then lengthy spot by OM & YL, ID again 1405, then into EZL.
3/27 1100 noted again w/mx box IS preceding hourly nx. Can't
believe pwr on this is only 5 kw. (Tomer, CA)
- 880 CHINA, Foochow, mixing w/JOPK o/KRVN remnants 9/13 1209 w/CC
generally dominant. (Rittenhouse, CA)
+Time pips 10/31 1500 (_ _ _ _). (Kaskey, CA)
+Intermixes w/JOPK & HLKI every AM. Noted w/pips 1400 11/5.
(Kaskey, CA)
- 880 JAPAN, Shizouka, JOPK, fair-good 9/14 1300-1400 w/JJ talk, NHK
ID & pips 1400. Much QRM by China & others; 880 a jam packed
freq this AM. (Tomer, CA)
+JOPK & unid hrd 10/3 1302. Dominant stn not //JOHK-890 w/talk.
Both w/good sig 1400 when tuned in & hrd dominant stn give 5
low & 1 high pips, immediately followed by 2 mid-scale, 1 low-
er pip (possibly partial time sig drowned out by the louder
one). Secondary stn then noted running //JOHK-890 so assume
was JOPK. Dominant stn just talk/talk. (Kaskey, CA)
+Xlnt-good w/light mx, NHK pips, then male talk 1400 10/8.
(Portzer, WA)
+Atop 10/31 1410 w/NHK 1 //JOJK-840, fair. (Kaskey, CA)
+W/China & HLKI QRM 11/5. NHK pips 1500 not clear enough for
specific ID. 11/8 noted 1503 w/mx box s/off through several
others. (Kaskey, CA)
- 880 NEW ZEALAND, Auckland, 1YC, 3/27 the probable source of cl mx
0945-1015 mixing w/"pest" 4BH; both u/the looped out Cuban. I
have yet to ID this one. (Tomer, CA)
+Good w/drama or whatever it was //660 0855 4/11. (Portzer, WA)
+5/23 0743-0805 w/pgm //2YC-660, ments of R. NZ, & BBC play

that continued through 0800 w/o interruption or ID. Weak but few fades. (Tomer, CA)

- 880 SOUTH KOREA, Taejon, HLKI, atop 1330-1400 10/8 //HLKB-890. KBS ID & pips 1400 (3 lo, 1 hi) atop JJ et al w/good sig at times, esp at 1350. Pgm was mostly OM talk. Also 10/9, KRVN strong o/weak UFO 1241, 2 UFOs 1325, one w/CC opera mx. HLKI w/KBS ID & pips 1400. Fair audio o/878 het & CC, still audible & atop at 1427. (Kaskey, CA)
+U/CC 11/28 1516 w/male talking. However, easily identifiable as //HLKA-706. Sig lasted much longer this AM than they have since early November. (Kaskey, CA)
+Atop 12/2 1500 w/pips, 3 low & 1 high. Strangely enough KRVN was still audible on E/W beam of SM-2. (Kaskey, CA)
+Weak but audible, mixing w/KRVN 1408 2/24. (O'Hare, WA)
+Fair 1200 3/27 w/"HLKH" ID by OM & 4 pips. (Tomer, CA)
- 880 UNID, was taping this freq 11/8 1400 & had at least 3 stns there, none all that clearly. However, pips came through L&C & although replayed many times, this is what I have:(.). Have hrd 2&1, 3&1, 4&1, & 5&1 but this is the first time I've hrd 1 quick low note followed by a long high note.(Kaskey,CA)
+Have hrd same set of pips atop each other on 3 occasions lately. Dominant is 4 low & 1 high; secondary is 2 low & 1 long high. Hrd & taped 11/11 1500; 11/14 1500 & 11/20 1500. Neither likely to be JOPK as no mx box s/off noted thereafter. Prob HLKI & Fujien. (Kaskey, CA)
- 885 ^t MALAYSIA, Kuala Lumpur, 1327-1342 10/14 w/jazz pgm. Very weak, OM in unid lang 1330 seemed //4985 SW. Could not get sufficient audio to ID language. (Williams, OR)
+11/19 1230 w/6 short pips (.), YL talk in non-EE, faded soon. Note that Malaysia is on GMT+7½, so pips & ID are on our half-hour. (Seaver, CA)
+Probably the strong carrier 1210-35 2/7 & 1225-35 2/14. Sure would like to get some audio here. (Peterson, CA)
+Blockbuster carrier but no audio 1210-30 2/7. (Peterson, CA)
+EE nx 1354 5/8. (Padula, Australia)
- 885 UNID, SAH & then carrier noted 10/11 1133, 1150, & 1203. XEMO on at 1205 wipes out 840-885. (Seaver, CA)
+Carrier in ojce more, late morning only which indicates SE Asia & also looping S of most TPs 1310 11/1. (Peterson, CA)
+Weak carrier detected w/BFO 1434 11/4 & seemed to have bits of audio on it, but quickly faded back into the QRN. (Portzer,WA)
+Carrier very weak, no audio 1235 1/31. (Peterson, CA)
- 887 UNID, carrier looping TP/LA 1035 2/14. A N. Korean listed so perhaps them. Freq def 887, not 885. (Peterson, CA)
- 890 ALASKA, Adak, AFRS, could be the stn noted w/weak pop mx u/WLS 9/13 at various checks 0610-0715. Too early for much TP QRM & little else likely on a good AK night. (Rittenhouse, CA)
- 890 AUSTRALIA, Adelaide, 5AN, noted 1559 7/25. This time is much later than normal due no doubt to the Olympics. Was hrd w/a good signal. (Baker, S. Africa)
+Possibly the weak stn w/6 pips 1300 9/20, essentially in the clear w/the Asians looped. (Godwin, OR)
+1300 11/19 pips -----, almost no audio, then s/off 1332, TT to 1340½. This is just leftovers from numerous tentatives on 890 in Oct, only one of which was a possible ID at 1300. Seems odd pips would be on the hour; Adelaide is GMT+12½. (Korinek, CA)
(I've noticed the same thing; might be a national network feed)
+1214 12/13 was perhaps the faint easy listening mx. (Orren,WA)
+2/18 1325 in nightly now w/fair sig, nat'l nx & wx, into s/off following GSQ 1331. Usual TT till after 1332. KBYE usually gone by this time but JOHK comes & goes. (Korinek, CA)
+Hrd here 3/20 1949 w/mx & ID "ABC Radio". Fair sig w/QRM & QRN. (Baker, S. Africa)
+Assumed the source of quiet flute mx looping DU 1245 4/26.

- Good sig. (Tomer, CA)
 +Weak 5/11 1100 w/ABC ID & 6 pips. (Tomer, CA)
 +I believe is the one w/rock mx looping the proper direction
 1310-1400 several AMs lately. (Godwin, OR)
 +6/10 1211 in fair-good almost nightly here after 1100 w/typical
 flute mx, etc. Not Fiji. (Korinek, CA)
- 890 JAPAN, Sendai, JOHK, NHK pips 1300 9/7; mixing w/another, I
 think, giving what sounded like sports BC; maybe S. Korea.
 (Pejza, CA)
 +10/3 NHK ID L&C 1257 after mucho talk. Time pips 1300 but
 tuned into the middle of them. Had generally good sig until
 after 1415. Another stn far below but JOHK atop the entire
 time. (Kaskey, CA)
 +11/8 1315 in JJ. Mention of Sendai & NHK. (Lobel, CA)
 +11/8 mixing w/HLKB & who knows all AM but mostly w/poor sig.
 Mx Box s/off theme pretty good 1503. (Kaskey, CA)
 +11/15 1330 JJ here must have been this one. Male ancr in fast
 JJ. No apparent ID. Lots of QRN. (Lobel, CA)
 +11/24 1345 in fair w/JJ talk by OM o/KBYE. (Korinek, CA)
 +U/HLKB 12/23 1500, s/off o/uHLKB, NHK pips 12/11 1200 followed
 by nx. (Kaskey, CA)
 +1/10 1005 likely suspect in null of WLS w/JJ male ancr. Lots
 of QRN. (Lobel, CA)
 +In weakly 1449-1500 2/11 w/JJ talk; pips & ID 1500. (Tomer, CA)
 +Good w/JJ play 1225 3/27. (Tomer, CA)
 +3/28 1117 must have been the JJ male ancr. (Lobel, CA)
- 890 SOUTH KOREA, Pusan, HLKB, very weak but distinctive w/"KBS"
 network ID followed by call letters "HLKB" 1300 9/23. I get
 good separation here between HLKB & SAN just by turning the
 loop. (Godwin, OR)
 +Presumed w/KK talk 9/15 11/36 & 9/19 1212. (Pejza, CA)
 +10/8 //880 & atop freq 1330-1400. (Kaskey, CA)
 +11/28 1518-1528, good sig & JJ pgm; some QRM from Adak fading
 in & out. ID in KK 1528 "KB". (Williams, OR)
 +Xlnt strength 12/22 1515-1535; in & out w/JOHK 12/23 after 1440
 o/u JOHK 1500 w/pips, both w/3&1. In til 1530 fadeout.
 (Kaskey, CA)
- 890 SRI LANKA, TWR is to begin tests here w/400 kw. Pgmning will
 be in Indian & S. Asia langs, except for EE, Sinhala, & Tamil,
 which are prohibited by contract terms. The relay will become
 operational in early 1977 using 2 575' masts beamed to India.
 (Various sources)
- 890 UNID, several noted 9/19 & 9/25. On 9/25 dominant stn was //
 840. Had informal talk between men & American rock selections
 1320-1330 & sporadically 1330-1400. Time pips at 1400 were 4
 low & 1 high. Either HLKY & HLKB or JOQK & JOHK, I suppose.
 (Kaskey, CA)
 +China? 10/27 1431 YL fairly strong in CC talk. (Williams, OR)
- 900 TAIWAN, Tahnsui, BED96, good in CC 1235. (Ormandy, NZ)
- 918 CAMBODIA, Phnom Penh, fadein w/Cambodian songs & anmts 1130
 5/14. (Padula, Australia)
- 927 INDONESIA, Pekanbaru, RRI, Indonesian mx & local ads 1054; one
 of the newest of the RRI's. //5885 SW 5/13. (Padula, Aust.)
- 934 USSR, Home Service IDs 2100, continuing in RR pgm 2115, fade-
 out 5/11. (Padula, Australia)
- 940 HAWAII, Waipahu, KAHU, 1108 3/28 w/"Country Style K-A-H-U,
 Country 94" ID by YL. (Tomer, CA)
- 950 CHINA, R. Peking, new RR Service, s/on 1730. Irregularly Cen-
 tral PBS is relayed around 1700-1725. It's 100% sure that this
 service is via Heilunkiang xr. QRM from JOKR & jamming-like
 carrier. (Kawaguchi, Japan)

- 954 INDONESIA, Kendari, RRI, early fade-in, from 0954 w/local ID 0959 5/9. (Padula, Australia)
- 955 BURMA, Rangoon, XZK1, BBC, EE s/off 1559. (NZDXT)
+Good w/EE ID s/off 1200. (Ormandy, New Zealand)
- 963 INDONESIA, Jember, RRI, fade-in 1040 w/Indonesian vocals 5/13. (Padula, Australia)
- 972 INDONESIA, Surakarta, RRI, gong mx, typical of Ramayana Ballet Orchestra 1036. (Padula, Australia)
+Presumed RRI on AN 2/26, Indonesian ballet, possibly Ramayana, w/plenty of gongs by gong orchestra in 1930-2000+ period; still audible 2005, well past local daylight here. Also hrd on SW //4932. (Padula, Australia)
- 973 RSFSR, Yuzhno-Sakhalinsk, putting in weak audio o/970 slop 9/13 1143. (Rittenhouse, CA)
+Only het noted 10/8 & 10/10 1245-1400. No audio. (Kaskey, CA)
- 975 CHINA, Harbin, just a carrier 9/13 1143. (Rittenhouse, CA)
- 990 AUSTRALIA, Perth, 6PM, noted 1727 4/8 w/pop mx & ID. Fair sig but heavy QRM & QRN made copy difficult. (Baker, S. Africa)
- 1000 NEW ZEALAND, Tauranga, LZD, poor-good 1/17 0940-1008. Talk & mx of the 20's, nx, sports (horse racing results) & very complete wx forecast 1000. No sign of KTOK, WCFL off. (N.Hardy, WA)
- 1000 UNID, hrd 3 pips like KBS's 0800 10/25, then KK talk by OM at good level. Did not hear KBS ID; stn faded by 0810 & did not return. (Tomer, CA)
- 1005 MALAYSIA, Malacca, local mx & Malay anmts 1130 5/13; Islamic chants 1403 //1055 5/12. (Padula, Australia)
- 1010 JAPAN, Osaka, JONR, in fair 1050 9/6 w/talk in JJ. (Peterson, CA)
+Asahi Hoso was in 1335 11/1 w/talk in JJ & steady signal. (Peterson, CA)
+Taped 1045-1105 11/9 atop EE & SS QRM. Good ID & pip 1100. Replaying tape several sets of pips at 1100. One has 5 distinguishable notes, all of same pitch. Who knows, maybe the Russian, or Chinese, or KGO image...? (Kaskey, CA)
+Atop 12/1 1002, men talking, gongs gonging & MOR mx in JJ. Noted in passing 12/7 0900-1130 also. (Kaskey, CA)
+Briefly even w/XEHL 12/4 1059, pips (- - -, 4 sec sequence, same pitch) on the hour presumed JONR. No positive ID hrd. (Seaver, CA)
+12/8 w/ID 1000, 1 pip hrd, 2 other sets of pips noted in background. (Kaskey, CA)
- 1010 NORTH VIETNAM, Hanoi, dominant o/7EX, Vietnamese nx items 2116 5/14. (Padula, Australia)
- 1010 PHILIPPINES, Zamboanga City, DXXX, 100 kw, is the Philippines' reply to Tuaran-1475. Has been hrd so far in Australia, S. Africa, & Sweden. This supercedes DXJW, 1 kw, which was operated by the defunct ABC-CBN Broadcast Corp. Stn was originally set up by A.J. Willis, an American. (Taylor, IN)
- 1010 UNID, 1155 2/21, JJ, not CC, apparently Japanese commercial stn. Top of hour pips runied by QRM. CFRB up at 1200, lost pips. (Heald, CA) (Probably JONR. ed)
+Hrd 1458 4/8 w/pop mx & anc'r w/what sounded like Aussie accent, poor sig, fading. (Baker, S. Africa)
- 1015 UNID, very strong het on high side of 1010 noted 10/10 1250 & 1325, was battering PSA powered KIQI between 1300-1330, but could not get any audio. (Kaskey, CA)
- 1017 PHILIPPINES, Quezon, DXED, noted in passing when gave ID by man 1136 5/14. (Padula, Australia)

- 1020 RYUKYU ISLANDS, Okinawa, JOFF, FEBC, tonight at 7:57:30 JST (1057:30 L/16, GMT) JOFF signed-off for the final time, after 20 years of service to the people on Okinawa. In accordance w/the 1972 Reversion Agreement signed by the U.S. & Japan, all non-military radio xrs/stns were to cease operation by May 77 (this includes the VOA outlets on 1178 & SW as well). In the final s/off anmt, FEBC pres Dr. Robert Bowman stated the BoD had decided on the earlier final s/off date in order to allow the majority of the JOFF staff to be transferred to a new FEBC stn on the island of Saipan. The new stn is to operate on "around 940 kHz" & should be operational "in about 3 mos. from now." The new stn will xmit in EE during the early evening hours 0800-1200?? (Hardester, Okinawa) (Frequency was reported as 1019.992. ed)
- 1020 CHINA, 1300 9/16 poor in null of KGBS. Presume this is the one as hrd "East is Red" in 2-part chimes, followed by muffled OM talk (ID?) & chimes again. (Hall-Patch, BC)
 t +Poking through w/CC yak around 1220 9/13. (Rittenhouse, CA)
 +Believed to be the one o/u KGBS w/oriental talk (sounded KK) 1439 11/4. 2.5 Hz SAH between them. (Portzter, WA)
 +CC talk o/u KDKA 1012 11/8. (Orren, WA)
 +12/7 noted 2 TPs 0925 in KDKA null. Strongest was playing cl mx, the other w/talk. Sig quite good at times. At 1000 stn atop at the time was CC w/5 low, 1 high 11 sec pip sequence, the other seemed to have a 2 or 3 note IS or pip but covered by CC. 1000-1045 only CC hrd, //835. 1045-1100 sigs were much poorer w/little discernable. Pips surfaced 1100 were 2 low & 1 long high. This not the same stn that was hrd 1000-1045, but may have been the secondary stn 0930-1000. At 1112 only KDKA audible on freq. At 1137 TP there weakly but not //835. My theory: 0925-1000 dominant stn w/5&1 pips 1000 //835 was Chang-chun carrying CC 1st pgm. Fujien Front BC not likely because neither 835 or 880 CC was more than extremely weak & 1020 was in well. 835 & 880 did not send much strength here until around 1115 when 1020 was almost completely out. Also 1040 w/u WHO 0930-1100, yet 877, 647 & other northern stns were in well at the time. Also, could it be that MBC net in S. Korea is using 2 low & 1 high pip nowadays? Had thought HLKY used 2&1 earlier this year & now here on 1020 at 1100. If so HLAW likely. Will keep trying. (Kaskey, CA)
 +12/8 0900 w/5&1 11 sec pips solid atop. (Kaskey, CA)
- 1020 UNID, KK 1317 9/9 KK YL chants could be China or S. Korea. Hamhung?? (Newell, BC)
- 1030 CHINA, fair o/u KCTA w/YL yakker & 5 low, 1 high pips 1200 11/8. (Portzter, WA)
- 1030 UNID, Oriental noted w/Opera & singing 1353 10/3 w/poor-fair sig. Tried to find a // on CC & KK freqs but 1030 had faded out by 1410. (Kaskey, CA)
 +Good sig 10/8 1355 w/YL talking in CC. 10/9 noted w/distorted audio & YL jabbering 1354. Have not stayed on freq at top of hour for possible ID as yet. (Kaskey, CA)
 +Sounds very much like 835 CC but usually too weak & fadey to ID. 11/27 1351 in KTWO fade & 11/29 1115 w/KTWO off. Some day I'll stay on this across the hour. (Kaskey, CA)
- 1040 CHINA, Changzhou, weak w/same old talk stuff 1335 7/27. (Clements, CA)
 +Cl type mx followed by lady ancr 1227 & man ancr 1231 8/21. (Meehan, CA)
 +NA played 1322-1327 tuneout 9/9. Strange circumstances until I learned of Mao's death. (Young, CA)
 +What would be a TP season w/o this one? Potent at every pass 9/12 & 13; even audible on stereo w/no external antenna 9/13 1145. (Rittenhouse, CA)
 +Very weak in JJ 1053 9/6. (Peterson, CA)
 +Poor 1245 9/7 but booming in 1131 9/13. (Pejza, CA)

+1251 9/16 S9 on loop w/JJ talks. (Newell, BC)
 +Good 10/3 1338, very loud 1353 & holding strong 1413.
 (Kaskey, CA)
 +Man & woman talk in JJ 1300-1330 9/26 w/good signal. Also hrd
 9/25 1330 w/less static. (Williams, OR)
 +Remarkable sig 10/8-9-10 til past 1430. (Kaskey, CA)
 +10/25 1143 in null of WHO w/JJ talk by male ancr. Good sig but
 some QRN. (Lobel, CA)
 +11/15 1230 in null of WHO but weak. CC by female. (Lobel, CA)
 +11/29 0923 w/large chorus in some sort of chant w/oriental
 sounding insts. Lots of QRN 0926, female in CC. (Lobel, CA)
 +12/13 1248 w/lots of WHO QRM & lots of QRN. (Lobel, CA)
 +Tuned up here 12/23 1525 expecting to hear JJ FS s/off per WRTH
 but found them w/CC opera instead, lang was CC & not JJ & no
 breaks in pgm at 1530. (Kaskey, CA)
 +Fair u/KHVH w/YL in CC 1435 2/11. (Tomer, CA)
 +2/19 1352 in good w/OM talk in CC & some mx. (Korinek, CA)
 +In w/good sig in JJ 1315 3/7. (Peterson, CA)
 +Xlnt 3/14 1112 w/apparent CC lessons in JJ for Japan. This
 seems to have more CC pgms than in the past. (Seaver, CA)
 +Strong w/OM & YL in alternating CC & JJ 1410 3/27. (Tomer, CA)
 +3/28 1204 w/CC in WHO null. (Lobel, CA)
 +Fair in JJ 1215 4/30. (Tomer, CA)
 +6/10 1232 in poor w/CC talk. (Korinek, CA)

- 1040 HAWAII, Honolulu, KHVH, 6/10 1239 poor-fair w/nx. (Korinek, CA)
 +Finally in after all these years w/anmts of "no marine warnings
 in effect" & 4:10 TC 1310 8/3. (Clements, CA)
 +Mixes w/China here most AMS after WHO fadeout. On 10/7 a nice
 ID 1330 w/NNIS. (Seaver, CA)
 (This station has since moved to 990 kHz. KPOI, ex-1380, is
 now on this frequency. ed)
- 1044 INDONESIA, Biak, RRI, good 1330 local Irian Jaya nx. S/off
 1359 full ID. (NZDXT)
 +Presumed location, but no definite ID hrd. Early fadein is
 typical of Irian Jaya; audible 0959 w/"R. Republik Indonesia.."
 but rest of ID not hrd 5/9. Also 5/10 0936. (Padula, Aust.)
- 1047 PHILIPPINES, Zamboanga, DXLL, good 1830 4/18. (NZDXT)
- 1052 INDONESIA, Jayapura, RRI, hrd 1100 past 1330 //SW 6070. (NZDXT)
 +Another early fade-in 0935, hrd thruout our evening. This one
 on an unusual channel - 1053 is correct allocation u/new freq
 plan. Presumed location as no ID hrd, but propagation pattern
 suggests that this is indeed Jayapura 5/9 & 10. (Padula, Aust.)
- 1055 MALAYSIA, Mersing, Islamic chants 1401, Malay anmts 1402 5/12.
 (Padula, Australia)
- 1070 USSR, R. Moscow home service, discussion in RR by man & lady
 1918 5/13. (Padula, Australia)
- 1080 ALASKA, Anchorage, KANC, new here, tuned by 9/13 0732 & found
 fr/pop looping NW. Started taping on hunch & was rewarded w/
 KANC ID 0738. Taped until 0800 & got many IDs & spots. Was
 strong enough to wipe out XEPRS slop (no small feat) & should
 be a good MM bet. AK #7 for me. (Rittenhouse, CA)
- 1080 HAWAII, Honolulu, KIOE, variable strength from a murmur to good
 sig w/KIOI-type mx 0950-1000 11/29. (Peterson, CA)
- 1088 COMORO ISLANDS, Moroni, R. Comoro, the one presumed here w/nx
 in FF read by OM & YL on 8/2 at 1704. Had many ments of R.
 Comoro & Comoro so can only presume this is the one. Sig was
 fair but tending to fade at times. (Baker, S. Africa)
- 1088 USSR, Mayak pgm ID theme song 1930, then RR talk. (Padula, Aust.)
- 1098 INDONESIA, Sumanep, RRI, interview pgm w/man & lady 1132; also
 relay Jakarta nx 1500 after local ID, //3355 5/14. (Padula, Aus.)

- 1107 INDONESIA, Yogyakarta, relay Jakarta nx 1410, then local ID 5/8. (Padula, Australia)
- 1130 JAPAN, Tokyo, JOQR, Bunka,Hoso, JOQR hrd w/JJ talk rather weak w/CKWX looped rather carefully 1005 2/14. Long time no hear for this one. (Peterson, CA)
- 1133 NORTH KOREA, I regard this as a "marker" stn, similar to 655 for possible "good" Asian nights! Korean Revolutionary mx 1035 & KK anmts by lady 1037. Early fade-in for this location 2/27. (Padula, Australia)
- 1134 INDONESIA, Banjarmasin, RRI, new stn, unheard previously. Tremendous sig, local ID 1459, then relay Jakarta nx 1500 5/12. Also as early as 1035, when het w/Korean stn on 1133. Thought at first was a local! 5/13. (Padula, Australia)
- 1135 NORTH KOREA, xlnt in EE 1407. (NZDXT)
- 1140 PHILIPPINES, Poro Pt., VOA, is being hrd regularly until close-down at 1500 w/nx, commentary in Vietnamese. Sig strength has been fair-good. (Baker, South Africa)
+4/8 1453 w/talk in Viet, good-fair w/QRN. (Baker, S. Africa)
- 1151 RFSFR, Vladivostok, prob the strong NW carrier noted in passing 9/13 1217. (Rittenhouse, CA)
+No doubt the source of strong het 10/9 1233, domestics drowned het 1315 & noted het gone 1352. (Kaskey, CA)
- 1178 RYUKYU ISLANDS, Okinawa, VOA, according to a letter from VOA, they will terminate the relay stn operation on Okinawa before 5/15/77. The VOA is presently studying possible sites to replace the Okinawa site. Reason for termination is the 1972 Okinawa Reversion Treaty between the U.S. & Canada. (Hardester, CA)
+9/5 1333 contained & cool KK YL chatter. (Newell, BC)
+Good carrier 9/13 1147. (Rittenhouse, CA)
+1332 9/7 fair-poor w/KK YL talk 1337 9/13 fair, 1332 9/16 fair-poor, fair 1344, 1330 9/19 fair-good. (Newell, BC)
+EE discussion of political campaigns 1134 9/13. Presumably VOA but first time ever hrd in EE. (Pejza, CA)
+Assumed to be the source of weak carrier 1105 9/6.(Peterson,CA)
+Strong 9/17 1333 w/CC. 10/3 good 1341 thru KLOK slop. Was programming in JJ. Gone after 1400. (Kaskey, CA)
+Again presumed the one w/faint EE 9/23 1133 w/slop from XEFR-1180. Poor-fair. (Pejza, CA)
+Appearing loud on apparent pattern change 1330 9/23 w/EE ID & Yankee Doodle. Strength remained good & steady for at least 10 mins w/YL in KK. (Hall-Patch, BC)
+Hrd well 9/27 1106-1130. Yankee Doodle IS 1130 on both 1178 & 1180-Marathon. EE nx 1106 & after 1130. The KK pgm 1330 is gangbusters even w/KCBQ-1170 on. (Seaver, CA)
+Undoubtedly changes DA 1330 daily. Sat on freq at this time 10/10 & noted weak het grow to powerful proportions, then audio in JJ appeared & soon subdued a still strong KOFI. Sig disappeared after 1400. (Kaskey, CA)
+Usual good KK pgm 11/28 1330-1400. (Kaskey, CA)
+In weak & plagued w/lots of KLOK slop 1140 1/17.(Peterson,CA)
+Weak w/KK talk 1220 2/14, then OM in slow EE alternating w/YL in KK 1235, apparently a language lesson. (Tomer, CA)
+2/21 1353 in good tho hetting KOFI, OM talk in JJ & some unid language. (Korinek, CA)
+Weak w/KK talk 1328 3/27. (Tomer, CA)
(This station left the air for good on March 14, 1977)
- 1190 JAPAN, Sendai, JOHB, dominant here through KEX OC 11/8 MM 0928-1001. Seemed to have telephone talk show or interview between man & woman around 0930, noted later 1000 w/NHK IS & man in JJ. Assorted stns u/them: unid SS, a couple domestics, & WOWO s/on 0959. KEX testing intermittently w/all sorts of horrible TTs, tone sweeps, etc. (Portzer/Bytheway, WA)

- 1190 UNID, what sounded like KK talk 1003 10/24' w/KEX off. One S. Korean listed but they're supposed to be in EE then, per WRTH. 655 was in well at the time but other TPs weren't all that hot. No pips hrd 1100 due to KEX ET. (Bytheway, WA)
- 1200 CHINA, Hainan, weak talk maybe in CC o/dying WOAI 9/13 1217. (Rittenhouse, CA)
- 1200 UNID, weak but audible Oriental noted 10/3 1343. Man talking etc. Sig had faded out when returned 1355. (Kaskey, CA)
- 1202 ^t CHINA, Fukien, seems to have drifted up from 1201. Noted as a het on 1200 9/13 1217. (Rittenhouse, CA)
- 1206 INDONESIA, Denpasar, RRI, quite a good sig as early as 0925, orch mx, local ID 0926, ads 5/9. (Padula, Australia)
- 1210 CHINA, Beijing, home service listed, 1328-40 11/28 w/YL in KK, faded u/JJ by 1342. (Williams, OR)
+Probably the one w/emphatic CC talk weak 1210 2/14. (Tomer, CA)
- 1210 JAPAN, Osaka, JOOR, loud JJ singing & chanting 1044 9/6. No ID. (Pejza, CA)
+1344 10/3 found CC atop w/talk & JOOR under w/uptempo mx in JJ & EE lyrics. The 2 continued to alternate w/each other until fadeout around 1415. (Kaskey, CA)
+Very clear EE ID 10/27 1000 "J-O-O-R" rx'ed on a s/on w/presumed NA 1000 but couldn't ID new arrival. (Kaskey, CA)
+Very strong sig 12/7 0950 mixing w/Peking 0951 & xlnt sig 1005. (Kaskey, CA)
+Xlnt 3/14 1100 w/YL & OM JJ songs, single low tone on hour, into nx. No call or slogan IDs hrd. (Seaver, CA)
+A QSL from the stn indicates a planned switch from 1210 to 1180 on 5/15 (the day the VOA-1178 vacates its spot), then a further planned change to 1179 on 11/23. (Hardester, Okinawa)
+Strong 1320 3/27 w/JC YL & US & Oriental mx way o/the CC. (Tomer, CA)
(This station has since moved to 1180. ed)
- 1210 NEW ZEALAND, Dunedin, 4XO, is seeking a power increase to 5 kw. (NZDXT)
- 1210 UNID, either China or Japan 10/25 0859. Too much QRN to tell. No IDs or pips hrd due to QRN. Am certain it was a TP due to loop bearings. WCAU was on & causing QRM. The QRM & QRN was just too much. (Lobel, CA)
- 1215 INDONESIA, Samarinda, RRI, Indonesian discussion w/a man 1433 5/8. (Padula, Australia)
- 1233 INDONESIA, Pentianak, RRI, ID 1416 after nx rpt 5/8. (Padula, AU)
- 1240 VIETNAM, Hanoi, V. of Vietnam, broadcasts 0100-0200, 1000-1030, 1300-1330, 1600-1700, language not specified. RR service is 0300-0330, 1630-1700, & 2100-2200. (SCDX)
+Has EE at 1000 & 1530. (SCDX)
- 1259 DODECANESE ISLANDS, Rhodes, VOA s/on 1630 5/12 w/EE ID, then into EE; audible until well past local daylight to 2125. Greater strength than semi-local 3SR on 1260! (Padula, Australia)
- 1287 INDONESIA, Palembang, RRI, consistent in evenings, best around 1240 5/12. (Padula, Australia)
- 1310 HAWAII, Kahului, KNUI, 6/28 w/"K-N-U-I" 0946. Rock mx w/s/off 1000. Nil-weak w/KDIA off. WRR QRM. (Tomer, CA)
+Hrd 1000 s/off 1/3. New here. Was hoping for Martinique but this will do for now. (Peterson, CA)
+Fiddling around after KOQT DX 1/3 & landed on 1310 just in time to hear "7 past 11" TC 0907. Sig good so stayed long enough to hear a KNUI ID. Only second time hrd. (Kaskey, CA)

- +Finally hrd 2/7 1000 s/off anmt w/WRR QRM. This leaves only 790, 1500, & 1540 unheard here. (Seaver, CA)
- +Poor w/deep fades 4/11 0900. Spots 0907 for an employment service & a production of Shakespeare's "The Tempest" followed by ID. Hawaiian #2 in 4 months of BCB DX. (Bixby, CA)
- 1310 JAPAN, Osaka, JOOF, likely the JJ 3/14 1026 in WRR null while chasing unid TT. No positive ID. (Seaver, CA)
- 1310 UNID, 6/13 1100 hrd def pips - - -, sure sounded like NHK but just couldn't pull that first pip. (Korinek, CA)
- 1334 INDONESIA, Jakarta, RRI, good 1607 light mx. (NZDXT)
+Quite strong 1115 5/13 w/current affairs talk. (Padula, Aust.)
- 1340 BANGLADESH, Khutna, now 50 kw. (MWN)
- 1350 HAWAII, Lihue, KIVM, hrd u/KSRO 0730-0800 2/9, then way o/KCKC after KSRO s/off. Easy-MoR & frequent IDs. (Tomer, CA)
- 1366 UNID, weak carrier looping NW-SE 1215 3/7. Don't think this was 1367. No audio of course. Ideas? (Hall-Patch, BC)
- 1376 RSFSR, Vladivostok, in weak w/singing 1110 9/6. (Peterson, CA)
+First program 1324 9/16 light mx poor. (Newell, BC)
+Just a carrier 9/13 1302. (Rittenhouse, CA)
+Weak but inaudible 10/11 1015 & 1146 w/first pgm. (Seaver, CA)
+This, like all the high band TPs, was only in weak w/singing 0939 11/1. (Peterson, CA)
+Caught the 6 pips here 0900 11/29 looping NW. Audio usually far down on this one but the sig is often hrd, this time & later, any day of week. (Martin, CO)
+Noted 1308 3/6 w/poor-fair carrier, no audio. (Hall-Patch, BC)
- 1380 HAWAII, Honolulu, KPOI, 1/31 0858 w/"k-poi" ID followed by nx. (Lobel, CA)
+Xlnt 2/7 0956-59:30 w/wx, TC, call ID, "k-poi" ID. (Seaver, CA)
(This station has since moved to 1040 kHz)
- 1385 PHOENIX ISLANDS, Canton Island, WXLE, 7/25 barely audible thru KGER-1390 & KTOM-1380. (Hanavan, CA)
+Fair w/mx 0923 8/1. (Clements, CA)
+11/29 0935. This little 250 w stn at around 4500 miles was really booming in. Xlnt sig w/ID "This is the ... Island, WXLE ...". Soft musical variety. (Lobel, CA)
+S8 at times 12/6 1026 w/EZL mx. Amazing signal for 250 watts over 5000 miles. (Seaver, CA)
- 1410 MASIRAH ISLAND, BBC Relay, Urdu pgm 1525 5/12; World Service on 1412 as late as 2119 5/10. (Padula, Australia)
- 1420 HAWAII, Honolulu, KCCN, 1/10 0816 w/Hawaiian mx, spots for the Hawaiian Islands, & ID "1420 KCCN". Unid TT causing strong QRM. (Lobel, CA)
- 1430 CHINA, unid location, KK til 0850, then pgm guide in CC. Some words "Iedehan suryon Fakumbo (great leader Fa kuohau)" are often hrd. This was picked up at Lake Towada on car rx. QRM from JOZF (strong), JOGO (weak). (Kawaguchi, Japan)
- 1440 SOUTH KOREA, Pyongtaeg, KBS-Pyongteag Pangsong, call unkn, KBS first network of dual pgm 710 kHz, recently drifting 705-715 kHz. QRM from JOWF. (Kawaguchi, Japan)
- 1448 USSR, opera 1347. (Ormandy, New Zealand)
- 1475 SABAH, Tuaran, RMKK, according to V. of Malaysia official sked, 1475 is used only at 1100-1130 for xmsns to the Philippines. This stn is at Tuaran, Sabah, the R. Malaysia Kota Kinabalu rx site. (SWNS, 4/76)
+The 1475 outlet does not carry V. of Malaysia pgms but has a

- Special pgm for the area & the southern Philippines. (SCDX)
 +Strong 9/13 1154 w/mx o/domestic slop & monumental carrier.
 Probably the best ever for this one. (Rittenhouse, CA)
 +Weak talk 1115 9/6. (Peterson, CA)
 +Presumed this 10/11 1037 weak w/Austronesian-type lang. This
 may be a sked change since s/on was 1100 in previous years.
 (Seaver, CA)
- 1475 t RSFSR, Vladivostok, 3/5 1225 fair carrier w/some audio. Talk
 by OM & YL hrd weakly. Wrong bearing for Sabah. (Hall-Patch)
 +1515 11/6 CC hrd here; always thought to be home pgms but neve
 checked. Poor at best w/QRM. (Newell, BC)
 +1545-1600 11/25 OM & YL in CC, quite weak w/lots of slop. FS
 IS 1600. CC pgm continued. (Williams, OR)
 t +R. Peace & Progress good in CC 1336. (Ormandy, NZ)
 +Carrier w/occasional bits of light orch mx 1225 4/2.
 (Hall-Patch, BC)
- 1493 RSFSR, Far East site w/RR 1404. (Ormandy, New Zealand)
- 1510 AUSTRALIA, Newcastle, 2NA, hrd 1115-1200 SM 7/18 w/KGA off.
 Had piano mx 1122, man w/many ments of ABC 1128, pgm & YL anc
 interspersed w/man & mx 1130. 6 pips 1200. (Bytheway, WA)
- 1525 CHINA, R. Peking good w/CC mx pgm 1130. (Ormandy, New Zealand)
- 1525 RSFSR, Khabarovsk, Majak II, 8/11 1237 almost no doubt the
 light mx on loop. Much easier listening than on LW. Good sig.
 (Newell, BC)
 +Cl mx 1125-1129, then Majak IS. Into RR 1231 w/female voice &
 nxcast (?) 9/8. (Young, CA)
 +W/RR strong 9/13 1152. (Rittenhouse, CA)
 +Weak, 1133 11/1. Very little other activity up here, just
 domestics. (Peterson, CA)
 +Weak 11/10 w/Majak chimes & 6 pips 1400. (Seaver, CA)
 +2/18 1430 in fair-good w/typical chimes & into domestic pgm w/
 YL in RR. (Korinek, CA)
 t +3/5 1450 fair carrier & touch of orch mx noted in KYXI/KFBK
 slop. Chimes 0656, YL talking in unid lang. No pips on the
 hr but splat may have buried it. Snatches of chimes hrd 1300
 3/6 but nothing definite. (Hall-Patch, BC)
 t +1223 4/2 just a carrier in KFBK/KYXI splat. (Hall-Patch, BC)
 +1340 5/2 the suspected source of good strong carrier; too much
 domestic QRM to hear much. (Toner, CA)
- 1550 AUSTRALIA, Emerald, 4QD, hrd 7/5 0800 w/6 pips, short fanfare,
 & "Here is the nx from ABC..." This is usually the first Aus-
 sie hrd MMS due to high & open freq. (Seaver, CA)
 +2/27 2012 w/nx, wx, TC, w/fair sig. Also hrd 3/5 1948 w/piano
 mx & TC 1949, excerpt from comedy show, Nat King Cole song, Er-
 tha Kitt song. Nx 2000 gave details of earthquake in Rumania &
 S. Africa grand prix deaths. Very good w/slight QRM from AFNT.
 Hrd 3/6 1932 w/xlnt sig w/nx, wx, & mx. This stn is being hrd
 regularly in S. Africa & becoming a pest! (Baker, S. Africa)
- 1550 TAIWAN, Taipei, AFNT, hrd 2/14 1759 w/TC, nx, & mx. Fair sig
 w/noise. It has been a long time since this has been hrd by
 me. (Baker, S. Africa)
- 1555 t PHILIPPINES, Cebu City, DYLA, strong carrier looping right 9/13
 1152-1154, 1155-1201. There was muddy audio in oriental lang
 detectable about 50% of the time but never clear enough to ID.
 Thai evidence on 830/843 suggests a Thai/Philippine opening &
 this has been IDed on WCNA in the past. (Rittenhouse, CA)
 +Prob the stn 10/11 1038-1105, 1215-1240. All talk 1038-1105 w/
 no apparent IDs, in Tagalog or Cebuano lang quite similar to
 that on 1475. 3-4 mins peak-to-peak fading. Faded across the
 hour of course (Murkey's Law). The programming 1215-1240 was
 quite commercial w/several ads, YL & OM talking, some inst mx
 (e.g. "Aquarius" at 1223). Steadier sig than earlier but no
 obvious IDs. KRGO-1550 nulled, KMPC-1560 s/on 1245 killed it

for the morning. Will try again. (Seaver, CA)
+11/22 w/Cayman not on, noted 1053; faded near 1100; mx, YL &
OM talk 1125-34, 1152-1201. S-7.5 at best, all Tagalog, no
apparent IDs, some QRN, KRGO splash. (Seaver, CA)
+Western pops in EE, Tagalog anmts 1039 3/27; also in 2000-2030
period 3/5 w/Tagalog commentary by man. (Padula, Australia)

- 1555 UNID, carrier here 0945 11/19 w/occasional talk. (Manning, CA)
- 1564 a UNID, weak carrier looping much further S than other TPs 1238
3/6. Is there a new Indonesian somewhere around here? (Hall-
Patch, BC) (There's one listed on 1565. bp)
- 1570 SOUTH KOREA, Cheju Island, HLDA, current sked is KK 1000-1225,
JJ 1230-1330, CC 1335-1600, RR 1605-1900, CC 2100-2230, EE
2235-2305. Power is 250 kw. (NZDXT)
+11/7 o/u XERF 1256-1315 tuneout, sig in easy enough but appar-
ently don't use pips across the hour. (Kaskey, CA)
+Xlnt sig 11/29 1104 o/CHUB/XERF w/EE lessons, e.g. "You are
soaking wet" etc, hi. Sig showed very good quality at this
time. Rlgs pgm noted 1157 o/u XERF who had "Back to the Bible"
itself. Was looking for ID or IS 1200 but none noted. XERF
atop at that time so may have missed it. (Kaskey, CA)
+In w/bolckbuster sig 1254-1301 3/27. Seemed to be a Christian
pgm in JJ, judging from the gospel organ mx; good "HLDA" ID by
OM 1300. (Tomer, CA)
- 1580 THAILAND, Ban Pachi, VOA/VOFA, 1327 9/16 Thai(?) talks, ID 1300
in Khemer, xlnt sig, fair quality at 1331. (Newell, BC)
- 1590 AUSTRALIA, Renmark, 5MV, (ABC) has been hrd here 2/27 & 3/3 at
about same time of 2015 w/mx & anmts. On both occasions, poor
reception was observed w/ORN. (Baker, S. Africa)

Mike Hardester sent in the following odds and ends of information obtained from off-the-air monitoring of various stations.

China, People's Republic of. At times (days) the following frequencies appear // to each other (1300-1500 UTC) - 560, 590, 640, 660, 760, 810, 835, 920, 940, 980, 100, 1035, 1420, 1590.

North Korea. The following frequencies have been heard in parallel. Numbers in parentheses are times in UTC.

- 625: 785(1200), 813(1200), 725(1000), 820(1000), 875(1000), 2850, 3015, and 4270.
- 635: no // noted.
- 655: no // noted.
- 685: Now on 687.
- 695: no // noted.
- 776: no // noted; severely hetting 780.
- 816: only a carrier noted with no ID.
- 850: //3320.

South Korea. South Korea's KBS has four channels/main frequencies. Channel 1 is 710; Channel 2 is 600; Channel 3 is 970; and Channel 4 is 750. In approximately 12 hours of random checking, on the following were found as parallel frequencies.

- Channel 1 - 710 in //620 at 1100, but not at 1230.
- Channel 2 - 600 in //575 & 590 at 1245.
- Channel 3 - 970 was without noted parallels.
- Channel 4 - 750 was also without noted parallels.

Mike also advises that, per a letter from their headquarters, the Far East Broadcasting Company is planning a new station on Saipan. They didn't mention a frequency, but did indicate that the station will have 10 kw and was expected to be on the air around August or September, 1977. This BCB station is the first step in a much larger project, which will eventually include SWBC service to Russia, China, and Japan, and BCB stations for local service on Yap, Truk, Ponape, Majuro, and Palau, each with 10 kw.

ALASKA. A new stn is being planned for Valdez. A partnership calling itself the Prince William Sound BCers has filed an application w/the FCC for a CP for a stn w/1 kw days & 250 w nights. Currently Valdez has only one stn, KEEI, which broadcasts pgms of KBYR Anchorage (apparently a low powered relay. ed). (Alaska Industry magazine, 11/76)

AUSTRALIA. The implementation of 9 kHz channels on 11/23/78 will result in 3 low powered channels: 1485, 1584, & 1602 w/pwr limited to 1 kw. Most Aussie stns will not move more than 4 kHz from present freqs, tho tentative plans include 3NE moving from 1600 to 1566 & sharing w/4GM, 7SH, & 2WA; 2WN-1580 to 1593; 3WL-1570 to 1602; 4MS from 600 to 639; & 4QB/4QO synchro to 855 from 910. (NZDXT)

INDONESIA. RRI xmits or will be xmitting on the following MW freqs: 540 Bandung; 585 Surabaya 100kw; 630 ??? 100 kw; 720 Ambon 10kw; 756 Purwokerto 10kw; 801 Semarang 10kw; 810 Merauke 10kw; 845 Bandung regional; 855 Medan 100kw & Mataram 10kw; 864 Cirebon 10kw; 927 Pekanbaru 50kw; 954 Kendari 10kw; 963 Jember 10kw; 972 Surakarta 50kw; 990 or 999 Jakarta 300kw; 1008 Maduin 10kw; 1052 Jayapura 10kw; 1080 Singaraja; 1098 Sumenep 10kw, Jambi 10kw; 1107 Jogjakarta 10kw; 1116 Biak 10kw; 1134 Banjarmasin 50kw; 1170 Semarang 50kw; 1185 Tanjung Pinang 5kw; 1206 Denpasar 10kw; 1215 Samarinda 10kw; 1233 Pontianak 50kw; 1251 ??? 10kw; 1287 Palembang 50kw; 1323 Malang 10kw; 1530 Padang 10kw. (WRTH, NZDXT)
The following stations have been hrd in Australia: Surabaya-585 to 1432 s/off, Bandung-540 w/nx from Jakarta 1500, Purwokerto-756 at 1545, unid-825 at 1534, Mataram-855 regular w/ID at s/off after Jakarta nx 1500, Medah-855 weakly 1605 s/off, Cirebon-864 w/ID 1519 after Jakarta relay, Jember-963 1530, Surakarta-972 w/nx relay 1500, Maduin-1008 1520, Jogjakarta-1107 w/nx 1500. (DUDXC, ADXN, NZDXT)

On 7/22/75 Harris Corp. concluded a contract w/the Djakarta government. It is made up of 36 individual radio systems located in 43 different communities. The equipment consists of 3 50 kw MW xrs, 1 50kw SW xr, 1 10 kw FM xr, 21 10 kw MW xrs, & 11 SW or tropical band 10 kw xrs, plus antenna towers, diesel generators, & support equipment including 50 w FM studio-xr links. All sites will operate on diesel generator power as there is inadequate commercial power available at the moment. Commissioning of sites was scheduled to begin 1/77 & continue through 8/77. An Indonesian company, Intermetronics, was subcontracted for the inland transportation, installation, & commissioning of the contract. (SWNS)

LORD HOWE ISLAND. Radio on Lord Howe Island went on the air on 1490 w/12 watts on 1/20. It developed xr problems & left the air 3/29. It was due to return in Mid-June w/50 w. The stn serves a population of 250, & has been on the air for 5 hrs in the morning & 2 hrs in the evening local time. (SCDX)

PAPUA/NEW GUINEA. Stns not listed in WRTH 77 include: NBC Port Moresby-590 2kw; NBC Wewak //NBC Lae, Wewak-670 kHz 2kw, both on 2000-1400 UTC; & R. Enga-1494, Wabag, 2 kw, not on the air. This info direct from the NBC of PNG & is dated 12/6/76. (Hardester, Okinawa)

TAIWAN. AFNT, the American Forces Network Taiwan, has closed down operations. (SCDX, 9/76)

1200

YOUR MUSIC STATION

1ZB

1 7 TOTAL RADIO

TIME PIPS AS AN AID TO ID'ING TP'S, PART 2

by Nick Hall-Patch
with the able assistance of
Daisuke Kawaguchi and Mike Hardester

For those who missed the original time pips article in DX Monitor last year, a short introduction is in order. TP stations are often difficult to identify, even for an experienced DXer. Noise, hets, and long fades often characterize reception of stations from the other side of the Pacific. Verbal IDs can be buried in the interference and there is the problem that oriental languages are unfamiliar to most North Americans. However, many TPs use time "pips" at the top of the hour which can be used as an aid to identifying these stations. Pips are one or more short ($\frac{1}{2}$ to 3 second) tones, which often cut through the crud when not much else in the way of audio is coming in. Following is a list of these different pips:

legend

- . Very sharp, shorter than $\frac{1}{2}$ second
- $\frac{1}{2}$ second
- Multiples of $\frac{1}{2}$ second with - equalling $\frac{1}{2}$ second. This equals 1 sec.

Dots and dashes on the same line are the same musical pitch. A dash raised above the rest of the line is higher in pitch. If it's known how much higher, I will note it's musical intonation. These are Art Peterson's classifications.

A. Constant pitch and duration

1. Japanese and Taiwanese commercial stations

Daisuke Kawaguchi reports that almost all Japanese and Taiwanese commercial stations use a single pip on the hour. He says that few Japanese commercial stations use call-letter IDs on the hour; most have slogans or no ID at all. These pips are generally 2 to 3 seconds long and different stations seem to use different pitches. Of the three stations I've heard on tape, all let the pip fade away rather than finish the pip sharply as FEN below does.

2. Far Eastern Network (AFRTS Japan)

— (key of Bb)

3. Radio New Zealand, ABC Australia, USSR Home Service (?)

— — — — —
(R. New Zealand's pips are in the key of B, ABC Australia noted in the key of B on 4JK-570 and 4RK-840, but 3LO-770 uses the key of G. USSR is supposed to use the key of B, but I've never heard it.)

4. Radio Malaysia

..... (key of B)

5. Radio Malaysia-Sarawak and R. Singapura

..... (key of C)

(Note that R. Malaysia and R. Singapura would use their time pips on our half hour as their time zone is stepped off by $\frac{1}{2}$ hour.)

B. Variable pitch, constant duration

1. North Korea (KCBS and Radio Pyongyang)

- - - (F to E)

2. Vietnam (this is from 1968. May now be obsolete.)

- - - - - (D to F)

3. People's Republic of China

— — — — — (G to G an octave above)

(This series takes 11 seconds to complete)

C. Variable pitch and Duration

1. KBS-South Korea, NHK 1&2, BCC-Taiwan

- - - (A to A an octave above)

(Unfortunately, three separate government services in East Asia use this same series of pips and it is possible that one could hear the pips and not be certain which country on that frequency broadcast them. Both NHK 1&2 and KBS give

call letters in EE just before the pips'. This might help if your reception is reasonably good.

2. MBC - South Korea

- - - (B to B an octave above)

(These pips have also been heard on the S. Korean private outlet on 840 kHz which is not MBC.)

These pips could be extremely useful in IDing a TP that would otherwise remain a complete mystery. If you have a musical ear and a reasonable tape recorder, you can tape the pips, then compare their pitch with notes on a well-tuned guitar or piano. The pitch you hear may not be exactly as indicated above, due to tape speed variations, oddities in the received signal, or plain inaccuracy on my part. For example, I believe R. New Zealand uses 500 or 1000 cycle tone in their pips, which is not exactly a B on a piano. However, the spacing and relative pitch of the pips might well be enough for an ID.

Some questions remain and I'd appreciate any help which can be offered. The pitch differences in pips between 3LO-770 and 4RK-840 may be due to their being in different divisions of the ABC network. 4RK is ABC3 while 3LO is ABC1. Can any DU members assist here? Also has anyone heard Vietnam and does it use the pips indicated here or any pips at all? Finally, has anyone heard the USSR Home Service use pips recently? I haven't, nor have I seen any mention in DXWW of them.

Last season was very good for TPs with loggings of Thailand and Malaysia and tentatives of Indonesia. If you're a newcomer to TP DXing, perhaps this article will help you log some really distant DX (even nearby TPs are a long way away). If you're an oldtimer, please let the rest of us know some IDing tricks you use for TPs, or point out errors or omissions in this article. Above all, report what you hear to DXWW, especially your mysteries. Anybody logged Rangoon yet??

NEW ZEALAND FREQUENCY PLAN - 1978

567	2YA	Wellington 100kw	1080	1ZB	Auckland 10kw
630	2YZ	Napier 20kw	1098	3ZB	Christchurch 10kw
639	4YW	Alexandra 2kw	1116	2YX	Nelson 1kw
657	2YC	Wellington 60kw	1134	4YQ	Queenstown 2kw
675	3YA	Christchurch 20kw	1143	1YW	Hamilton 2kw
720	4YZ	Invercargill 20kw	1152	3ZC	Timaru 2kw
747	3ZA	Greymouth 2kw	1161	2ZM	Wellington 2kw
756	1YA	Auckland 20kw	1197	2ZW	Wanganui 2kw
783	2YB	Wellington 20kw	1206	4XO	Dunedin 2kw
792	2ZK	Hastings	1215	1ZE	Kaikohe 2kw
810	4YA	Dunedin 20kw	1242	1XX	Murupara 100w
819	1YZ	Rotorua 10kw		1XX	Whakatane 2kw
837	1YX	Whangarei 1kw	1251	1ZM	Auckland 2kw
	1YK	Kaitaia 1kw	1260	3XA	Christchurch 2kw
846	2ZD	Masterton 2kw	1278	2ZC	Napier 2kw
864	4ZA	Invercargill 10kw	1296	1ZH	Hamilton 2kw
882	1YC	Auckland 10kw	1314	2YW	Gisborne 2kw
891	2XW	Wellington 5kw	1350	1ZC	Rotorua 2kw
900	4YC	Dunedin 10kw	1386	1ZT	Turangi 100w
918	3YZ	Greymouth 10kw	1413	1ZQ	Tokoroa 2kw
927	2ZA	Palmerston North 2kw	1431	4XD	Dunedin
945	2ZG	Gisborne 2kw	1449	2YM	Palmerston North 1kw
954	1XW	Hamilton 2kw	1458	3YW	Westport 2kw
963	3YC	Christchurch 10kw	1476	1XA	Auckland 5kw
981	1YE	Kaikohe 2kw	1485	3ZO	Twizel 100w
1008	1ZD	Tauranga 10kw	1494	1ZA	Taupo 2kw
1026	1ZN	Whangarei 2kw	1512	1ZU	Taumarani 1kw
	1ZK	Kaitaia 2kw	1539	2ZE	Blenheim 1kw
1035	2ZB	Wellington 20kw	1557	2ZH	Hawera 1kw
1044	4ZB	Dunedin 10kw	1332*	1XI	Auckland 5kw
1053	2ZP	New Plymouth 2kw	1503*	3YR	Reefton

* indicates possible allocation

(Source: New Zealand DX Times, 9/77)

A VISIT TO THE VOICE OF AMERICA OKINAWA by Mike Hardester

Prior to receiving orders to Okinawa from my travel agent - the U.S. Navy - I had tried in vain to log the VOA medium wave outlet on 1178 kHz and even the shortwave outlets seemed difficult at best. However, my faithful travel agent soon put me in the driver's seat, and so on a warm spring day, my wife and I found ourselves on the road to the VOA transmitter site at Okuma, Okinawa.

Okuma is a small village located near the northern tip of the island. One one side of the road, lush green vegetation stretches seemingly for kilometers, and on the other side of the road, the emerald green waters of the East China Sea peacefully wash onto the pearl white beaches. I was so taken by the beauty of the area that I might have missed the turn-off had my wife not pointed out a six-tower array in the near distance, which we were later to learn was the array for the medium-wave transmissions. So, with our course plotted and without benefit of any roadsigns (in English that is), we headed towards the antennas.

On arriving at the transmitter site (the receiver site at Onna is located further south), we were greeted by Mr. Jensen, the Deputy Manager, and Mr. Schlegel, the Transmitter Supervisor, who joined to give us a very thorough tour of the facilities. Construction began in 1952 and operations commenced in mid-1953 with continual expansion to the present 134 acres upon which the VOA site is situated.

The transmitter building houses the 1178 kHz transmitter, which is actually two Continental transmitters of 500 kw phased together to produce a megawatt of power. This transmitter is joined by two 35 kw, one 15 kw, and one 100 kw shortwave transmitters, plus a 5 kw auxiliary transmitter which provides for RTTY service to the IPS (International Press Service) located at USIA headquarters throughout Asia.

Program material is received at the Onna receiving site from direct off-air monitoring of transmissions from Delano and Dixon relay sites. This is fed via VHF circuits to the transmitter site for rebroadcast. Two of the receivers immediately noted were of the Collins 51J series & Hammarlund SP-600 line; Hewlett-Packard frequency synthesizers were also noted.

The medium wave transmitter is in operation from 1100 to 1600 GMT and provides English, Chinese, and Korean programming to mainland China, Laos, and Korea, on beams of 17° and 315°. Reception reports from mainland China indicate no jamming of the English transmissions; however, the Chinese Service is jammed a great deal.

The shortwave transmissions also transmit the same languages to the same target areas or nearby areas, and these also appear to be having an effect as evidenced by the reception reports.

And what tour would be complete without checking out the local telephone exchange? Yes, the VOA also has a completely automated telephone exchange system which handles the VOA transmitter site, VOA family housing, and a nearby military recreation center.

After a tour, over tea, several topics were discussed. At present (early 1977 - ed), there is a great deal of speculation over the planned replacement site of the VOA-Okinawa relay site. The next location is undecided, as of this writing. While several places offer a possible site, Saipan, Micronesia, South Korea, Hawaii (remember the old VOA site there?), no specific location has yet been decided upon. Mr. Jensen went on to further point out that from inception to operation takes approximately five years; thus a new site, even after being chosen, wouldn't be on the air too soon. This brought about the point that with host countries becoming fewer and fewer, international broadcasters may be forced to stay at home and beam their message across the miles with power easily exceeding a megawatt!! Can you imagine being a DXer situated a couple of kilometers away from a megawatt transmitter?! Among other topics discussed, it was mentioned that the VOA site at Poro, Philippines, was built from almost identical plans as the VOA-Okinawa. Lastly, on March 14, 1977 at 1500 GMT (12 midnight Japan time), the VOA Okinawa will sign off for the final time, and while the visit was quite pleasant, much like old friends getting together, it will soon be time to hear the final farewell: "This is the Voice of America concluding its transmission from Okinawa."

(Editor's note - Although the VOA station at Okinawa has now left the air, the above article is included for general interest's sake.)

OKINAWA CONDITIONS OF FREQUENCIES LOG - Mike Hardester

The list of frequencies which follows is a rough (very rough) example of a "condition of frequencies" of the medium-wave band as monitored on Okinawa. Simply because only one station is listed on a frequency, it should not be assumed that it is the only audible station on the particular frequency; each frequency ending on 0 or 5 averages 3 & 2, respectively, stations on the frequency. No dates are listed as stations were monitored on various days, thus one station may have been monitored on several occasions at different times to verify the station's identity. In such instances with the crowded band conditions even precision frequency measurement (PFM) is only of slight use. Frequencies are in kHz; dates & times are GMT (1977).

530 Carrier only without true loop at 1200.
540 Unid w/JJ talks by man & woman. Loop NW/SE 1120.
550 JOAP (NHK-1) local w/JJ talk as well as various other langs.
560 China //590 et al.
560 Unid w/?? langs/talks/inst mx 1145. Loop NW/SE.
565 Weak audio 1243; unid; no true loop.
570 Unid CC stn w/talk 1244.
573 Carrier.
575 S. Korea, R. Korea w/KK talks 1245 5/14.
575 RSPSR, R. Moscow w/IS & 6 pips 1200. Loop N-NE/S-SW.
580 Unid NHK-1 stn.
584 Unid looping N/S. (Probably Russia. ed)
585 Unid looping N/S; distinguishable from 584.
590 JOAK, NHK-1, Tokyo, 1250 w/JJ talks.
590 S. Korea, //600/575 at 1245.
590 China(?) w/CC & pips of 5 low & 1 high o/10.5 secs. Loop E/W.
600 Carrier w/E-W loop.
600 S. Korea, HLCA w/SS pgm 1100, & EE 1130-1200.
604.5 Carrier.
607 Carrier looping E/W.
610 JOLK, Fukuoka, NHK-1 w/JJ talks.
615 Unid loop NE/SW carrier.
620 S. Korea, HLCF, looping NW/SE w/talks in KK 1147-1200 5/11.
PFM = 620.338. //710 at 1100, but not at 1230. Extreme N.Korea QRM from 625. Pips on hour: ...
620 Unid w/NHK-like pips on the hour u/HLCF.
620 Unid w/5 long low pips o/8 secs; this at 1200 5/12.
625 N. Korea w/talks //875, but not 655 at 1130. Inst mx of "Columbia Gem of the Ocean"!!!
630 Unid carrier looping NW/SE.
631 Unid carrier looping NW/SE; independent of unid on 630.
635 N. Korea w/talks 1100.
637 Unid carrier looping NW/SE.
638 Unid carrier independent of 637 looping NW/SE.
640 China w/weak mx & talks 1030.
643.750 Unid carrier looping E/W 1115.
647 Unid carrier looping E/W 1125.
648 Okinawa, Far East Network; local stn; moved here 11/23, ex-650.
655 N. Korea w/talks //687.5.
660 China w/drama(?) & mx 1300.
664.5 Unid carrier looping E/W.
665 Unid carrier looping NW/SE.
670 Japan, JOBK, Osaka, NHK-1 relay; looping N-NW/S-SE.
675 Unid carrier, weak; unable to obtain a true loop bearing.
680 S. Korea, HLAS, w/talks in lang 1215.
683 Unid carrier looping E/W.
686 Unid carrier looping NW/SE.
687 Unid carrier looping N/S.
687.542 N. Korea looping NW/SE //655.
690 Japan, JOAB, Tokyo, w/JJ talks; NHK-2.
694.246 Unid carrier looping E/W.
695 N. Korea.
700 Japan, JOFB, Hiroshima, NHK-2, w/mx & JJ talks.
710 S. Korea, HLKA w/mx, comedy & talks. No drifting noted.
710.022 Unid w/talks in what sounded like Tagalog; looping N/S.
715.542 Unid carrier 5/12 1248, no true loop obtained.
717.602 Unid w/talks in Tagalog(?) 1252 5/13. Loops N/S.

720 Unid w/EE rlgs talk 1045-1100 w/NHK-like pips on hour & into
KK(?).
725 N. Korea w/talks; //625 at 1100.
730 Unid carrier 1400.
740 Okinawa, JORR local stn in Naha.
745 Unid carrier looping E/W 1010.
750 Japan, Sapporo, JOIB, NHK-2 relay. Very weak at times.
750 S. Korea, EE 0930-1000, 2030-2100.
753.5 Unid, weak w/talks(?) 1115; looping E/W.
755 Unid looping NW/SE w/weak cont mx 1125.
756 Unid carrier looping NE/SW.
760 Japan, JOGK (NHK-1) Kumamoto w/mx & pips on hour.
765 Unid carrier looping E/W.
768.5 Unid carrier looping E-NE/S-SW.
770 Japan, Akita, JOUB (NHK-2) w/weak sig.
776 N. Korea.
780 Japan, JOXR (local stn) w/native mx & rare talks.
785 N. Korea, //625 1200.
785 Unid carrier.
790 Unid carrier.
792 Unid carrier.
795 Unid carrier.
798 Unid carrier.
800.5 Unid w/talks in what sounded like RR 1510.
802 Unid carrier.
803.2 Unid carrier.
805 Unid carrier.
810 PR China w/talks.
812.1 Unid w/talks in RR(?) w/NE/SW loop.
813 N. Korea //625 at 1200.
816 N. Korea, carrier only.
820 PR China w/musical drama 1045.
820 N. Korea //625 at 1000.
824.5 Unid w/loop NE/SW.
830 Japan, Osaka, JOBB (NHK-2) w/music & talks.
835 PR China, w/NE/SW loop.
840 Unid carrier.
848.018 N. Korea w/talks 1158 5/15.
850 N. Korea.
850 Unid carrier.
855.2 Unid carrier looping E-NE/W-SW.
860 Unid carrier.
862 Unid w/talks looping E-NE/W-SW.
864.2 Unid carrier.
870 Japan, Kumamoto, JOGB (NHK-2) after NHK pips into talk.
875 N. Korea //625 1000.
876 Unid carrier.
879 Unid carrier looping NE/SW.
880 Unid carrier.
887.5 Unid looping NE/SW w/weak audio.
890 S. Korea, HLKB at 1200 w/pips & ID.
893 Unid looping NE/SW w/patches of audio 1330.
895 Unid looping NE/SW w/weak steady sig 1400.
896 Unid independent of 895 looping NE/SW.
900 Unid carrier.
904 Unid carrier looping NE/SW; no audio on several checks.
910 Unid carrier.
912 Unid looping NE/SW w/possible audio at times around 1400.
920 PR China //835 & other freqs.
930 Unid carrier.
940 PR China //920 1130.
950 Unid carrier.
954 Unid looping NW/SE.
955 Unid carrier.
960 Unid carrier.
964 Unid looping NE/SW.
969.2 Unid carrier.
970 S. Korea.
970 NHK-1 relay, 100w, Miyako Island.
970.1 Unid carrier.
973 Unid w/weak occasional audio looping NE/SW.

975 PR China the poss stn here w/CC talks & opéra-like mx 6/2.
 980 PR China //760 at 1400.
 990 Japan, Kochi, JORK (NHK-1) //local NHK-1 on 550.
 990.1 Unid carrier noted on days JORK absent.
 990.4 Unid carrier w/mild het on 990.1 w/JORK absent.
 994.5 Unid carrier.
 995 Unid carrier.
 1000 PR China //660 at 1300.
 1000 Unid occasionally noted w/talks in possible EE, but much fading
 at 1100 w/PRC absent.
 1005 Unid looping NE/SW.
 1010 Unid carrier.
 1020 Unid in JJ lang but too weak for positive ID.
 1030 Unid carrier.
 1033.8 Unid w/weak carrier on several days in 6/77.
 1035 PR China //835 at 1340.
 1040 PR China in no // to other PRC outlets on several days/times.
 1055 Unid looping NE/SW w/talks in lang 1220.
 1060 Unid carrier.
 1070 Japan, Hiroshima, JOFK, (NHK-1) // w/local NHK-1 outlet.
 1080 Unid carrier.
 1090 Unid carrier.
 1092.3 Unid looping NE/SW w/possible audio, mostly carrier.
 1095 Unid looping NE/SW.
 1104 Unid carrier looping NE/SW.
 1105 Unid carrier looping NE/SW independent of 1104.
 1107 Unid carrier looping NE/SW.
 1110 Unid carrier.
 1112 Unid looping NE/SW w/carrier.
 1116 Unid looping NE/SW.
 1120 Unid carrier.
 1130 Unid carrier.
 1135 V. of Party for Reunification of Korea 1400 w/YL talk in EE.
 1140 Unid carrier.
 1145 Unid carrier looping NE/SW.
 1150 Japan, unid stn carrying NHK-2 pgms.
 1160 Unid carrier.
 1170 Unid carrier.
 1178 VOA Okuma, Okinawa, was here, now off. Unid carrier noted
 1150 11/6, no audio. Gone later.
 1180 Unid carrier looping NE/SW.
 1190 Unid carrier looping SW/NE.
 1193 Unid looping NW/SE w/patches of audio, though mostly carrier.
 1196 Unid carrier looping NE/SW.
 1200 Unid carrier.
 1202 Continual "S R" in CW (Morse code) noted many days/times w/o
 other audio.
 1205.4 Unid carrier.
 1210 Japan, Osaka, JOOR, w/mx & talks & ID 1100. (Stn has
 moved to 1180 in the time since this list was compiled. ed)
 1215 Unid carrier looping NE/SW.
 1220 Unid carrier.
 1230 Unid carrier.
 1240 Unid w/talks in lang.
 1250 Japan, Okinawa, JOTF, local.
 1255 Unid carrier.
 1260 Unid w/occasional audio.
 1266.2 Unid carrier looping E/W.
 1270 Unid carrier.
 1273.067 Unid w/talks in what sounded like Tagalog 1210.
 1278 Unid carrier looping NE/SW 1600.
 1280 Unid w/AA-like talks; loop & time not recorded.
 1290 Unid carrier.
 1296 Unid carrier looping NE/SW.
 1300 Japan, Matsu, JOTK, NHK-1, //local NHK-1 outlet.
 1302.5 Unid looping E-NE/W-SW.
 1310 Unid carrier.
 1312 Unid looping NE/SW w/weak audio patches.
 1320 Unid carrier.
 1322 Unid looping NE/SW w/mx and/or talks w/heavy fading; ??lang.
 1327 Unid looping E/W; carrier.

1330 Unid carrier.
 1340 Unid carrier.
 1344.5 Unid carrier looping NE/SW.
 1345 Unid carrier independent of 1344.5.
 1350 Unid w/weak audio 1145.
 1360 Japan, Okinawa, JOAD, NHK-2, local.
 1370 Japan, unid stn //1360 NHK-2 pgm.
 1380 Unid carrier.
 1390 Unid Japan stn //NHK-2 on 1360.
 1391.2 Unid carrier looping E/W.
 1392 Unid carrier looping NE/SW.
 1400 Unid carrier.
 1410 Unid carrier.
 1414 Unid carrier looping NE/SW.
 1418.5 Unid carrier looping NE/SW.
 1420 PR China //1035 w/talks.
 1423.398 Unid looping NE/SW.
 1430 Unid carrier.
 1440 Unid carrier.
 1450 Unid carrier.
 1452.8 Unid looping E/W.
 1460 Unid carrier.
 1465.9 Unid looping NE/SW w/carrier.
 1470 Japan, unid NHK-2 outlet //local 1360 NHK-2 outlet.
 1470 Philippines, DWRF in like "a ton of bricks" 1200.
 1472 Unid carrier looping E/W.
 1475 Unid w/audio & talks; possibly Kota Kinabalu as looping slightly N/S.
 1480 Unid carrier.
 1484.9 Unid carrier.
 1488.2 Unid looping NE/SW.
 1490 Unid carrier.
 1494 Unid carrier looping E/W.
 1500 Unid w/talks in lang (UFO).
 1510 Japan, unid NHK-2 outlet //local 1360.
 1513 Unid carrier looping E/W.
 1520 Unid w/talks in ?? lang; poor w/QRN.
 1530 Unid carrier.
 1540 Unid carrier.
 1550 Taiwan, Taipei, AFNT w/EE rr mx; talks. Loop E/W. (This seems to contradict a 9/76 SCDX report that they are off the air. ed)
 1555 Philippines, DYLA w/talks in Tagalog (?) w/traffic rpt in EE.
 1560 Unid carrier.
 1570 Taiwan, AFNT, CCK in almost //1550 w/1-2 sec delay.
 1575 unid carrier looping NE/SW.
 1575 Japan, Iwakuni/Misawa, FEN now here, ex-1580, //local 648.
 1580 V. of America in Thailand w/Yankee Doodle IS & ID; loop NE/SW.
 1580 Thai government via VOA facilities w/Thai(?).
 1590 PR China //1035 1450.
 1600 Unid carrier w/occasional audio, weak.

Loop bearings (from my Okinawa location 5km south of Naha): USSR N-NE/
 S-SW; Taiwan & S. Korea W/E; Thailand NE/SW; Japan Mainland N-NW/S-
 SE; Philippines & Malaysia N/S; N. Korea NW/SE.



Domestic International Loggings

- 621.5 ? UNID, carrier noted here 0445, 0610 4/21 seeming to loop Southwest-Northeast. A domestic spur? Somebody off frequency? Not heard since. (Hall-Patch, BC)
- 657.5 WA, Seattle, bootlegger noted here w/good signal 0740-0805 1/31. Mostly w/Eagles and Carole King LPs nonstop w/no IDs or announcements. (Portzer, WA)
- 850 CO, Denver, KOA, 9/20 0259 w/announcements by man in SS followed by news in EE. Couldn't understand the SS. (Lobel, CA)
- 875.8 AB, Drumheller, CJDV, has been putting out loud distorted audio here and on 944.2 for the past month or so. First noted by Bytheway at 1035 7/10, and has subsequently been heard by other Seattle DXers and Derek Ford in BC. Programming is automated country western mx w/announcements after every third song, interspersed w/occasional IDs and PSAs. Very strong for a spur--equal to or better than WLS-890 at times here in Seattle. Hope no one gets confused and thinks they've heard North Korea. (Bytheway/Portzer, et al, WA)
- 980 TX, Rosenberg, KRPD, has SS daily to 1530 local time. Announcer sounds American. Suburb of Houston. (Schatz, TX)
- 1010 CA, Delano, KCHJ, 8/15 0400 w/ID in SS "Kah-Ceh-Ache-Hota, Delano, California" and ranchero mx. (Lobel, CA)
+11/15 w/Philippino program. Probable language was Tagalog. EE ID 1400. (Lobel, CA)
- 1030 TX, Corpus Christi, KCTA, religious w/alternating EE/SS programming. A local in Houston, regularly heard in Miami in SS before local sunrise. (Schatz, TX)
- 1040 IA, Des Moines, WHO, 2/7 2140 w/"The Voice of Southeast Asia" program. First half JJ, second half a Laotian language. EE ID between languages. (Lobel, CA)
- 1180 FL, Marathon Key, VOA, interval theme, ID, then SS program 0100 10/1. Strong - unusual - thought antenna pattern would rule me out! (Dunn, NS)
+11/22 1128 w/KCBQ-1170 off. Heard S-10 signal w/"Yankee Doodle", and good ID and SS announcement giving frequency and other details. (Lobel, CA)
+0000 1/14 heard "Yankee Doodle" in background. About 10 different versions of it! No voice heard due to WHAM wiping out the channel. (Davis, GA)
+Good w/news in SS w/frequent mentions of President Carter. Atop second SS (probably YVNU), WHAM nulled 0003 1/25. (Connelly, MA)
+4/27 0233-0252 in poor-fair w/SS talks and commentary by man, 0239 ID "Desde Washington, La Voz de América", correspondents reports. (Orr, CO)
+Presently scheduled for 1200-1400 and 0100-0330. (Stanbury, ON)
- 1250 CA, Santa Barbara, KTMS, 2/21 0635 w/SS and ranchera mx. Mention of J.C. Penney store in Santa Barbara. (Lobel, CA)

- 1260 CA, San Fernando, KGIL, 5/23 0613 w/oriental man and woman talk, 0625 CC mx, EE ID, good signal. (Bixby, CA)
- 1340 DC, Washington, WFAN, noted from 12/31 w/usual Mexican bar mx, "R. Rio Grande" IDs, all SS except for IDs on the hour in EE. Ex-100.3 FM, changed w/WOOK. (McNeil, DC)
- 1370 WA, Quincy, KWNC, noted w/ranchera mx and SS announcements prior to 0030 s/off 11/28. (Portzer, WA)
- 1400 CA, Indio, KREO, 11/1 1013 in SS. ID at 1030 w/"K-R-E-O Making History", played ranchera mx. (Lobel, CA)
- 1420 CA Stockton, KSTN, started SS program at 1103 9/20 so don't get excited about SS on 1420! (Peterson, CA)
- 1421.25 WA, Walla Walla, KUJ, noted here 0652-0806 s/off 1/10 w/rock mx, putting fierce het against KSTN et al. Hope nobody thinks it's a TA. (Portzer, WA)
- 1450 CA, Escondido, KOWN, 1/24 0442 in SS man announcer w/ranchera mx and many IDs, 0457 spot in SS for "Quality Cheverolet" in Escondido, 0500 ID in SS and EE. (Lobel, CA)
- 1480 TX, Pasadena, KLVV, full time SS serving Houston. Mexican mx, EE legal IDs "R. Morales...w/Latin American studios in..." (Schatz, TX)
- 1510 CA, Ontario, KSOM, good w/rock mx and EE ID at 1200 9/26, then into SS program w/ranchera mx. (Portzer, WA)
- 1530 TX, Harlingen, KGBT, 4/12 0415 light SS mx w/many ads for places in Grandville, Rio Grande, San Antonio, Raymondville, etc. Modulation seemed very low, w/occasional peaks. Battling w/WCKY, IDs as "R. Panamericana." This one had me fooled for awhile. (Davis, GA)
+Fair daytime in Houston. All SS w/a sprinkle of EE. Has Bingo in SS evenings. (Schatz, TX)
- 1540 LA, Gretna, KGLA, "R. Mil" all SS daytimer, mostly Cuban format, serves New Orleans. (Schatz, LA)
- 1540 ON, Toronto, CHIN, atop WPTR w/Italian talk 12/1. (Connelly, MA)

DIAMOND'S

KIND
& 1170

10,000 5W WATTS

NORTHERN

LIGHTS

MISSION

BOX "O"

NORTH POLE ALASKA 99705



"GOSPEL STATION AT THE TOP OF THE NATION"

Verifications

- 530 JAPAN, Morika, JOQG, verification card for report of 11/18 received in 4.5 weeks. Usual NHK card. (Lobel, CA)
- 545 DOMINICA, Roseau, R. Jumbo, for report of 11/15. letter signed by Patrick Meyer, Director General, dated 2/1/77. Received 2/14/77. (Lobel, CA)
+Sent a prompt reply to my report. Sent letter in FF (reported in EE), signed by Patrick Meyer, Directeur General. Address is Box 00 (zero, zero), Roseau, Dominica, West Indies. First verification in a long time for me. Also sent R. Jumbo sticker. (Peterson, CA)
+Letter in 2 weeks, details are previously reported. (Forth, IL)
- 560 AUSTRALIA, Wagin, 6WA, (ABC) sent usual Western Australian card w/all details for reception of 9/6. Received in 14 days by air. (Baker, South Africa)
- 600 COOK ISLANDS, Rarotonga, ZK1ZC, R. Cook Islands, after 2.5 years and a fortune in IRCs, mint stamps and registered letter fees a verification card was received. In fact, two in one envelope, one for 600 khz and one for 5045 khz, both typed on back of tourist type post cards w/complete verification details. Signer is Nooroa Tangeroa, Director. All my past reports were sent to the Chief Engineer. In this case they were just addressed to the station. Guess the Chief Engineer, who is formerly from the BBC, still doesn't believe in verifications. (Trubee, HI)
- 611 RHODESIA, Gwelo, Rhodesia Broadcasting de España sent picture post card of Barcelona, pennant, personal letter in SS, and report form in SS. (Baker, South Africa)
- 650 HAWAII, Honolulu, KORL, verification statement detached from Old NNRC report form. Chief Engineer now Hank Kaul. Station sold to O'Day Broadcasting Co. Hank is former Chief Engineer at WEAQ-790, Eau Claire, WI, and says reports piled up. (Williams, OR)
- 780 VENEZUELA, San Cristóbal, YVOD, "Ecos del Torbes", beautiful multi-colored 30 year anniversary pennant and thank you card, no verification (for SS report, etc.) (Gerardi, IL)
- 800 NETHERLANDS ANTILLES, Bonaire, PJB, R. Nederland Harry Van Gelder photo card w/full data and wrong time in 2 weeks for EE report and letter, no return postage. No verification signer. (McClenaghan, ON)
- 820 COLOMBIA, Cali, HJED, La Voz de Río Cauca sent card in 342 days. Appologized for the delay. Not exactly a verification, name of station not written on card, but have name of "gerante" and "CARACOL". (Beauregard, PQ)
- 834 BELIZE, Belize, R. Belize send verification card in 14 days for aerogram report. Signer is J. Welch, Chief Broadcasting Officer. It was a yellow map card. (George, TX)
+Sent 1/30 and received yellow map card 2/23. (Bixby, CA)
+Sent card in 13 days. (Beauregard, PQ)

- 860 DOMINICAN REPUBLIC, Santo Domingo, HILR, R. Clarin sent a letter in 36 days. (Beauregard, PQ)
- 950 MEXICO, Nueva Rosita, Coah., XEYJ, for report of 11/8 in 4 weeks, letter in SS. Signer Dr. William Name Saade Mc.e. Presidente. (Lobel, CA)
- 1050 MEXICO, Mexicali, B.C., XED, sent letter in SS w/signer A. Maldonado Sotomayor. Report was mailed to their US address. Box 84, Calexico, CA 92231. The letterhead also had XESU-790 and XEHG-1370. (Endza, CA)
- 1178 RYUKU ISLANDS, Okinawa, VOA card in one week. Site given on card. (Williams, OR)
- 1376 FRANCE, Lille, "TDF" card and sticker in 1 month from BP 9516, Paris. (Forth, IL)
- 1466 MONACO, Monte-Carlo, TWR sent red-white map card showing TWR stations in the world w/all details. Also sent gospel leaflet schedules, etc. (Baker, South Africa)
- 1555 CAYMAN ISLANDS, Georgetown, R. Cayman verified promptly with specific letter signed by R.G. Dunlop, Director of Broadcasting. Country number 119. Incidentally, this one continues to be heard here nightly w/what might be the best skywave signals I have ever noted from a 10 kw station. (Stanbury, ON)
- +Nice letter said they were not formally open but were testing and would be testing for several more weeks. Said they do not as yet have verification cards printed. Signer Mr. Dunlop. Also operated 1 kw on 1205 and an FM on 105.3 w/250 watts. Address is P.O. Box 1110. (David Thomas, FL)
- +Letter signed by R.G. Dunlop, Director of Broadcasting, dated 2/11/77, received 2/16/77, mailed without payment of postage on her Majesty's Service. (Lobel, CA)
- +Full data letter (a personal one!) received in 13 days for EE report, 1 IRC. Signed by R.G. Dunlop, Director of Broadcasting. Also said 10000 watts, no verification cards yet. (McClenaghan, ON)
- +Letter from Dunlop rather promptly. Reported my frequency check to him and he seems to have changed the transmitter tuning slightly. Friendly reply to my report. (Peterson, CA)
- 1560 MEXICO, México, D.F., XEVIP, sent letter in 7 months with appologies for delay. Signer is Kathryn M. Loretta. Gave schedule as 0600-0006 local time. Returned mint stamps I sent. (Lazar, WI)
- 1586 WEST GERMANY, Langenberg, WDR, verification received for 1/24 and 2/2 reception. They sent verification 2/24, received 3/1. Long picture card of city and information on back and verification in EE and GG. Address: Westdeutscher Rundfunk, Anstalt des offentlighed Rechts, Koln, Germany. From Technische Direktion. First German broadcast band verification. (Wheeler, PA)

RADIO SAN JUAN - WRSJ

1560 en su cuadrante

P. O. BOX 5627 • SAN JUAN, PUERTO RICO 00905

Contributors

- (Aden, OR) Frank Aden, Bend, Oregon - TRF, S-40B, SM-1, and 4BTV vertical.
- (Allchin, NZ) John Allchin, Auckland, NEW ZEALAND.
- (Apel, NY) Steve Apel, Douglaston, New York.
- (Baker, SA) Denzil V. Baker, Durban, SOUTH AFRICA - Trio 9R59DS, 35 meter longwire wound on crossframe, Baker special antenna.
- (Beauregard, PQ) Dennis Beauregard, Lachine, Quebec - DX-160, non-directional 125 foot equivalent longwire.
- (Belanger, MB) Darryl Belanger, Swan River, Manitoba - Trio 9R59D, SM-2.
- (Bennett, NZ) Gavin Bennett, Invercargill, NEW ZEALAND.
- (Bixby, CA) Mark Bixby, Newport Beach, California - Yaesu FRG-7, 75 foot longwire.
- (Bytheway, WA) Phil Bytheway, Seattle, Washington - SP-600, SM-1, 3 foot wedge.
- (Cartwright, PA) Brian Cartwright, Johnstown, Pennsylvania - Channel Master 6436A, SM-1.
- (Clements, CA) H. John Clements, Panorama City, California - R-390A Sanserino loop.
- (Coleman, NC) Bill Coleman, Rocky Mount, North Carolina - SX-190, Hammerlund Super-pro, DX-160, 2 foot loop, 150 foot longwire.
- (Collins, AR) Steve Collins, Jacksonville, Arkansas.
- (Connelly, MA) Mark Connelly, Arlington, Massachusetts - TRF, R-390A/URR, SM-2, 125 foot center fed wire with medium wave tuner, halfwave 4 Mhz dipole, Pinto car receiver, 2 foot whip. Mark also DXes from West Yarmouth, Massachusetts - R-390A/URR, 2 19 meter (60 feet) sloping verticals w/phasing unit, 2 phased 120 foot longwires, TRF, SM-2, Westinghouse RBM3, 75 meter dipole.
- (Critchett, CA) Jim Critchett, Red Bluff, California.
- (Curtis, VT) Bob Curtis, Colchester, Vermont - SP-600, longwire.
- (Dale, MO) Richard Dale, Urbana, Missouri - HA600A, TRF, 50 foot longwire.
- (Davis, GA) Don Davis, Warner Robbins, Georgia - Hallicrafters S-76, 2 by 2 foot loop, longwire.
- (Davis, CA) Jim Davis, Travis AFB, California - R-390, 5 feet of copper wire.
- (Dunn, NS) Mike Dunn, Head of Chezzetcook, Nova Scotia - HQ-180 1000 foot Beverage 4 feet high, ungrounded at far end.
- (Eckman, PA) Richard Eckman, Philadelphia, Pennsylvania - Harmon Kardon 330C, Modified HQ-180A w/2 mechanical filters, Sanserino loop.
- (Endza, CA) Mike Endza, San Francisco, California - DX-160, 250 foot longwire.
- (Falconer, ON) Jeff Falconer, Clinton, Ontario - Collins 51J4, SM-2 85 foot longwire, TRF.
- (Forth, IL) Karl Forth, Villa Park, Illinois - HQ-160, SM-1.
- (Foxworth, NY) Bob Foxworth, New York, New York - Modified HQ-150, longwire.
- (George, TX) Charles George, Dallas, Texas - SSR-1, SM-2.
- (Gerardi, IL) Rob Gerardi, Benton, Illinois - DX-160, spiral loop, 50 foot vertical tower.
- (Godwin, OR) Larry Godwin, Corvallis, Oregon - HQ-150, SM-2.
- (Hall-Patch, BC) Nick Hall-Patch, Victoria, British Columbia - Modified National HRO, FET Altazimuth loop.
- (Hanavan, CA) Brett L. Hanavan, Chula Vista, California - HQ-180, SPR-4, Sanserino loop.
- (Hansen, Norway) Bjarne Hansen, Vadso, NORWAY - Kenwood QR-666, 240 foot longwire.
- (Hardester, Okinawa) Mike Hardester, stationed in Okinawa - Drake SPR-4, FRG-7, Sanserino loop, various longwire.
- (Hardy, WA) Bill and Nancy Hardy, Aberdeen, Washington.

(Heald, CA) Rick Heald, Oakland, California - R-388, 1 meter wedge.

(Herbst, West Germany) Wilhelm Herbst, Koln, WEST GERMANY - Telefunken-superhet, 34 meter longwire.

(Hogan, IN) Mike Hogan, Highland, Indiana - Realistic TRF.

(Jaisun, WA) Jef Jaisun, Kirkland, Washington - Hitachi Sr-301 stereo, wedge.

(Kaskey, CA) Don Kaskey, San Francisco, California - HQ-140X, SM-2.

(Kawaguchi, Japan) Daisuke Kawaguchi, Hachinohe-shi, Aomori-ken, JAPAN.

(Keeney, KS) Rob Keeney, Lawrence, Kansas.

(Kemper, CO) Ralph Kemper, Grand Junction, Colorado - Norelco portable.

(Klemp, CT) David Klemp, Plantsville, Connecticut - SPR-4, SM-2, 90 foot longwire.

(Korinek, CA) David Korinek, Oceanside, California - TRF, 150 foot half wave longwire, R-388/URR, 244 foot wire.

(Korn, CA) Jim Korn, San Francisco, California - Fisher 90-T AM/FM tuner, 4 foot spiral loop.

(Kramer, IL) Robert Kramer, Chicago, Illinois - HQ-129X, 4 x 3 foot spiral loop.

(Lankford, TX) Dallas Lankford, Austin, Texas - HQ-180A, TRF, loop and RF amplifier.

(Lazar, WI) Bob Lazar, Port Washington, Wisconsin - Heathkit GR-78, SM-2.

(Lobel, CA) Albert Lobel, San Diego, California - DX-160, loop.

(Maloney, OK) Mike Maloney, Bartlesville, Oklahoma - MMR-22, 3 foot Altazimuth box loop.

(Manning, CA) Grant Manning, Escondido, California - Yaesu FRG-7 w/Collins 3.1 mechanical filter, loop with MOSFET preamp.

(Martin, CO) Gene Martin, Denver, Colorado - HQ-180, 48 x 23 inch box loop. Gene also did some DXing while visiting London, ENGLAND on a TRF.

(Mattsson, Sweden) Yngve Mattsson, Overkalix, SWEDEN - R-392/URR with 2.1 khz mechanical filter, 700 meter Beverage.

(McClenaghan, ON) Fred McClenaghan, Scarborough, Ontario - Yaesu FRG-7 SM-2, loop.

(McGonagle, Scotland) Peter McGonagle, stationed at Lossiemouth, SCOTLAND, and Keflavik, ICELAND - TRF.

(McNeil, DC) Pitt McNeil, Washington, D.C. - DX-160, 22 meter V beam antenna.

(MWN) Medium Wave News, publication of the Medium Wave Circle, York, GREAT BRITAIN.

(Meehan, CA) Mort Meehan, Yucca Valley, California - HQ-180, R-392/URR, 222 foot longwire, Sanserino loop.

(Molloy, England) Charles Molloy, Southport, ENGLAND.

(Morby, NY) Roger Morby, Ballston Lake, New York - Ross RS3030, 300 foot longwire.

(Moss, CO) Steve Moss, Fort Collins, Colorado - DX-150A, SM-1.

(Nall, KY) Jim Nall, Louisville Kentucky - HQ-180, TRF, 4 foot box loop.

(Nebron, CA) Larry Nebron, Daly City, California - Drake SW-4A, wedge.

(Nelson, MA) Gordon P. Nelson, Watertown, Massachusetts - R-390/URR, HQ-180, loop, R-392, SP-600, LINDA ferrite loop.

(NZDXT) New Zealand DX Times, publication of the New Zealand Radio DX League, Invercargill, NEW ZEALAND.

(Newell, BC) R. Colin Newell, Victoria, British Columbia - MTA-7, DX-150B, 125 foot longwire, 2 foot frame loop w/ferrite coupler, dipole.

(Nittler, NE) Bill Nittler, McCook, Nebraska - HQ-180, loop.

(O'Hare, WA) Tim O'Hare, Seattle, Washington - FRG-7, SM-2, SP-600JX, HQ-180.

(Oliphant, AB) David Oliphant, Medicine Hat, Alberta - DX-150A, SM-1, TRF, wedge.

(Ormandy, NZ) Paul Ormandy, Omaru, NEW ZELANAD - Barlow Wadley XCR-30.

(Orr, CO) Tony Orr, Colorado Springs, Colorado - Phillips PL-15426, 3 foot loop, 80 foot longwire.

(Orren, WA) Jon Orren, Seattle, Washington - DX-160, SM-1.

(Padula, Australia) Bob Padula, Surrey Hills, Victoria, AUSTRALIA - Trio 9R59DS, 4 foot box loop, BC-221 frequency meter Loggings between 5/8 and 5/14 were made on a DXpedition to Western Australia with Russell James, some 300 km west of Melbourne - Trio 9R59DS, 300 and 400 foot mini-Beverages running Eastwest and Northwest/Southeast, 4 foot loop.

(Pejza, CA) Father Jack Pejza, Modesto, California - SPR-4, Sanserino loop.

(Peterson, CA) Art Peterson, Richmond, California - HQ-180, SM-1, Bendix MN-26, Heath IB 1100 frequency counter.

(Portzer, WA) Bruce Portzer, Seattle, Washington - HQ-180A, SM-2, SB-620, LM-14, FRG-7, 4 foot box loop.

(Rittenhouse, CA) Eric Rittenhouse, Berkeley, California - HQ-160, wedge.

(Schatz, FL) Ron Schatz, Miami, Florida - R-388/URR, LSCA-2, IB-101, IO-102, Sony TFM-1600. Ron also did some DXing while in Houston and Galveston, Texas, and New Orleans, Louisiana - TFM-1600.

(Seaver, CA) Randy Seaver, Chula Vista, California - HQ-180A, Sanserino loop.

(SWNS) Shortwave News Service, Crystal Beach, Ontario.

(SADXC) South African DX Club, Durban, SOUTH AFRICA.

(Stanbury, ON) C.M. Stanbury, Crystal Beach, Ontario - HQ-200, GE RAX-1, 90 foot longwire.

(SCDX) Sweden Calling DXers, bulletin of the Swedish Broadcasting Corporation, Stockholm, SWEDEN.

(Taylor, IN) Charles Taylor, Indianapolis, Indiana - R-390A/URR, 22.5 meter longwire, MCF-1 preset frequency counter.

(David Thomas, FL) David Thomas, Tampa, Florida.

(Thomas, FL) Gerry Thomas, Gainesville, Florida - FRG-7, wedge, SX-110, 50 and 100 foot longwires.

(Tomer, CA) Randy Tomer, Arcata, California - FRG-7, SM-2, wedge HQ-180A, Sanserino loop.

(Townshend, DC) Bill Townshend, Washington, D.C. - North American 4-way system w/ferrite loop. Bill also did some DXing from Rota, SPAIN - Belaire portable.

(Trubee, HI) Bill Trubee, Kealakekua, Hawaii.

(Tull, MO) John Tull, Kansas City, Missouri - NC-173, 36 inch FET loop.

(Welch, FL) William D. Welch, Tallahassee, Florida.

(West, WA) Mark West, Seattle, Washington.

(Wheeler, PA) Frank Wheeler, Erie, Pennsylvania - Hallicrafters S-40B, SM-1.

(Williams, OR) Dave Williams, Astoria, Oregon - SPR-4, 360 foot longwire, SM-1.

(Wilson, CA) Ted Wilson, Fullerton, California - Bendix MN-26C, 2 loops parallel in line, Sanserino loop, QF-1 filter.

(Wood, St. Lucia) Dr. Richard E. Wood, DXing while in St. Lucia - XCR-30 with a whip antenna.

(Young, CA) Jim Young, Wrightwood, California - HQ-180A, 235 foot Vee, SPR-4, 200 foot longwire.

These are the people that made this issue of the IRCA Foreign Log possible. Their DXing and reporting to DXWW and DXWW-II provided the material that went into this log. A big thanks goes to all of them. Also, a big thanks to Bruce Portzer and Charles Taylor, the men that did all the hours of editing the columns that this edition is based on.

RADIO 2UE SYDNEY PTY. LIMITED

237 MILLER STREET, NORTH SYDNEY

Telephone: 92-044

Box 950, North Sydney

Country Index

TP Alaska - 650, 660, 700, 750, 780, 850, 890, 1080.
TA Albania - 1088, 1214, 1394, 1457.
TA Algeria - 251, 529, 548, 575, 890.
TA Andorra - 701, 818.
PA Antigua - 1100, 1165.
PA Argentina - 830, 870, 1030.
TP Australia - 530, 660, 700, 740, 750, 770, 820, 830, 840, 850, 880,
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PA Bahamas - 1540.
TA Belgium - 926.
PA Belize - 834.
TA Benin - 1475.
PA Brazil - 880.
PA British Virgin Islands - 780.
TA Bulgaria - 746, 827, 1223.
TA Canary Islands - 620, 836, 1097.
TA Chad - 1169.
PA Chile - 1180.
TA China - 1525.
TP China - 615, 640, 645, 660, 720, 730, 760, 820, 835, 867, 880, 975v,
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PA Costa Rica - 525, 526, 552.5, 575, 625, 650, 675, 700, 725, 775, 825,
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TA Germany, West - 151, 180, 548, 575, 872, 1016, 1106, 1142, 1196,
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PA Guadeloupe - 640.
PA Guatemala - 640, 730, 810, 850, 880, 1188, 1210, 1570, 1613.
TA Guinea - 1403.
PA Haiti - 1035, 1475.1.
TP Hawaii - 550, 620, 650, 720, 760, 830, 870, 940, 1040, 1080, 1310,
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PA Honduras - 705, 830, 944, 945, 1110.
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TA Iran - 557.

TA Iraq - 908, 1035.
 TA Ireland - 566.
 TA Israel - 529, 737, 1286.
 TA Italy - 845, 899, 1115, 1578.
 PA Jamaica - 550, 580, 750, 770.
 TP Japan - 530, 580, 670, 700, 750, 760, 770, 830, 840, 870, 880, 890,
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 TP Korea, North - 585, 625, 635, 655, 725, 735, 775, 785, 820, 850, 875.
 TP Korea, South - 600, 710v, 840, 880, 890, 1570.
 TA Libya - 539, 827.
 TA Lithuania - 1385.
 TA Luxembourg - 236, 1439.
 TP Malaysia - 885, 1475.
 TA Mauritania - 1349.
 PA México - 540, 570, 580, 590, 650, 660, 710, 730, 760, 800, 810, 830,
 840, 850, 860, 870, 900, 920, 930, 940, 950, 970, 990, 1000,
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 TA Morocco - 209, 611, 701, 818, 827, 863, 935, 1043, 1115, 1196, 1232.
 TA Mozambique - 737.
 TA Netherlands - 746.
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 TP New Zealand - 660, 860, 880, 1000.
 PA Nicaragua - 540, 555, 625, 660, 660.5, 750, 775.1, 830, 875, 1115.
 PA Panamá - 650, 690, 770, 825, 840, 860, 1045, 1125.
 PA Paraguay - 645, 735, 835.2, 1305.8,
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 TA St. Pierre-et-Miquelon - 1375.
 PA St. Vincent - 705.
 TA Saudi Arabia - 647.
 TA Senegal - 764.
 TA Sierra Leone - 1205.
 TA Somalia - 963.
 TA Spain - 584, 638, 683, 728, 737, 773, 809, 827, 854, 872, 917, 989,
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 PA Surinam - 640, 725, 914.
 TA Sweden - 1178.
 TA Switzerland - 764, 1562.
 TA Syria - 566.
 TP Tahiti - 740.
 TP Thailand - 830, 843, 1580.
 PA Trinidad - 730.
 TA Tunisia - 584, 629, 719.
 PA Turk and Caicos Islands - 1548, 1552.
 TA Turkey - 245, 1016.
 TA Ukraine - 764, 872.
 TA U.S.S.R. - 236, 656, 1546.
 TP U.S.S.R. - 155, 173, 182, 191, 200, 218, 227, 236, 245, 263, 272,
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 1376, 1475, 1525.
 TA Upper Volta - 746.
 TA Vatican - 1529.
 PA Venezuela - 570, 640, 650, 660, 670, 700, 710, 720, 740, 750, 760,
 830, 890, 910, 940, 950, 990, 1000, 1020, 1040, 1080, 1110,
 1120, 1180, 1200.
 TA Yugoslavia - 683, 1124, 1133.

Abbreviations

a	approximate frequency	IRC	International Reply Coupon
AA	Arabic	IS	interval signal
ABC	Australian Broadcasting Commission	JJ	Japanese
addr	address	jx	jingle
ancr	announcer	kHz	kilohertz
ann'd	announced	KK	Korean
AN	all-night	kw	kilowatts
ARC	Arctic Radio Club	LA	Latin America(n)
BB	baseball	L&C	loud and clear
BBC	British Broadcasting Corporation	loc	location
BC	broadcast	LPRT	low powered relay xmtr
BCB	broadcast band	LSR	local sunrise
BFO	beat frequency oscillator	LSS	local sunset
BoD	board of directors	LW	longwave, longwire
CA	Central America	ment	mention
CC	Chinese	min(s)	minute(s)
CE	Chief Engineer	MM	Monday morning
cl	classical (music)	MoR	middle of the road (music)
cw	country & western (music)	MW	medium wave, megawatt
cx	conditions	MWN	Medium Wave News
DA	directional antenna	mx	music
dB	decibels	NA	National Anthem, N.America
DD	Dutch	NHK	Nippon Hoso Kyokai
def	definite(ly)	NSP	no silent period
DF	direction finding	nx	news
DSA	deep South America	o/	over
DST	daylight savings time	OC	open carrier
DU	Down Under	occ	occasional(ly)
DX	long distance reception	OM	man
EBU	European Broadcasting Union	o/u	over and under
EC	East Coast	PFM	precision frequency measurement
EDT	Eastern Daylight Time	pgm	program
EE	English	poss	possible, possibly
ELT	Eastern Local Time	PP	Portugese
esp	especially	Pres	president
EST	Eastern Standard Time	PSA	pre-sunrise authority, public service announcement
ET	equipment test	pwr	power
eve	evening	QRA	station name
EZL	easy-listening (music)	QRM	interference
FB	football	QRN	noise
f/c	frequency check	QSB	fading
FF	French	QTH	location
freq	frequency	rcvd	received
FS	foreign service	rlgs	religious
GG	German	rpt	report
GM	General Manager	RR	Russian
GMT	Greenwich Mean Time	rr	rock and roll music
govt	government	RS	regular schedule
GSQ	"God Save the Queen"	rx	receiver
GY	Graveyard frequency	SAH	subaudible heterodyne
h	harmonic reception	SASE	self-addressed envelope
het	heterodyne	sec	second
hi	a laugh	sig	signal
hr	hour	SM	Sunday morning, Space Magnet antenna
hrd	heard	s/on	sign on
Hz	hertz	s/off	signoff
IBA	Independent Broadcast Authority	SRS	sunrise skip
ID	identification	SS	Spanish
II	Italian	SSB	"Star Spangled Banner"
inst	instrumental	SSS	sunset skip

SW	shortwave	v/l	letter verification
t	tentative reception	VOA	Voice of America
TA	Trans Atlantic	v/q	QSL card verification
TC	time check	w/	with
tnx	thanks	WC	West Coast
TP	Trans Pacific	w/o	without
TT	test tone	WRTH	World Radio-TV Handbook
TVL	interference from TV set	wx	weather
tx	transmitter	YL	woman
u/	under	Xint	excellent
UFO	unidentified foreign oriental	xmsn	transmission
unid	unidentified	xx, xmtr	transmitter
unkn	unknown	xtal	crystal
UTC	coordinated universal time	?	unknown, unidentified
v	frequency varies	//	parallel (programming)
v/c	verification by postcard	@!\$%&*'	unpleasant, not nice

TIME CONVERSION CHART

All times in this log are in Coordinated Universal Time (same as GMT), unless otherwise noted. The following chart will help in converting to the reader's own local time.

GMT	ADT	AST	EST	CST	MST	PST	YST	HST
UTC	ADT	EDT	CDE	MDT	PDT	YDT	ALDT	ALST
0000	2100	2000	1900	1800	1700	1600	1500	1400
0100	2200	2100	2000	1900	1800	1700	1600	1500
0200	2300	2200	2100	2000	1900	1800	1700	1600
0300	0000	2300	2200	2100	2000	1900	1800	1700
0400	0100	0000	2300	2200	2100	2000	1900	1800
0500	0200	0100	0000	2300	2200	2100	2000	1900
0600	0300	0200	0100	0000	2300	2200	2100	2000
0700	0400	0300	0200	0100	0000	2300	2200	2100
0800	0500	0400	0300	0200	0100	0000	2300	2200
0900	0600	0500	0400	0300	0200	0100	0000	2300
1000	0700	0600	0500	0400	0300	0200	0100	0000
1100	0800	0700	0600	0500	0400	0300	0200	0100
1200	0900	0800	0700	0600	0500	0400	0300	0200
1300	1000	0900	0800	0700	0600	0500	0400	0300
1400	1100	1000	0900	0800	0700	0600	0500	0400
1500	1200	1100	1000	0900	0800	0700	0600	0500
1600	1300	1200	1100	1000	0900	0800	0700	0600
1700	1400	1300	1200	1100	1000	0900	0800	0700
1800	1500	1400	1300	1200	1100	1000	0900	0800
1900	1600	1500	1400	1300	1200	1100	1000	0900
2000	1700	1600	1500	1400	1300	1200	1100	1000
2100	1800	1700	1600	1500	1400	1300	1200	1100
2200	1900	1800	1700	1600	1500	1400	1300	1200
2300	2000	1900	1800	1700	1600	1500	1400	1300

ADT	Atlantic Daylight Time	PST	Pacific Standard Time
AST	Atlantic Standard Time	YDT	Yukon Daylight Time
EDT	Eastern Daylight Time	YST	Yukon Standard Time
EST	Eastern Standard Time	ALDT	Alaska Daylight Time
CDT	Central Daylight Time	ALST	Alaska Standard Time
CST	Central Standard Time	HST	Hawaii Standard Time
PDT	Pacific Daylight Time		

