

6/77-6/78

IRCA

FOREIGN

LOG

VOLUME

SEVEN

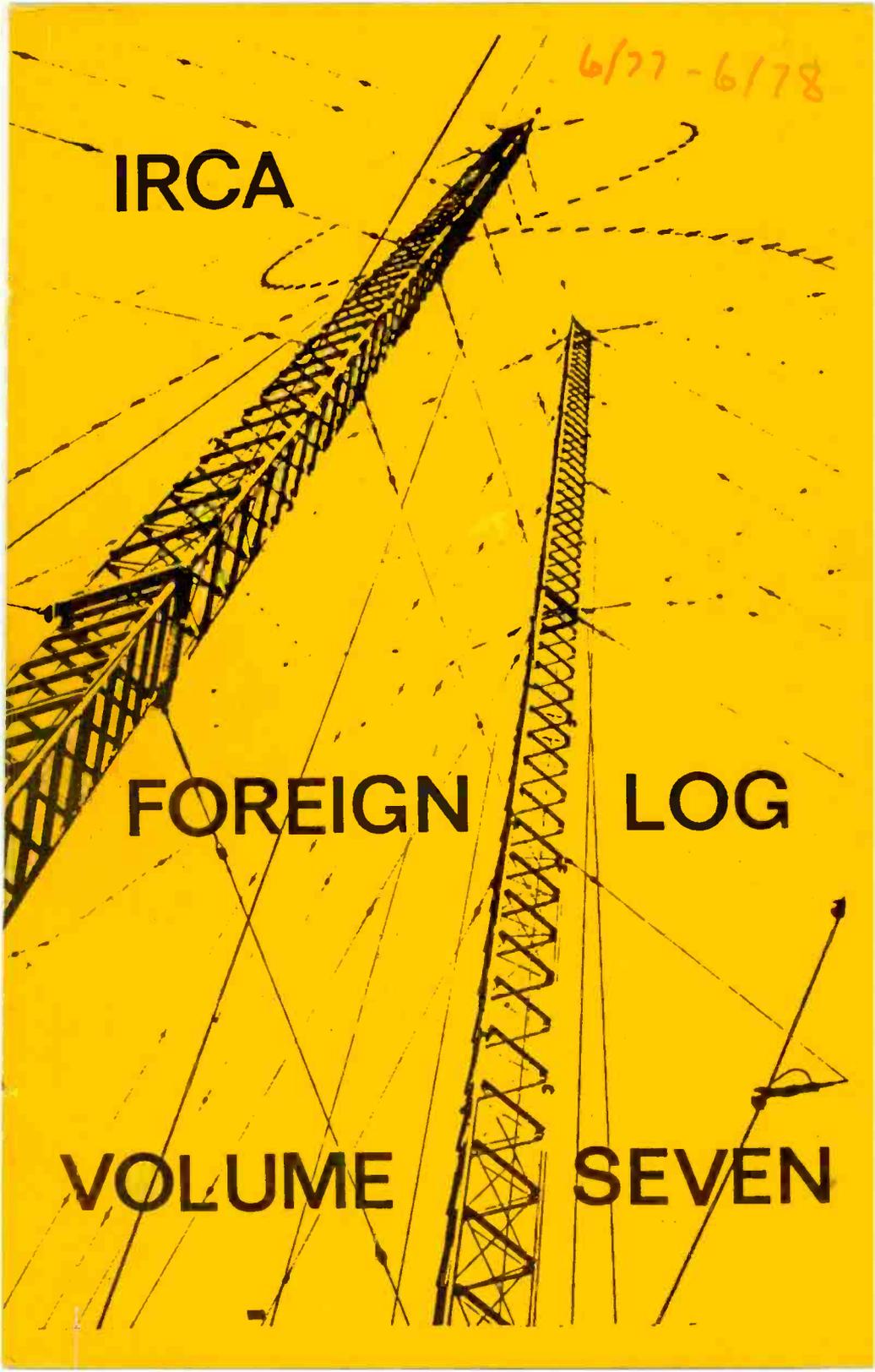


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The IRCA Foreign Log is published by the International Radio Club of America.

Introduction

To the casual listener, it might seem impossible to receive AM radio stations transmitting from foreign countries. But not only is it possible, for several hundred people it is a hobby done on a regular basis. A few have actually heard stations in over one hundred countries throughout the world. While it does take a great deal of skill and some sophisticated equipment to hear several dozen countries, the beginner can find it relatively easy to hear twenty or more countries on a thirty dollar portable.

It is not difficult at all to hear Central America, the Caribbean, or South America from anywhere in the U.S. or Canada; and relatively easy to hear Asia from the west coast of North America, and Europe and Africa from the east coast. It's largely a matter of knowing what to listen for and when. It was out of this need to exchange information that DX listeners formed clubs in the 1920's and 30's to swap tips on domestic and foreign stations and how to hear them. The IRCA Foreign Log is a more recent outgrowth of that need.

The IRCA Foreign Log is a compilation of reception information reported by members of the International Radio Club of America to "DX Worldwide", the foreign loggings section of the club's bulletin, DX Monitor. This particular log is the seventh annual foreign log published by the IRCA. The first log was developed by Father Jack Pejza in 1972 as a way of providing club members with a ready reference of station information. Before then, club members had to search back through several months' or even years' worth of bulletins to find needed information on an elusive station.

The bulk of the information in this log is reports of actual receptions of stations as reported by club members. The information includes programming information, schedules, times and dates of receptions, and signal strength and interference. Other information contained in this log includes information on station changes and schedules gleaned from various publications, propagation information, verifications (QSLs) received by club members, and other special feature articles. A special section in this year's log focuses on the 9 kHz frequency plan scheduled to go into effect in Europe, Africa, Asia, and the Pacific in late November.

The IRCA Foreign Log is not intended to be a complete listing of all foreign broadcast band stations in the world, but rather a list of the stations which have been heard in North America. It is intended to serve as an addition to reference works such as the World Radio TV Handbook, which lists basic information such as station frequencies and schedules, but does not go into detailed reception information.

The format used in this log is similar to that used in DX Worldwide. The reports are divided into three sections according to the area of origin: Atlantic (Europe and Africa), Pan American (Central and South America, the Caribbean), and Pacific (Asia and Oceania). Within each category stations are listed by frequency, then by country, then by date and time of reception. The names of contributors and their locations are given after each item. Many abbreviations are used in order to conserve space; a listing of these abbreviations appears elsewhere in this book.

We sincerely hope you find this edition of the IRCA Foreign Log to be a valuable addition to your DXing reference library.

--- Bruce Portzer, IRCA President

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 several foreign countries.

The IRCA publishes its bulletin, DX Monitor, 34 times a year: weekly during the fall and winter "peak season" and monthly during the spring and summer. A typical issue of DX Monitor is divided into several sections. "DX Forum" contains members' discussions on club and DXing activities, "DX Roundup" contains reports of members' latest domestic DX receptions, "DX Worldwide" contains reports of members' latest foreign receptions, and "DX Worldwide II" contains information on stations compiled from other publications and club bulletins. There are also regular feature columns on medium wave propagation, equipment, programming, and verifications. Regular special features articles appear on listening techniques, radio stations, and other interesting topics. In addition, a Courtesy Programs Committee arranges special DX Programs with stations at times when they will be easier to hear.

The IRCA hosts an annual convention and members have numerous local gatherings throughout the year. The club has a democratic government with an elected President, Secretary-Treasurer, and Board of Directors.

Membership is open to any person in any country with an interest in broadcast band DXing. Dues, covering the cost of printing and mailing the club bulletin, are \$16.50 in the U.S., Canada, and Mexico, and \$20.00 to the rest of the world. Persons joining for the first time receive a new member kit with articles and information about the club and the hobby. A special "trial membership" which includes 10 bulletins and a copy of the new member kit is available for \$6.00. Sample copies of the club bulletin are available for 50¢ each. Dues and sample requests may be sent to IRCA, P.O. Box 26254, San Francisco, CA 94126. Checks should be payable to IRCA.

Propagation

GEOMAGNETIC INDICES

Various indices of geomagnetic and auroral disturbances in the earth's magnetic field have come to be known as indicators of long distance medium wave propagation conditions.

The most frequently used indicator is the A-index, a measurement of geomagnetic activity in the ionosphere. Its usefulness as an indicator of medium wave propagation conditions can be described as follows:

"High values of A_p (the A-index as measured at Fredericksburg, MD, ed) 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 disturbances is strongest in high latitudes and persists for some days following the initial particle influx. Values of A_p above 20 are inevitably associated with high level levels of absorption along high latitude TA & TP paths. Very high levels (above 40) are usually accommodated by E-layer blanketing over North America and Europe; on such nights signals from the south will appear to dominate most channels. Long periods of low geomagnetic/auroral activity are necessary but not sufficient to guarantee 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." (Gordon Nelson, DX News, May 13, 1972)

Observations made during the last few years suggest that the initial stages of major geomagnetic disturbances may actually create a short-term enhancement of high latitude TA and TP reception. The exact reason for this phenomenon is not clear at this time.

The K-index is another useful indicator of geomagnetic activity. It is similar to the A-index in that it measures disturbances in the upper atmosphere, but it is computed every six hours. The A-index, on the other hand, is updated once a day. The K-index, therefore, is useful for noting very recent or short term geomagnetic activities. The following table shows the approximate equivalence between A and K indices:

<u>A-index</u>	<u>K-index</u>	<u>Conditions</u>
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

Reports of geomagnetic and solar activity are broadcast at 18 minutes after each hour on National Bureau of Standards station WWV on 2.5, 5, 10, and 15 MHz shortwave. The transmissions include the most recent A and K index values, reports and forecasts of geomagnetic field conditions, and occasional reports of significant or unusual solar or geomagnetic activities.

The following is a compilation of A-index values for the period of September, 1977, to June, 1978, arranged in calendar format (i.e. on September 6, the A-index was 4). Following each month's A-indices are propagation reports and observations made by IRCA members during that month. It is hoped that, by arranging the information in this fashion, the reader can develop a greater understanding of the relationship between the A-index and actual medium wave reception.

SEPTEMBER, 1977

			5	6	7	
2	2	4	5	9	12	14
17	6	21	8	10	7	11
5	28	39	44	40	14	15
12	14	23	9	3	4	

- +Looks as though we might be in for a good season. Starting to hear carriers on the split frequencies (in late August/early September). (Curtis, VT)
- +Alaskans have been regular for the past month; TPs have been heard regularly during August and early September, although no super openings have been noted yet. (Tomer, CA)
- +In many Augusts, you can hear the static level decline the last third of the month as the result of thunderstorms tapering off. Didn't seem to happen this year and static level was still high 9/6. (Martin, CO)
- +MM 9/5 was one of my best mornings ever for Alaskans, probably the best since 1969. It was also an excellent morning for TPs, unusually good for this early in the season. (Porter, WA)
- +Mid-September TA conditions were fair-good, although not as good as in 1975-76. 9/22-26 was rather auroral w/LAs often vying for dominance with US stations. (Connolly, MA)
- +During the last few weeks, reception of Caribbean stations has been the best I've ever heard. (Allinson, NC)
- +No Europeans have been heard this season up to 9/28 and even Dakar-764 is still missing. 1205 carrier around 0600 9/28 was probably Sierra Leone with the A-index at 27. Guinea-1403 is still quite dependable. (Martin, CO)

OCTOBER, 1977

						3
7	10	10	8	7	5	6
4	3	5	25	15	8	11
12	12	19	24	7	6	17
7	6	4	5	38	37	8
7	7					

- +Conditions seem to be a little better than at this time last year. (Portzer, WA)
- +TPs still not as good as they should be this time of year, but still I have spotted some new ones here and there. (Peterson, CA)
- +TP conditions were really fine here 10/7-11 with 10/9 the best. (Hall-Patch, BC)
- +MM 10/7 found excellent conditions. 10/18 was much worse. (Kaskey, CA)
- +Continued high solar activity combined with periods of relatively high geomagnetic activity seem to be destroying the season for TAs. 10/21 was a real washout with only the normal highbanders coming in. (Eckman, PA)
- +Asians and Alaskans were in well the first week of October. Although TPs were strangely absent MM 10/10, some TA activity was noted 10/11. Conditions in mid-October varied from spotty to auroral most of the time, with lots of DU and LA activity. Around 10/25 some TP activity was noted; on 10/27 DaKar-764 carrier was in with the A-index at 5. The next night the A-index was 38 and Hawaiians were booming in. It's interesting that TA receptions occur here at the start of an apparent increase in geomagnetic activity. (Portzer, WA)
- +10/25-26 possible auroral conditions blocked out most stations from the north while it was a great night for Latin Americans. (Townshend, DC)
- +Conditions at sunset: 10/26 good for TAs, 10/28-30 heavily auroral, 10/31 moderately auroral, 11/1 slightly auroral - conditions returning to normal with Iberians back along with the Africans. (Connelly, MA)
- +Conditions seem to be improving, especially for Latin and Caribbean stations. Almost every frequency has something from these areas from one hour before sunset to early in the morning. Best reception for them I've ever experienced. (Allinson, NC)

NOVEMBER, 1977

		4	4	4	7	12
12	9	5	3	10	5	14
20	30	23	12	6	5	6
4	3	4	4	5	10	15
10	5	5	8			

- +Conditions were below par 10/18-30. Improved a bit 10/31 and was pretty good 11/7, although 11/6 was pretty poor. Listened 2300-0230 PST 11/6-7 and found things were in well including Alaskans. Japan-1310 was pretty potent. (KAskey, CA)
- +This season seems to be best for Central America so far. Carriers on 575, 655, 754, 765, 775, 825, etc. are a nightly occurrence with audio on 575, 655, 675, 775, & 825 quite frequently. TP's and especially TA's not nearly as good as last season. (Hall-Patch, BC)
- +Things are hot with good openings to Africa. Solid copy signals appearing as early as 3:25 p.m. local time. (Dunn, NS)
- +Auroral-like conditions 11/26-26 brought on best Latin evenings and mornings yet heard here. (Baskind, MS)
- +Over the hour from 0000 to 0100 11/26 a great decrease in domestic skip signals was observed and, interestingly, the Africans were still loud 0100 after the "domestic dropout" 548, 612, 701, 818, 1044, & 1403 up well. LA's, however, were unusually weak! Nothing in from Europe. All signals other than groundwave and African skip were weak. (Connelly, MA)
- +Conditions MM 11/28 were excellent for Latins and low-latitude DUs (Fiji, Tarawa, Hawaii) but no deep down DUs (i.e. Australia & New Zealand) were heard. (Portzer, WA)

DECEMBER, 1977

				4	37	8
8	15	4	2	2	3	3
34	18	13	7	5	9	9
3	3	4	5	4	4	5
5	9	4	9	7	5	7

- +On 12/6 at 2015 PST nothing from Washington, Oregon, Canada, or points east was audible, but strong signals from California, Nevada, and Mexico were heard. Incredible: KJOY-1280 with no KBDP; KSL, KBOI, & KGA virtually inaudible while Californians in like gangbusters: on 920, no KGAL/KXLY, instead KOLO, KVEC, & KITN. After 2100 PST things got closer to normal. (Bill Hardy, WA)
- +As of 12/17, I would classify the present DX season as the worst in years for TAs, possibly the worst since 1968. TP reception very good a few days in early October, then disintegrated and never restored itself. Japan not heard any time. 1376 Siberian carrier found once 11/12, but not again. Malaysia-1475 zero. 665 & 647 were fair to excellent at times early in the season but my last notation for them and the 655 Korean was 11/12. Would say TPs and TAs peaked during October, then went downhill afterwards. IAs doing fairly well, but they always do. (Martin, CO)
- +TA conditions do not seem to be as good as during the corresponding period two years ago. MW BBC stations have gotten irregular to the point where I have to use shortwave to keep up on BBC news. (Connelly, MA)
- +12/16 MM saw fine signals from the eastern U.S., Alaska, Hawaii, Central America, and the Caribbean, but nothing more distant than those regions. (Portzer, WA)
- +TA conditions were up the few days preceding 1/3. In fact, it was probably one of the best periods of TA reception this season. One interesting observation: although conditions have been quite good at sunset there has been a tendency for conditions to fall off after, say, 2300 local time, and be mediocre the rest of the night, even at European

sunrise. Roma and other lowband TAs are often exceptions to the above, however. There's been quite a run of low A-indices the last few days (i.e. the last week in December. ed). If it weren't for the Midwinter Anomaly I think this would have been a really outstanding period of TA reception. Another interesting note: the solar flux values have been much higher than last year. Values ranging in the 130's have been noted, compared to the low 70's last season. (Eckman, PA)

JANUARY, 1978

5	7	11	57	21	26	10
15	17	15	4	2	8	2
1	7	6	8	4	3	1
2	1	4	12	8	2	8
32	23	18				

- +With a solar flux of 139 and K-index of 2 or less, 1/2 morning was excellent, especially for Pan Americans. (Korinek, CA)
- +A long period of favorable TA conditions was noted 12/30-1/3. A longwave scan was done during a DX break at a New Year's party at the home of a ham friend with an R-390 and a MOSFET longwave converter. France-164 and Germany-180, both in FF, were loud around 0400 1/1. On 1/3, while driving home from work, Portugal-719 & 755 were noted up well around 2200. On the evening of 1/4, auroral conditions had set in. The best TAs were 764, 1403 & 1349, all Africans. Europeans were poor. Toward 0100 1/5 band conditions were auroral with a vengeance. By 0400, conditions seemed to be fluttery short-skip; LAs were not too strong except for PJB which was blowing the house down with an outrageous signal. Evening of 1/5 auroral conditions with domestic skip signals severely weakened; LAs not particularly strong, but generally dominant over U.S. stations. (Connelly, MA)
- +Conditions really deteriorated after 1/3. A major geomagnetic storm occurred 1/3-4 driving K-index at 1800 1/4 to 6. Conditions at sunset 1/3 featured many low-latitude TAs on the low end of the band. Some enhancement on the high end of the band occurred during the evening hours of 1/4 (UTC 1/5) with some interesting loggings. (Eckman, PA)
- +Conditions were interesting 1/4. I could barely hear WWV! After checking with WWV I discovered the K-index was 5 and the A-index was 70! I then tuned to 690 expecting to hear XETRA wiping out CBU, as often happens. Instead I heard CBU in well with only slight traces of XETRA in the background. The aurora had apparently wiped out most of XETRA's skywave, leaving mostly just CBU on groundwave. (Portzer, WA)
- +Visual sighting was made of a brilliant auroral display while on board a plane westbound from Tel Aviv and Paris to Boston. Aurora was seen outside the port window of the plane off Newfoundland & while flying over Newfoundland, Prince Edward Island, and Nova Scotia 1/5 0200-0400. (Townshend, DC)
- +The week of 1/5-12 was characterized by a mixture of auroral conditions and short skip. Europeans were poor. LAs not loud, but they usually won by default over badly weakened domestics. The Caribbean area had a definite edge over S. America, with lower powered Dominican Republic stations frequently dominant over higher powered Venezuelans and Colombians. Africans would probably have been good with a "Bill Bailey or Mike Dunn style Beverage installation". (Connelly, MA)
- +Excellent TA conditions over the holidays made up for the poor season but good conditions came to an end 1/4. (Podá, OH)
- +1/14-21 exhibited transitional characteristics going from an auroral period to a return of TA openings. Short skip prevailed with strong signals from domestic stations in the mid-Atlantic states and Great Lakes area. TAs were in well carrier-strength wise, but short-skip QRM was a limiting factor on TA audio extraction. (Connelly, MA)

FEBRUARY, 1978

			15	11	12	8
14	10	5		14	7	4
7	7	8	32	7	6	8
11	9	8	14	4	3	9
21	33	32				

- +TPs are back, tee hee. (Tomer, CA)
- +Latter part of January produced excellent conditions to Europe with USSR on 1385, 1142, and 1546 often with good signals. (Dunn, NS)
- +The worst TP season for me ever. Usually conditions improve much more by this time in mid-February. (Williams, OR)
- +2/9-10 semi-auroral conditions with low latitude TA paths good. 2/13 more auroral, but North Africans still evident at sunset. 2/15-17 heavily auroral - domestic skip attenuated, 764 and 1403 the only TAs, LAs excellent, of course. 2/18-20 mixed auroral and short-skip conditions. 2/21-24 short skip conditions and return of the more powerful TAs mostly on the high end (not normal). Low end Iberians-North Africans which are usually loud at sunset were poor compared to high-banders. (Connelly, MA)
- +Very good Central American reception around 1100-1200 during mid-late January. Some DUS noted 2/20 but no Asians. (Portzer, WA)
- +Conditions quite poor for TAs (unless I've missed something). The only interesting evening was 2/22 when the high end was quite good for TAs. Presumably there was a geomagnetic disturbance on 2/21 or 2/22 contributing to this high-end enhancement. (Eckman, PA)
- +A check with WWV at 0618 2/25 showed the A-index was 4 and the K-index was 1, and that a major "storm" had begun at 0305. It was making itself known; I couldn't even hear WCCO. (Portzer, WA)
- +DX has been nil. Tried MM 2/27 but conditions were very poor. (Merriman, VA)

MARCH, 1977

			28	20	13	2
4	3	7	12	14	14	6
1	9	11	13	18	22	17
14	7	8	15	16	5	3
39	53	19	16	14	7	

- +3/6 was dead. No TPs, Indonesians, DUs, or Latins! (Peterson, CA)
- +Not much happening on the foreign scene. (Hall-Patch, BC)
- +Conditions below 1000 a total "dog". Few TAs. Domestic skip weakened and LAs even poor. TV QRM and powerline noise seemed worse than usual against this backdrop of weakened signals. After midnight short skip picked up; this pattern was noted on several nights. 3/2-3 seemed to be gravitating towards more normal conditions for domestics, TAs still be low par. The first nine days of March were poor for TAs at sunset. Only a few of the powerhouses were in and these at below normal levels with erratic fading. Domestic skip was enfeebled on the low end; strong short-skip prevailed on the high end. LAs were good especially later in the evening. After 0400 low end domestics "recovered" on most nights (Connelly, MA)
- +3/25 conditions normal, low end TA opening, especially to Iberia/Morocco: 3/29 heavily auroral, TAs poor, Africans only, LAs good; 3/30 auroral, TAs poor, LAs good; 3/31 transitional conditions, TA opening to Africa, LAs not checked. (Connelly, MA)

APRIL, 1978

						10
11	24	27	19	8	4	4
6	32	45	24	22	31	15
8	6	13	29	13	11	9
24	31	16	19	14	14	6
32						

- +4/2 transitional; high-end opening to Iberian peninsula around 0600, LAs good. 4/3-4 disturbed: some European TAs in, but below normal level. 4/6-13 very auroral on low end. Short skip with auroral flutter on high end. Sometimes LAs were in well, but most often even the LAs were weak, although they dominated over weakened low-band domestics in the early evening. Low band opened to the midwest in late evening, allowing still weak midwest clears to override the LAs. High end domestics were stronger but much more fluttery than their low-end counterparts. The only TAs in were Africans, notably Senegal-764 and Guinea-1403; these too were in unusually weak. As on similar overall weakened-skip conditions local noise/TVI was often the prime factor limiting reception possibilities. 4/13 a local weather forecaster went into great detail about a recent huge solar flare & its effects on visible auroral and radio blackouts. 4/17 flutter on domestics, band good for LAs. 4/23 weakened domestics from Great Lakes area on low end; in on apparent low E-layer skip; steady and unusually dominant but 20 db weaker than normal. LAs weaker than during a really "good" domestic eliminating aurora. TA activity negligible, even 1403 hard to find. 4/25 band conditions poor except for a high-end African opening 0000-0030. (Connelly, MA)
- +Local newspapers carried an account of "what may have been the largest solar flare in 25 years" on 4/28. The flare began 1308 & lasted about 3 hours. No DXing, other than some casual listening the evening of 4/28 was done that weekend, so the exact effect of the flare on BCB DX is not known. Conditions 4/28 seemed pretty close to normal for this time of year. (Portzer, WA)

MAY, 1978

	66	62	49	60	8	7
8	14	65	11	21	20	9
13	7	8	10	5	4	7
24	18	26	24	13	7	5
5	6	18	16			

- +April-May static level seemed to be lower than in previous years, apparently due to fewer thunderstorms than usual. Found many nights almost as clear as in wintertime. (Martin, CO)
- +There must have been an aurora in high gear the first week in May as most stations from the north were wiped out or had very weak signals while the Latins were in clear. (Townsend, DC)
- +Early May provided some of the finest Latin American conditions ever heard. The aurora noted 5/5-6 blanked out domestic skip, allowing Latin dominance throughout the band. In West Yarmouth, away from large cities and near water towards Latin America, the possibilities of this opening were fully realized. I didn't have time to log and ID everything audible; most domestic channels had Latins on them plus numerous splits were also audible. On 5/7 the band became more normal with restoration of some domestic skip. (Connelly, MA)
- +5/28 low end open around 0130 for TAs: 548, 611, 719, & 737 hets on car radio. 540 had good CBT. 5/30 numerous high end hets just before sunset on car radio at coastal pine swamp area: 1421, 1439, 1538, & 1586 noted around 0015. 1586 occasionally pushed audio through the domestic splatter. (Connelly, MA)

JUNE, 1978

				13	51	34
20	37	18	14	12	5	28
16	9	8	5	8	7	11
12	20	12	25	13	16	21
22	39	17	13	29	27	

NIGHTTIME MEDIUM WAVE PROPAGATION BY IONOSPHERIC REFRACTION
by Randy Seaver

1. INTRODUCTION

The propagation of medium frequency radio waves by ionospheric refraction commonly called "skywave" propagation, is a very complex subject that has baffled, confused and intrigued propagation experts and medium wave listeners/DXers alike since the 1920's. Even today, there is a considerable range of opinion concerning the question:

"Which ionospheric layers or regions refract medium frequency radio waves?"

The DX club technical literature presents a diverse array of opinion, including:

In G. Nelson's comprehensive article on "Medium Wave Propagation" (Reference 1), Figures 3a-1 and 3a-2 imply nighttime refraction from the F layer at an altitude of 300 kilometers. In the text, Nelson states:

"Most of this highly absorbing ionization (in the D and E layers) disappears as soon as the ionosphere is no longer in daylight...and this region rapidly becomes transparent to MW signals after local sunset."

G. Nelson's articles on "MW Signal Paths" (Reference 2) and "Geographical Patterns in CQB DX Reception during Periods of High Auroral Activity" (Reference 3) indicate partial reflection by the E layer and reflection by the F layer. G. Nelson's article on "Skyline Blockage" (Reference 4) discusses the "normal night E" and "sporadic E" regions and notes that the critical frequency of the night E layer often falls within the medium wave band.

Fr. Jack Pejza's excellent article, "A Beginner's Guide to the Ionosphere" (Reference 5), describes the composition of the ionosphere, discusses the refraction and absorption of radio waves by the ionosphere, and notes:

"Nighttime skywaves frequently penetrate the E layer and are reflected from the F layer, particularly at the high frequency end of the MW band, and at nearly vertical angles of incidence."

F. Olinning's article, "Factors Affecting Propagation of the Medium Frequency Broadcast Band" (Reference 6), states that the night E layer contributes to MW signal attenuation, while the F layer is responsible for nighttime MW propagation.

Finally R. Schatz's recent article on "Medium Wave Ionospheric Propagation" (Reference 7) claims that E layer reflection is responsible for most medium wave long distance propagation.

The serious reader is urged to read the referenced articles to ascertain the context of the above quotes, statements and inferences.

The many technical books available on the subject of ionospheric propagation generally derive the magnetoionic equations, describe the effects of solar radiation on the Earth's atmosphere (including the ionosphere), describe the influence of the ionosphere and the Earth's magnetic field on radio wave propagation, and develop methods of estimating radio wave signal strengths at a receiver remote from a transmitter. Two of the best books are K. Davies' "Ionospheric Radio Propagation" (Reference 8) and Y. Al'pert's "Radio Wave Propagation and the Ionosphere" (Reference 9). However, there is a notable lack of meaningful discussion in these sources that adequately describe medium wave propagation.

The technical journal and technical report literature contains more specialized and detailed information on a wide range of subjects, but there are relatively few articles and reports that treat medium wave propagation. Two particular reports, one by Barghausen, Finney and Fisher entitled "Radio Broadcasting on Medium Frequencies" (Reference 10) and the other by Grudinskaya entitled "Propagation of Radio Waves" (Reference 11), state positively that the E region is responsible for long distance medium wave propagation.

The author has been researching the general field of radio wave ionospheric propagation for several years, with a special interest in the medium frequencies. The subject matter is very broad, quite complex, and difficult to simplify so that the average person can understand it. This article examines the available data and information in order to answer the relatively simple question posed in the first paragraph above. The discussion is as non-technical as possible; however, the use of several algebraic equations is necessary to illustrate several important points. The following sections describe the characteristics of the nighttime ionosphere that affect radio wave propagation, provide a general discussion of the refraction of radio waves, and present the simplified theory for the determination of the altitudes at which the refraction of medium frequency radio waves occur.

2. THE NIGHTTIME IONOSPHERE

Initially, we shall briefly discuss the ionospheric electron density distribution that occurs at night at the middle or low altitudes under quiet geomagnetic field conditions. This condition is of supreme interest to medium wave listeners/DXers. The electron density distribution in the ionosphere is of great importance because refraction and absorption of radio waves cannot occur without free electrons in the ionosphere.

Solar radiation produces ionization of molecules in the ionosphere such that there are some ions, some electrons, and many neutral molecules at altitudes above about 60 km. during the daylight hours. During the day, there are peak concentrations of electrons at altitudes of 60 to 80 km. (the D region), 90 to 120 km. (the E region), and 150 to 400 km. (the F region). At low altitudes, the ions and electrons recombine fairly rapidly after sunset, while at high altitudes (the F region) substantial numbers of electrons exist during the night. However, there are always some ions and electrons between 80 and 150 km. altitude even under equilibrium quiet night conditions. Figure 1 shows the variation in electron density distribution in the ionosphere for quiet night conditions; this data was obtained from a number of sources (mainly the Davies (Reference 8) and Al'pert (Reference 9) books) and collected in this figure. The figure indicates that a significant electron density exists between 80 and 90 km. altitude, that a peak electron density of 1,000 to 10,000 electrons per cubic centimeter exists at 100 to 110 km. altitude, and that the electron density increases to 100,000 to 1,000,000 electrons/cu. cm. at altitudes of 300 to 400 km. Figure 1 is intended to show only a range of typical quiet night electron density distributions with altitude; actual

electron density distributions are often much different in form and peak level than the band shown in Figure 1, due to diurnal effects, geographic latitude, auroral activity, ionospheric winds, etc. A typical quiet night E-region electron density profile is also shown in Figure 1 (the line marked "C"). Note the irregularity of this profile and the several sub-peaks between 90 and 120 km. altitude.

Sporadic E layers frequently occur between altitudes of 90 and 120 km. The sporadic E layer electron density profile is characterized by a very sharp increase in the electron density with a peak electron density that can be many times that of the normal quiet night E-region electron density peak value. A typical sporadic E electron density profile is shown in Figure 1 (the line marked "D"). At night, sporadic E with a peak electron density of 300,000 (or more) electrons/cu. cm. occurs in the equatorial zone approximately 10-30% of the time during the months of October through April, in the middle latitudes it occurs approximately 10-30% of the time during the months of May through September, and in the polar zone it occurs 30-70% of the time throughout the entire year.

Sources: Davies (Ref. 8) and Al'pert (Ref. 9)

Notes: Lines A and B are approximate extent of quiet night low and middle latitude electron density profiles.

Line C is a typical E-region electron density profile.
Line D is a typical sporadic E electron density profile.

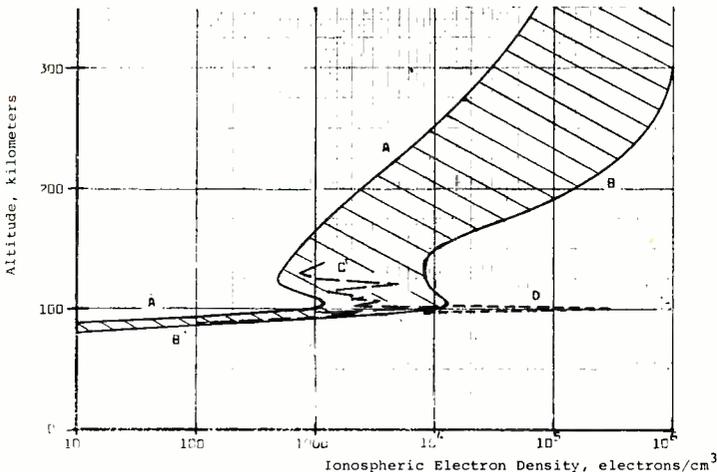


FIGURE 1. Typical Nighttime Ionospheric Electron Density Profiles

The electron density profile in the ionosphere can be measured in several ways. Rocket probes can measure the electron density as a function of altitude. Or, an ionosonde transmits a pulsed radio signal vertically over a wide range of frequencies and measures the time it takes to return each frequency back to Earth. The ionograms thus produced show the reflection heights of the signals versus frequency. The frequency below which the signals are returned from a given ionospheric region is called the critical frequency of that region. The higher the peak electron density in an ionospheric region, the higher the critical frequency of that region will be. For the normal quiet night E region, the critical frequency is usually in the range of 500 to 1,000 kHz, although occasionally the critical frequency can be as low as 250 kHz. Sporadic E critical frequencies are often 5,000 kHz and above. The critical frequency of the F region on a quiet night can be in the range 3,000 kHz to 10,000 kHz. The following sections will provide the equations that relate the critical frequency of an ionospheric region to the peak electron density of that region.

To summarize the most important points of information presented above:

- A significant electron density exists at night at E region altitudes (90 to 120 km.), with a peak electron density of 1,000 to 10,000 electrons per cubic cm. (E region critical frequency of 250 kHz to 1,000 kHz, approximately), or more.
- Above an altitude of about 150 km., the electron density continuously increases with altitude to a peak value of 100,000 to 1,000,000 electrons per cu. cm. at altitudes of 300 to 400 km. (F region), at night.
- Sporadic E conditions frequently exist at night and may have peak electron densities of 100,000 electrons per cu. cm., or more.
- The ionosphere should not be considered to be distinct layers with thin bands of electrons in each layer and with no electrons between layers, but rather as regions with a nearly continuous vertical electron density distribution from one region to the next.
- Experimental data, in the form of ionograms, indicate that the critical frequency for the normal quiet night E region is usually in the range of 500 to 1,000 kHz, in the lower part of the medium wave band; critical frequencies of the night F region can be in the range 3,000 to 10,000 kHz. It is very important to note that ionograms are generated using vertical transmissions.

For a more detailed discussion of the geochemical processes that occur in the ionosphere, and the daily, monthly and yearly variations of electron density that occur in the various ionospheric regions, the reader should consult the Nelson (Ref. 2), Pejza (Ref. 5), Davies (Ref. 8) or Al'pert (Ref. 9) works.

3. REFRACTION OF RADIO WAVES

Refraction is defined as the change in direction of a wave (light, radio, sound, water, etc.) passing from one medium to another, caused by the change in velocity of the wave going from one medium to another. For example, a straight stick appears bent when partly immersed in water and viewed at an angle to the water surface; a ray of light of a given wavelength, in passing from air to glass, is bent due to the different velocities of the wave in air and glass. The refractive index is a measure of the bending of a ray when it passes from one medium to another. Consequently, the refractive index of the ionosphere (a magneto-ionic medium) controls the path of a radio wave as it travels from one point to another; the presence of free electrons in the ionosphere changes the refractive index from the refractive index for the neutral atmosphere.

The classical equation that defines the refractive index of the ionosphere in the presence of a magnetic field is called the Appleton formula; the books by Davies (Ref. 8), Al'pert (Ref. 9), and Budden (Ref. 12) provide excellent derivations of the Appleton formula and describe the various simplifications that can be made to the formula. The full solution of the Appleton requires a digital computer program, because the effects of the Earth's magnetic field and electron collisions in the ionosphere greatly complicate the Appleton formula.

In order to present a greatly simplified description of ionospheric propagation, we shall assume that the effects of the Earth's magnetic field and the electron collision rate in the ionosphere (and therefore ionospheric absorption) are negligible, thereby reducing the full form of the Appleton formula to the equation:

$$\mu^2 = 1 - \frac{80.5 N}{(f_{\text{kHz}})^2} \dots \dots \dots (1)$$

where μ is the refractive index.
 N is the electron density in the ionosphere (electrons/cm³).
 f_{kHz} is the radio wave frequency (kHz).

Figure 2 shows a radio wave leaving the Earth's surface at an elevation angle, Δ , entering the ionosphere at an altitude h_0 (point "o"), being gradually refracted by the ionosphere, until the ray is parallel to the Earth's surface at point "r"; the ray is then gradually refracted back to Earth. From equation (1) above, we can see that at altitudes below the base of the ionosphere (i.e., no free electrons), the refractive index, μ , is 1.0; as the electron density increases, the refractive index decreases. At point "r", the

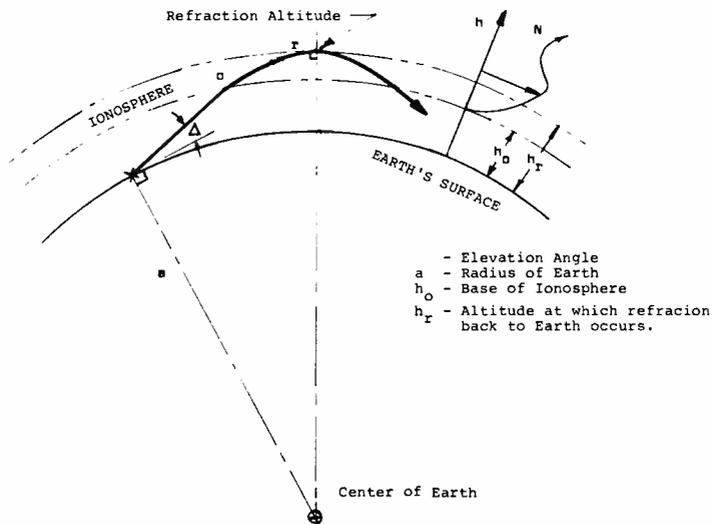


FIGURE 2. Ray Geometry with Oblique Incidence.

electron density has increased to the level necessary to refract the wave back to Earth. The electron density required to refract the wave back to Earth can be estimated by applying Snell's Law to a spherical ionosphere. Simply stated, Snell's Law says that when a wave enters a region with a lower refractive index it is bent from the normal. The equation that relates the refractive index at point "r" on Figure 2 to the initial elevation angle, Δ , (see Davies (Ref. 8) or Al'pert (Ref. 9) for the derivation is:

$$\mu_r = \frac{a \cos \Delta}{a + h_r} \quad \dots \dots \dots (2)$$

where μ_r is the refractive index when the ray is parallel to the Earth's surface (or 90 degrees to the normal to the Earth's surface).
 h_r is the altitude at which the ray is parallel to the Earth's surface. h_r is called the refraction altitude.
 a is the radius of the Earth (approximately 6370 km.).

Setting μ_r and substituting Equation (2) into the simplified Appleton formula (Equation (1)), we can obtain an equation relating the frequency at which refraction back to Earth occurs to the ionospheric electron density, for a given refraction altitude and ray elevation angle:

$$(f_{kHz})_c = \sqrt{\frac{80.5 N_r}{1 - \left(\frac{a \cos \Delta}{a + h_r}\right)^2}} \quad \dots \dots \dots (3)$$

where $(f_{kHz})_c$ is the oblique critical frequency for refraction back to Earth at the altitude h_r .
 N_r is the electron density (electrons/cm³) in the ionosphere at the altitude h_r .
 Δ is the elevation angle of the ray at the Earth's surface.

If the peak electron density of an ionospheric layer is N_{peak} , occurring at an altitude h_{peak} , then the oblique critical frequency of that ionospheric layer can be found by substituting $N_r = N_{peak}$ and $h_r = h_{peak}$ into Equation (3) above. It is evident that the oblique critical frequency of an ionospheric layer is dependent upon the value of the elevation angle of the ray relative to the surface of the Earth. Radio waves at frequencies below the oblique critical frequency of an ionospheric region will therefore be refracted back to Earth by that region, while radio waves at frequencies above the oblique critical frequency of the ionospheric region will continue higher into the ionosphere until the waves encounter an electron density sufficient to refract the wave back to Earth.

4. MEDIUM WAVE REFRACTION ALTITUDES

In this section, we shall use the equations for the critical frequency of an ionospheric region developed in Section 3 above to determine the altitude at which refraction back to Earth occurs, assuming different values for the peak electron density in the ionospheric regions.

Initially, we shall consider the special case of radio waves propagated vertically ($\Delta=90$ degrees). While this case is of little practical use, it is of importance because it is the propagation mode by which ionograms are generated, and, therefore, the vertical critical frequencies of the various ionospheric regions are measured. The variation of vertical critical frequency with ionospheric electron density is shown in Figure 3 (this curve was calculated using Equation (3) and an elevation angle (Δ) of 90 degrees). The peak electron density in an ionospheric region can be easily deduced from an ionogram using Figure 3; for instance, if an ionogram indicated that the critical frequency of the nighttime E region was 500 kHz (a typical value), then Figure 3 indicates that the E region peak electron density would be about 3,100 electrons per cubic centimeter.

Table 1 provides five examples of the variation of the vertical critical frequency with the peak electron density in an ionospheric region, using the ionospheric density curves shown in Figure 1 and based on Equation (3).

TABLE 1-VERTICAL RAY PROPAGATION ($\Delta=90$ Degrees)

Electron Density Profile file (from Figure 1)	Peak value of N (e/cu.cm.)	Critical Freq. (kHz)
Quiet night E-region (100 km)	1,000	286
Quiet night E-region (100 km)	10,000	897
Sporadic E layer (100 km)	350,000	5,308
Typical night F-region (300 km)	100,000	2,838
Typical night F-region (300 km)	1,000,000	8,973

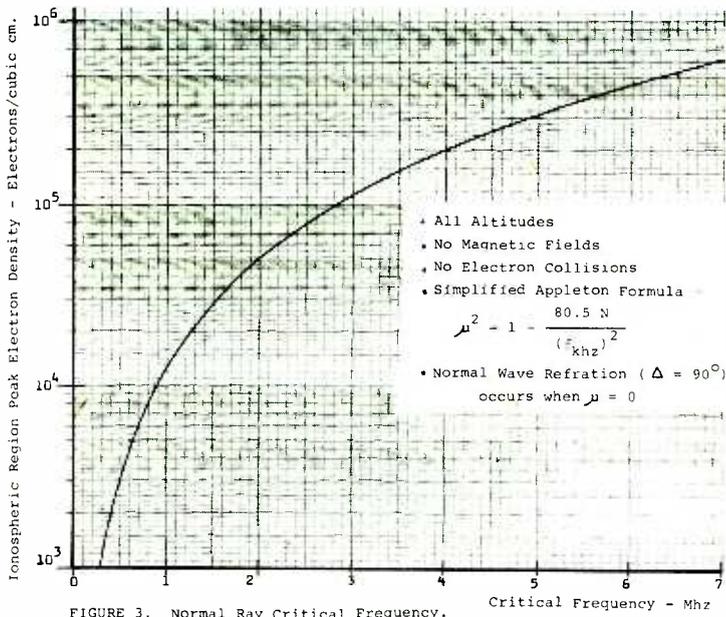


FIGURE 3. Normal Ray Critical Frequency.

The data shown in Table 1 indicates that if the E-region peak electron density is 10,000 electrons per cu. cm. at an altitude of 100 km., then waves propagated vertically at frequencies below 897 kHz will be refracted back to Earth while waves with frequencies above 897 kHz will not be refracted back to Earth at an altitude of 100 km., but will continue upward until the electron density is great enough to refract the wave back to Earth. It is very important to note that radio waves may be refracted back to Earth from altitudes less than the altitude at which a peak electron density occurs. For instance, consider a radio wave with a frequency of 1,200 kHz. Figure 3 indicates that an electron density of about 18,000 electrons per cu. cm. is required to refract this vertical wave back to Earth; Figure 1 indicates that refraction back to Earth from a sporadic E layer or from the F-region (at altitudes ranging from 165 to 275 km. depending upon the electron density profile) is possible.

We shall now consider the general case of oblique ray propagation (i.e., an elevation angle less than 90 degrees), wherein the effects of elevation angle and altitude play a critical role in determination of the oblique critical frequency of an ionospheric region. Figure 4 shows the variation of the oblique ray critical frequency as a function of the elevation angle of the ray relative to the surface of the Earth for several values of ionospheric electron density, for an altitude of 100 km. This figure was generated using Equation (3); similar plots may be calculated for other altitudes.

Table 2 below considers the same five cases shown in Table 1 above, wherein the maximum electron density in an ionospheric region is known and the oblique critical frequency of that region is to be found; an elevation angle of 5 degrees to the Earth's surface was assumed for this case. Note also that the E-region values can be found from Figure 4, while the sporadic E layer and F-region values must be calculated from Equation (3)

TABLE 2-OBLIQUE RAY PROPAGATION (Δ=5 Degrees)

Electron Density Profile (from Figure 1)	Peak value of N (e/cu. cm.)	Critical Freq. (kHz)
Quiet night E-region (100 km)	1,000	1,455
Quiet night E-region (100 km)	10,000	4,601
Sporadic E layer (100 km)	350,000	27,317
Typical night F-region (300 km)	100,000	14,549
Typical night F-region (300 km)	1,000,000	46,010

Comparison of the oblique ray critical frequencies of the E and F-regions of the ionosphere shown in Table 2 with the vertical ray critical frequencies of Table 1 demonstrates the dependence of the oblique critical frequency of an ionospheric region on the elevation angle of the ray relative to the Earth's surface and on the peak electron density of the ionospheric region. For example, if the peak electron density of the E-region is 10,000 electrons per cu. cm. at an altitude of 100 km., then the critical frequency of the E-region for vertically transmitted waves will be 897 kHz, while for waves with a 5 degree elevation angle the oblique critical frequency of the E-region will be 4,601 kHz. Therefore, waves transmitted at frequencies below 4,601 kHz at an elevation angle of 5 degrees will be refracted back to Earth by an E-region with a peak electron density of 10,000 electrons per cu. cm., while waves at frequencies higher than 4,601 kHz will continue upward into the ionosphere until the electron density is great enough to refract the wave back to Earth.

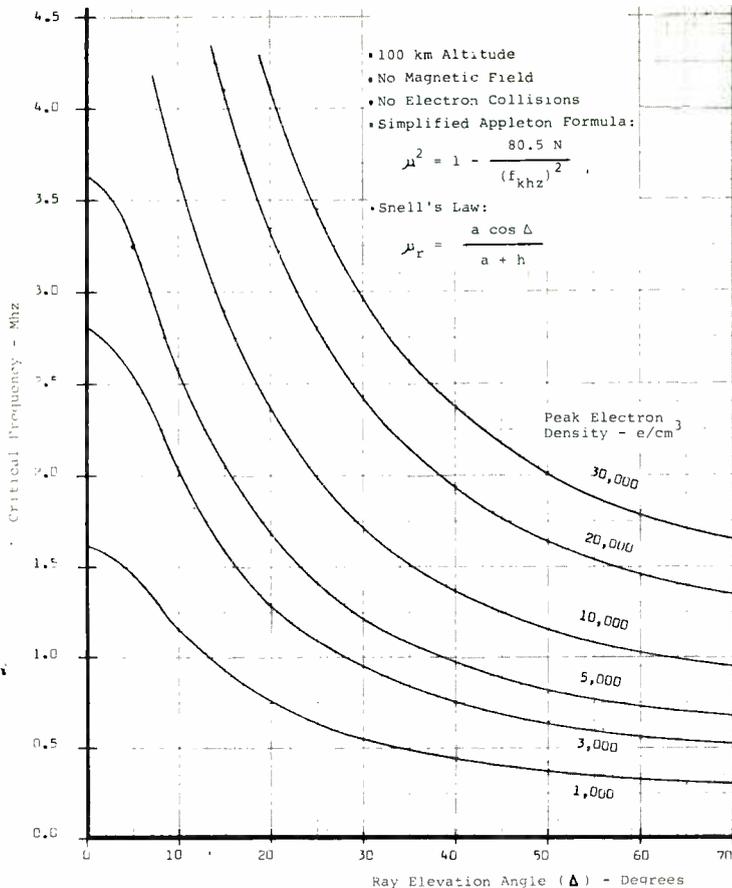


FIGURE 4. Oblique Ray Critical Frequency.

Figure 4 can be used in several other ways, such as:

1) Assume a wave frequency of 1,000 kHz and a minimum quiet night peak electron density of 1,000 electrons/cu. cm. at an altitude of 100 km. (E-region). Figure 4 shows that waves propagated at elevation angles below 13 degrees will be refracted back to Earth by this ionospheric region, while waves at elevation angles greater than 13 degrees will not be refracted back to Earth at this altitude, but will continue upward into the ionosphere until the electron density is great enough to cause refraction back to Earth. Similarly, consider an E-region peak electron density of 10,000 electrons/cu. cm. at an altitude of 100 km.; Figure 4 indicates that a wave of frequency of 1,000 kHz will be refracted back to Earth for elevation angles of 64 degrees or less, but for elevation angles greater than 64 degrees, the wave will continue upward into the ionosphere until the electron density is great enough to refract the wave back to Earth.

2) Assume a wave frequency of 1,000 kHz, and an elevation angle of 30 degrees at the Earth's surface. Figure 4 indicates that an electron density of 3,500 electrons/cu. cm. is required to refract this signal back to Earth. Figure 1 shows typical quiet night E and F-region electron density profiles. For the minimum electron density profile (Line A on Figure 1, with a peak E-region density of about 1,200 electrons/cu. cm.), the altitude at which 3,500 electrons/cu. cm. occurs is about 200 km. For the maximum electron density profile (line B on Figure 1 with a peak E-region electron density of 13,000 electrons/cu. cm.), the altitude at which refraction back to Earth occurs is about 95 km.

The examples provided above illustrate the dependency of medium wave refraction altitudes on the elevation angle of the ray relative to the Earth and on the peak electron density in the E-region of the ionosphere. The reader can, if he wishes work out any number of cases using different electron densities, elevation angles or frequencies to determine refraction altitudes with the aid of Figures 1, 3 and 4.

It is important to note that this discussion and the data presented herein are based on the simplified Appleton equation (Equation(1)), which assumes that the effects of the Earth's magnetic field and ionospheric absorption are negligible. In reality, the Earth's magnetic field plays an important role in

medium wave propagation and the assumption that its effects are negligible is not rigorous. Therefore, the data presented in this section should be considered approximate, but it does relatively easily illustrate the basic concepts that underlie medium frequency ionospheric propagation.

5. CONCLUSIONS

Certain general conclusions can be made at this time concerning nighttime medium wave ionospheric propagation based on the discussion and data presented above. These conclusions include:

1) The critical frequency of the night E-region (approximately 90 to 120 km. altitude), measured with a vertical transmission, is usually in the range of 500 to 1,000 kHz (corresponding to peak E-region electron densities of about 3,000 to 13,000 electrons per cu. cm., respectively), although it can be as low as 250 kHz (about 1,000 electrons per cu. cm.); nighttime sporadic E layers occur often, and can have critical frequencies of 5,000 kHz or more. The F-region (approximately 150 km. and above, with a peak value between 250 and 400 km.) usually has nighttime critical frequencies of 3,000 to 10,000 kHz (corresponding to peak F-region electron densities of 100,000 to 1,000,000 electrons per cubic cm., respectively), depending upon geographic latitude, season, and time of day.

2) Long distance, multi-hop medium wave propagation at night in the low and middle latitudes usually occurs over paths with low elevation angles and E-region refraction altitudes (i.e., 90 to 120 km.), because the oblique critical frequency of the E-region is usually greater than 1,600 kHz for paths with elevation angles less than 5 degrees. The exceptions to this rule might be high frequency (e.g., greater than 1,200 kHz), two or three hop paths with a low E-region peak electron density.

3) Short distance, single hop medium wave propagation at night may occur by either E-region or F-region refraction, depending upon the wave frequency, the elevation angle of the ray, and the E-region peak electron density. A wave at a high medium frequency and a high elevation angle will be more likely to penetrate the E-region and be refracted by the F-region than will a low frequency of low elevation angle wave.

4) When a medium frequency wave does penetrate the E-region and is refracted by the F-region of the ionosphere, the altitude at which refraction back to Earth occurs will be below the altitude at which the F-region peak electron density occurs, because the wave frequency is much less than the oblique critical frequency of the F-region.

6. REFERENCES

- 1) Nelson, G.P., "Medium Wave Propagation", How to Listen to the World, World Publications, 1970.
- 2) Nelson, G.P., "MW Signal Paths, Parts I-IV", DX News, National Radio Club, issues of 3/8/69, 2/28/70, 3/21/70, 4/25/70.
- 3) Nelson, G.P., "Geographical Patterns in CBC DX Reception during Periods of High Auroral Activity", DX News, National Radio Club, issue of 8/28/71.
- 4) Nelson, G.P., "Skyline Blockage of MW Signals", DX News, National Radio Club, issue of 2/28/73.
- 5) Pejza, Fr. J., "A Beginner's to the Ionosphere", DX Monitor, International Radio Club of America, issues of 3/25/72 and 4/8/72.
- 6) Dinning, F., "Factors Affecting Propagation of the Medium Frequency Broadcast Band", DX News, National Radio Club, issue of 3/21/77 (originally published in Medium Wave News, England).
- 7) Schatz, R.F., "Medium Wave Ionospheric Propagation", DX News, National Radio Club, issue of 6/12/78.
- 8) Davies, K., Ionospheric Radio Propagation, National Bureau of Standards, NBS Monograph 80, 1965.
- 9) Alpert, V.L., Radio Wave Propagation and the Ionosphere; Volume I, The Ionosphere, Consultant's Bureau, New York-London.
- 10) Barghausen, A.F., Finney, J.W., Fisher, R.M., "Radio Broadcasting on Medium Frequencies", National Bureau of Standards, NBS Report 9196, April, 1966
- 11) Grudinskaya, G.P., "Propagation of Radio Waves", Air Force Systems Command, Foreign Technology Division, Report No. FTD-MT-24-382-68, 1968
- 12) Budden, K.G., Radio Waves in the Ionosphere, Cambridge Univ. Press, 1961.



331-D Kaman Street
Honolulu, Hawaii 96813
Telephone 536-3456

REVERSE PATHS - U.S. & CANADIAN STATIONS HEARD OUTSIDE NORTH AMERICA 9/77 to 6/78

Reception by Mark Connelly from Sligo, Westport, and Cork, Ireland, 9/1/77 through 9/10/78 on a Realistic TRF:

WNBC-660 0536 9/8; WMAQ-670 0517 9/8; WRKO-680 0510-0516 9/8; CBNW-740 0311 9/7; WJR-760 0504 9/8; WABC-770 0309 9/6; CKLW-800 0459 9/8; WHAS-840 0307 9/6; WHDH-850 0305 9/6, 0500 9/9; WWL-870 0508 9/9; WCBSS-880 0413 9/1, 0454 9/8; WLS-890 0453 9/8; CJCH-920 0410 9/1, 0451 9/8; CJON-930 2249 9/10; CBM-940 0448 9/8; CHER-950 0447 9/8; CHNS-960 0517 9/9; WINS-1010 0301 9/7, 0440 9/8; KDKA-1020 0520 9/9; WBZ-1030 0520 9/8; CHUM-1050 0440 9/9; CBA-1070 0303 9/7; WTIC-1080 0523 9/9; WBAL-1090 0443 9/9, 0525 9/9; WWWE-1100 0436 9/8; 0526 9/9; WBT-1110 0435 9/8; WNEW-1130 0335 9/6; WWVA-1170 0551 9/8; WHAM-1180 0431 9/8; WOWO-1190 1000 9/9; WOAI-1200 0555 9/8; WCAU-1210 0424 9/8; CJCB-1270 0459 9/8; KCRG-1320 0455 9/9; WTOP-1500 0415 9/8; WMEX-1510 0540 9/8; WKBW-1520 0410 9/8; WPTR-1540 0543 9/8; WQXR-1560 0405 9/1; CKLM-1570 0544 9/6.

Reception by Daisuke Kawaguchi, Hachinohe-shi, Japan between 8/29/78 and 9/17/78:
KNBR-680 0900 9/9 good; CKLG-730 0930 9/15 good; KFRE-940 0900 fair; CFAC-960 poor 0900;
CKNW-980 0900 fair; KTWO-1030 0930 9/8 poor; KNX-1070 good 0900; XEPRS-1090 0900; KPAK-1100 0930 good; CKWX-1130 poor, regular; KRAX-1140 good often; KSL-1160 very strong 0900;
KFX 1190 1000 poor; CKDA-1220 0900 good; CHQM-1320 0900 poor; CFUN-1410 poor-fair 0900;
KXII-1520 1000 fair; KFBK-1530 good; KXEL-1540 0900 poor; KGAR-1550 good daily 0900;
KKHI-1550 0900 good; KUAT-1550 1101 9/15 fair.

Reception by John Allchin from Whangaparaoa, New Zealand 9/9-10/78 with an Eddystone 680X and a 300' longwire:

KFI-640 0807 poor; KMPC-710 0956 weak; KABC-790 0615; KOA-850 0610; CJVI-900 1215 fair;
KRIO-910 0525 on top; KNEW-910 0655; KFRE-940 1300; XEGM-950 0534; KKIS-990 0717 good;
KTNQ-1020 1000; WBZ-1030 0530 very good; KTWO-1030 very good 0850; KNX-1070 xint 1205;
KPAK-1110 0600; KPNW-1120 0605 fair; KVOO-1170 0630 xint; KEX-1190 0608 xint; KGA-1510 0540 good; KFBK-1530 xint; KDAY-1580 xint 0500; KCRG-1600 1135 fair.

Reception by John Allchin from Ohope, New Zealand 9/23-24/78 on a Kenwood QR-666 with a 300 foot longwire:

KTSA-550 good; WIBW-580 0600 good; KMJ-580 0655 weak; KFRC-610 1018 fair; CKLG-730 1220;
KOB-770 0518 xint; WBAF-820 0620 fair; WHAS-840 evenings; KRNV-880 1025; CFNC-1060 1311;
KRLD-1080 0850 good; XEPRS-1090 & KING-1090 0900; KPAK-1100 1214 very good; KSL-1160 1230;
CFRN-1260 1235 fair; KRIA-1110 0910; KTOM-1380 1330 very good; KCEY-1390 1143 fair;
KALI-1430 0848 very good; KPMC-1560 1340; KLIV-1590 1126.

Reception by John Allchin at Te Aroa, New Zealand in March 1978 using a Kenwood QR-666 & Eddystone 680X with a 1350' Beverage running NNE:

CBK-540 fair 0705; KLAC-570 poor u/2YA 1245; KMJ-580 fair; KOGO-600 0920 very good; CJOR-600 0950; KFI-640 well on peaks; KBOI-670 fair-good 1115; KNBR-680 0806 xint; WLW-700 good 0700; KMPC-710 1317; KIRO-710 1505; CKLG-730 xint 12C1; KXL-750 1420 fair; WBBM-780 fair 0747; KGO-810 1520 fair; WWL-870 good 0749; CJVI-900 very good 1522; XEGM-950 pest; KOOL-960 good 1055; KABL-960 fair 1325; KFWB-980 very weak 1243; CKNW-980 very good 1243; KOMO-1000 very good 1152; CBR-1010 poor 1425; KTNQ-1020 1000; KPAV-1060 1206; CKWX-1130 1451; KCBQ-1170 0724 u/KVOO; VOA-1180 xint 1120; WOAI-1200 very good 1120; WCAU-1210 fair 0722; KGLL-1260 0141 o/CFRN; KFJZ-1270 good 0810; WHBF-1270 o/u KFJZ 0805; KJOY-1280 fair 1235; KTLK-1280 1239; KDA-1310 fair 1416; KYVZ-1320 weak 0725; KUDE-1320 good 0731; KSRQ-1350 1438; KRYS-1360 fair 0805; KGB-1360 fair 0710; WSAI-1360 fair 0810; KEEN-1370 good 1105; KCEY-1390 xint 0800; CFUN-1410 AN; KUHL-1440 dominant 0845; KSO-1460 0631; KOMA-1490 0634; KPOL-1540 very good 1455; KGAR-1550 0730; KBBQ-1590 all evening; KUBA-1600 1528 good; KWOW-1600 fair 1510; KATZ-1600 fair 1015.

Reception by Bruce Portzer from northern Oahu, Hawaii on a Pinto car radio around 0500 4/22/78:

KEX-1190 good; KFBK-1530; KXEL-1540; KKHI-1550; KDAY-1580; KBBQ-1590 xint.

TRANS ATLANTIC RECEPTION FROM IRELAND

Mark Connelly

Mark made the following observations while on vacation in Ireland in September 1977: "On a few mornings I woke up early around dawn. The band seems wide open to North America 0400-0530 GMT. At 0400, the big German pests start fading as sunrise progresses across Europe. By 0430 North Americans were frequently louder than most adjacent Europeans. Only Spain, Portugal, and western France, still in darkness, and the local British Isles stations provided any serious interference. Many Europeans at that time just run an open carrier, pips, or interval signal, so slop is not as bad as if big band music was being played. North Americans were so numerous and dominant that the TRF sounded like it was on Cape Cod with some attenuation and a few extra hets. Dawn was well underway and fading of North Americans became apparent by 0530. The number of clear North Americans coming out of the TRF at European dawn compared very favorably with the number of European and African heard from a coastal North American location during good conditions at North American sunset. The Sligo area seemed to be the best for TA DX."

Mark added that he made a recording of some of the North American stations heard in Ireland and is making a copy available to DXers who send a C-90 cassette to him at 52 Amsden St., Arlington, Massachusetts 02174. He also compiled many pages of notes on European stations during his stay and would be willing to provide whatever information he can to whoever writes.

POLSKIE RADIO

Al Niepodległości 77-63
00-950 Warszawa. P.O. Box 48

The Nine KiloHertz Frequency Plan

A few years ago, the nations of Europe, Africa, Asia, and Oceania made an agreement establishing a new frequency assignment scheme for Longwave and Mediumwave Broadcasting stations in their part of the world. This plan is scheduled to go into effect at 0001 GMT on November 23, 1978.

Stations in the Americas will remain on their present 10 kHz spacing for the foreseeable future. But broadcasting stations in the rest of the world will move to new frequencies, spaced every 9 kHz.

This section of the IRCA Foreign Log focuses on the new frequency assignment plan and its effects on DXing in North America. Included are articles on the effects on TA and TP DXing, with hints on what to listen for, and listings of all the frequency assignments known to the IRCA Foreign Log editors as of press time. It should be emphasized that many of the frequency assignments which have been made might not be implemented until several years from now. In addition, a few stations might not make their assigned move until some time after November. Just the same, a lot of new DX targets will be available, enough to fascinate broadcast band DXers for many years to come.

ITU FREQUENCY ALLOCATIONS & THEIR IMPACT ON TA DX'ING

by Mark Connelly

We shall soon be embarking upon a new era in international medium wave DXing. This should occur in November, 1978, when the new frequency allocation scheme takes effect. As a trans-Atlantic DXer of some experience, I feel that I may have a few ideas to assist the TA hunter next winter.

The first step in judging what will be heard is to analyze existing reception patterns governing the ease of hearing different areas of Europe and Africa along the "north-east corridor" from Virginia to Maritime Canada. The two major criteria to specify reception paths are the bearing (degrees east of north) and the distance. From the standpoint of ease of reception, empirical data culled from years of listening points to the fact that stations whose bearing is farthest south (minimizing the effects of auroral disruptions) and those whose distance is the shortest are those most consistently heard.

Conditions have been analysed in terms of the probability of hearing TA's; receiving conditions have been broken down into four categories: minimal, marginal, good (normal winter), and excellent. These are defined as follows:

Minimal Night: The worst auroral conditions. Domestic and Latin American stations dominate. Only TA's audible are weak carriers from Senegal and Guinea.
Marginal night (normal spring): Short/medium skip domestics prevail. TA's in Africa from Mauritania southward. Algeria, Morocco, Portugal occasionally in. Spotty (fluttery) reception of high-powered Germans and European dawn on the high end of the band.
Good Night (normal winter): Local sunset - wide open to Spain, Portugal, Morocco, Algeria, Andorra, France, Monaco, Italy, Albania, and British Isles. Low band stations are favored over high-banders. European sunrise - most of those countries audible at local sunset plus other countries on a more northerly bearing such as Holland, Luxembourg, Germany, Switzerland, Austria, and Czechoslovakia will show. This time the higher frequency stations "win out".

Excellent night: Band wide open to Europe from an hour before local sunset to an hour after western European sunrise. Southern Scandinavia (Stavanger, Norway, and Horby, Sweden) and eastern Europe (Poland, Romania, Bulgaria) audible. High-powered middle east stations may show. The possibility of logging numerous low-powered British locals becomes viable for DXers in New England and Atlantic Canada. Africans tend to be pushed into the background by the stronger and more numerous Europeans.

Nights Per Month Analysis

<u>Conditions</u>	<u>Winter</u>	<u>Spring</u>	<u>Summer</u>	<u>Autumn</u>	
Minimal	9	12	13	7	A month is defined as 30 days
Marginal	9	12	12	8	
Good	10	5	5	11	
Excellent	2	1	0	4	

An insight into which countries will be most easily heard is given in the list that follows. I have broken up the European, Asian, and African region into reception zones specified by a number from 1 (most southerly bearings) to 4 (most northerly bearings) and by a letter from A (shortest distance) to E (greatest distance). The reception-probability factor reflects the ease of hearing a given country compared to others if power and frequency are the same.

Reception Probability Factor	Zone	Countries
8.0	2A	Azores, Portugal, Spain, Madeira Islands (no land areas)
7.5	1A	
	2B	Morocco, Algeria, Tunisia, NW Libya, S. Italy, S. France, Albania, Monaco, Andorra
6.0	3A	British Isles
	1B	Senegal, Guinea, Sierra Leone, Guinea-Bissau, Gambia, Mali, Mauritania
5.0	3B	N. France, N. Italy, Yugoslavia, Hungary, Czechoslovakia, Germany, Belgium, Holland, Luxembourg, Austria, Switzerland, Poland
3.0	1C	Liberia, Upper Volta, Ivory Coast, Ghana, Togo, Benin, Niger, Nigeria, W. Chad, Cameroon
2.5	2C	S. Libya, NW Egypt, Israel
	3C	Syria, Lebanon, Turkey, Greece, Bulgaria, Romania, Ukraine SSR, Armenian SSR
2.0	1D	Angola, Gabon, Zaire
1.0	4A	Iceland, Faeroe Islands
0.5	2/3D	Jordan, Iraq, Saudi Arabia, Iran
	4B	Norway, Sweden, Denmark, Finland, Russia, Baltic USSR
0.4	1E	SW Africa (Namibia), S. Africa, Botswana, Mozambique, Zambia, Rhodesia, Kenya, Tanzania, Malawi
0.2	4C	easternmost European USSR/SW Siberia
	4D	W. China (Sinkiang), Mongolia, N. India, NW Siberia, Afghanistan

In terms of power a 100 kw Portugese station is on equal terms with a cochannel 500 kw German station.

Now, on to the predictions:

From	Most Likely Heard
531	Algeria will dominate most nights. Faeroe Islands possible during excellent cx.
340	Morocco possibly o/u CET at local sunset on coast, not likely inland.
349	Algeria o/possible German; USSR and Saudi Arabia are remote possibilities.
353	Likely to be a nearly dead channel. Libya, Egypt, and Switzerland possible contenders during excellent conditions.
367	Ireland o/German until Morocco comes on. Morocco would probably then override Ireland due to low-latitude path.
576	Same battle as present 575 mess: W. Germany/Algeria c/E. Germany and Bulgaria.
385	3-way dogfight w/Spain o/Turisia and Austria.
594	West Germany should dominate.
603	Weak three-way between France, Cyprus, and Egypt.
612	Morocco. Ireland will be hrd u/them after it comes on.
621	Canary Islands o/u Belgium.
630	Domestics.
639	Spain o/Czechoslovakia.
648	HBC on good nights, Gambia on African nights. Albania & Morocco apparently won't be on for a while.
657	East Germany after 0400 GMT, weak Italy earlier.
666	Portugal o/West Germany.
675	France o/Holland. Ireland u/France after they hit the air. LA QRM anticipated.
684	Spain o/Yugoslavia.
693	England o/East Germany during European openings. Zaire possible during African cx.
702	Morocco o/Andorra per present 701 status. Monaco doubtful because of directional antenna.
711	Morocco o/u France.
720	Portugal will be heard at coastal locations at local sunset o/possible Tunisia/Canary Islands before WGN/CMGN fade-in.
729	With Ireland & Morocco not slated to be on for a while, we may find Iberian stations now on 728 showing occasionally.
738	Spain will dominate clearly, as it now does on 737, until the new Algerian comes on to give it some competition. Israel may also be possible under ideal conditions.
747	Holland dominant during conditcns favoring Northern Europe. Upper Volta, if it moves here, should put in a fair showing during African cx; maybe this will become an African version of the mess that 640 is in the Caribbean.
756	Portugal o/u West Germany, both o/Romania. 250 kw Nigerian remotely possible during Auroral conditions.
765	Senegal o/Ireland (after they come on), Switzerland, Turkey. Saudi Arabia unlikely to dominate.
774	Spain o/u Morocco, both o/Egypt.
783	Portugal o/East Germany. Syria unlikely.
792	France o/Greece, neither strong u/average conditions.
801	Morocco o/u West Germany & Spain. (if the 800 outlet moves here). Zaire should be possible on coastal Beverages at local sunset during African conditions before PJB & 800 domestics dump slop on the channel. Same for Zambia when it comes on.
810	Domestics. England possible at sunset from Atlantic Canada.
819	Morocco o/u Andorra, both o/Poland & Egypt. Zambia possible during African cx.
828	Based upon present 827 status: Morocco o/Libya o/Spain o/Bulgaria, if they all move up and no new stations are added.
837	France o/Lebanon.
846	Italy should dominate.
855	Spain o/Romania/West Germany during European conditions. Ivory Coast a good African opening possibility, after it comes on.
864	Morocco o/u France.
873	Spain o/West Germany o/Moldavian SSR, assuming Spain moves here.
882	England o/East Germany/Yugoslavia during European conditions. Numerous Africans possible, depending on when they come on.
891	Algeria/Ireland (after it comes on) o/Austria.

900 Domestics. Italy possible at sunset from Cape Cod and Atlantic Canada during top-notch conditions.

909 4-way battle among England, West Germany, Algeria, & Morocco. Conditions and operating schedules will decide dominance.

918 Spain & Yugoslavia.

927 Belgium will usually dominate. Guinea looks like a reasonable African opening possibility.

936 Morocco well o/Ukraine SSR. Benin, West Germany, & Mozambique are unlikely.

945 France should be the boss here, LA QRM permitting. Nigeria possible during African conditions. Saudi Arabia a longshot for the phased-Beverage crowd.

954 Spain/Czechoslovakia atop, Qatar sneaking in under prime conditions.

963 Tunisia should prevail.

972 West Germany o/Morocco. Neither strong during average conditions.

981 Algeria should be loud here. Last year during my trip to Ireland, they had a monster signal on 980.

990 Domestics.

999 Malta/Mauritania possible contenders here. Germans possible on a good night in Atlantic Canada and Cape Cod. Slop from Latins and domestics on 1000 will be a problem.

1008 Holland o/Morocco during European conditions. Upper Volta possible during deep African conditions.

1017 West Germany o/u Turkey.

1026 Spain/Austria yielding audio during better openings.

1035 Portugal o/Egypt and possibly Italy. Iraq, if here, will trail behind. 4VEH will be a problem here.

1044 Morocco o/East Germany.

1053 England o/u Morocco, both o/Romania & possibly Libya.

1062 Portugal o/Guinea (Guinea-Bissau?) and Denmark.

1071 France may occasionally show SBA QRM.

1080 Domestics.

1089 England o/Albania.

1098 Spain/Canary Islands, if they move here, should dominate. Otherwise, Czechoslovakia should dominate o/other stations.

1107 Spain/Egypt o/West Germany and Lithuanian SSR.

1116 Morocco/Italy.

1125 Libya, when it comes on, o/Belgium, Bulgaria, & Spaniards (if here). WNEW-1130 slop & Latin QRM will cause problems.

1134 Yugoslavia/Spain dominant. Kuwait a distant possibility.

1143 Ireland (if on)/Algeria possible, neither likely to be strong. AFN may occasionally be noted. Ireland, if not on, will give us a nearly dead channel.

1152 Romania will be in during good to excellent conditions.

1161 France should dominate.

1170 USSR/Algeria o/u WVLC at local sunset in Newfoundland on Beverage antenna. Otherwise, no TA's here.

1179 Sweden o/u MALTA may show during good-excellent openings. Of course we'll get grief from WHAM.

1188 Belgium/Hungary will make occasional appearances here (along w/TGT pest).

1197 VOA Munich should be dominant here during above-average conditions. Morocco not listed.

1206 France o/Morocco (possibly a move from 1196) w/Cayman-1205 het.

1215 England/Albania o/Malta (when it comes on).

1224 Spain o/u Bulgaria. Senegal also possible.

1233 Morocco o/Czechoslovakia.

1242 France should clearly dominate.

1251 Libya well o/Hungary.

1260 Domestics.

1269 West Germany o/Yugoslavia.

1278 France should dominate, per present 1277 cx, weak for its power.

1287 Czechoslovakia dominant. Portugal not listed but may move here.

1296 England and possibly Gibraltar. Sudan may also be bagged here.

1305 Algeria and Senegal may occasionally be heard here. Less frequently heard will be the Polish station.

1314 Spain weak during average cx. Norway will dominate during good to excellent periods. United Arab Emirates a longshot.

1323 East Germany atop Algeria.

1332 Italy alone on the channel.

1341 BBC Northern Ireland o/Hungary during European cx. Canary Islands/Guinea during low-latitude nights.

1350 France/Mauritania possible from coastal locations before sunset where domestics are not a problem.

1359 Megawatter listed for Spain should be a pest when it comes on.

1368 Senegal possible during African cx. Morocco (probably weak) during normal cx. Poland may show during excellent cx. Portugal may also show at times.

1377 France o/Morocco.

1386 Liechtenstein will be dominant here after it comes on, a new country for all. Until then, occasionally Spain o/USSR/Guinea.

1395 Albania, Holland, & Spain. 3-way here with conditions and schedules determining dominance.

1404 Guinea will usually dominate; France will show during cx favoring high latitudes.

1413 Spain o/u Yugoslavia.

1422 West Germany o/Algeria.

1431 Portugal o/East Germany on average nights. Denmark unlikely to dominate. Mali & Afars-Issas loom as good African possibilities.

1440 Luxembourg may show at local sunset from coastal locations not near 1440 domestics. Not likely after sunset.

1449 Italy should be heard during good conditions.

1458 Albania o/England should be normal situation. Mali, after it comes on, should be likely on African dominated nights.

1467 Monaco should be its usual loud self w/negligible competition.

- 1476 Austria generally o/Spain. Guinea/Benin possible during auroral conditions.
- 1485 British locals possible on best TA nights.
- 1494 France possible at weak level. USSR possible on excellent nights. Ivory Coast should be in fairly often if it moves here.
- 1503 Poland o/u Spain.
- 1512 Belgium well o/Yugoslavia & Saudi Arabia.
- 1521 Czechoslovakia o/Tunisia. Saudi Arabia & China possible during unusual conditions.
- 1530 Vatican possible around sunset from Cape Cod and Atlantic Canada.
- 1539 West Germany may occasionally make it through the usually invincible 1540 slop.
- 1548 Vinnitsa, Ukraine, and British IBA locals.
- 1557 France & Malta will likely be the contenders. India an enticing possibility for pre-sunset Beverage reception.
- 1566 Tunisia o/Switzerland.
- 1575 East Germany o/Italy.
- 1584 British & other locals may show u/best possible conditions.
- 1593 Langenberg, West Germany, should dominate w/usual excellent signal.
- 1602 Unlikely to yield any receptions w/1 kw the maximum power and the likes of WWRL & WUNR to contend with.

The list above should clearly demonstrate that some countries will become easier for us to hear, such as Malta and Liechtenstein. Others, chiefly those presently on channels ending in 9 who will be moving to channels ending in 0, will be more difficult to hear. Vatican, Luxembourg, and Mauritania fall into this category.
 (Editor's note: this article originally appeared in the 7/1/78 DX Monitor and 7/17/78 DX News. With Mark's concurrence, several changes have been made in the list of predictions. Most of the changes are in the form of indicating the assignments that probably won't be implemented until some time after 11/23/78, such as Ireland-612.)

THE 9 KHZ FREQUENCY PLAN AND ITS IMPACT ON TP DX'ING

by Bruce Portzer

Listening for Trans-Pacific stations will never be the same after November 23. Up until now, Far East and Pacific stations have operated mostly on the same frequencies as North American stations (exceptions have been North Koreans, Russians, and a handful of Chinese outlets, plus some low power stations). But after the plan is implemented, many stations will suddenly become much easier to hear and a few countries will move from the impossible to the possible category. Not only will west coast DXers have many more target stations to shoot for, but it may be possible for DXers in the midwest and the eastern U.S. to hear Australia and New Zealand, two countries which have been extremely rare in that part of the continent. The following paragraphs summarize some of the predictions of what the impact of the nine kilohertz frequency spacing will be on reception of major Trans-Pacific countries.

AUSTRALIA. Most Australian stations will move to the 9 kHz channel nearest their present frequency. While the impact of this change will be minimal for Australian listeners, many American listeners (would you believe a few American DXers?) will find Australia an easier country to hear. The reader is urged to go through the list which follows this article and note which of the 10 and 50 kw's will suffer the least amount of adjacent channel interference in his (or her) area. Prime candidates include: 4QR-576, 3WV-594, 2BY-657, 2NR-702, 2BF-738, 4OS-747, 3IQ-774, 4RX-837, 2CY-846, 5AN-891, 2NC-1233, 2NA-1512, & 4QD-1548. Australians should be audible everywhere in North America, except possibly the Northeastern U.S. and eastern Canada, depending on conditions and adjacent channel interference.

BANGLADESH. Dacca-693 would seemingly have an outside chance after Japan signs off, if indeed they are 1000 kw as listed. Reception would probably be limited to Beverage antenna installations near the coast.

CHINA. Information on mainland Chinese stations has always left something to be desired and the new frequency plan is no exception to this rule. Frequency assignments have been made for China, and since China generally has adhered to the current 10 kHz spacing plan, she'll probably go along with the new plan. Whether China moves on schedule is another matter. Also up in the air is the fate of several splits such as the outlets on 615, 835, etc. Will they stay where they are, move to a "legitimate" channel, or move to some other oddball frequency? We'll just have to wait until after November 23, I guess....

INDIA. This country will move from the "virtually impossible in North America" to the "very rare" category. Calcutta-594 with 1000 kw looks possible on paper after Japan's off but other stations on the channel might still block it out. The outlet on 1130 has been heard in Hawaii, so when it moves to 1134 w/1000 kw it may be possible on the mainland, depending on the strength and schedules of other stations on 1134. Some of the 100 kw stations may also be feasible, but reception of any Indian station will probably require a coastal Beverage antenna. Signals coming from India and other South Asian countries must travel over a lot of land, much more than those from China and Japan, so don't expect a whole lot of signal strength, even for a 1000 kw station.

INDONESIA. This is perhaps the one Trans-Pacific country which will be harder to hear after the plan is implemented. Indonesia jumped the gun by a couple of years, so they've been transmitting on what have been essentially clear channels. After November 23, they will have to contend with other stations on their channels and, judging from the weak audio typically encountered during Indonesian receptions, we'll have a rougher time hearing, let alone identifying, Indonesian stations. If you haven't logged Indonesia before the end of November --- good luck....

JAPAN. Already an easy to hear country on the west coast, even more high powered stations will be there for the plucking. Of special interest should be the 50 and 100 kw commercial stations at the upper end of the dial (954, 1134, 1242, 1296, etc.). Japan should be easier to hear in the mountain and plains states, conditions permitting.

KOREA, NORTH. Frequency assignments have been made for this country and they have been

duly noted on the list which follows this article. Whether or not North Korea follows the plan remains to be seen, especially since most North Korean stations currently operate on split frequency. An additional point is that, according to Bill Harms, the only radios available to the general public in North Korea are not tunable -- they are sold/supplied already tuned to the "official" station for a particular area. Somehow I can't quite picture them retuning all the receivers in the country, so I would have to say that the North Koreans will probably stay where they are. There may be a few exceptions; some stations may be forced to move due to heterodyne interference from other stations, for example. We will just have to wait and see what happens.

KOREA, SOUTH. Quite a bit of "shuffling" is going to occur here, with some stations moving several hundred kilohertz. The end result should be more stations audible on this side of the Pacific.

MALAYSIA. Sabah-1476 will still be a good target. Information on this country is a bit incomplete, but other stations may also be heard after the change.

NEPAL. Katmandu on 792 will be a thousand times easier to hear than on 790, but a thousand times zero is still zero.....

NEW ZEALAND. DXers should follow the same strategy that they use on Australia. The main difference is that there will be fewer stations to choose from. 2YC-657 should be more widely heard than on 660; the limiting factor likely being adjacent channel splatter.

PAPUA NEW GUINEA. Some of the outlets listed will be possible to hear depending on how strong the CO-channel Aussies/Zedders will be. Most of the stations currently in operation use low power (usually 2 kw). Some higher powered outlets have been allocated, with up to 100 kw, but they probably won't hit the air for a while.

PACIFIC ISLANDS. Information from this part of the world is rather sketchy. WXLE on Canton Island has already moved to 1386 and Tahiti is slated to move from 740 to 738. Beyond that, nothing is known for sure, but a good guess would be that most stations will move to the 9 kHz channel nearest to their present frequency.

PHILIPPINES. This country, more than any other, should be much easier to hear after the plan is implemented. VOA on 1143 should be a relatively easy target, 1130 & 1140 sideband interference permitting. There are several other stations scheduled to move to relatively open frequencies; DWRP-145B, for example. The smaller Philippine stations, some of which are now operating on "oddball" frequencies, such as DXRS-1196, may or may not change, but since they're rarely heard in North America, it will make little difference.

SINGAPORE. The outlet scheduled to move to 792 with 100 kw (750 kw protected) looks feasible, on paper at least. A low latitude path, mostly over water, will definitely help.

THAILAND. VOA on 1575 will be easier than on 1580. Several other stations in the 50-500 kw range are noted on the list following this article and are worth keeping in mind.

USSR. I'm not aware of all the frequency changes planned for the Soviet Far East, but a good guess would be that the stations will move to the nearest "new" channel. The Russian stations shouldn't be too hard to pick out, what with the Kremlin chimes and all.

Happy hunting!

ASIA AND PACIFIC FREQUENCY PLAN

The following list is believed to be the most complete listing available at this time (September 1978) for the new 9 kHz frequency assignments in the Far East, South Asia, and the South Pacific. Even so, it is somewhat incomplete and probably contains incorrect information in places. The user should therefore make every effort to confirm the identity of each station heard on the new channels.

For each frequency, stations are arranged alphabetically by country. Station call letters, network abbreviation, or country are followed by the old frequency and (in parentheses) kilowatts output. Where there are two or more stations operating in parallel, two powers are usually shown, the first is the total power of all the stations, and the second is the power output of the most powerful station. Stations under 1 kw are generally not shown, except for stations such as WXLE-1386 which have previously been heard in North America. A question mark indicates the listing is based on incomplete or conflicting information, or is a guess on the part of the list's compiler.

For additional information on a given station consult the "Pacific Loggings" section of this book or the World Radio-TV Handbook

- 155 Khabarovsk-155(1000)
- 191 Birobidzhan- ? (1000)
- 209 Mongolia-209
- 236 Magadan, USSR-236(1000)
- 245 Vladivostok,USSR-245(1000)
- 263 Irkutsk,USSR-236(1000)
- 531 2KM-530(2), 3UL-530(2), 4KZ-530(2), 6DL-530(10), AIR-530(100), JOQG-530(10)
- 540 4QL-540(10), 7SD-540(2), China, AIR-540(10), RRI-540(10), NHK-540(14,5), KBS(13,), DZWT-540(10), DYRB-540(5)
- 549 2CR-550(50), AIR-560(10), JOAP-550(10), AFKN-550(5), DXBI-560(5), Sarawak-549(20), RSPSR-548(150), Thailand- ? (?)
- 558 4AM-560(2), 6WA-560(50), 7BU-560(1), Piji-560(10)?, AIR-550(100), JOCR-560(20), KBS-Pohang,SK-new(250), DZCA-830(10), Sri Lanka-558(20), DYCH-550(1)
- 567 4JK-570(10), AIR-570(100), JOIK-570(100), HLKF-570(100), 2YA-570(100), DZAG-570(2.5), DXCD-560(5), Pakistan-540(300)

- 576 4QR-580(50), AIR-580(100), JOHG-580(10), AFKN(Munsan)-580(5), Malaysia-568(10), DZYZ-640(1), DYDY-570(10), RSFSR-575(150)?
- 585 China; AIR(Magpur)-590(100), RRI-585(100), JOPG-580(10), AFKN(Daegu)-580(5), N.Korea-565, Pakistan-585(1000), DZVV-600(1), DICI-550(1), Papua New Guinea-590(2), RSFSR-584
- 594 3WV-590(50), Brunei-580(200), China-590, AIR(Calcutta)-590(1000), JOAK-590(100), HLAG-590(10), Malaysia-590(200), DZBB-580(10)
- 603 4GY-600(2), 6PH-600(6), 7ZL-600(10), China, Cook Islands-600?, AIR-600(20), JOKK-600(5), Sabah-600(20), Sri Lanka-600(50)
- 612 2FC-610(50), China, AIR-610(100), JOLK-610(100), DWHB-590(10), DYHP-600(1)
- 621 3AR-620(50), China-615(100)?, AIR-620(20), NHK-620(6,3), HLCF/HLSJ/HLAY-620(12,10), N. Korea-625, DZHN-660(5), DZTG-690(1), Malaysia- ? (?), DXDC-590(5)
- 630 4QN-630(50), China-635?, KCAM-610?, AIR-630(20), RRI-630(100), HLSE/HLCY-630(15,10) 2YZ-630(20), Pakistan-630(100), DWWW-620(50), Singapore-630(20), RSFSR-629(100)
- 639 4MS-600(1), 5CK-640(10), China-640, Fiji-640(10)?, AIR-640(50), JOPB-640(10), HLKC-640(50), N. Korea-635, 4YW-640(2), Pakistan-790(100)?, DZRL-630(1), DYRG-630(5), Thailand-640(50), Vietnam- ? (50)?
- 643 2NU-650(10), 8DR-550(2), China, AIR-650(100), JOIG-650(5), FEN-650(10), HLSL-650(1) DWRL-730(1), DXMG-610(5), Thailand-630(55), RSFSR-647(1000)
- 657 2BY-660(10), 6GF-660(2), China, JOOG-660(5), HLMK-660(10), N.Korea-655(1500), 2YC-660(60), DYFL-650(1), DZXC-640(1), DXDD-550(5), RSFSR-656(50)
- 666 2CO-670(10), China-670(200), JOBK-670(100), DZRH-650(10), DXWW-640(10), RSFSR-665?
- 675 China-675(100), AIR-1050(20), JOUG/JOUK-680(10,5), HLAS-680(10), Sabah-665(10), 3YA-690(20), DWLW-660(5), DYNC-760(5), Singapore-680(20)?, Papua New Guinea-670(4,2) Vietnam-670?
- 684 2KP-680(10), 6BS-680(10), 8TC-680(1), China-730, AIR-680(10), JOAG-720(5), JODF-720(5), N. Korea-685, DWGW-690(1), DZCI-560(1)
- 693 5SY-690(2), 4KQ-690(2), Bangladesh-690(1000), China-690, AIR-690(20), JOAB-690(300) Sabah-690(20), DZCV-740(1). DYWC-740(5), DXBC-630(5), DXDX-690(1), Sri Lanka-690(20), Thailand-680(50), RSFSR-690(50)?, Vietnam-700?
- 702 2NR-700(50), China-700, AIR-710(100), NHK-700(20,10), N. Korea-695, DZAS-680(50), Sri Lanka-700(50)
- 711 4QW-710(10), 7NT-710(10), China, Fiji-710(10)?, AIR-700(20), HLKA-710(500), DZYI-720(1), DYBR-710(1), DXRD-670(5), DXIC-720(1), Thailand-710(20), Sri Lanka-640(50), Vladivostok,USSR- ? (?)
- 720 3MT-720(2), 4AT-720(2), 6WF-720(50), Cambodia-720?, China-720?, AIR-720(20), RRI-720(10), JOIL-720(1), N. Korea-1345?, Malaysia-720(200), 4YZ-720 DZLU-700(1), DZJO-770(5), DYEZ-690(5)
- 729 5CL-730(50), China, AIR-730(50), JOCK-730(50), New Calendonid-670?, DXOR-650(5), Thailand-749(50), DZGE-720(1)
- 738 2BL-740(50), China-740, AIR-740(50), JORR-740(5), JOLR-740(5), HLLG-740(100), N. Korea-735, DZFM-710(50), Tahiti-740(20), RSFSR-737, Vietnam- ? (??)
- 747 4QS-750(10), BED2-750(100), AIR-760(100), JOIB-750(500), HLLK-880(100), Sabah-750(10), 3ZA-750(2), DXND-730(1), DYHB-720(1)
- 756 2TR-760(2), 4QA-760(2), China-760, AIR-750(20), RRI-756(10), JOGK-760(10), 1YA-760(20), Pakistan-750(150), DWBN-730(1), DWNW-750(5), DWHL-770(2), DXJM-680(1), Thailand-725(55)
- 765 China-713?, AIR-1360(10), JOJF-740(5), JOPF-940(5), HLCQ-760(10), N. Korea-775, Malaysia-765(10), 2ZK-730(2), DZYT-780(5), DYRS-820(5), DXGS-750(1)
- 774 3LO-770(50), China-770, AIR-770(100), JOUB-770(500), HLAJ/HLAN-770(20,10), Sabah-774(10), DZBM-740(10), DXSO-1190(1)
- 783 2KA-780(2), 6VA-780(2), 4TO-780(1), China, AIR-1550(10), JOXR-780(5), AFKN-780(5), N. Korea-785, Sabah-780(10), 2YB-800(20), DZNL-750(1), DYPR-770(1), DYME-810(1), DXRA-710(10), RSFSR-782?
- 792 4QG-790(10), China, AIR-790(20), NHK-790(4,4,1), HLLJ-790(50), Nepal-790(10), DZAB-790(1), DYRR-770(1), Singapore-790(100)
- 801 4QY-800(2), 5RM-800(2), China, AIR-820(20), RRI-801(10), N. Korea-800, Sabah-800(10), DZNC-840(1), DWFA-800(1), DYKA-820(1), DXMZ-770(1), DXBL-803(1), RSFSR-800(1000)
- 810 2BA-810(10), 6WN-810(10), China, RRI-810(10), FEN-810(50), HLCT-810(20), N. Korea-813, 4YA-780(20), Papua New Guinea-810(2), DZKJ-780(10), RSFSR-810(150)
- 819 2GL-820(10), Bangladesh-820(100), China-820, AIR-810(100), JONK/JOIP-820(10,5,10)

- Cambodia-819, HLCN-820(20), N. Korea-820, 1YZ-860(10), DYVL-790(10), DXMC-740(5)
- 828 3GI-830(10), 6GN-830(2), 4NA-830(2), China, AIR-880(25), JOBB-830(300), Sabah-830(10), Pakistan-830(10), DWZR-820(1), DZTC-880(5), DXCC-780(10), Singapore-680(20)?
- 837 4RK-840(10), 6ED-840(1), China, AIR-840(20), JOOK-840(10), HLKY-840(50), 1YX-830/1YK-1010(4,2), DZXE-790(5), DYFM-800(5), DYRE-800(1), Thailand-860(50), RSFSR-840?
- 846 2CY-850(10), Bangladesh-1080(10), China, AIR-850(100), NHK(7.85,1), HLAU-850(10), Z2D-840(2), DWIZ-800(10), DXMS-880(10)
- 855 4QB/4QO-910(20,10), China, RRI-855(100), N. Korea-850, HLKN-1470(50), Pakistan-860(150), DXDN-850(1), DZGE-850(5), DXCT-700(10), Sri Lanka-860
- 864 4GR-860(2), 7HO-860(2), 6AM-860(2), China, RRI-864(10), JOPR-860(5), JOHE-860(3), JOQF-860(3), JOSO-860(1), N. Korea-860, HLKR-860(100), 4ZA-820(10), DZSP-810(1), DYRC-900(5), Papua New Guinea-860(2)
- 873 2GB-870(5), 6DB-870(2), Bangladesh-870(10), China, AIR-870(50), JOGB-870(500), DZPA-890(5), DZRC-890(5), DXRB-830(1), DXRT-890(1), Vietnam-870(100)
- 882 3YB-880(2), 4BH-880(2), 6PR-880(2), China-880, ATR-920(50), JOPK-880(10), N. Korea-877, HLKI-920(20), Malaysia-885(200), 1YC-880(10), DWRV-860(50)
- 891 5AN-890(50), China, Fiji-891(10), ATR-1060(10), RRI-890, JOHK-890(20), HLKB-890(250), 2XW-890(5), DYSR-840(10), Sri Lanka-890?, Thailand-830(500)
- 900 2LM-900(2), 6BY-900(2), 7AD-900(2), 8HA-900(2), China, AIR-900(20), JOHO-900(5), JOHF-900(5), HLKV-900(50), 4YC-900(10), Papua New Guinea-900(2), DZET-870(1), DZJC-770(1), DXRZ-950(5)
- 909 China, AIR-910(100), JOCB-910(10), HLCJ-1100(20), Thailand-910(50), Iman,USSR- ?
- 918 2KL-920(1), 4VL-920(1), 6NA-920(2), Cambodia-918?, China, JOEF-920(5), N. Korea-915 3YZ-920(10), DZRP-920(50), Sri Lanka-920(25)
- 927 3UZ-930(5), 4CD-930(2), China, Fiji-930(3)?, AIR-930(10), RRI-927(50), NHK1-930(11,1), N. Korea-930, HLDB/HLSU-930(11,1), Sabah-930(10), Z2A-930(2)
- 936 4AY-940(2), 7ZR-940(10), China-940, AIR-940(100), JOTR-940(5), HLA-1220(20), DZXT-1120(1), DYKW-910(1), DYOG-860(10), DXUM-900(10), Thailand-940(5)
- 945 China(Urumqi)-950, NHK-780(9,5), HLSB-1300(10), Malaysia-940(50), Z2G-1060(2), DYRO-1010(1), DXRO-940(5)
- 954 2UE-950(5), Burma-955(50)?, China, AIR-950(10), RRI-954(10), JOKR-950(100), N. Korea-955, 1XW-930(2), DWAU-940(10), DXRI-750(1)
- 963 3BC-960(2), 4WK-960(2), 6TZ-960(2), China, AIR-960(20), RRI-963(10), NHK-960(13,5) HLCR/HLKS-960(20,10), 3YC-960(10), DYSS-1020(10), DXYZ-980(5)
- 972 2MW-970(2), 5DN-970(2), China, AIR-970(100), RRI-972(50), HLSA-600(500), Malaysia- ? (50)?, DXMO-950(5), DWKS-880(1), Sri Lanka-970(20), Udon Thani-940(5), RSFSR-973?
- 981 3HA-980(2), 4RO-980(2), 6KG-980(2), China(Fuzhou)-990, AIR-980(20), 1YE-1050(2), DZRD-1010(5), DXER-930(5), DYBQ-870(5), Thailand-980(50)
- 990 2GZ-990(2), 6PM-990(2), AIR-980(20), JORK-990(10), HLP-990(10), DWWJ-980(10), Singapore-990(50)
- 999 2NB-1000(2), 2ST-1000(2), China-1000, AIR-1010(10), RRI-999(300), NHK-1000(4.3,1), HLCL-1000(10), N. Korea-1000, DZEQ-1510(5), DXHP-1000(1)
- 1008 4CA-1010(2), 4IP-1010(5), 6GE-1010(2), 7EX-1010(2), China-1010, AIR-1000(100), RRI-1008(10), JONR-1010(50), HLCS-1170(50), 1ZD-1000(10), Pakistan-1010(120), DXXX-1010(100), RSFSR-1010(50)
- 1017 2KY-1020(5), China-1020, AIR-1020(20), JOLB-980(50), HLAU-1020(10), Malaysia- ?, DWDW-1041(5), DDCW-1020(1), DYRP-990(5), DXGE-980(5), DXKS-1060(1), Tonga-1020(10)?
- 1026 3DB-1030(5), 4MK-1030(5), China, AIR-950(100), NHK-1030(2,0,1), HLCG/HLKW-1030(2,1) 1ZN-970/1ZK-1440(4,2), DWXX-1000(10), DXBN-810(1), Solomon Islands-1030(5)?, Thailand-1030(50)
- 1035 5PI-1040(5), 2UH-1040(1), China, AIR-1030(20), JOIC/JOHD-1080+others(3.4,1), HLCP-910(10), Z2B-980(20), Pakistan-1030(120), DYFJ-1340(1), DXCP-990(5), DZWX-1020(10)
- 1044 2UH-1040(1), 5PI-1040(2), China-1040(300), AIR-1040(20), RRI-1044(10), AFKN-1040(1) 4ZB-1040(10), DZDR-1040(5), DYMS-1040(1), DXML-1040(1), DXLL-1050(5)
- 1053 2CA-1050(2), China, RRI-1051(10), AIR-1050(10), JOAR-1050(50), Z2P-1370(2), DZVR-1060(5), DZEL-1150(5), DYSA-1050(1), DXKD-1060(1), Svobodnyy,USSR- ? (?), Western Samoa-1050?
- 1062 3CV-1060(2), 4SB-1060(2), China-1060, HLKQ-1060(50), DZEC-1050(10), DXKI-1060(5)

1071 7RG-1070 (1), 6WB-1070 (2), China, AIR-1070(1000), JOFK-1070(20), DYXT-1030(1),
DXKT-1370(1)

1080 2MO-1080 (2), 6IX-1080 (2), 7HT-1080 (2), China, HLAT-1080(10), N. Korea-1080,
17B-1080(10), Pakistan-1090(10), DWIN-1080(5), DXSN-1010(1), Sabah-1080,
RSPSR-1079(500)

1089 3MW-1090 (), China-1090, AIR-1080 (30), JOHB-1090(10), HLCH-1090(10), DYHR-1110(5)
DXCM-1090(5)

1098 4LG-1100 (2), 6MD-1100 (2), 7LA-1100 (2), China, RRI-1098 (20,10), JOWO-1100 (5),
JOSR-1100 (5), JOGF-1100 (5), JONF-1100 (5), JOEL-1100 (1), JOMP-1100 (1), HLAJ-1320 (20)
3ZB-1100 (10), DWAD-1080 (10)

1107 2UW-1110 (5), China, RRI-1107 (10), AIR-1110 (20), JOMR-1110 (5), JOCF-1110 (5),
JOBW-1110 (1), HLAU-1110 (10), DXUL-1100 (1), DYRI-1280 (1)

1116 4BC-1120 (2), China, AIR-1120 (40), RRI-1116 (10), JODR-1120 (5), JOAF-1120 (5),
HLCI-1120 (1), 2YX-1150 (1), DZLF-1110 (5), DZLB-1210 (5), DYTR-1090 (1)

1125 China, AIR-1170 (10), JOAD-1360/JOOC-1080/JOIT-1080/JOLC-1080+others (15,5),
HLSM-540 (10), DWAS-1390 (1), DZWN-1170 (5), DXAS-1430 (1), Thailand-1130 (50)

1134 2AD-1130 (2), 3CS-1130 (2), 6CI-1130 (2), China, AIR-1130 (1000), RRI-1134 (50),
JOOR-1130 (100), N. Korea-1134?, 4YQ-1120 (2), DYRM-1120 (1)

1143 2HD-1140 (2), China, AIR-1170 (10), JOBR-1140 (20), 1YW-1140 (2), VOA-1140 (1000),
DXMV-1170 (1)

1152 2WC-1150 (2), China, JOPC/JORB-1150 (20,10), HLCW-1150 (10), 3ZC-1160 (2), DYII-1310 (5)
RSPSR-1150

1161 5PA-1160 (10), 7FG-1160 (1), 4MB-1160 (2), China, AIR-660 (), NHK2 (2.35,0.1),
HLKU-1160 (20), 2ZM-1130 (2), DZMD-1220 (1), DYRD-1150 (1), DXDS-1160 (1)

1170 2CH-1170 (5), China, RRI-1170 (50), HLSR-750 (500), DWLL-1130 (10)

1179 3KZ-1180 (5), China, AIR-1180 (20), JOOR-1180 (50), USSR-1178 (30)

1188 2NZ-1190 (2), 6XM-1190 (2), China-1190, AIR-1190 (20), RRI-1185 (5), JOKP-1190 (10),
HLKX-1190 (50), DZXO-1240 (1), DZLT-1240 (5), DYRV-1220 (1)

1197 5KA-1200 (2), 4GG-1200 (2), China, AIR-1200 (13,10), JOYF-1200 (5), JOBF-1200 (5),
JOMO-1200 (1), JOSW-1200 (1), JOFO-1200 (1), AFKN-1200 (1), Sabah-1200 (10), 2Zw-1200 (2)
DYRH-1200 (5), DYFE-1200 (5)

1206 2CC-1210 (5), 2GF-1210 (2), 6KY-1240 (2), China-1210, RRI-1206 (10), HLSW-1210 (1),
4XO-1210 (2), DWWA-1160 (10), DXRS-1196 (1)

1215 China, RRI-1215 (10), AIR-1570 (), HLCD-1240 (10), 1ZE-1220 (2), DYRF-1180 (5),
Thailand-1210 (50)

1224 3ZZ-1220 (2), China-1220, JOJK-1220 (10), Malaysia-1220 (50), DZMQ-1210 (5),
DXWG-910 (1), DXSM-1220 (1)

1233 2NC-1230 (10), China-1230, RRI-1233 (50), JOUR-1230 (5), JOGF-1230 (5), DYVS-1250 (1),
DXSS-1230 (5)

1242 3TR-1240 (), 4AK-1240 (2), 5AU-1240 (2), 8DN-1240 (2), China, AIR-1240 (20),
JOLF-1240 (100), HLKD-940 (10), 1XX-1244 (2), DWBL-1190 (10), DXSY-1220 (5),
Thailand- ? (100)

1251 2DU-1250 (2), China-1250, India-1250 (20), RRI-1251 (10), JOTF-1250 (5), HLKT-1250 (10),
1ZM-1250 (1), DWSI-1320 (1), DZMS-1250 (1), DXCB-1230 (1), USSR-1250 (1000)

1260 3SR-1260 (2), China, JOIR-1260 (20), HLKL-1260 (10), 3XA-1290 (2), DWMC-1260 (1),
DYUL-1240 (5), Thailand-1260 (50)

1269 2SM-1270 (5), China, AIR-1270 (10), JOHW-1280 (5), JOJR-1280 (5), HLSI-1300 (1),
DZVX-1270 (5), DXRP-1350 (5)

1278 3AW-1280 (5), China-1280 (100), JOFR-1270 (50), 2ZC-1280 (2), DZRM-960 (25)

1287 2TM-1290 (2), China-1290, AIR-780 (), RRI-1287 (50), JOHR-1290 (50),
HLAX/HLAF-1290 (11,10), "DPI-2"-960 (200)

1296 4BK-1300 (2), 5SE-1300 (2), China-1300 (300), AIR-1160 (20), JOTK-1300 (10), 1ZH-1310 (2)
N. Korea-1285, Thailand- ? (?)

1305 China, AIR-1300 (20), HLSV-1380 (10), DYKC-1260 (5)

1314 2GO-1310 (2), 5AD-1310 (2), China, AIR-1310 (10), JOUF-1310 (50), HLCM-1310 (10),
2YW-1180 (2), DZSA-1230 (10), DXRH-1300 (10)

1323 3BA-1320 (2), China-1330, AIR-1320 (20), RRI-1323 (10), NHK1 (1), HLCU-1320, DYOO-1440

1332 4BU-1330 (5), 3SH-1330 (2), China, RRI-1334 (10), JOSF-1330 (50), HLAO-1330 (10),
1XI-1590 (5), DZKI-1330 (1), DWAR-1300 (5)

- 1341 2LF-1340(2), China, NHK1(1.9,0.5), N. Korea-725?, DYYS-1350(1), DYRL-1360(5), Thailand-1340(50)
- 1350 3GL-1350(2), China, JOER-1350(20), HLAQ-1350(1), 12C-1350(2), DZXQ-1250(10)
- 1359 2NX-1360(2), China, AIR-800(), NHK2- (2.4,0.1), AFKN-1360(1), DYMR-1410(10)
- 1368 4LM-1370(2), 2GN-1370(2), China, AIR-1370(), JOHP-1380+others(7.5,5), HLKO-1370(1), DZBS-1370(1), DWAM-1290(1), DZRA-1360(1), DyKO-1290(1), Singapore-1370(20), Thailand-1370(50), USSR-1367(500)
- 1377 3MP-1370(5), China, AIR-1380(10), JOUC-1370/JOTZ-1510/JOAC-1600(7,5), DXKP-1370(10), DYVR-1370(5), USSR-1376(30)?
- 1386 5AA-1390(), China, AIR-1390(20), JOHC-1390/JOJB-1390/JOQC-1390/JOKB-1600(35,10) WXLE-1386(0.25), DWKW-1280(10), DXCR-1330(5)
- 1395 2LT-1370(5), AIR-1330(20), HLCO-1450(10), DZMG-1390(1)
- 1404 2PK-1400(2), China, JOQL-1400(5), JOUR-1400(5), HLKP-1400(10), DWAY-1320(1), DZOR-1420(1), Thailand- ? (50)?, DYRB-1390(5)
- 1413 2KO-1410(2), China, JOIF-1410(50), 12O-1420(2), DXHU-1410(5)
- 1422 3XY-1420(5), China, JORF-1420(30), DZEM-1360(10), Western Samoa-1420(10)?
- 1431 2WL-1430(2), JOKF-1430(5), JOVF-1430(5), HLCZ-540(10), 4XD- (), DYRS-1420(5)
- 1440 2CN-1440(2), China, AIR-1550(), JOWF-1440(50), AFKN-1440(1.6,1), DZOM-1440(1), DZDL-1420(5)
- 1449 2MG-1450(2), AIR-860(), JOQM-1450(5), JOKF-1450(5), HLTC-1450(10), 2YM-1410(2)
- 1458 2NM-1460(2), 5MU-1460(1), China-1460(100), AIR-1470(20), JOWR-1460(1), JOYL-1460(1) JOUO-1460(1), HLSH-540(1), 3YW-1460(2), DWRP-1470(250)
- 1467 3MA-1470(2), China, AIR-1460(20), NHK-1470(5.4,1), HLCX-1140(10), Thailand-1470(20)
- 1476 2BE-1480(1), China, Sabah-1475(600), 1XA-1480(5), DWRB-1420(1), DYLV-1450(1), Thailand-1480(100), USSR-1475(150)
- 1485 "Low Power" channel, under 2 kw. 2BE-1480(2), 4ZR-1480(2), RRI-1485(10!), JOGO-1430(1), DYKR-1480(1), many others
- 1494 2AY-1490(2), China, JOYR-1490(5), JOTL-1490(1), 12A-1500(2), DWEE-1380(10), DXOC-1490(1)
- 1503 2BS-1500(2), 3AK-1500(5), China, JOUK-1170(10), HLSK-1500(1), 3YR-1510(2)
- 1512 2NA-1510(10), China, JOZB/JOCD/JOSE/others-1510(7.85,1), 12U-1520(1), DYWB-1500(5)
- 1521 2QN-1520(2), China-1525(500), AIR-1530(), NHK2-1520(6.9,1)
- 1530 2UM-1530(1), China, RRI-1530(10), N. Korea, JOXF-1530(3), JODO-1530(1), JOAM-1530(1), DWME-1540(10)
- 1539 2JJ-1540(10), China-1540(500), AIR-1540(10), NHK2- (2.1,0.1) HLSY-850(10), 2ZE-1540(1), DZYM-1530(1)
- 1548 4QD-1550(50), China, HLKZ-1540(1), DYLA-1555(10)
- 1557 2RE-1560(2), China, 2ZH-1560(1), DZYR-1350(1), DWGO-1550(2.5)
- 1566 3NE-1600(1), China, HLDA-1570(250), DZHH-1570(), Thailand-1560(10)?
- 1575 China, FEN-1580(10), R. Rhema-1570(), VOA-1580(1000)
- 1584 "Low Power" channel, 2 kw or less. NHK1(2.2,0.1)
- 1593 2WN-1580(2), 5MV-1590(2), China, JOQB/JOTB-1590(20,10), R. Manakau(NZ)-1590 Thailand-1600(10)?
- 1602 "Low Power" Channel, 2 kw or less. NHK-1600(12.55,1)

Sources: Australian Radio DX Club, Far East DX Club, Mike Hardester, Nick Hall-Patch, Medium Wave Circle, Dario Monferini, New Zealand Radio DX League, Universal DX Club of India, World Radio-TV Handbook.



Midnight Sun BROADCASTERS INC

KTKN·RADIO

BOX 2347
KETCHIKAN ALASKA
99901

NEW NINE KHZ FREQUENCY ASSIGNMENTS FOR EUROPE, AFRICA, AND THE MIDDLE EAST

The following is a list of the new frequency assignments known to the editors as of publication time.

Some caution should be exercised in using this list. Information on some stations is lacking and some of the assignments are for stations which may not come on the air until several years from now. Most stations now in operation will move to the nearest "new" frequency, usually one kilohertz higher than the present frequency.

On each frequency in this list, stations are arranged alphabetically by country and city. Numbers in parentheses are authorized maximum power outputs (in kilowatts). The actual power used may, in some cases, be lower than the amount shown. An asterisk means the assignment appears to be for a station currently in operation. A question mark means the listing is speculation on the part of the foreign log editors.

- 155 Donelach, W. Germany (500)* Tromso, Norway (1200)* Brasov, Romania (1200)*
- 164 El Qusiya, Egypt (2000) Allouis, France (2000)*
- 173 Lopik, Holland (500) Nador, Morocco (1200) Minsk, USSR (1000)*
Kaliningrad, USSR (1000)* Maykop, USSR (1000)*
- 182 Saarlouis, W. Germany (2000)* Oranienburg, E. Germany (750)*
Raufarhoefn, Iceland (500) Kiruna, Sweden (600)* Ankara, Turkey (1200)*
- 191 San Severo, Italy (600)* Madrid, Spain (1000) Gotland, Sweden (600)*
Birobidzhan, USSR (1000)* Tbilisi, USSR (500)*
- 200 El Golea, Algeria (1000), El Qusiya, Egypt (500) Droitwich, Great Britain (400)*
- 200 Munich, W. Germany (500) Floinn, Iceland (500)* Azilal, Morocco (800)*
Kiev, USSR (500)*
- 218 Monte Carlo, Monaco (1400)* Oslo, Norway (1200)* Baku, USSR (500)*
- 227 Warszawa, Poland (2000)* Barcelona, Spain (800) Van, Turkey (600)
- 236 Jefren, Libya (1000) Junglinster, Luxembourg (2000)* Kishinev, USSR (1000)*
Leningrad, USSR (1000)* Ulianovsk, USSR (1200)
- 245 Kalundborg, Denmark (300)* Tuscania, Italy (300)
- 254 Tobessa, Algeria (1500)* Turku, Finland (1500)* Tullamore, Ireland (500)
Sarakeb, Syria (500)
- 263 Plovdiv, Bulgaria (500) Burg, E. Germany (300)* Moscow, USSR (2000)*
- 272 Topolna, Czechoslovakia (1500)* Chardzhou, USSR (500)
- 281 Minsk, USSR (500)* Tel Aviv, Israel (500) Tunis, Tunisia (1200)
- 531 Ain Beida, Algeria (600)* Torshavn, Faroe Islands (200)* Joensuu, Finland (100)*
Leipzig, E. Germany (100)* Praia, Guinea (50) Jerusalem, Israel (200)
Ilorin, Nigeria (50) Dar es Salaam, Tanzania (300) Urgentch, USSR (150)
- 540 Brussels, Belgium (150) Pointe Noire, Congo (100) Enontekiö, Finland (45)
Kajaani, Finland (45) Solt, Hungary (2000)* Cagliari, Italy (50)* Torino, Italy (50)*
Kenya (50), Kuwait (750)* Sikasso, Mali (100) Sidi Bernour, Morocco (600)
Sokoto, Nigeria (50) Nyala, Sudan (250) Aydinck, Turkey (600) Orenburg, USSR (100)*
- 549 Les Trembles, Algeria (600)* Bayreuth, W. Germany (200)*
Telznoub, Lebanon (100) Kano, Nigeria (50) Doha, Saudi Arabia (2000)*
Minsk, USSR (1000)* Alma Ata, USSR (1000)* Kishinev, USSR (1000)* Kitwe, Zambia (100)
- 558 Abu Zabal, Egypt (1000)* Porvoo, Finland (600)* Rostok, E. Germany+others (40 total)
Queshiagh, Iran (1000)* Gbarnga, Liberia (100) Tripoli, Libya (300)*
Sokoto, Nigeria (250) Uargu Jui, Romania (200)* En Nohud, Sudan (100) Faro, Portugal?
Monte Ceneri, Switzerland (300)* Tavas, Turkey (300) Maribor, Yugoslavia (100)*
- 567 Berlin, W. Germany (100)* Tullamore, Ireland (500)* Firenze, Italy (100)*
Nairobi, Kenya (100) Quarzazate, Morocco (100) Uzalla, Nigeria (100) Brasov
Brasov, Romania (50)* Satu Mare, Romania (50)* Jeddah, Saudi Arabia (50)
Homs, Syria (300)* Volgograd, USSR (250) Kasama, Zambia (50)
- 576 Vidin, Bulgaria (1000)* Bechar, Algeria (400)* Schwerin, E. Germany (200)*
Muhlacker, W. Germany (300)* Abadan, Iran (600)* Tel Aviv, Israel (200)*
Ibadan, Nigeria (50) Soba, Sudan (200) Mawagga, Uganda (100)* Askhabad, USSR (150)
Iakutsk, USSR (500) Riga, USSR (500)*
- 585 Wien, Austria (1200)* Libreville, Gabon (100) Riyadh, Saudi Arabia (1200)*
Madrid, Spain (500)* Zanzibar, Tanzania (50) Gafsa, Tunisia (350)*
- 594 Plevin, Bulgaria (250)* Ghinnir, Ethiopia (100) Frankfurt, W. Germany (800)*
Honomeissner, W. Germany (100)* Venice, Italy (20) Zahedan, Iran (100)
Ajlun, Jordan (1200)* Lilongwe, Malawi (1)* Khorixas, Namibia (100)
Jajil, Nigeria (200)* Monte Morvelho, Portugal (100) Sundsvaal, Sweden (600)*
Malatya, Turkey (300)

- 603 Brazzaville, Congo(100) Nicosia, Cyprus(600)* Ras Banas, Egypt(1000) Lyon, France(300)* Mariehamn, Finland(300)* Berlin, E. Germany(5) Great Britain(BBC4, low power)* Kankan, Guinea(100) Abafon, Nigeria(50)* Reunion(300)* Oradea, Romania(50)* Rumbek, Sudan(50) Dodoma, Tanzania(100) Hizyak, Yemen(300)
- 612 Quasr Shirin, Iran(400)* Tullamore, Ireland(200) Nairobi, Kenya(100)* Sebaa Aicoun, Morocco(300)* Guriat, Saudi Arabia(2000)* Frunze, USSR(300) Sarajevo, Yugoslavia(600)*
- 621 Wavre, Belgium(600)* Orapa, Botswana(20)* Santa Cruz, Canary Islands(200)* Batra, Egypt(1000)* Vigra, Norway(100)*? Enugu, Nigeria(50)* Rashad, Sudan(100) Mbeya, Tanzania(50)* Khemerovo, USSR(150) Ukhta, USSR(150)*
- 630 Dobl, Austria(100) Braunschweig, W. Germany(100 daytime only) Arba, Ethiopia(50) Monrovia, Liberia(50)* Smoela, Norway(1200) Timisoara, Romania(400)* Tunis, Tunisia(600)* Cukurova, Turkey(300)* Lusaka, Zambia(200)*
- 639 Praha, Czechoslovakia(1500)* Zyyi, Cyprus(500)* Bonab, Iran(800)* Slane, Ireland(100) Mombasa, Kenya(50) Lancers Gap, Lesotho(100) Kaduna, Nigeria(50)* La Coruña, Spain(100)* El Obeid, Sudan(200) Kibira Rdkia, Uganda(50)*
- 648 Brogozina, Albania(300) Bonto, Gambia(200)*? Orapa, Botswana(50) Ajena, Ghana(50) Orfordness, Great Britain(150)* Tampere, Finland(100) Tobruk, Libya(300) Missour, Morocco(100) Jeddah, Saudi Arabia(2000)* Nachingwea, Tanzania(100) Simferopol, USSR(150)*
- 657 Neubrandenburg, W. Germany(2000 0400-1800, 20 1800-0400) Tel Aviv, Israel(300) Napoli, Italy(120) Venizia, Italy(300) El Aaiun, Morocco(50) Ibadan, Nigeria(50)* Guriat, Saudi Arabia(500) Dar es Salaam, Tanzania(100)* Urla, Turkey(600) Al Ain, United Arab Emirates(100) Murmansk, USSR(150)*
- 666 Tindouf, Algeria(100), Rohrdorf, W. Germany(300)* Trikala, Greece(250)* Hoefn, Iceland(100)* Ahwaz, Iran(100)* Nzerekore, Guinea(100) Eku, Nigeria(100) Lisboa, Portugal(135)* Kassala, Sudan(200) Damascus, Syria(100)* Barnaul, USSR(150) Dudinka, USSR(150) Chipata, Zambia(50)
- 675 Helsinki, Finland(45) Marseilles, France(600)* Lopik, Holland(120)* Durganvan, Ireland(100) Bet Hilel, Israel(400) Benghazi, Libya(100)* Mzuzu, Malawi(50)* Mariental, Namibia(50) Doha, Qatar(100)* Eniseisk, USSR(150) Mari, USSR(150) Ujgorod, USSR(50) Volotchisk, USSR(50)
- 684 Cotonou, Benin(100) Gore, Ethiopia(200) Hof, W. Germany(100)* Mashad, Iran(100)* Kurepipe, Mauritius(300)* Sevilla, Spain(500)* Tselinograd, USSR(300) Beograd, Yugoslavia(2000)*
- 693 Nicosia, Cyprus(600)* Berlin, W. Germany(250)* Moorside Edge, Great Britain(300)* Milano, Italy(100)* Tananarive, Madagascar(100) Makurdi, Nigeria(50) Juba, Sudan(200) Morogoro, Tanzania(100) Ufa, USSR(150)* Kemerovo, USSR(150) Kinshasa, Zaire(600)*
- 702 Andorra(600)* Haboho, Comoro Islands(50), Banska Bystrika, Czechoslovakia(400)* Presov, Czechoslovakia(400)* Rasht, Iran(400)* Grosseto, Italy(50) Meru, Kenya(100) Bamako, Mali(100) Sebaa Aicoun, Morocco(140) Monte Carlo, Monaco(1200)* Masirah Island, Oman(1500)* Nuzlah, Saudi Arabia(50)* Umraniye, Turkey(150) Dushambe, USSR(50)* Kirensk, USSR(50) Luanda, Angola(5) Various, W. Germany(low power)
- 711 Abu Zabal, Egypt(200) Rennes, France(300)* Various, West Germany(low power) Bologna, Italy(100) Nepi, Italy(100) Monrovia, Liberia(100)* Ghadames, Libya(50) Jefren, Libya(50) Sebha, Libya(50) Tarfaya, Morocco(600)* Kigoma, Tanzania(100) Donetsk, USSR(150)* Mocha, Yemen(300)
- 720 Tejada, Canary Islands(100) Zyyi, Cyprus(500)* Langenberg, W. Germany(200) Various, Great Britain(BBC4, low power)* Taybad, Iran(400)* Bari, Italy(100)* Aba, Nigeria(50) Norte, Portugal(100)* Kiruna, Sweden(600)* Mwanza, Tanzania(50)* Sfax, Tunisia(200)* Yuzhno-Sakhalinsk, USSR(500)
- 729 Tampere, Finland(45) Griefswald, W. Germany(100) Athens, Greece(1000)* Killarney, Ireland(100) Bouarfa, Morocco(100) Kano, Nigeria(100)* Zalindei, Sudan(200) Butebo, Uganda(100)* Abu Dhabi, United Arab Emirates(750)* Bratsk, USSR(150)
- 738 In Amenas, Algeria(400) Dolise, Congo(50) Tel Aviv, Israel(1200)* Ma Phuto, Mozambique(50)* Poznam, Poland(1500)* Barcelona, Spain(500)* Tcheliablinsk, USSR(150)
- 747 Petritch, Bulgaria(500)* Garoua, Cameroun(100) Lopik, Holland(500)* Bandar Shah, Iran(400) Nairobi, Kenya(100)* Runtu, Namibia(100) Port Sudan, Sudan(100) Sarakeb, Syria(100) Ouagadougou, Upper Volta(100)*? Semipalatinsk, USSR(200)
- 756 Kuopio, Finland(100)* Braunschweig, W. Germany(800)* Ravensburg, W. Germany(200) Salman Park, Iraq(300)* Capo Vaticano, Italy(100) Ngumbe, Malawi(50)* Maiduguri, Nigeria(250)* Lisboa, Portugal(135)* Lugo, Romania(1000)* Hiswa, S. Yemen(50) Kolpachevo, USSR(150) Urghentch, USSR(150)
- 765 Enniscorthy, Ireland(100) Chahbahar, Iran(600) Nampula, Mozambique(250)

- Damman, Saudi Arabia(1000) Dakar, Senegal(400)* Soba, Sudan(200)*
Sottens, Switzerland(500)* Silifke, Turkey(600) Medvedijegorsk, USSR(150)*
Odessa, USSR(150)*
- 774 Sofia, Bulgaria(150)* Varna, Bulgaria(200) Ahis, Egypt(1000)* Milano, Italy(100)
Agadir, Morocco(100)* Benin, Nigeria(50)* Valencia, Spain(100)*
Stockholm, Sweden(600)* Voronej, USSR(150)* Split, Yugoslavia(50)*
Mukalla, South Yemen(50)
- 783 Burg, W. Germany(1000)* Lokoja, Nigeria(50) Porto, Portugal(100)*
Atbara, Sudan(100) Tartus, Syria(600)* Achkabad, USSR(300)* Kiev, USSR(100)*
Pazin, Yugoslavia(50)*
- 792 Brazzaville, Congo(100) Limoges, France(300)* Kavalla, Greece(500)*
Mombasa, Kenya(100)* Astrakhan, USSR(50)* Okha, USSR(50) Saywn, S. Yemen(50)
- 801 Nurnberg, W. Germany(500)* Amman, Jordan(200)* Alhoceima, Morocco(400)
Forcados, Nigeria(50) El Fasher, Sudan(100) Leningrad, USSR(1000)*
Ulan Ude, USSR(1000) Bukavu, Zaire(300)*
- 810 Burghhead/Westerngleng, Great Britain(100)* Crowborough, Great Britain(500)*
Berlin, W. Germany(10)* Joao Belo, Mozambique(50)* Bobi, Uganda(100)*
Aghinskoe, USSR(150)* Omsk, USSR(150) Volgograd, USSR(150)* Tbilisi, USSR(150)
Abu Dhabi, United Arab Emirates(50)* Skopje, Yugoslavia(1000)*
- 819 Andorra(600)* Batra, Egypt(1000)* Kurepipe, Mauritius(100)* Rabat, Morocco(600)*
Warsaw, Poland(1500)* Damman, Saudi Arabia(1000) Dongola, Sudan(100)
Kzyl Orda, USSR(150) Lusaka, Zambia(500)*
- 828 Chouman, Bulgaria(500)* Freiburg, W. Germany(40)* Hanover, W. Germany(100)*
Arba Minche, Ethiopia(200) Nsawan, Ghana(50) Sebhah, Libya(300)*
Oujda, Morocco(100)* Enugu, Nigeria(100)* Deir, Syria(1500)* Gorkii, USSR(150)*
Monqu, Zambia(50)
- 837 Kyyjarvi, Finland(100)* Nancy, France(300)* Chiraz, Iran(400) Hamat, Lebanon(600)
Edirne, Turkey(300) Kharkov, USSR(150)* Novi Sad, Yugoslavia(50)*
Wadi Halfa, Sudan(50)
- 846 Roma, Italy(2000)* Kisumu, Kenya(100) Bauchi, Nigeria(50) Sivas, Turkey(300)
Moscow, USSR(60)* Tselinograd, USSR(50)
- 855 Harrar, Ethiopia(150)* Capo Greco, Cyprus(50) Berlin, W. Germany(100)*
Bouafie, Ivory Coast(200) Port Harcourt, Nigeria(40)* Damman, Saudi Arabia(1000)
Moufia, Spain(250)* Bucharest, Romania(1500)* Soba, Sudan(500) Dascus, Syria(500)
Tcheliabinsk, USSR(150) Chipata, Zambia(50)
- 864 Plovdiv, Bulgaria(150)* Giza, Egypt(500)* Paris, France(300)
Ksar es Souk, Morocco(600)* Damman, Saudi Arabia(500) Jeddah, Saudi Arabia(500)
Kenema, Sierra Leone(50) Karaganda, USSR(500)
- 873 Abu Zabal, Egypt(200)* Addis Abbaba, Ethiopia(150)* Frankfurt, W. Germany(150)*
Beira, Mozambique(50)* Buram, Sudan(250) Minsk, USSR(150)* Kishinev, USSR(500)*
- 882 Suhl, W. Germany(250)* Washford, Great Britain(150)* Abidjan, Ivory Coast(100)
Kisumu, Kenya(100) Ohopoho, Namibia(100) Kaduna, Nigeria(50)* Narin, USSR(500)
Titograd, Yugoslavia(300)* Damman, Saudi Arabia(100)* Lusaka, Zambia(50)
- 891 Algiers, Algeria(200)* Linz, Austria(200)* Makale, Ethiopia(100)
Mabou, Guinea(100) Bundoran, Ireland(100) Lancers Gap, Lesotho(100)*
Babanusa, Sudan(100) Antalya, Turkey(600)* Dodona, Tanzania(100)
Lugograd, USSR(150) Tiumen, USSR(100)
- 900 Teheran, Iran(50)* Milano, Italy(2000)* Meru, Kenya(100) Kuliab, USSR(50)
Guriat, Saudi Arabia(1000)* Alaguz, USSR(50)* Iochkar Ola, USSR(50)
- 909 Tamanrasset, Algeria(100) Jyvaskyla, Finland(100) Munich, W. Germany(200)*
Brookmans Park, Great Britain(140)* Stagshaw, Great Britain(100)*
Sidi Bennour, Morocco(100) Cluj, Romania(50)* Yambio, Sudan(50) Taiz, Yemen(500)
- 918 Paphos, Cyprus(50)* Ma Phuto, Mozambique(100) Makurdi, Nigeria(50)
Oviedo, Spain(20) Mezen, USSR(100) Ljubljana, Yugoslavia(600)*
- 927 Wavre, Belgium(600)* Kerouane, Guinea(100) Zakynthos, Greece(50)*
Mombasa, Kenya(100) Malakal, Sudan(250) Nebit Dag, USSR(50) Taichet, USSR(50)
Izmir, Turkey(200)* Al-Hasakah, Syria*
- 936 Parakou, Benin(100) Cairo, Egypt(100)* Bremen, W. Germany(100)*
Agadir, Morocco(600)* Beira, Mozambique(250) Al Khaisah, Qatar(100)
Pt. Chevtchenko, USSR(150) Lvov, USSR(500)*
- 945 Adiugri, Ethiopia(100)* Toulouse, France(300)* Marivan, Iran(20)*
Sokoto, Nigeria(50)* Guriat, Saudi Arabia(1000) Abu Hamed, Sudan(100)*
Johns Corner, Tanzania(50) Rostov na Donu, USSR(300)*
- 954 Brno, Czechoslovakia(750)* Haifa, Israel(100) Kisumu, Kenya(100)*
Al Arish, Qatar(750) Valencia, Spain(20) Deir Ez Zor, Syria(60)
Trabzon, Turkey(300) Aralsk, USSR(150)
- 963 Sofia, Bulgaria(150)* Nicosia, Cyprus(600) Pori, Finland(600)*

- Annagry, Ireland(10)* Tete, Mozambique(100) Otjiwarongo, Namibia(50)
 Soba, Sudan(200) Mogadiscio, Somalia(150)* Tunis, Tunisia(200)*
 Ulan Ude, USSR(50) Beograd, Yugoslavia(200)
- 972 Bebele, Botswana(50)* Bertoua, Cameroon(100)* Bahar Dar, Ethiopia(100)
 Langenberg, W. Germany(800) Hamburg, W. Germany(600)* Boko, Guinea(50)
 Beni Ulid, Libya(100) Hun, Libya(100) Murzou, Libya(100) Marrakech, Morocco(50)
 Fujairah, United Arab Emirates(100) Nikolaev, USSR(500)*
- 981 Algiers, Algeria(400)* Varna, Bulgaria(150) Athens, Greece(200)* Voi, Kenya(100)
 Kedougou, Senegal(50) N. Bohuslaen, Sweden(600) Krasnoliarsk, USSR(100)
 Sanaa, Yemen(600)
- 990 Addis Ababa, Ethiopia(50)* Lahti, Finland(100)* Rovatiemi, Finland(100)
 Berlin, W. Germany(300)* Hof, W. Germany(40)* Shiraz, Iran(400)*
 Amchit, Lebanon(100)* Gombe, Nigeria(50) Yerkesik, Turkey(100)
 Guriat, Saudi Arabia(500) Sonoga, Tanzania(100)
- 990 Yaounde, Cameroon(100)* Torino, Italy(200)* Various, E. Germany(60 total)*
 Delimara, Malta(600)* Villa Cisneros, Mauritania(100) Kasale, Uganda(100)*
 Melgavia, USSR(500)* Hodeidah, Yemen(500)
- 1008 Kerkyra, Greece(50)* Flevoland, Holland(500)* Ksar es Souk, Morocco(50)*
 Ma Phuto, Mozambique(250) Kontagora, Nigeria(50) Tabora, Tanzania(50)
 Bobo-Dioulassi, Upper Volta(100) Mozyr, USSR(50) Sempalatinsk, USSR(150)
 Slonim, USSR(50)* Uchatchi, USSR(50)* Taiz, Yemen(60)*
 Aleksiniac, Yugoslavia(200)* Semann, Iran Bandondu, Zaire(50)*
- 1017 Wolfsheim, W. Germany(600)* Nigeria* Istanbul, Turkey(1200)*
 Rubscvak, USSR(50)
- 1026 Graz-Dobl, Austria(300)* Linz-Kronstorf, Austria(300)* Tabriz, Iran(100)*
 Tel Aviv, Israel(200)* Pery, Mozambique(50) Hadija, Nigeria(50) Vigo, Spain(10)
 Pibor Post, Sudan(50) TomsK, USSR(200)
- 1035 Matruh, Egypt(1000) Lisboa, Portugal(120)* Kibaha, Tanzania(100)
 Tallinn, USSR(500)* Sanaa, Yemen(1000)
- 1044 Herat, Afghanistan(100) Vasiliko, Cyprus(100) Beyla, Guinea(50)
 Dresden, E. Germany(1000)* Thessalonika, Greece(150)* Voi, Kenya(100)
 Sebaa-Aioun, Morocco(300)* Beira, Mozambique(100) Kahramanmaras, Turkey(50)
 Tbilisi, USSR(200)*
- 1053 Droitwich, Great Britain(150)* Start Point, Great Britain(100)* Tripoli, Libya(50)
 Tangier, Morocco(600)* Maiduguri, Nigeria(50)* Iasi, Romania(1000)*
 Kurgan, USSR(50)* Svobodnyi, USSR(50)
- 1062 Kalundborg, Denmark(250)* Abu Zabal, Egypt(100)* Neghelli, Ethiopia(100)
 Conakry, Guinea(100) Nharra, Guinea-Bissau(100)*? Norte, Portugal(100)*
 Diyarbakir, Turkey(300)* Andijan, USSR(50) Iochkar Ola, USSR(50)
 Kerman, Iran
- 1071 Brest, France(100)* Lille, France(100)* Montpellier, France(100)* Wau, Sudan(200)*
 Tartus, Syria(60)* Ustkamenogorsk, USSR Riga, USSR(60)* Mostar, Yugoslavia(50)*
- 1080 Abadan, Iran(600)* Mombasa, Kenya(100)* Ajedabia, Libya(40) Minna, Nigeria(50)
 Kyzyl, USSR(500) Koper, Yugoslavia(200)*
- 1089 Durrës, Albania(150)* Bouar, Central African Republic(100) Haboko, Comoros(50)*
 Orfordness, Great Britain(500)* Krasnodar, USSR(300)*
- 1098 Ouargla, Algeria(40) Bratislava, Czechoslovakia(1500)* Zabol, Iran(200)
 Bologna, Italy(60)* Alma Ata, USSR(150)
- 1107 Kabul, Afghanistan(1000) Douala, Cameroon(100)* Batra, Egypt(1000)*
 AFN, Munich, W. Germany(40)* Four other AFN outlets, W. Germany(10 kw each)*
 Meru, Kenya(100) Madrid, Spain(25)* Moghilev, USSR(100)* Kaunas, USSR(150)*
 Novi Sad, Yugoslavia(150)*
- 1116 Citega, Burundi(300)* Ermoupolis, Greece(300) Bandar Lengeh, Iran(250)*
 Bari, Italy(250)* Korhogo, Ivory Coast(100) Ouarzazate, Morocco(100)*
 Kanty Mansiisk, USSR(50)
- 1125 Houdeng, Belgium(150)* Stara Zagora, Bulgaria(500)* Cape Greco, Cyprus(250)
 El Beida, Libya(500)* Niamey, Niger(100) Vyborg, USSR(150) Pazin, Yugoslavia(200)
- 1134 Sulaibiyah, Kuwait(750)* Nampula, Mozambique(50) Sevilla, Spain(25)*
 Troitskoe, USSR(50) Beograd, Yugoslavia(1200)*
- 1143 Les Trembles, Algeria(40)* Capo Vaticano, Italy(65) Westport, Ireland(50)
 Stuttgart, W. Germany(10)* Bremen, W. Germany(5)* Warri, Nigeria(50)*
 Adana, Turkey(100) Manavgat, Turkey(100) Mardin, Turkey(100) Dushambe, USSR(150)
 Kaliningrad, USSR(150)* Nova Gradiska, Yugoslavia(100)
- 1152 Tabriz, Iran(100)* Akure, Nigeria(50) Cluj, Romania(950)* Bosaso, Somalia(50)
 Al Nakhl, United Arab Emirates(100)
- 1161 Biala Slatina, Bulgaria(150)* Vaasa, Finland(100) Tanta, Egypt(200)*
 Strasbourg, France(300)* Dushambe, USSR(1000)* Matadi, Zaire(50)*

- 1170 Les Trembles, Algeria(40) Erfurt, E. Germany(20) Kalabar, Nigeria(50)
Guriat, Saudi Arabia(50) Ras Al Khaymah, United Arab Emirates(50)*
Lutsk, USSR(100)* Maikop, USSR(50) Moghilev, USSR(1000)
Beli Kriz, Yugoslavia(50)* Reichenbach, E. Germany(4)* |
- 1179 Buea, Cameroon(100) Thessalonika, Greece(100)* Delimara, Malta(600)
Bacau, Romania(200)* Quelimane, Mozambique(50) Horby, Sweden(1200)*
- 1188 Kortrijk, Belgium(150) Szolnik, Hungary(1000)* Teheran, Iran(1000)*
Tullamore, Ireland(10)* Hiswa, S. Yemen(200)
- 1197 Munich, W. Germany(300)* Mali Town, Guinea(50) Arbil, Iraq(50)* Minsk, USSR(50)*
Alexandria, Egypt(10)*
- 1206 Mazar I Sharif, Afghanistan(500) Bordeaux, France(300)* Haifa, Israel(100)*
Nakuru, Kenya(40) Tarfaya, Morocco(100) Inhambana, Mozambique(50)
Wroclaw, Poland(200)* Sanaa, Yemen(60)*
- 1215 Lushnje, Albania(500)* Sebele, Botswana(50) Washford, Great Britain(60)*
Delimara, Malta(600)* Tahoua, Niger(300) Arusha, Tanzania(50)* Onsk, USSR(100)
Hiswa, Yemen(200)
- 1224 Vidin, Bulgaria(1000)* Mocimboa, Mozambique(50) Keetmanshoop, Namibia(50)
Ziguinchor, Senegal(20)* Zaragoza, Spain(25)* Oestersund, Sweden(600)*
Djambul, USSR(150)
- 1233 Liege, Belgium(50)* Capo Greco, Cyprus(600)* Praha, Czechoslovakia(750)*
Mombasa, Kenya(100) Tangier, Morocco(200)* Al Kharish, Qatar(100)
Dargan Ata, USSR(50)
- 1242 Bujumbura, Burundi(100) Puumala, Finland(45)* Vaasa, Finland(600)*
Marseille, France(300)* Jazireh Serri, Iran(400) Kiev, USSR(150)*
|
- 1251 Balatonszabadi, Hungary(500)* Tripoli, Libya(500)* Dubai, United Arab Emirates(50)
- 1260 Garoua, Cameroon(20) Rhodes, Greece(500)* Zabal, Mozambique(50)
Windhoek, Namibia(100) Szczecin, Poland(160)* Ustkamenogorsk(100)
Vatican City(50)*
- 1269 Neumunster, W. Germany(600)* Kuwait(100) Oguzeli, Turkey(50)
For Fakan, United Arab Emirates(50) Novi Sad, Yugoslavia(750)*
- 1278 Kabul, Afghanistan(100)* Turku, Finland(45) Strassbourg, France(300)*
Kermanshah, Iran(100)* Ulianovsk, USSR(100)* Odessa, Ukraine(150)*
- 1287 Ceskoslov, Czechoslovakia(1500)* Tel Aviv, Israel(100)*
- 1296 Gibraltar(50) Tumbo, Guinea(50)* Orfordness, Great Britain(500)*
Kandahar, Afghanistan(1000)* Medinah, Saudi Arabia(50) Sennar, Sudan(1500)*
Dushambe, USSR(1000)
- 1305 Constantine, Algeria(40)* Aya Marche, Belgium(50)* Rzeszow, Poland(300)*
Dakar, Senegal(50)* Tomsk, USSR(150)
- 1314 Babela, Guinea(50) Pisa, Italy(50)* Stavanger, Norway(1200)*
Costanza, Romania(50)* Timisoara, Romania(50)* Valencia, Spain(25)
Sadiyat, United Arab Emirates(750) Stavropol, USSR(500)* Skopje, Yugoslavia(100)*
- 1323 Constantine, Algeria(40) Zyyi, Cyprus(200)* Naven, E. Germany(1000)*
Bukhara, USSR(100) Guriev, USSR(100) Kandalakcha, USSR(100) Nebit Dag, USSR(100)
- 1332 Teheran, Iran(100)* Roma, Italy(300)*
- 1341 Canary Islands(20)* Faranah, Guinea(100) Lakihegy, Hungary(300)*
Magwa, Kuwait(200)* Ulster, Northern Ireland(250)* Quahigouay, Upper Volta(100)*
- 1350 Nancy, France(100)* Nice, France(600)* Nouakchott, Mauritania(50)*
Yerevan, USSR(500)*
- 1359 Tirana, Albania(50)* Abecher, Chad(100) Berlin, W. Germany(250)*
Solent, Great Britain(1)* Abidjan, Ivory Coast(50) Figueras, Spain(1000)
- 1368 Isle of Man(4)* Bandarfarahnaz, Iran(200) Milano, Italy(20)* Napoli, Italy(20)*
Venezia, Italy(25)* Beninillal, Morocco(50) Biala Podlaska, Poland(60)*
Krakow, Poland(60)* Lidzbark, Poland)* Slupsk, Poland(60)* Wielun, Poland(60)*
Zielona Cora, Poland(60)* St. Louis, Senegal(40)* Tenkodoco, Upper Volta(30)
Novosibirsk, USSR(600)*
- 1377 Lille, France(300)* Kamasi, Ghana(50) Cuekedou, Guinea(50)
Alhoceima, Morocco(40) Sandlane, Swaziland(50)* Mwanza, Tanzania(50)
Lutsk, USSR(50)* Tchernovtsk, USSR(50)*
- 1386 Athens, Greece(300)* Labe, Guinea(50) Ahwaz, Iran(400)* Vaduz, Liechtenstein(500)
Various, Spain?* Kaunas, USSR(1000)
- 1395 Lushnje, Albania(1000)* Lopik, Holland(500) Oyo, Nigeria(50) Ezyon, Israel(50)
Malaga, Spain(100)* Achinskoe, USSR(150)
- 1404 Helsinki, Finland(300) Rouen, France(100)* Conakry, Guinea(400)*
Komotini, Greece(50)* Rasht, Iran(200) Ogoja, Nigeria(50)

- 1413 Various, W. Germany(low power) Masirah Island, Oman(1200)* Huelva, Spain(100) Volgograd, USSR(50)* Arusha, Tanzania(50) Pristina, Yugoslavia(1000)*
- 1422 Algiers, Algeria(40)* Saarbrucken, W. Germany(1200)* Kermanshah, Iran(100)* Bonadi, Nigeria(50) Ordu, Turkey(50) Valmiera, USSR(50)*
- 1431 Djibouti Town, Djibouti(600) Skive, Denmark(70)* Dresden, E. Germany(250) Montemorvelho, Portugal(100) Bamako, Mali(100)* Krivoi Rog, USSR(500)*
- 1440 Bangui, Central African Republic(100) Marnach, Luxembourg(1200)* Jalingo, Nigeria(50) Damman, Saudi Arabia(1600) Nigoma, Tanzania(100) Carsamba, Turkey(100) Uralsk, USSR(50) Kraljevo, Yugoslavia(100)*
- 1449 Bafoussam, Cameroun(100)* Berlin, W. Germany(5)* Various, Great Britain(low power) Bandar Shah, Iran(400) Golfo Baratti, Italy(300) Jeddah, Saudi Arabia(500) Kishinev, USSR(50)*
- 1458 Lushnje, Albania(500)* Dessie, Ethiopia(150) London, Great Britain(50)* Siquiri, Guniea(40) Mayotte(100)* Ezyon, Israel(50)* Gao, Mali(200) Constanza, Romania(100)*
- 1467 Isfahan, Iran(100) Monte Carlo, Monaco(1000)* Karasburg, Namibia(50) Mbeya, Tanzania(100) Kiev, USSR(300)*
- 1476 Wien, Austria(1200)* Cotonou, Benin(50)* Mpiaka Brazza, Congo(50)* Kindia, Guinea(100) Potiskum, Nigeria(50) Barcelona, Spain(25)* Dubai, United Arab Emirates(600)* Lvov, USSR(120)*
- 1485 Low Power Channel, 2 kw or less
- 1494 Bastia, France(50)* Rhodes, Greece(50)* Leningrad, USSR(1000)* Abidjan, Ivory Coast*?
- 1503 Bushehr, Iran(100) Stargard Szczecinski, Poland(1000)* Kismaio, Somalia(50) Bilbao, Spain(25)*
- 1512 Antwerp, Belgium(600)* Chania, Greece(50)* Kigali, Rwanda(100) Jeddah, Saudi Arabia(1200) Leo, Upper Volta(50) Aktiubinsk, USSR(100) Pristina, Yugoslavia(100)* Urumqi, China(500)*
- 1521 Pointe Noire, Congo(100)* Kosice, Czechoslovakia(600)* Bandarfarahnaz, Iran(100) Nouakchott, Mauritania(50) Duba, Saudi Arabia(2000) Djedeida, Tunisia(100)
- 1530 Praia, Cape Verde Islands(100) Gitarama, Rwanda(50) Gizan, Saudi Arabia(1000) Anadyr, USSR(50) Vatican City(450)*
- 1539 Mainflingen, W. Germany(700)* Medinah, Saudi Arabia(50) Sharjah, United Arab Emirates(50)
- 1548 IBA locals, Great Britain(low power) Kuwait(100) Vinnitsa, USSR(1000)*
- 1557 Nice, France(300)* Cyclops, Malta(600)* Kaunas, USSR(75)* Antakya, Turkey(50) Osijek, Yugoslavia(50)*
- 1566 Aplahouse, Benin(100) Bandar Abbas, Iran(100) Sarnen, Switzerland(300)* Sfax, Tunisia(1200)* Leningrad, USSR(60)*
- 1575 Neubrandenberg, W. Germany(500) Bari, Italy(200)* Porto, Portugal(10)*? Sharjah, United Arab Emirates(50)*
- 1584 Low Power Channel, 2 kw or less
- 1593 Langenberg, W. Germany(800)* Isfahan, Iran(100) Irkutsk, USSR(50)
- 1602 Low Power Channel, 2 kw or less

Sources: IRCA Foreign Log, Volume 6; Medium Wave Circle; Dario Monferini; New Zealand DX Radio League; Sweden Calling DXers; World Radio-TV Handbook; Arctic Radio Club.



NINE KILOHERTZ FREQUENCY TESTS

Broadcast Engineering magazine reported in their February 1978 issue that a "noticeable 1 khz bea." was noted between KNX-1070 and 1ZB-1071 along the California coast during the 12/77 frequency tests and that more such tests are planned for 3/78. In the same story, the magazine said, "reports have been received of interference to a Class IV station on 1400 on Savannah due to a station on 1403 khz in Africa (guess who!! -ed). The commission is interested in receiving additional reports of off-frequency interference from stations in Asia, Africa, or Europe. (They already know of the interference from Central and South America)." Considering all the co-channel interference on 1400, I'm suprised they're all that concerned about Conakry QRM. It's too bad the FCC doesn't want to know about co-channel interference from Asian stations (i.e. JOUB wiping out KOB, etc.). I'd write them a book about how stations in Japan, China, and Australia degrade my ability to enjoy WLS, WCCO, WJR, etc. at 3 A.M. during the fall months, and I will be very glad when those stations move off channel, hi. (Portzer, WA)

I was able to tune into the tests between 1ZB and KNX. 1ZB s/off at 1105 after the network program "The Tonight Show". 1ZB's carrier was left on and at 1108 the following announcement was heard "This is ZL1ZB, Auckland, New Zealand, on 1071 khz." 10 minutes later they returned to 1070 announcing this frequency and from then on alternated between these 2 frequencies giving announcements as well. This continues for well over an hour (till I s/off to bed, at 1 A.M., local time). The same pattern continued the following night. Both evenings KNX was heard very weak strength through 1ZB's open carrier, and 2RG was also present, though not so noticeable when 1ZB moved to 1071. I phoned Radio New Zealand the following day and reported 1ZB on 1071. A card was received with a letter from R. Hadden, Transmission Superintendent, stating, "Enclosed is acknowledgement of reception of 1ZB on 1071 khz. The purpose of this test was to ascertain the extent of interference likely to be caused in areas of fringe reception when medium wave frequency stations adopt the 9 khz spacing whilst North American stations remain on 10 khz. Radio 1ZB will move to 1080 next year (1978)." (Allchin, New Zealand)

ATLANTIC AND PACIFIC ODYSSEY

Gene Martin

Every year on November 10, there are 13 hours, 52 minutes of night on Denver's latitude, 40°N. Halfway point between Denver's Sunset and Sunrise that night comes at 11:44 pm MST, 0644 GMT. Lisboa, Portugal is 9° W of Greenwich (really in the wrong time zone). Komsomolsk-na-Amure, Siberia is 138° E of Greenwich. Denver is 105° W, so in terms of solar-sundial time, which is what counts in radio reception, Denver is 6.4 hours west of Lisboa and about 8 hours east of Komsomolsk. The question is whether you need a night 6.4 plus 8 hours in length to find these two stations overlapping at some point between, such as Denver? On 11/10, WWV put out the A index at 4 and the K index at 3, and I set out to explore the question. The results, as heard on 665 kHz:

The last trace of Lisboa audio noted here came at 0733 and for about 20 minutes afterwards it could be detected only by BFO oscillator, a whistle from the northeast. The first trace of Siberia was found 0740, only via the BFO, a whistle from the northwest. The first Siberian audio received was not heard until 0811 and was too weak to be analyzed as to what it was. There was merely noise on the carrier. At 0824, the Siberian audio could be recognized as musical, but only the shrillest notes rose above the swish. At 0824 the Siberian audiowas recognizable as a man singing, but again, only the highest notes were above the slush. During the period of departure for Lisboa and arrival for Komsomolsk, there were times when both carriers faded out to the point where even the BFO could not locate them.

The audio portions from the two stations never overlapped on 11/10. The carrier-only portions overlapped in the area of 15 minutes. The first Siberia trace occurred at about 4:40 pm, Komsomolsk solar time. If the A&K indices someday give us a break, the audio portions may begin overlapping in December. By December 10, there are 14 hours, 35 minutes of night on 40° N. Longest night of the year, winter solstice, is only five minutes longer.

While the overlapping of Atlantic and Pacific transmissions is only a minor part of the DXers experience today, after November 1978 it will become important, as nearly all TPs join the TAs on the same frequencies. Thus, this Atlantic and Pacific Odyssey looks to the future and the great DXing experiences to come for the U.S. international DXer.

NEW ZEALAND BROADCASTING CORPORATION



STATION 1YZ

Location: RCTCRUA, NEW ZEALAND.

Time: 8.10PM Date: 14 MAY 1968

Freq.: 850 KC Power: 10 KWS

Thank you for your report on this station's transmission. On checking against our log we are pleased to verify your report.

[Handwritten signature]
 Manager

Pan American Loggings

- 525 at COSTA RICA, Cartago, TICAL, man in SS weak 0345 7/24. (Connelly, MA)
 a *Bombing in by 0533 10/8 w/many IDs, slogan at 0600: "Ahora y siempre...Rumbos".
 OM announcer & slow Latin mx. (Baskind, MS)
- 526 COSTA RICA, Cartago, TICAL, here & 100% readable on a night when there was
 strangely no noise to be heard below the BCB, 10/19 around 0300. (Hutton, GA)
- 527 a COSTA RICA, Cartago, TICAL, putting a hunky-dory signal 2/4 around 0240.
 Actually, in the past few weeks my winter cx here have started to fall apart &
 this is no longer a regular. (Baskind, MS)
- 527.4 ? UNID, audio noted just at the noise level 0541 1/28, sounded SS but virtually
 unreadable. 527382 Hz at 0541 & 527384 at 0545. With that drift & frequency,
 probably Costa Rica. (Hall-Patch, BC)
- 529 COSTA RICA, Cartago, TICAL, noted 0607 10/16 w/tropical mx & announcement by man
 in low deep voice (sounded like the "cola-nut" guy), similar announcement 0614.
 Finally IDed 0914 w/spot ending "...on Cartago.", then "R. Rumbos" ID & TC
 0915. (Beverage, CA)
- 535 GRENADA, St. George's, 10/15 2334-0005 fair w/fading, international nx in EE by
 YL, sports, announcements, 2345 talk on hunting in Trinidad, 2 men, 2353 inter-
 view program, fishing industry in some town, went through hour without a
 break. (Curtis, VT)
 +Fair w/woman in EE leading list of dedications to people in the area 0154 10/18.
 (Connelly, MA)
 +Low audio but fine signal 10/18 w/West Indies etc nx 2332-2350 then YL w/time
 & "This has been nx from R. Grenada." (Allinson, NC)
 +2340 10/31 nx show ending w/headlines, followed by ID & local events calendar.
 Poor signal, much noise. (Dunn, NS)
 +Good w/R. Grenada song list ("Pick of the Pops") read off; "R. Grenada" ID, then
 reggae mx 0038 12/4. (Connelly, MA)
 +Carrier very weak, audio unreadable 12/17 0230. (Townshend, DC)
 +0045-0200 2/15 religious talk to 0113 hymn, then YL & OM announcers & good
 "R. Grenada" ID, poor-fair, still in at 0200. (Curtis, VT)
 +Poor w/muffled EE talk by man 0030 4/7. (Connelly, MA)
- 535 ? UNID, weak carrier heard here 0515-0544 12/21. There was some very weak audio
 0570 for some 2 1/2 minutes when I heard some Christmas mx. Looped toward the
 Caribbean area. (Block, OR) (Grenada?--b.t.)
- 540 COLOMBIA, Bogot4, HJKA, 1/12 0730 good w/SS mx & RCN IDs. (Kramer, IL)
 +Fair o/Other SS LA's: Latin-style version of Beethoven's "Für Elise", then
 "Horizonte" ID followed by electronic organ mx 0425 2/6. (Connelly, MA)
- 540 DOMINICAN REPUBLIC, Santo Domingo, HICN, good signal 0500 12/3 w/"A-B-C" ID,
 s/off w/anthem 0503. Easily separable from XEWA/WDAK-540 w/loop. (Feltman, PA)
 +Heard w/political ads (presidential) 0850 4/9 fair & alone. (DDC, MS)
- 540 ECUADOR, Guayaquil, HCFA2, 12/21 1030 in quite well w/SS spots & "R. Tropicana"
 ID. (Kramer, IL)
 +12/31 0755 in during a most welcome KNOE/XEWA-540 SP (a late Christmas present
 I'm sure). Many "Tropicana" IDs all alone save for a weak WDAK (in null).
 Fair. (Baskind, MS)
- 540 MEXICO, San Luis Potosí, S.L.P., XEWA, 9/21 0353 in good w/SS bank ad //900.
 (Bixby, CA)
 +0433-0438 LA mx, SS talk by OM & YL, fair signal o/CBEF-540 10/10. (Wolfish, ON)
 +10/17 0800-0815 easy listening mx w/male announcer weak. (Lawrence, SK)
 +Good & clear in SS w/soft mx 0543. (Allchin, NEW ZEALAND)
 +Excellent w/ranchera mx & OM SS announcer interviewing another OM about his
 trip to Argentina 1208-1228 12/10. (Gerardi, IL)
 +0610 12/24 XEW relay, SS good telephone conversation was sounding more like
 PTT than broadcasting. (Beauregard, QU)
- 540 NICARAGUA, Managua, YNOW, 11/17 0206 w/baseball or similar game coverage. A
 bit confused about jingle...sounded like "R. Nacional". Noted subsequent
 nights. (Baskind, MS)
 t +Probably the SS noted in passing w/good signal 1005 12/26. (Portzer, WA)
 +Fair 1030 1/2 w/ID, beer ad, mx. Slight QRM from CBT-540! (Lazar, WI)
 +1/11 1112 good w/"R. Corporación" ID. (Kramer, IL)
 +Atop w/SS talk, mostly about Nicaraguan affairs 0413 3/5. (Connelly, MA)
- 545 DOMINICA, Roseau, good w/Caribbean dance-style instrumental 0145 7/24. Disco
 rock, then FF "R. Jumbo" ID good 0208, also 7/24. (Connelly, MA)

+In w/American recording 0055 9/12. Good signal, but some sharp fading.
(Wood, NY)

+In w/incredibly strong signal, occasional OC between mx 0215 10/5. (Everitt, OK)

+Good w/man & woman in FF 2254 10/8. (Connelly, MA)

+Big signal, sounded almost like local, 10/10 0032. Slow singing ID 0100. OM & YL announcers were kidding around a lot. (Baskind, MS)

+Latin mx strong 10/16 0138. (Townshend, DC)

+0959 10/16 weak audio noted here in 550 splash. A slow moving orchestral piece, then YL talking. Talk was too murky to tell what was said, but could have been "vous accutez R. Jumbo". Good carrier, no audio 1001 10/17. (Hall-Patch, BC)

+Nothing unusual except super strong signal that was even better than locals 10/17 w/usual fare of FF/EE vocals & reggae type rr 2340-0000. s/off by YL 0009 after nx. (Allinson, NC)

+Good w/reggae 0153 10/13. Good w/FF talk & jingle 2232 10/21. (Connelly, MA)

+0100 10/19, FF, could just barely hear pop mx, excited DJ coming in around WGR-550 very poor. (McClenaghan, ON)

+FF pops, ads, ID: good level 10/25. (Ronda, OH)

+Good w/FF talk 2317 10/28. (Connelly, MA)

+Good, weak, pop mx (top 40); almost nonstop mx 2347 10/31. (Dunn, NS)

+0155 11/4 fair w/FF singing. (Poda, OH)

+Good w/FF talk mixed w/Latin style instrumentals 0112 11/9. Blasting in like a local w/EE reggae 0019 11/11. (Connelly, MA)

+Logged 0045 w/request & dedication program. Local WGR-550 had been knocked off the air for a couple of minutes. (Stanbury, ON)

+11/21 0045 fair w/mx, poor 0055 w/FF talk. (Poda, OH)

+0130-0145 12/3 weak w/US pops, tropical mx. (Toner, CA)

+Lead w/reggae mx 0030 12/4. (Connelly, MA)

+12/19 0111-0132 w/pop style mx. Announcer possibly in FF. Strong steady S5 through KOY-550 slop. (Hanavan, CA)

+Lead w/FF talk by man 0036 12/21. (Connelly, MA)

+FF rock mx noted in passing 1007 12/26. (Portzer, WA)

+Rock mx & FF announcer strong w/slight het from USSR-548 1016 1/2. (Portzer, WA)

+Good w/slight WKRC-550 slop 1018 1/2 w/FF reggae mx. One EE disco song & a James Taylor song also heard. (Lazar, WI)

+Noted w/great signal 1002 1/2 easily rivalling CKPG-550. ID by OM in FF 1015. (Oliphant, AB)

+Best ever 1020 1/2 w/lively jumping mx, heavy on percussion (drums, etc.). (Peterson, CA)

+0040 1/3 fair mx & FF talk. 0045 drum beat & man talking, different letters but doubt it was the call sign, "Dominica" heard. (Poda, OH)

+Definitely off 0154 1/13. Is this station supposed to be going off for good soon, as per some DX bulletin rumours? (Connelly, MA)

+Conspicuous by its absence for the last several weeks. (Thomas, FL)

+Is soon expected to leave the air. (MWN 3/78)

+Noted back on w/usual programming 0322 5/19 and for about 3 days after that. Not noted since, so I wonder if the transmissions were only tests. (Thomas, FL)

545 ? UNID, fair-poor TT 0702 taking occasional deep fades, carrier off 0705 10/20. (Bixby, CA) (Probably Jumbo--ed.)

550 CUBA, Pinar del Rio, CMAN, good //630/640 w/SS talk about Central American countries 0616 10/30. (Connelly, MA)

+Good 0625 12/4. (Connelly, MA)

+SS talk by male announcer, Latin mx, momentarily broke out atop pest WGR-550. Fair 12/10 0033. (Townshend, DC)

550 JAMAICA, Montego Bay, RJR, phone-in show 0507 9/30 w/a lot of 50's oldies mixed in & Dick Sumner a.k.a. Jonathan Livingston Seagull a.k.a. Rod McKuen type two-bit philosophy before some calls. (Allinson, NC)

+//770 etc. 0714 4/9. (DDC, MS)

+Good o/ Cuba 5/6 0241-0310 w/call-in show "On the Town" & mx by the Mighty Diamonds. Many RJR promos. (Nelson, NC)

550 ? UNID, SS //570, fair 0955-1025 12/9, o/KSD-550 w/no trouble w/fast-talk ads & announcements, tropical mx (heavy on the xylophone & castenets), fast-talk OM announcer, but no IDs or jingles could be heard. (Gerardi, IL)

555 NICARAGUA, Chinandega, YNS, 1/11 presumed w/mournful Latin mx, SS & mentions of Nicaragua at 0030. No call heard. Poor, fade out at 0038. (Thomas, FL)

555 ST. KITTS, Basseterre, ZIZ good w/lottery drawing - sound of drum being turned, numbers read in EE, prizes of \$25 announced 0041 8/7. (Connelly, MA)

+Excellent signal w/no trace of usual WIS-560 pest at all 9/24 0237. Super Hit Parade Top 40 Countdown in progress w/spots for "Lenny's Disco." Armchair signal till 0334 w/religious type YL s/off. (Allinson, NC)

+Very good w/mushy modulation & reggae mx in light slop 0213 10/5. (Everitt, OK)

+Fair w/woman in Caribbean EE, then mx 2234 10/21. Fair w/calypso style mx 0152 10/18. (Connelly, MA)

+Poor w/reggae mx weak & interference from CFNB-550 2350 10/31. (Dunn, NS)

+0200 11/4 poor, EE, 6 pips on the hour, last pip slightly longer, then into BBC nx. (Poda, OH)

+ "Goodnight My Love" on a Top 40 program 11/12 0236. Weak, slight WGR-550 slop. (Townshend, DC)

+Best ever 11/23 w/YL & OM taking phone calls & dedications & reading salutes interwoven w/instrumental version of "I Feel Love" 2146. Nx headlines 2155, then program w/Mark Phillips 2200. (Allinson, NC)

+Fair-good w/BBC-style nx 2311 12/3. (Connelly, MA)

+Fair w/festive Caribbean mx 0035 12/21. (Connelly, MA)

+0410-0502 12/24 Caribbean type mx w/fast talking & talkative DJ in EE. Fair to poor, fast mx w/heavy beat. Mention of Basseterre at TC "one minute past one". (Curtis, VT)

- +0830 12/24 poor. Lively Caribbean-type mx. (Poda, OH)
 - +Loud w/soul show, DJ in EE, then O Jays record 0153 1/13. (Connelly, MA)
 - +Very good w/light festive Caribbean vocal mx, then EE announcer o/WGAN-560 slop 0230 2/5. (Connelly, MA)
 - +Noted grovelling in bad powerline buzz. man & woman in EE 0140 2/16. (Connelly, MA)
 - +Good w/BBC nx 0206 3/15. (Connelly, MA)
 - +Good w/calypto mx 0141 3/19. (Connelly, MA)
 - +Fair-good w/Caribbean mx 0143 4/2. (Connelly, MA)
- 560 JAMAICA, Kingston, JBC, R.1 w/soul //770 etc. 0707 4/9 poor u/WQAM-560. (DDC, MS)
- 570 CUBA, Santa Clara, CMHI, noted //600 w/RR-SS language lessons by man & woman o/other stns 0040 12/6. (Connelly, MA)
- +Sports event w/male announcer in SS fair u/WGMS-570 12/22 0214. (Townshend, DC)
- +1/2 0940 good w/SS talk. (Kramer, IL)
- +In w/ mess of others w/female SS vocal //600/640 0416 3/5. (Connelly, MA)
- +//600 w/SS talk about workers 0427 5/6. (Connelly, MA)

570 VENEZUELA, Villa de Cura YVLX, rising above interference hodge-podge w/"R. Rumbos" ID 0320 10/19. (Connelly, MA)

570 ² UNID, SS //530 but much weaker u/WPAA-570. No sign of Cuban on this frequency, loop suggests Central America. Any ideas? (Gerardi, IL)

575 COSTA RICA, San José, TIXE is now here with 30 kw, ex 625. Hours are 1100-0500. Radio Cucú is now on 625 ex 575, from 1130-0500. (WRTH Newsletter)
- +Has taken over this frequency from Cadena Nacional's R. Cucú. First noted 0300 8/12. Much better 8/13 w/easy copy past 0330. In addition DXers should watch for further ID shifts on approximately 8 other RCN channels. (Stanbury, ON)
- +0335 SS DJ w/talks, CA tunes, hot on frequency; fair signal making it through local WGMS-570 slop 9/10. (McNeil, DC)
- +Excellent signal in slight 580 slop 0210 10/5. (Leveritt, OK)
- +10/6 fair at 0225 w/"Omega...575" ID used dozens of times. Now a regular here. (Baskind, MS)
- +Loud w/ID 0458, then SS mx, OC 0500 10/8. (Connelly, MA)
- +Now the most consistently heard Central American signal here. Also very strong in the midwest according to SWNS correspondent Jack Widner. (Stanbury, ON)
- +0317-0323 Latin American mx, SS talk, fair, 10/8. (Wolfish, ON)
- +0320 10/8 SS, Latin mx, very short DJ talk. (McClonaghan, ON)
- +Omega trying to get itself IDed w/rhythmic Latin mx, OM talking & apparent commercial 0352 10/9. No ID, though, too much KVI-570/KFKD-580 slop. (Hall-Patch, BC)
- +Finally got this w/faint ID 0400 10/26 but I was rewinding my tape at the time, sigh. Nil-poor audio in KVI-570 splash, seemed to play SS pops after 0400. This puts a fair to good carrier out most nights but audio is rare. (Hall-Patch, BC)
- +Good w/uptempo SS vocal, "Omega" ID 0423 10/26. (Connelly, MA)
- +Good w/slow SS vocal 0400 10/30. (Connelly, MA)
- +11/20 0201 fair w/"A Summer Place" & other mx & SS talk. Fade at 0210. Also 11/21 0055 fair w/mx. (Poda, OH)
- +Fair 1/7 0240 w/"Omega" IDs between songs. (Lazar, WI)

575 ² UNID, weak carrier noted here in KVI splash 0331 9/22 looping to Central America Very poor audio 0334 sounded like song in EE, "Dream Weaver", but hard to tell. Costa Rica most likely. (Hall-Patch, BC)
- +Unfamiliar language, not SS looping SE (i.e. eastern Caribbean/NE S. America), male & female announcers; too far S. for a TA, too far E for Central America, 0017 11/11. (Connelly, MA)

580 CUBA, Baracoa, CMKF, atop growl w/"R. Rebelde" ID, Latin mx //600 0358 10/30. (Connelly, MA)
- +Fair-good w/SS talk //600 0625 12/4. (Connelly, MA)
- +Fair o/other SS; Latin American mx //600/630/640 0639 2/4. (Connelly, MA)

580 JAMAICA, Galina, RJR, w/nightly telephone talk show & pop mx //770 0711 4/9 poor-fair. (DDC, MS)

580 ^t MEXICO, Chihuahua, Chih., XEFI, probably the one w/R. Mexicana ID 0437 4/9 & again w/several R. Mexicana mentions around 0850. 2 R. Mexicanas listed. (Beverage, CA)

580 PUERTO RICO, San Juan, WKAQ totally dominant at potent level; "WKAQ Más Música" jingles, SS talk, male SS vocal 0042 8/7. (Connelly, MA)
- +10/17 fair w/SS song 0210, jingle "WKAQ más música" 0212. No interference, just WMCA-570 splatter. (Mount, NJ)
- +Dominant w/Latin American dance mx & SS talk, ID jingle 0150 10/18. (Connelly, MA)
- +Good w/WKAQ ID jingle & SS talk o/u WTAG-580 0038 12/21. (Connelly, MA)
- +Totally dominant w/fast SS ads, then "WKAQ" ID followed by SS discussion about doctors & malpractice suits 0625 2/5. (Connelly, MA)
- +Fair w/WIBW-580 nulled 3/27 0945 w/nx, TCs about once a minute, "WKAQ R. Reloj" jingles. (Lazar, WI)
- +0944 4/3 w/nx program & many "W-K-A-Q...R. Reloj!" singing IDs. I've been after Puerto Rico since I got my first DXM in 7/77, so I was quite glad to pull this one in at long last. (Baskind, MS)
- +Loud w/fast SS talk by man about economic development & the electric co., then spoken "WKAQ" ID 0429 5/6. (Connelly, MA)

580 ² UNID, very Caribbean accented EE nx 0205; hard to copy in WKBN-570 local splash.

- at 0214 some EE vocals in what seemed to be reggae style; all at poor level; I'd like to think this was Jamaica but wishful thinking is no substitute for a clear ID. 11/7. (Ronda, OH)
- +SS talk & Latin American mx. Fair signal. Could be XEAV (10 kw) or HJHG (50 kw) 12/5 0532. (Townshend, DC) (WKAQ in San Juan, PR, & CMKF also possible--ed.)
- +5/22 sequed island EE mx & US pop 0600-0645. Good till rare ID's then faded into noise. Suspect Jamaica. (Thomas, FL)
- 583 CUBA, R. Rebelde, heard here 0335 9/14 //600. (Stanbury, ON)
- 590 CUBA, San Antonio de las Vegas, CMW, powerhouse signal w/"R. Rebelde, Cadena Nacional" ID 0027 9/12. On top of frequency consistently. (Wood, NY)
- +Usual strong signal, man in SS giving political talk on African affairs 1032 12/9. (Gerardi, IL)
- +Noted on for first time since last fall. Signal bombing in like a local yokel. ID's as "R. Rebelde - Cadena Nacional 4/21 0500. (Townshend, DC)
- +Wasting WEEI-590: SS pop vocal //570/600 0435 5/6. Apparently off at 0543 5/7. (Connelly, MA)
- 590 GUATEMALA, Santa Cruz, TGRQ, IDing as "Mi Radio" & "Onda 5-90" w/ poor-fair signal 0641 4/9. (DDC, MS)
- 590 MEXICO, Hermosillo, Son., XEHQ, 0431 4/9 w/"de HQ" mentioned between songs, plus one mention of Hermosillo. (Beverage, CA)
- 590 MEXICO, México, D.F., XEPH, 2/27 0400 w/ relay of "La Hora Nacional" program & fair signals. (Baskind, MS)
- +Fair through WOW-590 w/nc sign of WRTH-590 3/27 0756 w/TC, "en la Pantera" ID, panther growl between songs. Seemed to s/off at 0800. (Lazar, WI)
- 590 MEXICO, Río Bravo, Tams., XEFD, noted worming through WDLF-590 2/5 0030 w/call letter ID & poor signal. (Baskind, MS)
- 590 PARAGUAY, Villa de San Pedro, Paraguayan newspaper "Ultima Hora: reported on 12/19/77 than R. Youa Mandiyu has been authorized to broadcast here with 5 kw. (Arctic 2/78)
- 590 PERU, Comas, OAXAS, New here is R. Comas. (WRTH Newsletter, Nov. '77)
- 595 DOMINICA, Roseau, Caribbean mx & FF talk 0220 10/5. (Everitt, OK)
- +Carrier heard 0930 10/24 could only be this. (Pryerson, CA)
- +Fair w/reggae 0130, TC as 9:31 by accented EE DJ trying to sound real cool, & into another similar cut 12/7. (McNeil, DC)
- +0004-0018 12/24 fair w/"Santa Claus is Coming to Town" & Christmas mx w/YL announcer in EE. Soon faded way down. No positive ID, but don't see how it could be other than this. (Curtis, VT)
- +Very good w/song by Bread, better audio than usual 0225 1/2. (Everitt, OK)
- +Fair 1/6 0215 w/MoR mx, EE male announcer very difficult to understand but I did hear one mention of "CBS" standing for Dominica Broadcasting System. (Lazar, WI)
- +Good w/slow FF singing, possibly religious in nature, slow fade 0933 1/9. (Everitt, OK)
- +02/29 fair w/nx by OM in EE 1010. Much 590 slop. (Thomas, FL)
- +0930 3/11 loud het, poor voice. Loops SE. TTS ended 0930, then singing & man talking--in EE? At same time only a faint het heard on usually stronger 555 & none at all on 545. (Poda, OH) (545 has been off the air for some time now--ed)
- +3/29 0146-0203 Engelbert Humperdinck & other songs, poor w/moderate interference, ID 0200 & into nx. (Cartwright, PA)
- 600 COLOMBIA Barranquilla, HJHJ, good w/RCN network ID 2318 11/15. (Connelly, MA)
- +12/21 1055 good u/CMKV w/nx, had many mentions of Colombia. (Kramer, IL)
- +Heard w/something about "más potentes de Colombia", dominant 0407 6/3. (Connelly, MA)
- 600 CUBA, San Antonio de las Vegas, CMW, has undoubtedly moved here from 590. Evidence: there is always a SAH here when R. Rebelde programming is audible, despite absence of any other modulation except from Rebelde. This SAH didn't exist here before CMW's disappearance from 590. In addition, on excellent nights to Cuba, a slight reverberation of audio is heard, implying 2 separate, unsynchronized transmitters carrying the same audio on this frequency. In another matter, while listening to a baseball game at 2100 1/19 on Rebelde-600, I heard a number of clear references to CMFW, which appeared to be the feed station for the game, which was originated in Camagüey. The call fits for Camagüey, but none of RFS' lists carry a CMFW in Camagüey or elsewhere. A clear reference to CMH1, Santa Clara, was also heard. This must be the first time in quite a while that call letters have been heard on Rebelde. (Taylor, TN)
- 600 CUBA, San Germán, CMKV, 10/8 0520, //Cuba-640 u/CFCR-600 and poor. (Beauregard, QU)
- +SS talk on R. Rebelde bombing out local WCAO-600. This station is a pest! 10/16 0107. (Townshend, DC)
- +Loud; 590 not noted 0358 10/30. (Connelly, MA)
- +Fair-good o/other Latin Americans w/SS talk //580 C625 12/4. (Connelly, MA)
- +Strong w/language lessons by woman o/second Latin American 0041 12/21. (Connelly, MA)
- +Fair in SS 0848 but o/North American station which I suspect to be KOGO. (Allchin, NEW ZEALAND)

- +1033 1/9 w/fair signal, OM & YL giving what sounded like PP language lessons. (Gerardi, IL)
 - +Loud w/"R. Rebelde" ID, SS talk 0159 1/13. (Connelly, MA)
 - +0625 1/28 got a near total null on CJOR-600 & this drifted up w/YL & OM talking, then some chimes & a YL said "osta es La Voz de Cuba". There may have been another SS there also. (Hall-Patch, BC)
 - +1/30 0500 w/La Voz de Cuba program //CNO-640; super signal w/no CKEY-590 slop. (Brooker, ON)
 - +Good //630/640 0638 2/4. (Connelly, MA)
 - +Clear & loud //570/640 0416 3/5. (Connelly, MA)
 - +Apparently 2 Cubans here w/parallel programming; political talk by man in SS noted; heavy SAH present w/no evidence of second audio 0146 4/2. (Connelly, MA)
 - +Good, SS//570 0427 5/6. (Connelly, MA)
- 600 GUATEMALA, Pueblo Nueva Tiquisate, TGRC, 1038 6/12 o/enfeebled Cuban w/ "R. Campesina" ID, TC, commercials telling us which brand of flour is "más económica" etc. (Baskind, MS)
- 600 MEXICO, Torreón, Coah., XEDN, 4/3 1205, KOGO-600 in rare SP made this one possible w/lots of "XEDN" IDs & ranchera mx. New logging here! (Lobel, CA)
- +Noted w/announcement mentioning "Coronel Doctor Salvador Allende" & Torreón 0425 4/9, then enthusiastic man talking, followed by man & woman talking in SS. "DN on Torreón" ID 0429, then fast talk by man. (Beverage, CA)
- 600 SURINAM, Paramaribo, R. Paramaribo, atop w/East Indian mx, then Hindi talk 0038 6/4. (Connelly, MA)
- 605 ECUADOR, Guayaquil, HCRH2, fair audio 10/19 0310-0337. Readable on peaks only due to WPL0-590 slop; WPL0 puts 3.8 volts onto the Beverage. At times a very low hot of around 20-30 Hz heard but no audio. (Hutton, GA)
- 605 UNID, female vocal, then SS talk, in heavy slop 0419 10/26. (Connelly, MA)
- 610 COLOMBIA, Bogotá, HJKL, overriding low growl w/clear "R. Suceso, RCN" ID 0432 3/6. (Connelly, MA)
- 610 CUBA, Trinidad, CMHV, sports event 2/3 0255. Noteworthy because of level (very good) equalling & //CNKV-600. (Thomas, FL)
- +Heard here 3/6 0333 //590/600. This is the only outlet listed. (Nelson, NC)
- 610 GUATEMALA, Guatemala, TGGN, likely the one here 3/15 0351 w/many mentions of Guatemala at top of hour but no ID heard. Poor o/u various Latin Americans & slight Cuban garbage from 600. (Baskind, MS)
- 610 HONDURAS, Tegucigalpa, HRLP, while WIP-610 faded out, an ID as "R. América" was heard. Good signal 11/23 0501. (Townshend, DC)
- +1/9 1145, good w/SS nx & "R. América" ID. (Kramer, IL)
- +2/1 fair at 0459 s/off w/"R. América" ID & info. (Thomas, FL)
- +Dominant on frequency 3/15 0429 w/fótbol coverage & "Cadena Nacional" mentions by OM announcers. (Baskind, MS)
- 610 MEXICO, Guasave, Sin., XEGS, 0219 2/26 w/mention of "XEGS..." by man, then SS song. Back at 0226 w/ID, "XEGS, R. Alegría, en Guasave", then mx. (Beverage, CA)
- 610 PANAMA, Panamá, HOHM, 3/8 0235, briefly in w/"...en la país de Panamá..." during station promo u/numerous Latin Americans. First Central American country to be heard here...took long enough! (Baskind, MS)
- 610 TRINIDAD & TOBAGO, Port-of-Spain, a new one for me: dominant w/woman in accented EE, then brassy local ad 2313 12/3. Good w/editorial about improving transportation systems between Trinidad & Tobago, man w/ Caribbean accent 0003 12/4. (Connelly, MA)
- 620 JAMAICA, Mandeville, JBC, R. 1 w/reggae //700 etc 0910 4/9 very poor u/Nicaragua (DDC, MS)
- 620 NICARAGUA, Managua, YNM, atop other SS stations w/good "R. Difusión Nacional de Nicaragua" ID 0404 10/30. (Connelly, MA)
- +w/first definite ID I've heard 0007 1/6. Fair. (Baskind, MS)
- +2/6 fair w/MOR instrumental mx. Noted because of "Hail Britannia" lead-in to 0622 "R. Difusión Nacional de Nicaragua" ID & contra WRTH 0600 s/off. (Thomas, FL)
- 620 UNID, 1 or 2 SS stations noted here 1/9 0727-0830 tune-out. SS vocals. 0740 said "R. ---{Super?} {Futura?} Nacional, una espacia de la musica popular." Program name may be "Amores". Second station 0743 sounded like a Libertad (Colombia). Louder, 0753, "R. futura Nacional de --ar--ua" (3 syllables). Later, 0813 said "la música de Colombia, R. S--" (didn't sound like Sutatenza) This probably the other unid. 0817 "La Voz de --- --a --re --mi che(?) (2 words, 2 & 4 syllables). Each time had vocals mostly by males, of slow & medium speed. Not //640/640/720 so doubt Cuba. Strongest when TRF rotated pointed to W of S; QRM from TT'er. Tape available. (Mount, NC) (WRTH lists a "R. Difusión Nacional" in Nicaragua which sounds suspiciously similar to your 0753 ID. Your 0813 ID could be "R. Ciudad de Cali", which WRTH lists as 24 hour & 20 kw.--ed)
- 625 COSTA RICA, San José, TIJC, RCN's R. Cucú has taken over this frequency. First noted 0300 10/30. A couple coccoo IS's were heard poorly, then a clear ID 0356. (Stanbury, ON)

- +4/3 poor w/solemn Latin mx 0625 & frequent "R. Cucú... 'cuckoo'...'cuckoo" IDs. (Thomas, FL)
- 630 CUBA, Santa Clara, CMHQ, demolishing WPRO-630 0407 10/30. (Connelly, MA)
 +Loud w/march mx, SS talk //640; no trace of "local" WPRO-630 0627 12/4. (Connelly, MA)
 +Demolishing semi-local KXOX-630 w/o nulling, w/Ricky Ricardo type mx, SS YL & OM announcers //640 1041 12/9. (Gerardi, IL)
 +Loud w/up tempo Latin male vocal //600/640 0638 2/4. Woman in SS, ultraloud, totally obliterating WPRO-630 0620 2/4. (Connelly, MA)
 +O/u WPRO-630 w/saxophone jazz //640 0248 2/13. (Connelly, MA)
 +Totally dominant o/WPRO-630; SS jazz rock //640 0522 3/4. (Connelly, MA)
 +0735-0740 4/14 SS nx w/YL //640/720 u/WNAL-630. (Wolfish, ON)
 +Atop other SS Latin American who mentioned Bogotá, loud w/violin mx //640 0431 5/6. (Connelly, MA)
- 640 CUBA, La Habana, CNQ, 10/15 0705-0530 many mx selections, mainly guitar, ID as "La Voz de Cuba". KFI interference. (Lawrence, SK)
 +Loud o/other SSers: SS program //630 0407 10/30. (Connelly, MA)
 +Dominant w/mx & talk //630 0627 12/4. (Connelly, MA)
 +Coming in like a local (stronger than on MM's last season), //630, w/"Está es R. Habana Cuba" by YL 1050 12/9, no sign of KFI at all. (Gerardi, IL)
 +12/22 0930 fair w/SS OM & YL nx, mainly on the midwest situation. KFI-640 unexpectedly off this morning. (Bixby, CA)
 +1/16 1025 when I heard this IS at blockbuster levels w/a SS station underneath I nearly flipped out but after what sounded like a NA, I got "...R. Liberación... desde La Habana, Cuba", short IS & into SS mx. Oh well, Guadeloupe some other time, hi. (Korinek, CA)
 +Loud w/sax-jazz //630 0248 2/13. (Connelly, MA)
 +0600 3/4 apparently not on air, same for 670 a.s.c. But Cubans on 600/630/690/720 & possibly 870 as I heard the ringing bells ID at 0800. Only thing heard on 640 was a poor KFI & a faint low het. (Poda, OH)
- 640 GUADELOUPE, Pointe à Pitre, well atop YVQO/CBN just after LSS. Woman in FF. FF PepsiCola ad 0030 7/24. (Connelly, MA)
 +Good w/FF talkshow, woman host & woman caller at home; something else under w/Calyppo mx 2235 10/21. (Connelly, MA)
 +Former location and ex-employer's signal made this impossible, but in new location a clear reception despite superstrong Cuban QRM. YL in FF 1703-1712, then another YL in FF talking o/Kraftwerk type mx. (Allinson, NC)
 +Good atop mass of other carriers: 50's "rockabilly" type song, then man in FF followed by "It's only Rock'n'Roll" by the Rolling Stones 0111 4/7. Audio "hollow sounding", like a bootleg station. (Connelly, MA)
- 640 t GUATEMALA, Guatemala, TGV, perhaps the station here w/lively Latin mx 1108 10/3 OM & YL announcers & tropical mx 1213, marimba mx 1128. Audio level OK but not readable due to high static level. (Bythewell, WA)
 +0510 10/20 SS: heard a list of stations by call letters & frequency, then full ID "TGV, la radio Nacional de Guatemala", into LA mx. (McClenaghan, ON)
 +Lots of patriotic SS talk, EE ID w/schedules & frequencies 0227; IDs as "R. Nacional de Guatemala"; good o/CMQ-640 10/25. (Ronda, OH)
 +11/6 0455 w/basketball game, "R. Nacional" IDs, SS ID 0532 was followed by an EE ID w/frequencies for SW & FM included. (Baskind, MS)
 +Increased power to 100 kw. (NRC)
 +Noted OM intoning SS o/mx in KFI null 0557 4/7. No slogan ID, but a few runs through the QF-2 filter yielded "seis mille ciento ochenta kilohertz onda corta" which is TGV's SW // frequency. Signal fair-nil w/some KFI QRM. (Hall-Patch, BC)
 +Blasting CMQ 3/8 0213. Traces of this powerhouse have been heard daytime when Cuban not too strong. (Baskind, MS)
- 640 SURINAM, Paramaribo, Radika, dominant & loud w/East Indian style mx, then man in unfamiliar language; audio bassy-compressed-somewhat muffled, 0035 6/4. (Connelly, MA)
- 640 VENEZUELA, Puerto la Cruz, YVQO, 10/13 2254-2320 fair w/fading, Latin mx & lots of ads. "Ondas Porteñas" ID heard clearly, usually first 2 words of each announcement. In again 10/16. (Curtis, VT)
 +SS ID, ads, sports reports; good level o/the Cuban 11/2. (Ronda, OH)
 +Dominant w/many SS ads for businesses in Puerto la Cruz 2317 11/15. (Connelly, MA)
 +O/growl w/SS talk 2316 12/3. (Connelly, MA)
 +Fair w/ Venezuelan mx 0010 1/13. (Connelly, MA)
 +Loud & dominant w/brassy mx & boisterous "Ondas Porteñas" ID 0233 2/5. (Connelly, MA)
 +3/19 0117-0133 Latin mx, good w/slight interference. Two good "Ondas Porteñas" IDs. (Curtis, VT)
 +3/28 strong w/CMQ-640 nulled 3552-56. Turned loop around to maybe hear KFI-640 & this was in w/romantic type vocals, ID 0554. (Cartwright, PA)
 +Dominant w/clear "Ondas Porteñas" ID o/ bad "ticks from Loran C harmonic 0556 5/7. (Connelly, MA)
- 640 ? UNIDS, rapid SAH and mess of low hets & audios here 0906 1/2; Eagles' "Hotel California" faded up 0908 through KIDO-630 sloop, was most likely KFI though Fiji also possible; raucous het by 0909:30 when SS faded up (CMQ most likely). DXing on a Beverage antenna can sure get interesting at times... (Beverage, WA)
- 640.7 ? UNID, Latin American het 0146 10/18. (Connelly, MA)
- 640.8 ? UNID, this carrier noted 0419 10/21 weak but hitting KFI. Cuba? Or is someone else wandering? (Hall-Patch, BC)

- 650 COSTA RICA, San José, TIBAS, good w/"Monumental" ID o/nulled WSM & at least two other SS Latin Americans 0415 10/26. (Connolly, MA)
- 650 CUBA, Santiago de Cuba, CMKU, noted fading in 0300 9/24 w/ID by OM as "R. Liberación". Faded quickly, but was back 0314 for a few minutes of SS talk by OM. (Baskind, MS)
- 650 DOMINICAN REPUBLIC, Santo Domingo, HIAT, dominant w/SS talk about Dominican Republic politics, Joaquin Balaguer mentioned, frequent references to "campesinas" (farm workers) 2323 11/15. (Connolly, MA)
 +0652 4/9 w/"R. Universal" ID, Colombian mx, & plentiful promos. (DuC, MS)
 +Atop w/local ads, ID's as "R. Universal", then pop SS vocal 0514 5/7. (Connolly, MA)
- 650 MEXICO, Los Mochis, Sin., XETNT, 9/10 atop 1236, no KORL. (Kaskey, CA)
 +Dominant 10/18 1320. (Kaskey, CA)
 +Several Los Mochis mentions & "R. Quincero" ID 0254 4/9. (Beveage, CA)
- 650 MEXICO, 1/2 1229. Announcer in SS w/Mexican mx, IDs "esta es...cinco". Would expect XETNT as I think I heard mention of Los Mochis but I believe that would be MST...too early isn't it? (Shugart, CA)
- 650 VENEZUELA, Maracay, YVLH, 11/7 very good at s/on 0900 w/sung national anthem, ID "Buenas Dias", etc. Frequent "R. Visión" IDs between moderate Latin mx. WSM off. (Thomas, FL)
 +Bombing in, alone on channel; fast SS talk, 2 male voices, ad w/telephone number "on Maracay", 2317 12/3. Mention of Maracay loud 0032 12/4. (Connolly, MA)
- 650 UNID, mystery LA noted here w/OM and baseball game commentary. Heard a couple of IDs, but too much noise, and tape held nothing. IDs were w/a piano & bell IS. The slogan was like "...Nacional". Any ideas? This 9/24 at 0225. (Baskind, MS)
 +11/28 0915 fair SS w/WSM OC. ID? and frequency? in SS, then into mx, woman singing and guitars. May have looped SW but hard w/WSM OC on. (Poda, OH)
 +Mexican w/Mexican mx and DJ that talks like Bozo the Clown heard 1245 2/6. Good signal; my guess is XETNT. (Tomer, CA)
- 650 UNID, Something set up a strong het on 650 here, no audio possible in local electrical noise. Seemed to go off 0600 10/24 which points to Colombia. Anybody else notice this? (Hall-Patch, BC)
- 655 EL SALVADOR, San Salvador, YSS, has been ridiculously strong here lately, noted slopping 650 & 660 0138 10/5 w/mild Latin mx. (Everitt, OK)
 +0655 SS; just caught s/off notice, national anthem, then off 10/20. (McClenaghan, ON)
 +Good w/"R. Nacional de El Salvador" IDs after each record 0415-0420 11/19. Played "The Twist" in EE 0417. (Feltman, PA)
 +Operatic mx w/female voice. S-meter reading 2-3. Heard through slight WNBC splash 11/24 0435. (Townshend, DC)
 +11/27 0315 fair, male talk in SS and march mx after each sentence. Loop to S. "R. Nacional" ID 0518 and much marching band mx, fades to poor and very poor 0520. Still on 0525. (Poda, OH)
 +Probably the rapid-fire SS talk w/good signal 0351 12/2. (Portzer, WA)
 +12/20 0500, just tuned into the final bars of the El Salvador national anthem. Fair signal until carrier off 0501. WRTH says s/off 0600. (Hall-Patch, BC)
 +Good 0132 1/7 w/beautiful ID mentioning frequencies of 610, 655, 690, & 750 for different "zonas" of the country. TCS 2 minutes slow. Then went into "La Voz de la Fuerza Armada" program. (Lazar, WI)
 +Noted in passing w/SS male talk, then SS male vocal mx 1125 2/20. (Connolly, MA)
 +Rattling plaster w/instrumental mx 2/27 0320. (Baskind, MS)
 +3/11 0305 w/OM singing in SS, SS talk & ID. (Ross, ON)
 +Assumed to be the strong SS noted w/man and woman announcers 1029 3/20, then Mariachi mx. WRTH says they don't s/on until 1100, however. (Portzer, WA)
- 660 CUBA, Santa Clara, CMHG, surfaced w/"R. Progreso" ID o/a second Latin American which I had been monitoring for an ID that never came. Both Latins were annihilating WNBC at 0028 12/4. (Connolly, MA)
 +1/30 1028 heard even with and under St. Lucia w/Cuban national anthem. (Korinek, CA)
 +1100 2/27. Some mention of "Cadena Nacional", then a pile of crud followed by "Desde la Habana Cuba", so guess it's this one, though I heard no Progreso ID. This on tape after I passed out so couldn't check for //s. (Hall-Patch, BC)
 +1028:45 4/25; blasting in w/Cuban national anthem in what was surely a s/on. (Korinek, CA)
- 660 ECUADOR, Guayaquil, HCLG2, R. Carrousel, 11/12 0836-0850. Good signal for 13 minutes and taped ID. Seemed that male announcer did not pronounce the word exactly the way we pronounce "Carrousel"; almost puts a fourth syllable on the end of the word, but easily recognizable anyway. Haven't heard this one in years. (Martin, CO)
- 660 HAITI, Port-au-Prince, 4VI, an early evening regular w/fair-local quality here but usually fades into interference by 0200. Religious mx but also some instrumental w/country-western flavor. FF but noted switch to EE one night at 0230 (not 0300 as noted in WRTH). (Thomas, FL)
 +Finally in o/multiple SS station babble w/fair signal. I had to wait a long time to ID this...27 hours monitoring over a 3 day period, so enjoy. YL in FF w/"R. Lumiere" ID, religious mx and programming. This frequency is a Latin jungle. (Baskind, MS)

- t +This must be the OM noted in FF 1040-45 2/27. Fair signal but no ID. Gone after 1045. Lotsa static to make it difficult. (Hall-Patch, BC)
 +0958-1028 4/25; Haitien(?) national anthem, then into hymn type religious mx in FF. (Korinek, CA)
 +5/15 good on 1000 s/on w/previously unnoticed IS (sounded like steel drums) and fanfare (abbreviated national anthem?). "R. Lumiere" ID and martial mx (usually religious), FF. (Thomas, FL)
- 660 HONDURAS, Tegucigalpa, HRN, noted 1135 10/31 on this frequency not listed 670. OM bellowing: "Saluda la primera radio cadena informativa de Honduras--HRN". Telling us about 44 years of service, another HRN ID and mention of Radio ???
 Good signal amid local noise (source has since been found and suppressed), soon faded though. This was noted on 660 in FL4--anybody else heard it here? (Hall-Patch, BC)
- 660 MEXICO, México, D.F., XERPM, noted MoR 8/20 & 21 fading in at around 0500 and later. IDs sound like "Música...gusto". SS announcements by male & female. Fair-good signals w/high static levels. (Hall-Patch, BC)
 +Here 0642 8/29 w/Monserrate-650 type mx & IDs by man "6-60, con música..." (Bytheway, WA)
 +0637-0704 8/29 w/schlocky MoR, some EE vocals. Lots of "6-60" mentions & IDs sounding like "Música de Magnifico(?)"; good signal. (Portzer, WA)
 +W/good strength 0400 9/22. No ID at top of hour just various MoR selections & the slogan "660 Música de Buen Gusto" between selections. I'm not certain of "gusto" as there seems to be a fadeout at that point in slogan. Bearings have varied from 125 to 140°. Mexico City is 138° from here, but the observed bearings take in most of Central America. (Hall-Patch, BC)
 +Bombing in w/very good signal and all alone for once 0510. IDs like this, "660 Música, de Buen Gusto". Strange but true. I listened for ages, but did not hear a single "R. Uno" ID, but I thought--not sure of this--that I heard a "R. Juventud" at top of the hour. If so, this should make IDing the other Uno on this frequency more definite. XERPM call & frequency ID at 0530. (Baskind, MS)
 (Doubt if it was a R. Juventud mention you heard... "Juventud" means "youth" in SS and very few stations w/Lawrence Welk type mx are aiming at a teenage audience, hi. I wonder what has happened to "R. Dos", "R. Trece", "R. Cuatro", etc.--ed)
 +Am sure has dropped its rock format, given up its R. Uno IDs and gone over to Muzak-style U.S. romantic tunes, solidly instrumental. Uses theme mx from the movie "Love Story" as occasional signature. You hear the first bar of that every 10-15 minutes. Believe still signs off at 0800. Noted many August nights but never managed to get a firm ID, although heard occasional reference to México. (Martin, CO)
 +Slow guitar mx 10/8 0530, then TC & ID "Seisciento sesenta, Musica de ..." (Seaver, CA)
 +0307 10/9 heard w/complete ID--call, frequency & location. Nx preceded this. However, no slogan given and faded away shortly after ID & WNBC took over. (Hall-Patch, BC)
 +Using US mx but SS talk. Thought it was WNBC until Iod 10/17 0817. (Critchett, CA)
 +Noted s/on 10/31 1200 using both call letters and slogan. Good strength, troubled by local electrical noise. (Hall-Patch, BC)
 +Blowing it away 11/26 0733 w/shift in format...good ol' US rock. ID 0735. (Baskind, MS) (Are you sure? They were booming in here 0747 12/5 w/the same old buen gusto stuff.--cd)
 +In loud w/EZL "66 Buen Gusto" or something similar to that mentioned 0445 2/6. (Tomer, CA)
 +Good signal, EZL mx w/strange IDs as "660 Música de buen ?". (Lawrence, SK)
 +In w/George Benson jazz mx 3/13 0620. (Baskind, MS)
 +Noted w/guitar mx, "Música de Buen Gusto" ID 0640 3/26. (Tomer, CA)
- 660 NICARAGUA, Managua, YNAM, came up strong as Carrousel faded out 0852 11/12. Is firmly glued to 660 now, having installed a new crystal or something similar. (Martin, CO)
 +At 0904 11/18, La Preferida's lady announcer gave the time as "tres ocho minutos". Who says these Banana Republics are behind the time? (Martin, CO)
 +Presumed to be the weakie in slop w/quite a few Nicaragua mentions. IDed here before. This 12/24 0305. (Baskind, MS)
 +Radiodifusora Nacional de Nicaragua reports that this station returned to the air 2/9. The station had been closed down for non-payment of its electrical bill. (SCDX)
 +4/3 0715 blasting in w/TC as "Dos catorce" by OM, ID, into SS pop mx. (Forsman, MS)
 +0823 4/24, "R. Mi Preferida" ID after long version of "Don't Let Me Be Misunderstood". Nil-fair signal/PFM 659927, 1 Hz error; fast SAH also present. (Hall-Patch, BC)
 +5/22, "R. Mi Preferida" ID after "Star Wars" theme 0703, otherwise miscellaneous Latin mx & frequent TC's. Good. (Thomas, FL)
 +0910 6/14 slandering Somoza up one side & down the other. Now using slogan "R. Mi Preferida...para el libertad!" They are going to get shut down if they aren't careful. (Baskind, MS)
- 660 t ST. LUCIA, Babonneau, w/Latin American signals nulled & WNBC vanished 100%, I was wondering about New Zealand here 0927 11/11, when slow-paced instrumental mx began, fairly strong. At 0929, man's voice began, EE, flat & metallic, hard to understand. He mentioned "10 thousand watts" & was welcoming listeners. At 0930 a chorale rendition of the Lord's Prayer began, but weakened towards the end and station faded. St. Lucia, I'm reasonably sure, but I didn't catch ID. (Martin, CO)
 +Fair-good 1/9 s/on. Noted 0927-0931, mixing w/WNBC w/mx, s/on announcement, program schedule. Reported. See 1090. (Merriman, VA)

- +1/30 0956-1039 totally caught by surprise when passing 660 and finding accented EE at excellent level, on went the tape and caught a beautiful and extensive ID at 1000. (Korinek, CA)
 - +Best at s/on 2/20 w/slow march-type mx 0927, announcement 0930 by deep voiced accented OM; no ID as R. St. Lucia. Gave brief program schedule, then into rock mx. Gave power as 10 kw. on 660. (Seaver, CA)
 - +2/20 bible verse in island EE 0945, then hymn, prayer, sermon, Bible story, & another hymn, all at good level. Predicted fade occurred at 1001 ID, but presumed this one. (Thomas, FL)
 - +Likely the one w/what sounded like Caribbean EE & soul mx 0935 3/6. Too much noise around to be readable. (Portzer, WA)
 - +1043-1046 4/25; weak accented EE heard through CMIG, then fadeout. (Korinek, CA)
 - +EE choral mx heard here 5/14 0339 looping Caribbean. Don't know what else this could be but no ID. (Nelson, NC)
- 660 VENEZUELA, Coro, YVNA, very romantic mx w/lady SS announcer 1017 11/11. Quite strong, have heard it before. (Martin, CO)
- +2/6 0954 in good to excellent w/apparent s/on announcement and national anthem. (Korinek, CA)
 - +1012 4/25 in good w/OM in SS. Lots of spots and Marimba mx. No IDs though, not Cuba. (Korinek, CA) (Marimba mx is characteristic of Guatemalan stations. Your station might have also been YNAM or you might have heard YVNA w/harp mx; the stacatto sounding Venezuelan harps could possibly sound like Marimba mx when mixed w/noise and junk.--ed)
- 660 ? UNID, at 1028 11/11, frequency became a madhouse of Latin American stations, seemed a couple took the air that time, & no way to separate new arrivals from what had been there before. In next 3 minutes, I taped a couple of Fooster crows, a tremendous gong note, and as many as three different SS voices. If you really want Latin American action, try 660 any morning 0800-1040. (Martin, CO)
- +This frequency seemed like a graveyard frequency at times 0933-1100 11/28. Several stations there at various times but nothing IDable. Strong signal w/OM & YL giving time as "Tres cuarenta cinco" at 0941 was surely YNAM per Gene Martin's comments above. (Portzer, WA)
 - +Someone here w/soul mx & some rock (Roberta Flack, Styx, etc.) 0928 2/20; no announcements heard, signal was fair-nil. Format fits WABC, but they're very rare here and WCBG wasn't in at the time so possibly it could have been St. Lucia. Anyone know their format at this hour? (Portzer, WA)
 - +0947 2/26 in middle of long announcement man said Nicaragua a couple of times. YNAM most likely. (Beverage, CA)
 - +1110 2/27, OM mentioning "centroamericano" a lot and believe I heard "Nicaraguenses". Heavy reverb heard about 1108 may have been ID, but audio quality too poor to say. Maybe YNAM. (Hall-Patch, BC)
 - +Announcer in what could have been IF w/religious program 3/20. Had mx 1042, then went into speech 1043 & promptly faded out. (Bytheway, WA)
- 663.5 ? UNID, it's here again this new season, an unknown South American about 145° from Denver, so weak you figure it must be operating from a 12-volt battery. Found the carrier, no audio, through static 0355 8/29. If same as last season, it operates AN and audio portions surface every 5-10 minutes. One night last March, as previously reported, I taped 2 references to Argentina on this station, they came more than 20 minutes apart, and the mx portions are not typical of Latin America. Come on fellows, surely somebody besides me and Ron Schatz (see FL6) is capable of hearing this one. (Martin, CO)
- +My long-standing Latin mystery here has given me some good evidence that it's in the northern part of South America, rather than in the area of Argentina & Chile. This is the one I first found in 9/76 and so weak and erratic it might be operating from 4 C-cells. And its mx is untypical of Latin America. Have been puzzling over it this season too and on MM 11/28 I found its carrier and faint audio at a time long after sunrise in lower South America. Checked the carrier off & on that morning as early as 0740. Found it delivering audio as late as 1015 but it had vanished on 1038 re-check. 1015 would be 7:15 a.m. in Argentina on a day which is the exact equivalent of May 28 in North America, so far as sunrise and sunset are concerned. This would have been 90 minutes or so after ISR in Buenos Aires, so the station has to be in Northern South America, maybe a 250 water in Ecuador. The fadeout time for stations in Argentina & Chile comes early in the period of the longest nights here & the shortest nights there. In December, I figure, 0900 is too late for Buenos Aires for that would be maybe one hour after sunrise. (Martin, CO)
 - +Gene Martin's unid Latin American was noted here as a weak carrier 0940-0943 2/13; some very weak traces of Latin mx surfaced 0942 but otherwise no other audio noted. Wonder who it is... (Portzer, WA)
- 670 CUBA, San Pedro de Cacocum, CHKP, noted w/ID as "R. Progreso" and national anthem 0600 10/2. Thought this was Honduras at first as the station didn't ID clearly for almost 2 hours. Long program of Latin mx. (Baskind, MS)
- +10/15 0515 accompanied by a bad humming though could make out that mx was of the easy listening type. (Lawrence, SK)
 - +SS talk, excellent signal, 10/25 2358. (Townshend, DC)
 - +0900 1/2 loud telephone line hum giving severe QRM to WMAQ. (Poda, OH)
 - +Probably the light instrumental mx & YL announcer dominating, 1004 1/23. (Portzer, WA)
 - +Fair-poor w/light classical and symphonic mx u/WMAQ, //880 0830 2/20. (Portzer, WA)
 - +Atop WMAQ w/jazz influenced group SS vocal //880 0440 3/5. (Connelly, MA)
 - +0945 4/24 in fair w/light classical mx //880, WMAQ off. (Korinek, CA)
 - +In w/Cuban theme mx & SS talk o/u Caracas 0445 5/6. (Connelly, MA)
 - +Possible s/on after national anthem or fanfare 1002 5/29, announcement began "Buenos dias..." & had "R. Progreso" ID; then went into operatic male vocal song. Creaming WMAQ. (Portzer, WA)

- 670 GUATEMALA, Guatemala, TGRT, in w/same game that TGW-640 was covering 11/6 0422. Poor-fair o/u WMAQ. (Baskind, MS)
 +Latin American mob is here in the WMAQ null before 0400 many nights. "La Fabulosa", quite powerful, heard in s/off 0403 11/18, leaving another one equally strong on the frequency. At 0410, it amazed me by playing the U.S. Air Force hymn (shades of Yankee Imperialism!) w/rapid-fire SS o/hymn. This is the one which begins w/the words, "c'ff we go, into the wild, blue yonder", but this station put on a lively instrumental version of the hymn. My guess as to the second station would be HRR, Honduras, although haven't noted it in years. Surely would not be Cuba. (Oh yeah?--ed) Caught apparent s/off 0502, by which time Boise & Chicago becoming conspicuous. (Martin, CO)
 +3/1 SS OM w/Geoffrey Holder voice here 0030. Wedding march cut & marimba marked 0059 loud and clear "R. Dialio" ID (has there been a wholesale slogan change in Guatemala?). Very good, WMAQ nature attenuated. (Thomas, FL)
- 670 HONDURAS, Tegucigalpa, HRN, w/"La H-R-N...Tegucigalpa!" ID 3/14 0351. Rather poor overall. (Baskind, MS)
- 670 VENEZUELA, Caracas, YVLL, "F. Rumbos" ID in string of ads for local businesses; weak but readable 0038 10/28. (Ronda, OH)
 +Poor-fair during auroral type cx 11/26 0957. These people seem very proud of their doorbell sound effect. (Baskind, MS)
 +Hx from Caracas probably YVLL. SS good o/WMAQ 0355 12/3. (Beauregard, QU)
 +Heard very strong in WMAQ null 0912-0917 12/3. Heard couple of chime notes on quarter hour. A index was 37. (Martin, CO)
 +Potent (equalling adjacent WRKO-680's strength)--man in SS w/ads 0042 12/4. (Connelly, MA)
 +Equal in strength to CMKP-670 0312 w/several IDs, ads, & MoR Latin mx, good 12/5. (McNeil, DC)
 +Good w/WMAQ off 12/26 0958 w/"Noti Rumbos", fast-paced nx show w/door bell sound between items. Show starts w/a long list of YV stations that carry it. (Lazar, WI)
 +Loud w/SS talk about Maracaibo & Venezuelan politics, EST+1 TC, fanfare, ID "R. Rumbos, La Gran Cadena Nacional"; well o/other SS Latin American 0618 2/5. (Connelly, MA)
 +1002 4/24; in fair o/Cuban w/OM in SS. Heard "R. Rumbos" IDs and mentions of Venezuela. Also plenty of spots. (Korinek, CA)
- 675 COSTA RICA, San José, TICN, fair signal 0414 10/28 in KNBR-680 splash w/mention of "música Sonora" by OM then into rhythmic mx which faded down. (Hall-Patch, BC)
 +Latin mx w/female voice, ID sounded like "R. Sonora", weak 11/24 0500. (Townshend, DC)
 +Man gave "Sonora" ID in middle of ballad 0446 12/4. (Feltman, PA)
 +Fair w/Latin mx, many SS announcements by OM 0535 1/5. Very good w/man loudly proclaiming "R. Sonora" at top of hour, into Latin mx w/heavy bass line 0300 1/6. (Everitt, OK)
 +In w/"... La Onda Latina!" promo 2/27 0309. First time heard--poor signal and high interference from somewhere. (Baskind, MS)
- 675 ? UNID, possibly Costa Rica, SS talk, then Latin mx, heard in WRKO-680 null 0328 10/19. (Connelly, MA)
 +Latin American here in CST zone using a different ID from what's been reported before--came across 5 or 6 times as "R. Colo-rah" 12/6, about 0740-0815. TC at 0804 was "dos cuatro minutos"...several mentions of "capital" & "exitos" heard. Horrid splash from famous WC splasher next door did not help a bit. Noted "Sonora" there in recent days, so it's not Costa Rica, & the mention of Capital in the ID would rule out: R. Reloj in Ecuador...something new? (Martin, CO)
 + "R. Colo-rah" here in CST zone, wherever it is, has s/off daily at or near 0900. Weak of 12/10-12/17 Colo-rah comes across repeatedly in the ID, & darned if I haven't also heard the word Colorado a good many times. In SS, Colorado means reddish. (Martin, CO)
 +Martin's mystery station possibly noted here 3/1 0112. Two tentative "Co-lor-AH" IDs but no useful info heard. Rechecked for 0903 s/off but nil. Weak w/very deep fades. (Thomas, FL)
- 675.1 COSTA RICA, San José, TICN, "R. Sonora" ID noted 0550 3/27 after SS ballads. Poor-fair signal w/KEOI-670 splat. Drifting badly--PFM was 675096 at 0550, 675118 Hz at 0555, w/1 Hz error. (Hall-Patch, BC)
- 680 MEXICO, León, Gto., XELG, "I-G, La Grande" here w/ID & romantica fare 3/13 0604 w/poor-fair signal. (Baskind, MS)
- 680 ? UNID, 1/11 0300-0400 good w/quiet mx, s/off 0400 w/national anthem. Seemed to be a Colombian, but I don't have one listed for this frequency. (Kramer, IL) (HJBW, R. Nacional in Zambrano, 100kw, is listed in 78 WRTH.--ed)
 +2/3 hyper-SS here 0200 w/many shouted "Cariba"s and sound effects (siren, Woody Woodpecker, etc.). Broadcasting sports event. Weak & garbled u/WMP5-680. (Thomas, FL)
 +3/23 1132-1215 in KNBR-680/XETRA-690 null, this mystery creeping through KNBR Thursday morning 5 kw operation fair w/SS. Typical Latin mx, probably IDs but I'd never know it! Could it be WAPA or is it some Mexican? (Shugart, CA) (Probably XELG.--ed)
 +2 SSers o/u null'd WRKO 0449 5/6. WAPA & a YV or HJ suspected. (Connelly, MA)
- 690 CUBA, La Habana, CMBC, good 0632 8/15 w/ID, mx. (Morby, NY)
 +SS talk, mention of Revolución. Dynamite signal (audible w/volume all the way down) 10/26 0007. (Townshend, DC)
 +Heard w/piano mx, YL SS announcer 0718 (fair) 10/26, the first time I have ever heard XETRA off. Another ur>ID SS station way underneath. (Bixby, CA)

- +In 11/6 0123. I managed to null super-pest WTIK on the same frequency to some extent, but reception remained poor. WTIK's signal splashes from 680 to 700 at times...our answer to KNBR. (Baskind, MS)
- +O/CBF s/on 1100 12/9 w/ID "WY" OH also saying "Esta es R. Habana Cuba" followed by OH announcer saying "R. Progreso". (Gerardi, IL)
- +2/27 0741, WTIK off! All alone on frequency w/slightly muffled modulation & some sort of ID top of hour & during songs that I couldn't make out, though it wasn't R. Progreso. Good signal. (Baskind, MS)
- 690 MEXICO, México, D.F., XEN, 1/12 1212 dominating frequency w/"R. Mundo" IDs. (Kramer, IL)
- 691 ? UNID, het on the high side of XETRA when nulled & BFO located it on 691 0946-0950 12/6. (Martin, CO)
- 700 COLOMBIA, Cali, HJCX loud w/"R. Sutatenza" IDs & fanfare--totally dominant 0034 7/24. (Connelly, MA)
- +0335 11/29 poor-fair signal w/nx & "R. Sutatenza" ID. Many Colombian nx items & spot for "el banco de Bogotá". (Hall-Patch, BC)
- +0357 12/3 o/WLW good w/ID "R. Sutatenza...sistema de comunicación de acción popular". (Beauregard, QU)
- +Latin American mx fair o/WLW 2/18 0147. (Townshend, DC)
- +O/other Latin Americans, WLW nulled; "R. Sutatenza" ID 0517 3/5. (Connelly, MA)
- +Fair o/others w/"R. Sutatenza" ID 0027 1/2. (Connelly, MA)
- 700 COSTA RICA, San José, TIBB, strong signal 0535 9/24 w/rhythmic mx & OM giving "R. Reloj" de Costa Rica" ID & TC to the second. (Hall-Patch, BC)
- +Strong & alone w/"R. Reloj" ID 0230 10/26. (Godwin, OR)
- +Although reception was on 6006 kHz, program was identical & may help for a MW ID. Many spots 12/12 0930-1010 for upcoming Presidential election, which may help get some from here. Also many for Christmas presents, etc. ID 1000 "T-I-II-B (tay-ee-at-chay-bay) sietecientos (700) kHz ondas medias, ochenta treinta y dos (4832) kHz, ondas cortas...Está es, San José, Costa Rica, en America Central, R. Reloj, Numero Uno en Costa Rica..." (Cartwright, PA)
- +Poor through WLW 0657 1/14 w/ID mentioning calls & "R. Reloj" name. Also mentioned SW frequency. (Lazar, WI)
- 700 GUATEMALA, Guatemala, TGHR, noted 11/9 0033 w/poorish signal, massive cadena-like ID 0055. (Baskind, MS)
- 700 JAMAICA, Montego Bay, JBC, 8/29 0900 in fair w/excellent ID. (Korinek, FL)
- +Poor-fair o/WLW 9/6 w/full ID 0200 & nx introduction: "this is the JBC nx..." followed by electronic mx tones, nx by male announcer w/accented EE. (Baskind, MS)
- +10/16 sung JBC ID 0850, religious/gospel mx. Excerpt from Theme from Masterpiece Theatre 0858 followed by ID & "Wake up! Turn your radio on." (???) (Thomas, FL)
- +WLW easily nulled for good signal 10/19 w/mx for "People in Love" til 2400, then JBC headline nx. (Allinson, NC)
- +Briefly o/Latin Americans w/reggae mx, spacey electronic sounds, accented EE tall w/reverb 0533 10/30. (Connelly, MA)
- +Bombing in 5/6 0224 no WLW at all w/reggae mx. (Nelson, JC)
- +Dominant w/reggae mx program w/accented EE announcer 0455 5/6. (Connelly, MA)
- 700 NICARAGUA, Managua, YNSC, 11/9 SS talk, "El Fabuloso" ID 0100. Poor-fair in WLW null. (Thomas, FL)
- 700 VENEZUELA, Maracaibo, YVMH, 10/20 0106 in w/Latin mx & SS w/fading. Caught IDs "R. Pop-ul-are". (Curtis, VT)
- +Good w/fast SS talk, ad w/"Jingle Bells" instrumental in background, telephone numbers in Maracaibo given 2320 12/3. (Connelly, MA)
- +Mixing w/Jamaica JBC w/reggae mx o/u YVMH w/"R. Popular de Venezuela" ID & SS talk, both good, no WLW, 0617 2/5. (Connelly, MA)
- 700 ? UNID, SS station w/ballads & opera-type singing 12/11 SM 0316 poor-gair. WLW nulled; lotsa slop from XETRA-690. (Pejza, CA)
- 703 ? UNID, 1/11 SS OM w/mournful Latin mx at fair level 0008. Several unreadable ID-like announcements before reduced to a carrier at 0015, gone completely 0023. Looped south, hitting Cali. (Thomas, FL)
- 705 GUYANA, Linden. Action Radio has a 10 kw transmitter here. (NZDX7)
- 705 ST. VINCENT, Kingstown, good o/rough SAH w/calyppo tune 0048 8/7. (Connelly, MA)
- +10/19 2317-10/20 0100 poor w/long fading & some static. Slow vocal, Latin type music but later choral mx & OM in EE convinced me this was St. Vincent. (Curtis, VT)
- +Poor w/Caribbean mx 2321 12/3. (Connelly, MA)
- +0106 w/EE DJ talking, pop song, more talk, then reggae tune. Fair signals w/SAH on frequency. Is in fairly regularly around this time, but never very good 12/4. (McNeil, DC)
- +Poor w/Caribbean dance mx, dogged by storm noise 0032 6/4. (Connelly, MA)
- 710 COLOMBIA, Medellín, HJNX, according to a report originating w/an HJ ham & relayed to me by an Elementary Electronics reader. R. Super de Medellín has been destroyed by a fire. (Stanbury, ON) (maybe so, but they're apparently still in business; see below.--ed)
- +Fair signal & in the clear w/WOR off 0753-0810 1/9. Downbeat Latin mx, several IDs including local ID w/mention of city. Reported. (Merriman, VA)

- 710 MEXICO, Colima, Col., XERL, 3/14 0618 R. Juventud w/call letters & slogan atop semi-local WKRQ-710's s/off & OC. Very impressive signal for listed power of 200 watts. (Baskind, MS)
- 710 MEXICO, Guaymas, Son., XEPS, "R. Anistad" ID 0244 10/16 w/lively mx, & spot for dance. (Beverage, CA)
- 710 VENEZUELA, Caracas, YVKY, totally rolling o/WOR; disco hit "Best of my Love", brief ID jingle "Capital-Siempre", then "Don't Stop" by Fleetwood Mac 0543 10/30. (Connolly, MA)
 +S/on w/YL & march mx 0957 11/28; sounded like she read off the names of the entire station staff! Signal fair-good, but well atop the rest of the babble on the frequency. (Portzer, QA)
 +Atop WOR & second Latin American; fast Latin mx & rock, reverberated "R. Capital" ID 0505 5/6. (Connolly, MA)
- 710 UNID, Mexican w/fair signal o/KMPC 1257 2/6; had rooster crowing so was probably signing on. Maybe XEUP. (Tomer, CA)
- 715 ECUADOR, Portoviejo, HCG34, 3/1 slow measured SS OM talk & frequent TC's here 0145. "Stars & Stripes Forever" cut at 0151 & "La Voz de Portoviejo" ID 0156. Another ID 0203 as La Voz de ??? (not Portoviejo) so I'm confused. Very weak (frog wide open). (Thomas, FL)
- 720 COLOMBIA, Barranquilla, HJAN, 10/19 2300 vying for the frequency w/nx in SS. Heard dateline Bogotá and Colombia. Mx notes between items. In strong 10/20 0115. (Curtis, BT)
- 720 CUBA, Colón, CMGN, loud & super-dominant w/SS political talk 0350 7/24. (Connolly, MA)
 +9/26 snuck in through WGN/KUAI-720. SS w/man, mentioned Cuba many times. (Kaskey, CA)
 +SS & Latin mx good w/fading, heard ID "La Voz de Cuba" 9/28 0745. (Curtis, VT)
 +Like a local w/male & female in SS w/political nx 0537 10/30. (Connolly, MA)
 +In 10/31 w/fair signal. (Baskind, MS)
 +Loud w/Muzak, then RR talk by man & woman (program for Soviet engineers in Cuba) //780 0110 11/15. (Connolly, MA)
 +Assumed to be the one mentioning Cuba 1007 11/20. KDMN-720 off. (Peterson, CA)
 +Loud w/chimes, march mx, "La Voz de Cuba" ID 0628 12/4. (Connolly, MA)
 +Good-fair during rare WGN-720 silent period 0930 12/27 w/"La Voz de Cuba" ID, nx. R. Rebelde programming began at 1002. (Lazar, WI)
 +Dominant w/"R. Rebelde" ID, excellent level 255 1/14. (Connolly, MA)
 +Excellent w/man & woman in SS discussing liberation movements in Nicaragua 0614 2/5. (Connolly, MA)
 +In like a blockbuster w/SS political speech about "socialistas" atop YVOE 0103 3/29. (Connolly, MA)
 +Loud w/piano mx atop Venezuela's fast Latin vocals 0143 4/23. (Connolly, MA)
 +Had non-stop SS talk; other Latin American perhaps Venezuela noted at equal level, program was festive Latin mx, no IDs given, 0510 5/6. (Connolly, MA)
- 720 DOMINICAN REPUBLIC, Santiago, HIAQ, fair-poor u/Cuba 0320 w/Central American song by YL, SS DJ w/11:23 TC, into song by man. IDed by // on 2 receivers to 4787 SW 12/4. (McNeill, DC)
- 720 JAMAICA, Kingston, RJR here o/Cuban 0702 1/5 w/program //770 outlet. Fair. (Baskind, MS)
 +Poor u/Cuban 0915 4/9 //770 etc. (DDC, MS)
- 720 VENEZUELA, Porlamar, YVOE, SS sports commentary, ID 0052; fair u/CMGN & WGN; have not heard this one since 9/28; is one of my indicator stations. 11/8. (Ronda, OH)
 +Loud w/ID, SS mx, totally atop the channel at potent level, slopping SRS-725 out of the picture 2324 11/15. (Connolly, MA)
 +Like a local, alone on channel; ads for Porlamar area, "R. Visión" ID 2243 12/20 (Connolly, MA)
 +Blasting in w/ID, SS talk 0043 12/4. (Connolly, MA)
 +Atop other Latin American and Portugal-719 het; ad for something in Puerto La Cruz 2234 2/4. (Connolly, MA)
 +Loud, peaking southeast w/SS talk mentioning Margarita, then clear "R. Visión Oriente" ID atop Cuban (peaking southwest) who had SS folk vocal mx, then talk 0419 3/5. (Connolly, MA)
 +Fair, many lively SS vocals noted, "R. Visión Oriente" ID 0023 4/12. (Connolly, MA)
- 720 UNID, more than one SS on the frequency after LSS 9/21 & 9/27. One may be Cuba but can't make positive ID. Heard "R. something-ien'e, Margarita" frequently, may be an ad, R. something w/2 syllables by YL, R. something Nationale, mx ID ending in COZO. Good w/fading on tape, but very confusing. (Curtis, VT)
- 724.8 COSTA RICA, San José, TILX, good w/SS talk, Latin mx w/lots of bongo-type drums; bad 200 Hz het from Surinam but readable 0245 1/6. (Everitt, OK)
- 725 COSTA RICA, San José, TILX good w/1950's style rock mx 0314 8/7. (Connolly, MA)
 +Fair-good w/OM in SS 0455 10/6. (Everitt, OK)
 +Good w/man in SS 0413 10/26. (Connolly, MA)
 +0402 12/10 DJ w/echo announcements, ID, into upbeat song; fair at tune-in peak. (McNeill, DC)
 +1/11, continuous SS talk by 2 men 0150-0203. Mentions of Costa Rica & probable "Columbia" ID 0204. Fair-good in Surinam null. (Thomas, FL)

- +Good w/lively SS male vocal, then SS talk 0545 1/15. (Connelly, MA)
 - +2 OM's talking 0354 1/28 w/mentions of various Central American countries. Then OM was yelling w/definite "Col-coom-bia" mention, so he wasn't talking about Colombia, then into high power sportscast. PFM 724953, 1 Hz error. (Hall-Patch, BC)
 - +AN 2/6 noted 0804, 0816, 0854 w/election returns, list of cities and numbers for each party. Also noted on 1525. (Seaver, CA)
 - +3/31 0334-37 much TVI from 724, all talk, several "Columbia" mentions 0336 (Cartwright, PA)
 - +0406 4/9 w/very loud & clear mention of "Columbia" in middle of announcement. 30 seconds into next song man said "Columbia". (Beverage, CA)
 - +Poor-fair through CKAC-730 slop; rhythmic SS vocal mx w/heavy drumming, followed by apparent "Columbia" ID 0534 5/7. (Connelly, MA)
- 725
- SURINAM, Paramaribo, SRS, blasting in w/outrageously loud signal (decimating 720 & 730) w/EE calypso song, 0035 & also noted at local strength w/old rbb hit "Mockingbird" by Inez & Charlie Foxx, then DD talk laced w/frequent EE phrases 0112 7/24. (Connelly, MA)
 - +Hetting 728 2342 8/25. (Connelly, IRELAND)
 - +Loud w/EE vocal 0028 9/18. (Connelly, MA)
 - +Good w/male vocal & usual good mx 0015 9/23. (Curtis, VT)
 - +Loud w/sports results in DD 2232 10/8. (Connelly, MA)
 - +0015 10/15, DD program of lively reggae mx, excited DJ. then mx "Disco Lady". (McClenaghan, ON)
 - +Only thing this could be, blasting in 10/17 w/chanting, Chinese sounding mx & unid type talk 2303-2330. (Allinson, NC)
 - +10/20 0113 in fair w/pseudo-DD talk by OM. (Curtis, VT)
 - +To good peaks w/man in non-European language 2238 10/21. (Connelly, MA)
 - +Another strong early evening regular here w/language, mx, & format smorgasbord. I'd like to see a psychological profile of one of their typical listeners, ni. (Thomas, FL)
 - +Good w/DD talk 2251 10/28. (Connelly, MA)
 - +DD language w/EE pop mx strong, clear, solid 2355 10/31. (Dunn, NS)
 - +Poor w/talk by man, badly slopped by Venezuela-720 2325 11/15. (Connelly, MA)
 - +Super signal w/comedy routine in DD 0304-0309 11/19. DD announcer broke into EE 0314 w/mention of "The Radio Station in Paramaribo" and "big 7-2-5 radio" followed by Bee Gees' "Got to Get a Message to You" 0315. (Feltman, PA)
 - +Heard w/armchair copy 0405-0415 tuneout 12/21. (Block, OR)
 - +2340 12/21 w/OM announcer in DD, weird musical format. Fair-good. (Baskind, MS)
 - +Very good w/DD announcer & a variety of mx, mainly rock & soul 0340 1/1. (Portzter, WA)
 - +0900 1/2 poor, man & woman talk in DD? then mx & Indian? talk by woman. 0905 man w/Indian singing. Also on 12/24 0845 fair Eastern slow mx & then man & woman in eastern language. (Poda, OH)
 - +Fair 1/7 0912 w/unid talk & calypso mx. Listed in Indonesian at this time. This is occasionally readable at 0900 s/on. (Seaver, CA)
 - +Good w/Hindu-type mx & announcements in unid language; Costa Rica not noted, assumed to be off 0855 1/7. (Everitt, OK)
 - +Loud w/SS song 0013 1/13. (Connelly, MA)
 - +Like a local w/slow Caribbean-style song, apparently neither in EE or SS 2238 1/18. African influenced rock mx good 2242 1/20.
 - +Loud w/Calypso & limbo mx 2315 1/21. (Connelly, MA)
 - +Excellent w/loud guitar rock 2233 2/3. US hit song "Precious & Few" good 2220 2/4. Loud w/disco-rock including "The Hustle" 0237 2/5. (Connelly, MA)
 - +Good w/steel drum orchestra & soul vocal, then mixed DD-EE talk 2318 2/10. Fair w/talk by man, then chanting of some sort, 2310 2/15. (Connelly, MA)
 - +Oldies rr mx such as "Sea of Love", announcer hard to hear, poor signal 2/18 0033. (Townshend, DC)
 - +W/US soul song mixing w/Costa Rica w/SS vocal. By proper orientation of the TRF either station could be heard alone. When heard together a low growl resulted 0418 3/5. (Connelly, MA)
 - +Smashing in like a local; soul/disco mx w/EE vocals 0033 3/19. (Connelly, MA)
 - +Loud w/"Brick House" by the Commodores 0113 3/6. Good w/EE announcement about DX test for the Malmo Shortwave Club in Sweden, EE ID & jingle followed by DD talk 0207 3/7. (Connelly, MA)
- 725 ?
- UNID, Latin music, then SS talk, sounded like a soccer game in progress when first tuned at 0040. Latin mx for several minutes, then SS talk by OM announcer 0057-0059. Could be Nicaraguan or the more powerful Costa Rican. Fair-poor w/slight interference. I bet on Costa Rica. 1/18 0040-0059. (Townshend, DC) (Costa Rica much more likely.--ed)
- 730
- COLOMBIA, Bogotá, HJCU, fair w/XEX nulled & no sign of Canadians 0536 5/30 w/ID Latin mx. (Lazar, WI)
 - +Uses the call letters "Achay-Hota-Say-oo" heard very clearly 0905 11/11, along w/several "Melodia" IDs. Mexico's XEX was silent but returned 0918 w/its tele-talk show. Great volume from HJCU which is rarely heard nowadays because of XEX AN show. (Martín, CO)
 - +While listening to El Salvador, an OM filtered up w/Latin mx & ID ending "...R. Melodia, en Colombia!" This at 0827 11/26. Moments later, XEX came on the air w/horrid march mx that shook the plaster off the walls. Volume up full--was using headphones! (Baskind, MS)
 - +2/23 noted William Tell Overture excerpt marked 0030 "R. Melodia" ID, good. (Thomas, FL)
 - +o/u CKAC-730; SS operatic male vocal, "R. Melodia" ID and slogan "Más noticiosa, más deportiva, más música" 0514 3/6. (Connelly, MA)
 - +Atop several others w/"Melodia" ID, then xylophone mx 0110 6/4. (Connelly, MA)
- 730
- CUBA, Holguin, CMKJ, 0116 12/29 o/Colombian w/usual mx & fanatical political rantings. Fair. (Baskind, MS)

- +W/piano mx //720: fair & alone on channel 0144 4/23. (Connelly, MA)
- 730 DOMINICAN REPUBLIC, Santo Domingo, IIZ, fair atop others: SS male vocal, ID mentioning "Republica Dominicana", SS talk by man & woman, then ads, including one for the "Johnny Ventura Disco" 2328 11/15. (Connelly, MA)
 +Good 2225 w/EE tourist announcement, DJ in SS w/TC & ID, into several cuts of songs by a sweet-sounding YL, w/TCs between songs. (McNeil, DC)
 +Noted w/ads for Santo Domingo businesses. Then Latin mx 0101 3/29. (Connelly, MA)
 +0126 6/1 w/ON announcer answering letters, many Dominican Republic mentions, partial "R. Dominican..." ID 0128. Sounds automated w/its beautiful mx format. (Baskind, MS)
- 730 EL SALVADOR, San Salvador, YSR, presumed the one o/u assorted interference 11/26 around 0817 w/OM trying to put across some sort of moral value, Latin mx. Poor signal. (Baskind, MS) (The Guatemalan has religious format, is widely heard here, & s/off is listed as 0830: could have been what you heard (see below). YSR s/off listed as 0600.--ed)
- 730 GUATEMALA, Guatemala, TGN, in México null 11/5 0415 w/gospel program "Songs in the Night". EE Service s/off 0433 w/man giving frequencies and inviting reception reports. SS program began about 0434 running a classical mx show & OM giving ID as "R. Cultural". Poor-fair reception but México stayed polite overall & let TGN in. (Baskind, MS)
 +Noted w/apparent s/on 2359; 12/28. OMs in SS & gospel mx. Fair signal, moderate interference from somewhere. (Baskind, MS)
 +2/24, "O Como All Ye Faithful" lead-in to 1050 s/on, R. Cultural, very good. (Thomas, FL)
 +0744-0829 4/14 light mx like "Windy" very little talk in SS. Off at 0829 after talk by YL. Poor u/XEX. (Wolfish, ON)
- 730 MEXICO, México, D.F., XEX, good w/SS talk about football in México 0535 10/30. (Connelly, MA)
 +Mentions of "La X" and something about "más noticias" 0456 2/1. No rx though, went into a Latin ballad. This in near total null of CKLG-730. (Hall-Patch, BC)
 +Good w/"La Corona" cerveza ad, then possible soccer game w/"Mexicano" team & player named "Woston", signal peaked up towards southwest, fortunately the null for CKAC-730 and another Latin American 0436 3/3. (Connelly, MA)
 +0330 3/13 SS looping southwest. Man talking--mentioned "Tampico" & possibly "México". (Poda, OH)
 +0802 4/14 ID into a paid political announcement. (Wolfish, ON)
- 730 TRINIDAD & TOBAGO, Port-of-Spain, strong w/local mx, wx 0002 10/1. Dominant on channel w/no problems from other Latin American interference. (Eckman, PA)
 +Good o/the pack w/Caribbean EE male announcer doing a lottery w/a numbers wheel, prize of \$28000 mentioned; then ad for a "Miracle product from Bermuda" 2324 12/3. (Connelly, MA)
- 730 UNID, 10/15 0040 w/interference from CKLG-730, sounded like a talk show. (Lawrence, SK) (México?--ed)
 +A religious program that sounds syndicated drifts in every once in a blue moon at about 0200. The program is in EE & buried WAY u/the Mexican. Think I heard a mention once for a church in Pasadena, CA at the end of the show but I don't think they gave an ID at the top of the hour between shows. (Ayers, MS)
 (WRTH says TGN in Guatemala carries EE here 0245-0430 weekdays; the station is religious & sometimes heard in the U.S. Might be them.--ed)
- 735 ECUADOR, Quito, HCGCL, good but hetted by Spain-737; Latin dance mx w/vocal & drums 0412 10/26. (Connelly, MA)
 +2/3 very good w/moody Latin mx & "R. Melodia" ID 0247 2/1. (Thomas, FL)
 +Fair w/male SS vocal 0255 2/13. (Connelly, MA)
 +2/22 tentative w/mournful Latin mx OM DJ 0245. Fair level but masked by 730/740 garble. Hets & all gone 0256. Loop bearing & 2 tentative "Melodia"s suggest Ecuador. (Thomas, FL)
 +Good w/slow male SS vocal 0258 4/2. (Connelly, MA)
 +Good w/festive Latin mx, 0344 5/7. (Connelly, MA)
- 740 CUBA, Camaguey, CNJL, fair-good 10/9 0311. Was looking for Montserrat. ID as "R. Liberación". (Baskind, MS)
 +Dominant w/"R. Liberación" ID & chimes, then man & woman in SS o/null'd CBL-740 0300 2/13. (Connelly, MA)
- 740 VENEZUELA, Maracaibo, YVNC good w/SS male vocal atop CBNM/CBL-740 0115 7/24. (Connelly, MA)
 +Dominant during intermittently auroral cx, female SS vocal, no trace of CBL 0109 11/15. (Connelly, MA)
 +1/2 0930 SS station w/lively SS mx, ID as what sounded like "R. Maracaibo". Good signal through someone's OC (probably CBL). (LaFreniere, MN)
 +Fast-paced Latin mx 0949 1/2, mentions of Maracaibo & ID as "Maracaibo" 0952; unid giving it some problems at times (was trying for R. Antilles). (Oliphant, AB)
- 740 UNID, SS here w/nil-fair signal in KCBS-740 null 0916-1000 11/28. Lively SS mx, not unlike that frequently heard on Venezuelans. Two IDs as "Una Música" at 0925 & 0948, but naturally there's nothing close listed anywhere. Help? (Portzer, WA)
- 745 UNID, some Latin American was here 9/22 0300-0400--very weak & the sound quality was so poor it might have come from a spur rather than from a transmitter on its regular frequency. (Martin, CO) (Someone reported a Cuban here a while back.--ed)

- 746.5 ^a CUBA, maybe Pinar del Rio, ID as "R. Liberación" 3/14 0016-24. Quite strong & clear, monotonous talk in SS, then SW IS & "Liberación" ID 0020. Not heard since. (Cartwright, PS)
- 747 ^a CUBA, 0452 3/13. Fair-good signal from 0440 w/jazzy 40's mx & "R. Liberación" ID 0452. Don't know who this was drifting: judging by strength maybe CMAQ Pinar del Rio which WRTH 78 lists as 30 kw. PFM 746876, 1 Hz error, at 0440. Not noted 3/15, 3/16 0400-0600. (Hall-Patch, BC)
- 748 [?] CUBA, city unknown, 0323 3/13 fair volume, SS, looped southeast. Loud het on low side of WSB. Mx & then man & woman talking. Later, at 0445 was fair--big band songs in EL, "Sentimental Journey". Man in SS o/record & at 0455 bells & "R. Liberación, Habana, Cuba". (Poda, OH)
- 750 COLOMBIA, Medellín, HJDK, ads for Medellín clothing stores fair-good 11/8 0055. (Ronda, OH)
- 750 JAMAICA, Port Maria, JBC, in at 0058 9/24. OM came in w/introduction to "Top 20 Hit Parade". Was poor overall o/u slop. (Baskind, MS)
 +In w/soul recording & fair signal 11/6 0858. (Baskind, MS)
 +11/17 local quality w/"24 hours...a round-up of nx from home & abroad" 2330-2345. ID as JBC-1. (Thomas, FL)
 +O/u WSB 0233 //7000. (Nelson, NC)
- 750 NICARAGUA, Managua, YNX w/US & SS pops, "La X" ID by YL 0552 8/6, good signal. (Tomer, CA)
 +Mostly overpowering WSB 10/21 w/mood instrumental rx, YL & OM talking about mx between selections 0503-0530. (Allinson, NC)
 +Way o/WSB w/SS ads & mentions of Nicaragua during good opening to Central America 0417 10/30. (Connelly, MA)
^t +Presumed the strong one w/MOR which finished 0600 11/19, then YL said in SS "tomorrow we'll meet again". Then something which sounded like "tejemos nacitas. Nuestra ??? musical un mejor", then off, leaving much weaker WSB. (Hall-Patch, BC)
 +11/29 0329-0345 o/WSB w/good signal, little fading w/light mx, OM & YL talks between songs. I heard several mentions of Managua & ID "Estación Equis" twice. They have been consistent here the past week. It's been hard to hear WSB in the early evening. (Harms, WA)
 +YNX is by far the easiest Latin American here, usually o/WSB evenings until they s/off. (Portzer, WA)
 +12/19 0929 w/"La Ekees" IDs & mx, S-9+ signal, better than in a long time. (Lobel, CA)
 +Heard w/"Estación Equis" 0508 & no sign of WSB 12/21. (Block, OR)
 +1/2 0948 in good as usual at this time on MM w/ "Estación Equis" ID 0956. (Korinek, CA)
^t +1/5 0055 good but fadey w/lengthy sports show, was giving the scores for all the U.S. college football bowl games, & soccer scores from all of Central & South America. No ID on the hour, but this is the one I believe, because loop bearing was right at Nicaragua. (Kramer, IL)
 +Fair in WSB null 1/5 0719 w/mx, TC, mention of "La X". (Lazar, WI)
 +Strong & steady here w/TC & Latin MoR mx 0712 1/9. Thought this was off 0600? (Hall-Patch, BC)
^t +This one most likely the SS dominating WSB 1/27 0448-0455 w/Latin mx, SS talk poor-fair. No positive ID but am almost sure. (Harms, UT)
 +Strong w/Latin mx & OM & YL announcers, "La Equis" ID 0940 1/30. Not usually heard on at this time; possibly on due to widespread riots/general strike. (Portzer, WA)
 +Loud 0657 2/3 w/"La Estación X" ID. (Tomer, CA)
 +Continues w/its AN schedule...noted at local quality w/up tempo SS male vocal, TC by YL, then "Estación X" ID by male 0909 2/13. Mariachi mx followed. (Portzer, WA)
 +3/29 0540-0600 w/nx for Central America. Much clearer than usual w/great cx to south. Heard several mentions during nx of "partido de...". Have there been elections down there? (Shugart, CA)
- 750 VENEZUELA, Caracas, YVKS in dogfight w/WHEB-750, a ghastly mess here. YVKS had ads for discos in Caracas 0058 3/7. (Connelly, MA)
 +8/14 0314 playing EE top-40 mx, ID as "R. Caracas", SS announcer. Fair signal at times fading u/WSB. An old (1971) WRTH that I got my hands on shows 2 different powers in 2 different listings for this one. Does anyone know what the real story is? (Apel, NY) (They raised power to 100 kw a couple of years ago.-ed)
 +Good 0130-0200 9/9. Many "R. Caracas" IDs. No sign of Colombian. Report sent. (Wood, NY)
 +Good at times w/fading 9/28 0034, some hets. Got good ID "R. Caracas". (Curtis, VT)
^t +SS nx 10/10 0630 w/male voice; just audible o/u WSB. (Beauregard, QU)
 +Loud w/SS talk; ads for karate school, encyclopedia set, cars, "El Paraido" disco & boasting about having the best mx in Venezuela; then female SS vocal 2330 10/21. (Connelly, MA)
 +Good in WSB null, SS talk w/mentions of Venezuela, then female SS vocal 2330 11/15. (Connelly, MA)
 +Excellent w/"She's Not There" by Santana, then SS talk w/ "R. Caracas" ID 2326 12/3. (Connelly, MA)
 +Blue Danube Waltz" & other mx fair u/WSB 1/12 0325. (Townshend, DC)
 +Noted w/SS folksong by female group, then brief Caracas mention, followed by U.S. disco-rock, good, low het growl from other Latin Americans nulled 0225 1/13. (Connelly, MA)
 +Good w/US pops 0546 1/15. (Connelly, MA)
 +Well o/WSB w/Electric Light Orchestra hit "Turn to Stone" 0236 2/4. (Connelly, MA)

- +Good w/"R. Caracas" ID atop low growl 0051 3/29. Heavy Auroral cx at the time. (Connelly, MA)
- +Fair w/ads for nightclubs in Caracas, then "R. Caracas" ID o/low het 0148 4/23. (Connelly, MA)
- 750 ² UNID, another Latin American w/OM baseball commentary & many mentions of Nicaragua 9/21 0216. I couldn't make out an ID, W53 in null but took over 0244. (Baskind, MS) (Nicaragua probable.--ed)
- + "Michelle" by Beatles u/W5B, fair signal 12/20 0035. (Townshend, DC) (Sounds like Venezuela.--ed)
- +1/21 0500 fair-weak u/W5B in SS w/US pop mx like "Hotel California"; "Nicaragua" heard (not ID), but format looks like Venezuelan. (Beauregard, QU) (Venezuelan most likely; Nicaraguan's format is more sedate Latin mx.--ed)
- 754 ² UNID, a Latin American which seems to use "America Latina" as part of its ID was found here 0300-0400 9/22. Believe it's something new for never noted before. Signal fairly good at times, but bad Nicaragua-750 slop. (Martin, CO)
- (See below.--ed)
- +Carrier noted 0332 10/5 looping towards Central America. Audio noted 0335 w/Latin sounding mx. Then OM in SS quite strong 0340. Audio much mangled by KFMB-760 splash, however. Faded down on slow SS mx but returned every 10 minutes or so w/some audio for a couple of minutes. (Hall-Patch, BC) (See below.--ed)
- 755 COSTA RICA, San José, TIRA, here from 750, seems to have finally settled halfway between adjoining frequencies after being on 754 for several weeks. Measured at 755 11/5 about 0300. Would guess the shift was intentional, not a case of drifting, & I can easily imagine a Latino engineer telling the head honcho, "Well, boss, at last I got it right". (Martin, CO)
- +Apparently the one with SS talk good-fair 1125 2/20. Nothing else reported or listed here. (Portzer, WA)
- 755 ² UNID, weak carrier 0510-0515 12/21. Too much YNK slop to hear any audio on this one! (Block, OR)
- 755.5 ² UNID, thought this was TVI until I heard SS talk u/BFO whistle 0428 3/11. OM in SS bits of mx, more talk, none of it pointing toward an ID. Faded out by 0434. Plenty of noise. (Hall-Patch, BC) (Costa Rica?--ed)
- 760 COLOMBIA, Barranquilla, HJAJ, noted good & quite dominant o/usual 760 trans 9/10 0430 w/Latin dance mx, SS by male announcer, & lots of clear IDs. (Baskind, MS)
- +YL vocal mx u/WJR 9/18 0913-0917. (Wolfish, ON)
- +Mentions of Barranquilla noted in passing 0442 10/5. Fair, had to null KFMB-760. (Hall-Patch, BC)
- +Dogfighting the Cuban 10/31 1053 w/Latin mx & poor-fair signal. (Baskind, MS)
- +Seems to be closer to its proper frequency; many local ads heard, well o/Latin American station, WJR looped 0229 1/13. (Connelly, MA)
- +Fair w/SS talk, "RCN" net ID o/others 2304 2/15. (Connelly, MA)
- (See also 760.4, 760.5, and 761.--ed)
- 760 CUBA, La Habana, CMCD, SS talk w/het, frequency approximately 1500 Hz. Good signal 10/25 2343. (Townshend, DC)
- +LA w/Colombian 10/31 around 1053. Did not sound like Reloj format, but w/the interference I can't be sure. Probably Rebelde as announcers were OM & YL. (Baskind, MS)
- +1/6 2334-36, the Reloj Nacional outlet noted here in passing, WJR weakened by latter stages of aurora, slight not behind. (Cartwright, PA)
- +O/WJR w/SS talk about Cuban government affairs, then "Reloj Nacional" ID & time tone 0321 5/6. (Connelly, MA)
- 760 EL SALVADOR, Sonsonate, YSKLC, 3/8, fair 0340 w/some EE pop/some Latin mx. This //three other YSKL outlets audible at same time--765 (good), 770 (fair), and 780 (good). No specific location for any even at top of hour. (Thomas, FL)
- 760 ^t GUYANA, Georgetown, possible talk in what sounded like an African language 2242 10/21. Looping between Colombian & Dakar-764. EL talk noted w/muddy audio, possible mention of Georgetown, then Muzak version of Beatles song "Michelle", then FF talk 2300 10/21. (Connelly, MA)
- +There are two stations on 760 w/IC kw--R. Demerera and GBS, Guyana Broadcasting Service. Schedule for R. Demerera: 0817-0201 approximately. Indian music is broadcast on 760, at least at 0100 Sunday. News has been noted 2300 (15 minutes) 0000 (5 minutes), 0159 (brief summary) prior to shutdown with prayer and s/off. There is a gospel program at 0130 (except on Sunday). News on GBS is heard at 2330 (for 1 hour some nights) and 0200 (5 minutes); GBS schedule is 0757-0250. Apparently there is no Indian music on GBS. Addresses: R. Demerera, PO Box 561, Georgetown, Guyana. GBS is P.O. Box 560, Georgetown, Guyana. (MWN 3/78)
- +Finally bagged, sometimes quite in the clear. Dominant at LSS before Venezuela/Colombia/WJR fades in. Man read a list of recent deaths, apparently mentioning all of the relatives of each deceased person; frequent references to Georgetown hospital, relatives in Trinidad & other Caribbean islands, & many Moslem & East Indian names by a man in accented EE. Also "Demerera" mentioned, 0013-0031 6/4. Chief QRM was WHEB-750 slop. (Connelly, MA)
- 760 HAITI, Les Cayes, 4VU, audible u/XEABC and the rest //660 w/FF religious program 0149 5/1. (Baskind, MS)
- 760 MEXICO, Durango, Dgo. XEDGO, s/on 1231 3/20 w/call letter ID & several mentions of "R. Capital", then program of kids singing. (Bytheway, WA)

- 760 MEXICO, México, D.F., XEABC, 11/12 1117 call letter ID. "Ah-bay-say", het from Colombian on 760.4 gone by this hour. I don't seem to hear this one at night. (Martin, CO) (They're a daytimer.--cd)
 +In w/bad het from Colombian 2/4 0501¹. Call letter ID & frequency, then faded back into the goop forever. (Baskind, MS)
 +SS talk 1227 3/20, ID at 1230 as "R. ABC, R. Internacional..." (Bytheway, WA)
- 760.4 COLOMBIA, Barranquilla, HJAJ, still off channel; atop WJR het w/rhythmic Latin mx 2247 12/20. (Connolly, MA)
 +12/29 very lively Latin mx & "La Voz de Barranquilla" ID 0546 fair w/Cuban, WJR, and het. (Thomas, FL)
 +Excellent signals 1035 1/2 w/ID by OM as "R-C-N, La Radio de Colombia". (Olyphant, AB)
 +In w/SS vocal o/WJR het 0637 2/4. Man & woman in SS, "La Voz de Barranquilla" ID o/nasty het from Latin Americans on 760 0631 2/5. (Connolly, MA)
 (See also 760, 760.5, and 761.--cd)
- 760.5 COLOMBIA, Barranquilla, HJAJ, has drifted off to the high side; SS mx & talk garbaging WJR 0352 10/19. Announcer yelled out "atencion Barranquilla", IDs as "R. Suceso, RCN" instead of La Voz de Barranquilla, loud & splittable from Guyana-760 2307 10/21. (Connolly, MA)
 +0420 10/23. Good signal when slightly detuned from KFMB-760, bad het otherwise. RCN IDs & utempo mx. Colliterating KFME 0410 10/28. (Hall-Patch, BC)
 +Strong w/"La Voz de Barranquilla" ID plus call letters 0227 10/26, slightly off frequency. (Goswin, OR)
 +Loud w/SS talk & mention of Barranquilla 2309 10/28. (Connolly, MA)
 +Tropical sounding mx 0919 11/7; clear "La Voz de Barranquilla" ID 0920, then more bongo-thumping mx. (Bytheway, WA)
 +Still off channel, SS talk o/fcble WJR het on low side during auroral ex 0108 11/15. (Connolly, MA)
 +Loud, totally dominant; man in SS w/reverb 2333 11/15. (Connolly, MA)
 +Noted way atop WJR 0330 11/17 w/RCN programming, lottery results I think. (Stanbury, OK)
 +Good w/Latin mx o/het 0629 12/4. (Connolly, MA)
 +Hetting 760 12/5 0955, 1033, no ID heard but several mentions of Colombia. (Seaver, CA)
 (See also 760, 760.4 and 761.--cd)
- 761 a COLOMBIA, Barranquilla, HJAJ, Latin American identity crisis here is driving me nuts! Station calling itself Radio Too-pay-toh was first found NW 10/17 0800, member of RCN net, badly hetting 760 w/WJR in null. Was first measured on 762 but by 10/20 seemed to have drifted closer to 761 in 0300-0600 period. Too-pay-toh noted 3 times but failed to hear any location clue. Tried hard to locate La Voz de Barranquilla on 760 but failed to find it, which may indicate some frequency changes in Colombia, for HJAJ has been conspicuous here for the last year or so. "R. Suceso-RCN" & "R. Too-pay-toh-RCN" here w/fine volume in WJR null 10/21 before & after 0700, continuing to beyond 0900, when I gave up. It is one station, not 2, & for good measure I heard a "R. Santa Fe" ID 0244. To add another complication, HJAJ "La Voz de Barranquilla" was there alone w/lady announcer without any mentions of RCN for about 20 minutes before 0400. On the "Suceso-Too-pay-toh" station, program was titled "La Hora de Colombia" --typical Latin mx including tangos w/lady announcer. But "Suceso-Too-Pay-Toh" IDs were always by a male voice (3 different male voices noted in the IDs that came around 0704-0707). Scemed the signal at times was much stronger than I usually hear from HJAJ. I have been unable at any time to ID HJAJ & this station together, & there is a possibility that these new IDs are being carried on HJAJ, wandering off-frequency. If so, then it goes for 2 hours without any reference on the station to Barranquilla. (Martin, CO)
 +Noted the same station here. First heard 0430-0500 10/20 w/newsreel or magazine-type program w/many mentions of RCN, Colombia, Bogotá, etc. Also noticed a few times since then. At 0558 10/28, w/KFMB-760 notched & nulled, went into the following ID: "...La Voz de Barranquilla, 760 kHz, H-J-A-J, H-J-A-J, H-J-A-J, la Radio de Colombia". That should clinch it, hi. (Portzer, WA)
 (See also 760, 760.4, 760.5.--cd)
- 765 EL SALVADOR, YSKL net, good w/world mx 0540 & "Only You" in EE 0548. S/off 0556 w/overture-type national anthem & "R. Cadena Racional Y-S-K-L" ID. Presume "C" outlet given level. (Thomas, FL)
 +0434 3/24. Carrier noted here in KOB-770 splash, then quite suddenly OM came up in SS. Some group singing for a few seconds, then YL said "Esta es KL". Soon faded back down & didn't return. Not enough carrier left for PFM. (Hall-Patch (Hall-Patch, BC)
- 765 ? UNID, very weak signal, but good modulation. SS talk w/slight audio reverb 0245 10/8. (Everitt, OK) (YSKL?-cd)
- 770 COLOMBIA, Bogotá, HJKH, 11/26 0754, noted booming in w/pop mx, call ID & RCN mention top of hour. (Baskind, MS)
- 770 CUBA, Las Mercedes, CMKO, heard 10/17 0433 w/"R. Revolución" IDs, usual Cuban stuff. Poor w/some fading. (Baskind, MS)
 +11/7 loud on s/on 1000 w/national anthem, "R. Revolución" ID. (Thomas, FL)
- 770 EL SALVADOR, San Salvador, YSKL, noted 11/9 0322 w/Latin mx, ID & call 0331 poor-fair. (Baskind, MS)
- 770 GUATEMALA, Quezaltenango, TGBX, //670 w/sports 0347 5/20. Poor-fair on this weird frequency. (Baskind, MS)
- 770 HONDURAS, Tegucigalpa, HRWQ, w/"HRN" IDs 3/14 0515. I went back to see if it was 77670 but couldn't tell. (Baskind, MS)

- 770 JAMAICA, Spur Tree, RCR, finally in w/poor-fair signal, nx & several ads for British Airways 0000 12/5. I've been after this for quite a while. Cuban usually here. (Baskind, MS)
 +Booming in o/Cuban (usually dominant this time of evening) 0702 1/5 w/pop mx, accented EE announcer. Weird propagation effect brought this one in... it was like a sudden brief aurora and lasted until about 0735 or so. (Baskind, MS)
 +//720 AN w/soul mx 0914 4/9. (Baskind, MS)
- 770 PANAMA, Chitré, HOL47, 5/8 briefly atop YSKL w/"R. Libertad en Panamá" ID 0559. Organ mx followed. (Thomas, FL)
- 770 VENEZUELA, Valencia, YVKK, atop WABC w/ID, SS mx, 0050 6/4. (Connelly, MA)
- 770 UNID, noted a very strong signal in WABC null. A clear mention of Costa Rica followed by 2 "R. Columbia"s. I noticed the WRTH lists 9 ANs in Costa Rica called R. Columbia but none are near 770. Could this be R. Tequendama in Bogotá? As far as I know, Costa Rica doesn't even exist on 770. (Ayers, MS)
- 775 COSTA RICA, San José, TIW, fair "R. Uno" ID slipped through the KOB-770/KCRL-780 splash 0443 8/11. Seemed to be playing up tempo American mx but hard to tell through 50 kw domestics on either side. Some fading noted on carrier. (Hall-Patch, BC)
 +0502 8/29 w/"R. Uno" ID, then record by Chicago, through 770/780 slop. (Bytheway, WA)
 +Fair w/Latin mx, SAH noted 0158 10/5. (Everitt, OK)
 +Good audio w/EE rock, "R. Uno" ID in middle of song, 0637 10/16. Another ID 0642. (Beverage, CA)
 +Presumed the one heard w/fair signal 0455 10/24 w/US rock & SS talk. Another carrier about 200 Hz low, nulling in same direction, but no ideas--only Ecuador listed. Usual KOB/KCRL splash. (Hall-Patch, BC)
 +Good w/song "White Bird" by It's a Beautiful Day 0638 10/30. (Connelly, MA)
 +075 10/30, rr "Hotel California", fair volume, then SS & another rr record. 0800 SS ID "Teh-ee-doble-o R. Uno", then another song & "R. Uno" ID 30 seconds into song. (Pods, OH)
 +Heard w/good signal 0216 12/3, had US pops, "R. Uno" ID 0252. (Tomer, CA)
 +In good w/US rr 0528 12/13. (Tomer, CA)
 +12/29 fair at 0600 s/off w/ID, whistle, & quick carrier cut. (Thomas, FL)
 + "R. Uno" intoned by OM over extended Latin rock selection--lotsa percussion. Fair-poor signal, no het noted this time. PFM 774916 Hz (1 Hz error). (Hall-Patch, BC)
 +Good w/loud rock 0646 2/5. (Connelly, MA)
 +Weak but audible w/US pop mx 0440 2/7. (Tomer, CA)
 +Good in passing w/US rock 1132 2/20. (Portzer, WA)
 +Good w/soft SS male vocal & R. Uno ID, then Jethro Tull song 0431 3/5. (Connelly, MA)
 +Booming in w/"I Wish" by Stevie Wonder, usually covering the WABC buckshot 0620 4/2. (Connelly, MA)
 +Fair w/"Sweet Talking Woman" by ELO 0546 3/7. (Connelly, MA)
- 775 UNID, 2 stations noted here 0451 1/24. Often audio from at least one, but KOB/KCRL slop usually made it unreadable. 0410 1/25, one appeared to be 774912 Hz, the other weaker one seemed close to 775000 Hz. First is almost certainly Costa Rica, is the second Ecuador? 995 had strong carrier that night. (Hall-Patch, BC)
- 780 BRITISH VIRGIN ISLANDS, Roadtown, ZBV1, good w/reggae mx having brass accompaniment 0116 7/24. (Connelly, MA)
 +Fair w/reggae mx o/mains QRX buzz 2228 10/8. (Connelly, MA)
 +Good w/ jive ads w/spacey electronic noises 2214 12/3. (Connelly, MA)
 +Was big surprise here w/soul mx format & accented OM EE announcer 1/5 2312. The Cuban was here 2300 w/good signal & was back at 0003 recheck, but still this got through w/fair signal & moderate interference from an unusually strong WBBM. (Baskind, MS)
 +Good w/reggae mx, Cuba nulled 2351 2/7. Caribbean EE announcements w/reverb o/SAH & local noise 2253 2/15. (Connelly, MA)
 +Fair w/Cuban nulled; Jackson 5 song "Got to be there", then soul-style announcer 0034 4/12. (Connelly, MA)
 +Loud w/reggae mx, a summertime LSS regular on Cape Cod 0008 6/4. (Connelly, MA)
- 780 COLOMBIA, 12/19 0740 Latin American here w/numerous mentions of Colombia & frequent IDs which sounded like "R. Sonorama". No specific location heard. Weak/fair u/WBBM w/Latin mx. HJZG? (Thomas, FL)
- 780 CUBA, Camagüey, CMJN, good w/nonstop SS talk 0139 10/18. (Connelly, MA)
 +Latin mx excellent signal 10/25 2352. (Townsherd, DX)
 +11/14 0954 in WBBM null while searching for KNOM. KCRL-780 off as they've been the past few MM's. Lots of KOB slop. Heard several "R. Rebelde" IDs. First time heard here. (Lobel, CA)
 +Fair o/u WBBM w/"La Voz de Cuba" ID 0900 12/12. (Portzer, WA)
 +Fair through WBBM OC (another rare silent period) 12/27 0953 w/programming //620. (Lazar, WI)
 +W/political talk in SS o/u WBBM 0016 1/13. (Connelly, MA)
 +0822-0830 1/16 bombing in w/"La Voz de Cuba" ID. (Bytheway, WA)
 +1/17 1152 in fair w/SS talk by OM & typical "La Voz de Cuba" mx. Sounds like football mx, hi. (Korinek, CA)
 +1/21 0530 suppose this one w/non-stop talk in SS, stable & fair u/WBBM. (Beauregard, QU)
 +Atop WBBM w/SS group vocal 0636 2/4. Loud w/SS talk atop other Latin American 0613 2/5. (Connelly, MA)
 +W/SS talk 0820 2/17, "R. Habana Cuba" ID 0824. (Tomer, CA)

- +Faked me out 0930 2/27 by going from mx to nx w/many mentions of Nicaragua & Managua. Common sense soon prevailed as the bearing was wrong. 0940 a definite "La Voz de Cuba" ID. Signal subject to erratic fading, but often good strength o/WBBM. (Hall-Patch, BC)
- +obliterating WBBM; soul song by Marvin Gaye & Diana Ross, then SS talk w/mentions of Cuba & Camaguey 0427 3/5. (Connelly, MA)
- +Creaking WBBM w/chimes, then YL w/"La Voz de Cuba" ID 0028, then man & woman alternating, YL gave mailing address, then more chimes. 0029 man gave TC, then YL w/talk. All on 3/20. (Portzer, WA)
- +Leading the pack w/Russian program w/woman & man announcers, low-end domestic skip wiped out by aurora 0037 3/29. (Connelly, MA)
- 780 CUBA, entire Rebelde cadena testing 0606 3/7 w/lotsa OC, TT's & even off-air periods. I am citing this outlet in particular. (Baskind, MS)
- 780 HONDURAS, San Pedro Sula, HRWN, I heard a definite "R. (E1?) Mundo en San Pedro Sula" ID here 0207 5/25 contrary to existing listings. (Baskind MS)
- 780 PARAGUAY, Asunción, ZP70, this station now broadcasts 24 hours a day. The station also intends to increase power to 50 or 100 kw before the end of the year. (SCDX, 8/77)
- 780 UNID, couple of R. Norte IDs heard MM 11/28 1045-1052 w/WBBM nulled, station in lovely ranchero mx. Second Latin American showed up around 1101 putting a new rumble on the frequency. (Martin, CO)
- +SS noted here w/WBBM nulled 2/13; had SS version of "I Will Follow Him", then 2 IDs sounding like "R. Sonorama" or possibly "R. Programa" 0915. Apparently the same station Gerry Thomas reported recently. (Portzer, WA)
- +SS talk briefly o/WBBM 1035 2/20; mentioned Montería, so likely the Colombian. (Portzer, WA)
- 780.2 CUBA, Camaguey, CMJN, o/u WBBM w/ON & YL alternating w/nx in Reloj format, loud buzz present. KCLR off. 0910 8/28. (Portzer, WA)
- 790 CUBA, La Habana, CMCH, SS talk, good signal 10/26 0015. (Townshend, DC)
- 790 MEXICO, Chihuahua, Chah., XERPC, good 9/19 w/KABC off. "R. Ranchito" ID 0934 & "R-P-C R. Ranchito" 0949. (Seaver, CA)
- 790 MEXICO, La Paz, B.C. XENT, ID & spot 0245 10/16 o/unid SS "R. La Paz" ID 0247, Ehen lively & interesting mx. (Beverage, CA)
- +Call letter ID & "R. La Paz" ID 0131 2/26. (Beverage, CA)
- 790 MEXICO, Mexicali, B.C., XLSU, briefly o/XEVA w/call letter ID 0157 6/13. (Baskind, MS)
- 790 MEXICO, Villahermosa, Tab., XEVA, finally IDed 0140 6/13. DJ must have been new...he shut off the mx twice (during a song) & IDed incorrectly as XEAV. Poor dude. I know the feeling! (Baskind, MS)
- 800 COSTA RICA, San José, TIGO, R. Centro, 0606 4/9 w/Latinish mx, some pop. Uses a variety of slogans: "...en el centro de... (something) capital."; "Centro"; & "Exitosa de la provincia centrale". (DC, MS)
- 800 MEXICO, Cd. Juarez, Chih., XEROK, noted for the first time 0216 9/28 o/PJB. Bonaire is always dominant on this frequency in my area; this is pretty unusual here. Good signal w/rock mx. Bet it's really a pain in the DX for you WC'ers. (Baskind, MS)
- +11/28 0850 in CKLN partial null heard rr "Sarah" & 1 or 2 other records. At 0900 an ad for record album by male DJ "42 Hits", Jim Stafford & others, 800-243-5000 to answer ad. Fair at peaks, mostly quite poor to nil u/CKLN. PJB possibly on after 0900, doubt this was the station. Seemed to loop southwest/northeast. Never heard anything before u/CKLN/PJB. (Poda, OH)
- +w/excellent signal playing rock mx w/frequent ads for Waldo Peppers & LP records & IDs as "X-Rock-80". Heard 0530-0830 occasionally mixed w/PJB. (Allchin, NEW ZEALAND)
- +0552 12/16 in fair w/much KGO-810 slop w/ad for McDonalds, "X-rock 80" ID, into rr mx. (Wien, CA)
- +0905 1/1 w/"X-Rock 80" IDs. Second time this season it's stomped PJB. (Baskind, MS)
- +In SS 1/9 1040 w/Ranchero mx & record ads w/Los Angeles mailing address for the mx being played. (Gerardi, IL) (Might've also been a program for Laboratorios Mayos, which buys time on many border stations for an hour or two at a time.-ed)
- +Boy did this one have me faked out for a while. 1/30 0303-0400 I heard X-Rock on w/of all thing religious program. If I wouldn't have listened for the ID I could have sworn it was PJB. To top it all off underneath was a rock station which I could have mistaken for XEROK. The IDs were in SS by a YL at 0333 & 0345. 0333-0345 it was rr mx without announcements, then more religious programming 0345. At 0400 an abrupt s/on (sic) without ID. I noticed them back on at 0715 when I returned. This is probably a good case for making sure of a positive ID before claiming a catch. I wonder how many times others have made the same mistake. I listened for PJB but no dice. (Harms, UT)
- 800 NETHERLANDS ANTILLES, Bonaire, PJB, usual super signal 2325 9/13 w/programming in SS & letters from listeners. (Wood, NY)
- +O/u CKLN w/SS program 0137 10/18. Loud, pinning S-meter, w/SS religious singing then SS talk 2244 10/21. (Connelly, MA)
- +ID in EE, good religious mx enjoyed for one hour. Very good reception 10/24 0409-0505. (Wilson, CA)
- +End of EE transmission, start of DD transmission (nx). Signal bombed in,

couldn't get CKLW at all. 10/26 0010, Religious program bombing in 10/26 0413. (Townshend, DC)

+Loud w/religious mx 2245 10/28. Dominant at local strength all evening 10/31-- a most auroral Halloween. (Connelly, MA)

+R. Nederland relay 11/3 2337 w/"Concerthall" pgm. DD, EE, & other languages IDs 0003 fair. (Baskind, MS)

+Male w/ID 0430 11/13, then a male came on w/relaxing mx & inspirational talk. At 0500, 1 pip, an ID by a male. Nx followed from the TWR newsroom in Bonaire by YL. 0505 male read the EE schedule & said the following program was in SS. SS program lasted until 0545. Signal was then gone. Very good signal; must be an extreme pest EC N. America, since I couldn't null their signal. (Endza, CA)

+Like a local, alone on channel w/medical discussion in EE 2337 11/15. Good in SS w/CKLW taking a fast nose-dive into the mud during a fast change in cx 0133 11/26. (Connelly, MA)

+12/2 2330-0010 w/nx, "By Request" program hosted by Graham Gill, into DD 0010. Fair-good in CKLW null. Latest Radio Nederland schedule says their MW broadcast might have to be dropped for financial reasons. (Brooker, ON)

+Strong w/religious program discussing Christmas 0415 12/3. (Tomer, CA)

+Outrageously loud w/classical mx 2328 12/3. During this aurora PJB was the second strongest station on the whole dial, only local WOCCB-1240 was stronger. (Connelly, MA)

+In EE 12/11/77 2328 said they were "discontinuing MW transmissions from Bonaire of R. Netherlands programs"--cost was the reason given--they did not say PJB was going off the air. (Grossman, BC)

+0500-0700 12/31 always very strong Sunday nights w/XEROK off but quite uncommon other nights. When XEROK would fade, PJB was easily readable w/religious program. (Shugart, CA)

+R. Nederland has stopped using the 800 kHz Bonaire transmitter due to operational costs. (MWN 1/78)

+0507 1/11 tuned in to a s/off in EE mentioning TWR & PJB. Poor-fair in partial null of CJJC-800. XEROK faded in after this one went. (Hall-Patch, BC)

+Ultraloud, dominant w/religious discussion in EE 0017 1/13. (Connelly, MA)

+Dominating channel 1/16 0402-0500 w/religious program until 0430 ID, the good-listening mx until 0459. Then as Murley's law has it, signal faded out at 0459:30, so no ID. After that X-ROCK 80 took over. (Harms, UT)

+0504 1/26 w/ s/off announcement in EE, 0505 short anthem & off. Mixing w/unid domestic. (Bytheway, WA)

+0438-0502 2/1 religious organ mx & Trans World Radio ID, then musical interlude, single pip 0500, "mx from Trans World Radio...", then live newscast to 0502 fade-out. (Bytheway/Jones, WA)

+Loud & alone on channel; woman in SS 2235 2/3. (Connelly, MA)

+2/6 0344-0505. At 0344 I noted religious program u/XEROK. At 0400:30 XEROK went off abruptly leaving channel clear for PJB. The religious program continued until 0500. IDs at 0430, 0500, 0504. 0500-0504 World nx. All programs in EE. 0505 more programs in SS. Fair-good w/very little interference. Sunday evening seems to be the best time to log PJB if XEROK is a problem. PJB not noted during the week because of XEROK interference. (Harms, UT)

+2/14 0500 noted w/Trans World Radio ID & a single 1 second pip. Interference from CJJC & CKOK-900. (Orren, WA)

+Alone & like a local w/classical mx 2355 2/10. Excellent during heavy auroral cx 2313 2/15. (Connelly, MA)

+Killing CKLW, EE dramatic presentation in well 0441 3/5. (Connelly, MA)

+Still on w/local-like signal w/Back to the 31st program in EE, demolishing aurora-weakened CKLW 0232 4/11. (Connelly, MA)

800 ? UNID, 2/28 someone here playing Beethoven's 9th Symphony 0215. Not XEROK or CKLW. Very weak u/PJB. Haven't a clue. (Thomas, FL)

810 BAHAMAS, Freeport ZNS3, will increase power to 5 kw by end of 1978. (Arctic 4/7)

810 COLOMBIA, Bogotá, HJCY, noted behind WGY w/"R. Sutatenza" ID just after the FFC (?) signed off 0301 10/22. (Connelly, MA)

+o/u KCMO 11/3 2331. Poor-fair, didn't sound as good as 250 kw should. First time noted...just tuned in for logging. (Baskind, MS)

+Nightly regular u/local WGY, ID 2200 11/10 can even be heard on stereo. (Morby, NY)

+ID blasting away u/WGY 0159. (Ronda, OH)

+12/12 0856-0901, instrumental mx, maybe unid, then Sutatenza up fast to big 0900 ID. Het no longer noted. (Cartwright, PA)

+0900 1/2 fair, man talking "en...R. Sutatenza, Colombia". (Poda, OH)

+0440 3/2 "R. Sutatenza" ID & soccer game in SS. (Ross, ON)

+SS talk by man o/u WGY fair-good 3/8 0130. (Townshend, DC)

+nx in SS by OM announcer, IDs as "R. Sutatenza". Bombing in, completely wiping out WGY 5/3 0340-0344. (Townshend, DC)

+Dominant w/"Sutatenza" ID, ads--one about "fátbol" 0116 6/4. (Connelly, MA)

810 GUATEMALA, Flores Petén, TGFP, 11/8 fair w/trumpet jazz type mx w/heavy drum beat. Marimba lead-in to 2324 ID. Now IDing as "R. Mojóñ" & what sounded like "La Voz de la Visita", contra WRTH's R. Tikal listing. (Thomas, FL)

+1/9 1157 atop the channel w/mx "R. Mojóñ" IDs & a repeated jingle by 2 women & a man: "Flores Petén, Guatemala." (Kramer, IL)

810 t MEXICO, Tampico, Tams., XEFW, before full fade-in of KGO in their null. Usual Mexican mx, recorded reverb ID sounds like "Esta es --- (about 4 syllables w/trilled r) --- R. Allay see yah..." 0115 11/10. (Shugart, CA) (Could have also been R. Variedades, XERSV ("ehreh-eseh-beh")--ed)

+1/11 1223, blasting in w/SS talk mentioning Tampico. (Kramer, IL)

810 PUERTO RICO, San Juan, WKVM, o/WGY, Colombia not noted; SS mx, talk, WKVM jingle, 2328 10/21. (Connelly, MA)

- +Fair through a TT or het MM 3/27 0838 w/Latin mx, "KVM" jingles & TCs between songs. Sounded automated. (Lazar, WI)
- 810 ² UNID, 12/12 0616-26, either ZNS-3 w/Music Til Dawn or R. Progreso in Cuba. Poor signal, no WGY OC, instrumental EZL mx, YL announcer, but hard to make out. Bad CKLW-800 slop, also a het, you wouldn't suppose maybe from a TA? (Cartwright, PA)
 +Sutatenza? 0848 1/2 poor SS & marching band & then man talking. Loud 1 kHz het from 809? Fades out before ID, etc. (Poda, OH)
 +Wobbling, drifting Latin American yielding wavering het on (nulled) WGY & assumed WKVM/HJCY mix 0034 3/29. (Connelly, MA)
- 820 COLOMBIA, Cali, HJED, "La Voz de Rio Cauca" ID at end of nx: fair-good 0015 11/2. (Ronda, OH)
 +CARACOL ID 10/8 0526 u/WBAP. (Seaver, CA)
 +10/8 0630 u/WBAP, poor. (Beauregard, QU)
 t +11/17 0330 Latin mx, OM announcer, & finally ".en Colombia..." quasi-ID. Poor u/Cuban, WBAP, noise, & a host of others. (Baskind, MS)
 +1/5 atop channel in aurora w/SS mx & many mentions of Colombia. (Kramer, IL)
 +Atop WBAP w/festive Latin vocal mx 0347 1/15. (Connelly, MA)
 +Good w/nonstop mx to 0900 1/16 when ID w/many mentions of Colombia was heard. (WBAP off. (Bytheway, WA)
 +In clear 1/16 0932 w/WBAP off. (Seaver, CA)
 +Good w/SS pop mx 0635 2/4. Good w/mx program live from Bogotá 0239 2/5. (Connelly, MA)
 +Booming in during excellent Latin American cx. CARACOL ID, SS political talk 0205 2/17. (Connelly, MA)
 +O/other SSers; Colombian mx 0512 3/3. (Connelly, MA)
 +A juggernaut here, ploughing in w/"Modello" ad, "primer (something) de Colombia" nx about Aldo Moro kidnapping in Italy, CARACOL ID, brassy mx, disco ad, 0528 5/6. (Connelly, MA)
 +5/22 0527 fair-poor in partial WBAP null w/mild Latin mx, 0531 "Música de Colombia" & mentions of CARACOL by SS OM. (Bixby, CA)
- 820 CUBA, La Habana, CMCA, 11/8 excellent "R. Metropolitana" ID by YL 0023 in WBAP null. Playing Russian folk songs complete w/"Hey!" but in SS. (Thomas, FL)
 +Noted 11/17 w/WBAP nulled out & interference from HJED. This at 0306. Poor-fair. (Baskind, MS)
 +SS talk by male announcer, Latin mx sung by female vocalist fair 12/10 0202-0206. (Townshend, DC)
 +2/1 0459-0501 w/SS talk by YL into martial mx. I'm pretty sure it's not HJED because they said "Patria o Muerte", which is the motto of Cuba. Fair signal fighting WBAP. (Brooker, ON)
 +Several rock songs by Abba, ID w/military mx 0131, then more rr. Signal as high as 5-3, 2/18 0122-0141. (Townshend, DC)
 +Cadena Provincial de la Habana is still here despite the MWN report that "CMCA" had moved to 860. Clear ID heard 0359 3/19. (Stanbury, ON)
- 820 ^t GUATEMALA, Guatemala, TGTO, likely the source of Marimba mx way u/WBAP 1148 2/20; nothing else noted except for brief bit of unreadable SS 1158. Marimba mx, which sounds something like a wooden xylophone, is typically Guatemalan, though it's sometimes found in neighboring countries. It should be added to the list of types of mx which readily penetrate noise, interference, and other crud. (Portzer, WA)
- 820 ² UNID, SS talk, could be Colombia or Dominican Republic. Unable to ID, fair signal 8/25 0200. (Townshend, DC)
- 825 COSTA RICA, San José, TIOS, noted in passing 0450 8/29 w/YL babbling "Titania" o/SS rf song. (Bytheway, WA)
 +Fair w/Latin mx, SS announcements, approximately 20 Hz SAH prominent 0152 10/5. (Everitt, OK)
 +Noted in passing 0521 1j/7 w/sweet young thing intoning "Titania" voiced o/each song (American pop mx). Measured at 825.045 at 0544 12/16. (Hall-Patch, BC)
 +0517 1/11, heard the usual YL intoning "Titania" o/the records. Fair signal, soon faded. This seems to be the most common Latin split here after Belize-834 and YSS-655. (Hall-Patch, BC)
 +Fair w/"Titania" ID by YL then soft jazz 0640 2/5. (Connelly, MA)
 +In dogfight here w/Panamá w/2 SS vocals, one of which had the familiar "Titania" overdub; SAH 6 Hz 0320 2/13. (Connelly, MA)
 +Fair w/Latin MOR & "Titania" ID 0514 3/5. (Connelly, MA)
 +Sweet young thing intoning "Titania" o/slow vocal mx 0552 3/18. PFM of 824941 Hz, 1 Hz error. Signal fair at best. (Hall-Patch, BC)
 t +3/31 0314-17 fair, no interference, downbeat SS vocal, little talk heard. (Cartwright, PA)
 +Titania dominant 0528 4/5 w/usual YL ID. PFM 825013, up some 70 Hz from measurement on 3/17. Panamá faded up briefly 0532--first time I've heard these 2 together. (Hall-Patch, BC)
- 825 NICARAGUA, Managua, YNOL, SS mx w/male announcer "11 y 16 R. Oñgas de Luz" (Means R. Lightwave!) 12/3 0415. (Beauregard, QU)
- 825 PANAMA, Macaracas, HOR56, 10/29 1021 "R. Peninsula" yelled by OM o/distinctive rhythmic mx. Fair-good signal, not bad for 1 kw. (Hall-Patch, BC)
 +Man hollered SS word for "Attention!" followed by "R. Peninsula" ID 1345 12/4. Was all Costa Rica later on. (Feltman, PA)
 +Dominant o/SAH (Probably Costa Rica) romantic-style SS vocal mx, "R. Peninsula" ID, TC, 0236 1/13. (Connelly, MA)

- +0556 2/27, "R. Peninsula" ID noted w/OM shouting o/rhythmic mx. Poor-fair signal. PFM of 825036 w/1 Hz error. No Costa Rica noted. (Hall-Patch, BC)
 +Noted yet again 0514 3/15 w/EST TC & ID by OM. Has this hiked power? No sign of Costa Rica at this time. (Hall-Patch, BC)
- 825.6 a? UNID, too variable to get a PFM, but somewhere around 825.55 0528 5/3. Fairly strong carrier & weak bits of audio--mx & OM talking. Way u/noise level though. No sign of Cost Rica or Panamá on 825. (Hall-Patch, BC)
- 825.7 a? UNID, mystery carrier here maybe the same as unid-826 a few weeks ago. This a 0408 4/6, also 0428 4/12. Too weak for PFM w/het from Cost Rica fouling it up. (Hall-Patch, BC)
- 826 a? UNID, weak carrier in a Latin America direction 0553 3/21 & 0421 3/24 putting het on Costa Rica-825, PFM 825950 (5 Hz error) on 3/21. Too much noise to watch SAH adequately. Any suggestions? (Hall-Patch, BC)
- 830 COLOMBIA, Medellín, HJDM leading the pack w/"R. Vision" ID 0531 5/6. (Connely, MA)
 +6/13 1000 OM in SS w/many RCN IDs. This means they're now RCN as suspected in DKWW II. (Korinek, CA)
- 830 DOMINICAN REPUBLIC, Santo Domingo, HIJB, call letter ID into Latin flavored MOR mx 11/3 0009. (Ronda, OH)
 +Alone & in the clear w/contemporary SS & Latin mx 2/6 0016. Fair-good overall. (Baskind, MS)
- 830 GUATEMALA, Mazatenango, TGAV, heard w/classical mx & informal "R. Guatemala" ID 0324 5/20. (Baskind, MS)
- 830 MEXICO, Culiacán, Sin., XEVQ, clear ID: "VQ en Culiacán", 0218 10/26. (Shugart, CA)
 + "La VQ" ID 0129 2/26. (Beverage, CA)
- 830 MEXICO, México, D.F., XELA, finally noted call letter ID, TC, and chimes 0411 10/29 after a couple of hours of wall-to wall orchestral mx. Had been nil-fair since 0215, though I hadn't monitored it the whole time. Bad het from still unid on 831. (Hall-Patch, BC)
- 830 VENEZUELA, San Antonio de los Altos, YVLT rising atop presumed Dominican Republic/WNYC-830 mx, loud & clear w/ID slogan "R. Sensación--la emisora más música de Venezuela" 0041 7/24. (Connely, MA)
 +International mx w/SS "R. Sensación" 0405 12/3, Charles Aznavour/Yo te rarecalor, then Donna Summers, good. (Beauregard, QU)
 +Poor briefly u/WCCO 1/9 0946 w/"R. Sensación" ID & SS mx. (Lazar, WI)
 +2/1 0455 w/s/off announcement giving BCB & SW frequencies, IDs as "R. Sensación", s/off announcement followed by Venezuelan national anthem. Fair signal w/absolutely no sign of WCCO. (Brooker, ON)
 +Now varies with a card from E. Bellorim, Gerente. (MWN 3/78)
 +In w/monster signal, totally dominant; fast exciting Latin vocal dance mx, "R. Sensación" ID, then festive Latin group vocal w/electronic synthesizer accompaniment 0445 3/5. (Connely, MA)
 +0420 4/1 SS mx & singing, OM DJ w/"R. Sensación" ID. (Ross, ON)
 +Loud w/"R. Sensación" ID, then spirited brassy mx leading into male SS vocal 0318 6/4. (Connely, MA)
- 830 ? UNID, in the silence of WCCO 11/21 MM, observed 0920-0954, frequency had faint something from southeast, undoubtedly Argentina, & stronger something from west, no doubt KIKI, but heavy static as on a July night, made IDing anything impossible. (Martin, CO)
 +SS atop WCCO 0219 1/1 w/tropical & disco mx. (Portzer, WA)
 +0358 2/7 SS man & cuckoo clock TC; same man noted a minute later babbling on about something--may have been s/off as they had a national anthem at 0400 & carrier off 0402. (Bytheway, WA)
 +1/11 OM shouting news briefs spaced by American march mx cuts 0218-0230. Two mentions of Guatemala, then "R. Mundo" ID 0236. Fair in XELA null. New call for R. Satellite? (Thomas, FL)
- 831 ? UNID, 0425 10/26 somebody looping to Central America noted here w/het on 830. Occasional audio yielded slow ballads & excited OM in SS. Lotsa static. WRTH lists Honduras on 830 as a wanderer, so maybe them. (Hall-Patch, BC)
 +Setting up het w/WCCO 0435 12/8. Managed to extract bits of audio w/OM in SS & maybe a jingle but general noise & bits of hets from WCCO & Belize made it virtually impossible. Soon disappeared for good. (Hall-Patch, BC)
- 831.5 ? UNID, 0447 10/5, carrier here nulling toward Central America, no audio though. Setting up hets w/WCCO and Belize-834. (Hall-Patch, BC) (Noted here also as nothing more than a het on many evenings recently.--ed)
- 833 ? UNID, lively SS mx w/frequent announcements, none of which proved fruitful 0646-0712 10/16, then faded. Tuned back in 0844, noted same format w/GM7-5 TCs, possible "R. Romantic" ID 0855. (Beverage, CA)
- 834 BELIZE, Belize, 8/27 0501 nx w/YL reading in EE, alternating w/man in SS. Fair steady signal but readability suffered due to high static level. S/off followed at 0503--"Another day of hard work..." etc. (Hall-Patch, BC)
 +Best ever heard here 8/29 w/basketball game from Rogers stadium in progress 0428-0447. A lot of booze ads. 0447-0500 YL playing Jim Reeves mx, 0500 musical chimes followed by ID & Editor's Notebook. (Allinson, NC)

- +9/21 0458 w/steel band mx. A-index at 42 tonight, signal much better than WCCO. (Bixby, CA)
- +Another one which has been at local level this fall, noted badly slopping 830 on the portable 0130 10/5. (Everitt, OK)
- +10/13 0500-0512, nx in EE & SS. Wx, then prayer. Belize & British anthems. S/off 0512, good. (Bergman, CA)
- +0050 10/15 EE, selection of rock mx, TC, more rock mx, this is mostly a nightly station. Fair. (McClenaghan, ON)
- +Unusually good evening of 10/16 until s/off 0510. (Portzer, WA)
- +Super signal & clear ID for my tape library 0507 s/off 10/17. (Baskind, MS)
- +Poor w/EE talk 0134 10/18. (Connelly, MA)
- +Potent w/Yes hit & other rr in a canned American Top 40 style rock production 0421 10/30. (Connelly, MA)
- +Noted on w/mx program of EE & SS songs, EE announcer 1120-30 11/14, which is an hour before listed s/on. Signal good, audio mushy. (Peterson, CA)
- +First time heard despite several tries. Clear w/nx alternating in EE & SS, ID, wx, s/off w/national anthem 0516 11/18. (Shugart, CA)
- +11/20 0148 Andy Gibb's hit "You're My Everything" (in EE this time). At 0150 man w/British accent talked about song, then into "You're So Wonderful", fair volume. (Poda, OH)
- +Good w/Christmas mx 0420 12/3. ID "This is R. Belize" also 0245 12/29 w/old pop & cw. All this w/EE announcer. (Beauregard, QU)
- +Good w/EE ID, bank ad, soft Caribbean mx 0046 12/4. (Connelly, MA)
- +12/5 0500-0510 w/ID, nx in EE & SS, s/off 0510 w/national anthem & "God Save the Queen" fair w/WCCO slop. (Brooker, ON)
- + "Finlandia" by Mormon Choir, EE talk by YL announcer. S/off w/Belize national anthem & "God Save the Queen" weak 12/5 0508. (Townshend, DC)
- +Noted in passing very strong 0141 w/Anacin & Dristan ads, then ad for "big jumbo sale" at store selling watches, another ad for cold relief medicine, then into religious program. Also heard at S9 level 1143 w/EE religious program, 3 times better than WCCO! (McNeil, DC)
- +Poor at 0813 12/8 w/"Little Drummer Boy", Christmas mx, ID at 0816. Not heard at this time since. (Bixby, CA)
- +Noted on late again 0545 12/22 w/Christmas mx. Very good signal, no interference. (Baskind, MS)
- +Heard w/fair-good signals 12/24 0450-0515 w/CHRISTMAS mx. This station is heard very rarely due to TVI, but tonight no TVI at all. (Block, OR)
- +1/21 0440 good w/4 kHz het & mx in EE. (Beauregard, QU)
- +Fair w/drama in SS 0440 2/9. (Tomer, CA)
- +Fair w/EZL male vocal 0322 2/13. (Connelly, MA)
- +Good w/cw mx noted in passing 1109 2/20. (Portzer, WA)
- +Good w/disco-rock 0446 3/5. (Connelly, MA)
- +3/22 0055-0110 at 0102 YL giving nx, strong carrier but weak audio. (Curtis, VT)
- 840 COLOMBIA, Santa Marta, HJBI, "Ondas del Caribe" ID 0500 10/21. Apparent s/off as Colombian national anthem followed. Some WHAS interference. (Hall-Patch, BC)
- +Atop WHAS w/"Ondas del Caribe" ID 0200 10/26. (Godwin, OR)
- +Likely the one u/WHAS 0440 2/6; SS talk & mx, & several mentions of Colombia. (Tomer, CA)
- 840 CUBA, Santa Clara, CMHW, Latin mx u/WHAS, fair signal 12/18 0133. (Townshend, DC)
- + "Dobleve" bombing in w/EE rr & "Esta es Dobleve, Cadena Provincial" top of hour. (Baskind, MS)
- +2/13 0802 in good w/"R. Habana Cuba" ID by OM, also SS mx typical of R. Habana Cuba net. (Korinek, CA)
- +3/27 0450-0500 totalling WHAS & in same general direction as nulling one lost the other too, so probably Cuba. No ID heard as WHAS took over again on hour. Strangely never even detected before & I used to listen often to WHAS in evenings. (Shugart, CA) (Could also be Panamá or Colombia.--ed)
- +6/12 0928 on top w/national anthem //660. (Korinek, CA)
- 340 ? CUBA, La Voz de Cuba relay here most mornings prior to CMHW's s/on w/good signal at times. Maybe listed CMKC, R. Revolución. Dunno. (Baskind, MS)
- 840 HAITI, Cap Haïtien, 4VEF, excellent-poor w/religious show, then mx w/interrmittent talk in both Creole & EE, many IDs 0105 8/13. New Country. (Morby, NY)
- +Presumed the FF speaking station 0201 w/FF talks by man u/WHAS & Cuban. Poor & only lasted a short while 12/8. (McNeil, DC)
- 840 MEXICO, Celaya, Gto., XEFG, in w/good signal 0130 12/3, had OM talking, then perfect "XEFG" ID by YL. (Tomer, CA)
- +4/16 1204 must be the one w/SS mx & possible "R. Juventud" ID. (Korinek, CA)
- 840 NICARAGUA, Managua, YNRR, in well 0131 6/9 w/"R. Noticias...siempre te un companio." ID by YL. Fair. (Baskind, MS)
- 840 PANAMA, Panamá, HOL80, 0658 9/26 surfaced for "R. Libertad" ID & mentions of Panamá. (Kaskey, CA)
- +0100 10/29 noted fair w/march mx then OM in SS: "October, month of the revolution, October month of the ???, October, month of the constitution" followed by mention of the Panamanian people & probably "R. Libertad" ID. Audio quality had deteriorated by that point; some unid interference. (Hall-Patch, BC)
- +10/29 0620-0635 fair o/u WHAS in partial null w/"Alone again" in SS & Latin mx. Mentions of Panamá 0629 but Libertad ID not noted. (Thomas, FL)
- +12/5 1104 w/ID by YL. (Seaver, CA)
- +Knocking over bricks & stuff w/weird flutelike mx 0454. ID 0457. 1/26 0458 TC as "las doce, la hora oficial de Panamá", then interview program. (Bytheway, WA)
- +0700 4/9 SS mx faded into fanfare & ID, "...desde la Ciudad de Panamá, transmite R. Libertad...". Mentioned 840 kHz & 2 phone numbers: 64-55-70 and 64-52-69,

- also gave the address listed in WRTH. Then gave TC as "hora oficial de Panamá" (Bytheway, CA)
- 840 t ST. LUCIA, Castries, R. Caribbean, may have been the station I heard 0915 2/20 w/WHAS looped. Was in EE & seemed to be just coming on w/a "Good Morning" & a rooster crow. Does this sound like a familiar s/on to anyone back east? (Peterson, CA)
+IDs as R. Calypso. Hopes soon to have a second transmitter so that they can broadcast fulltime in both EE and FF, instead of the present split schedule. (MWN 3/78)
- 840 ? UNID, couple of Latin Americans here in WHAS silent period MM 12/19 0805-0929, but failed to ID either one. One station has announcers voice so mushy was difficult even to recognize it as SS. One of them in MoR U.S.-type ballad tunes around 0900. First WHAS SP noted in 2 or 3 years. WHAS back on RS 0929. (Martin, CO)
+Noted at about 0700 on a MM w/WHAS off. After what sounded like a lead-in w/a twitching guitar, a man says in what I hope looks like in SS, "pairl de semi escotal de R. Visión, pairl!" then twitching guitar faded back into the distance. Could this be R. Televisión in Choluteca, Honduras? (Ayers, MS)
- 840.3 EL SALVADOR, San Salvador, YSF, Murley's Law on vacation 0500 11/21 as this came up from a slight het on 840 to fair strength w/s/off. Mentions of frequency, YSF call & probable "R. Vanguardia" ID, followed by El Salvador national anthem. S/off time different from WRTH. (Hall-Patch, BC)
- 850 COLOMBIA, Bogotá, HJKC, 1/5 0214 fair, but alone during aurora w/SS mx. (Kramer, IL)
+3/6 very good & alone w/segued songs (tame Latin mx, BeeGee's in SS). Numerous "Caracol en Colombia"s at 0900 but no "Emisora Nuevo Mundo". Puzzling is the "R. Televisión" mention at 0848. (Thomas, FL)
+"Primera Cadena Radial Ccolombiana" otherwise known as "Caracol". Caught this one w/KOA off. Fantastic signal; mixing w/Mexican but HJKC dominated most of the time 0814-0840 2/27. Just got new receiver & this is my first South American. (Burgess, SK)
+O/u other Latin Americans, WHDH nulled w/phasing unit; brassy mx //820 0528 5/6. (Connelly, MA)
- 850 DOMINICAN REPUBLIC, Santiago, //860 w/ID, Latin mx 0922 4/9. Better signal than 860 outlet w/much less interference. Not heard since on any equipment. (DDC, MS)
- 850 h GUATEMALA, Guatemala, TGX. Interference from OLM beacon on 2nd harmonic of 1700 kHz 0810 4/3. Romartica & Marimba mx format. (Baskind, MS)
+First noted on its fundamental 0808 4/17, now a nightly (AN) pest. Funny, I watched this frequency all winter without a trace of TGX. Seasonal. (Baskind, MS)
- 850 MEXICO, Mexicali, B.C., XEZF ir. w/good ID 1230 8/7, local spots, boisterous SS mx, strong signal. (Tomer, CA)
+Loud 0155 12/3 w/Ranchera mx, perfect full legal ID 0200. (Tomer, CA)
- 850 MEXICO, Zaragoza, Coah., XEZR, recorded announcement w/call, city & state mentioned, into babble by another guy, then several spots 0442 2/26. (Beverage, CA)
- 850 ? MEXICO, unID, o/KOA w/KOA nulled, OM doing spots, playing Mexican mx 0140 11/19. (Shugart, CA)
- 850 URUGUAY, Montevideo, CX16, 0309 12/5 I was listening for Dominican Republic on 860 w/TRF but must have been tuned too low by mistake. The frequency was a jumble of Latin American signals, this one surfaced 0309 w/instrumental mx. At 0310 an OM gave s/off announcement consisting of AM & SW frequencies, mentions of Montevideo, & about 5 "R. Carve" IDs. He said something about 4:00 am the next day, I suppose the s/on time, followed by a "muy buenos noches..." & carrier off 0313, contrary to WRTH. Was taping, but bad het only shows up about 1/2 of the s/off. First DSA. Very surprised w/this one. May have been a bit off frequency as sig was mixing w/usual 860 trash & produced a het. (Baskind, MS)
- 850 ? UNID, w/KTAC nulled & Colombian on top, another SS appeared way down in level 0935-1005 11/28. Suspect Guatemala because of marimba mx but no ID or other clue heard. Can anyone confirm my tentative idea?
+12/18 0750, lively Latin mx & phone-in show audible here in KOA null. Electronic marimba or piano lead-in to 0800 "R. Viento (be-AYN-toe)" (???) ID. Unsure of call but not "R. Ciro's". One mention of Guatemala. Nil-good w/deep fades. (Thomas, FL)
- 854 PERU, Lima, OAX4A, little more than a carrier 1018 10/10. (Peterson, CA)
+"R. Nacional..." mention 0837 10/16 & lively mx, "más música..." mention 0839. (Beverage, CA)
+0610 10/30 SS; heard light mx, 0615 full ID, into more Latin mx. (McClenaghan, ON)
+In well 1049 1/2 w/ singing. (Peterson, CA)
t +Weak Andean style mx heard 0326 2/3; then SS talk 0335. Barely perceptible. No ID yet. (Tomer, CA)
+w/flute mx 0427 2/6; good "R. Nacional" ID 0456. (Tomer, CA)
+Noted w/Latin mx w/KTAC slop partly nulled 0750 2/13. (Portzer, WA)
+2/13 0934 in fair-good w/OM talk in SS. (Korinek, CA)
- 854 ? UNID, fair-good carrier looping southeast 0635 10/24 in KTAC splat. No audio. Peru seems most likely. (Hall-Patch, BC)
- 860 t BRAZIL, Rio de Janeiro, ZYD68. 1/9 tuned in 0716 to hear Carly Simon, first thought domestic ET, then caught announcement 0716 in unid language pretty sure

PP as PP was heard later on TV and was quite similar. More rock, fade out 0735, on channel until 0750, no more sign. WRTH lists as 24 hour, 100 kw. Foreign Log says "The rock of Rio" (Cartwright, PA)

- 860 DOMINICAN REPUBLIC, Santo Domingo, HILR good w/rapid fire SS talk & occasional mentions of "Clarín" atop 2nd station which seemed to be the Brazilian 0044 7/24. (Connelly, MA)
+8/29 0835 in good AN w/usual programming. (Korinek, FL)
+Fair signal 2350 9/13 w/"R. Clarín" ID, no CJBC-860. "R. Clarín" translates into EE as "R. Trumpet". (Wood, NY)
+Still here on 860; noted dominant w/SS talk, "R. Clarín" ID 0525 10/9. (Connelly, MA)
+Domestic programming can be heard on 850 parallel to the old frequency of 860. (SCDX)
+Always on 860 w/ID 0130 12/4; also heard during Christmas week. (Beauregard, QU)
+Likely the strong station here w/Latin mx, brassy style; at 0631 12/4. (Connelly, MA)
+SS talk by male announcer, mention of "Clarín". Signal fair u/CJBC-860 12/18 0159. (Townshend, DC)
+Fair signals 0958, ID just after the hour as "R. Clarín", SS talk by OM & YL. (Oliphant, AB)
+Must have been the Latin American station in for about 5 minutes o/WDMG-860 w/fair signal, tropical mx 1/5 0640. (Baskind, MS)
+First time heard on MW in a while, apparently has 1000 s/on (0600 local time), had SS light rock, 1/15 1005 no sign of Clarín informative nx program, makes it in on 25 meters. (Cartwright, PA) (They've been noted on earlier than 1000, and are listed as 24 hour.--ed)
+0115 2/6 in good w/fading, heard "R. Clarín" & "de Santo Domingo". Sounds like "Rah-dee-oh Clar-reen." (Curtis, VT)
+Best ever 2/6 0930-35, good ID 0933. (Seaver, CA)
+2/22 good w/upbeat Latin mx (merengue) & 2330 "R. Clarín" ID. (Thomas, FL)
+2/27 0637 o/u YNAV w/same type of mx as the Nicaraguan which made IDing the mess difficult. First definite ID on this one: "R. Clarín...en el corazón del Pueblo!" (Baskind, MS)
+Good-excellent o/CJBC-860 OC; female soul style SS vocal, then "R. Clarín" jingle & man in SS 0535 3/5. (Connelly, MA)
+Loud w/festive Latin mx. Long dissertation w/political mentions of "Balaquer--Presidente!". Then more talk followed by "R. Clarín" ID & electronic sounds 0538 5/6. (Connelly, MA)
- 860 MEXICO, Culiacán, Sin., XENW, 2/26 0223 "Casa Roja" ad & mention of Culiacán & "N-W". (Clements, CA)
- 860 MEXICO, Tijuana, B.C., XEMO, 11/28 0710 fair, loop west-southwest. In EE, call 297-8000 for program schedule. Then travel promotion for México city & into quiet mx. At 0728 "This is XEMO, 860, Voice of Inspiration for the southwest, by the Gates Co. of San Diego." Volume equal to KFI, although my 72 WRTH lists them as only 5 kw. (Poda, OH)
+12/12 0759 w/typical religious program, ad given for San Diego. Faded out to KTRB-860 w/Nicaraguan nulled, gone in 10 minutes. (Cartwright, PA)
- 860 NICARAGUA, Managua, YNAV, 12/12 w/up & down signal, at times excellent 0637-0735 Is this change of schedule and/or power? This is much DXed frequency & first time heard. "Cadena Continental" jingles after each song, lively SS vocals. Finally in jingle 0735 heard "En Managua...con musical, la diferencia es Continental", also "Cadena Continental, la más música todas horas de la día." (Cartwright, PA)
+Noted 12/20 from 0655 tune-in to past 0730 atop Dominican Republic (which was surprisingly poor), XEMO & possibly XENL. (Stanbury, ON)
+Apparently the one here w/ad ending "...en Managua." 0945 1/30; momentarily good signal, but severe KTAC-850 splatter. (Portzer, WA)
+Is seemingly AN now; was noted o/u interference 0637 2/27 w/laid-back romantica mx & "Cadena Continental" ID 0639. Poor-fair overall. (Baskind, MS)
+3/6, noted here 0920 w/soporific Latin mx. (Thomas, FL)
+Good w/CJBC-860 nulled 0500 3/27 while waiting for WXAP DX test. "Cadena Continental" ID on the hour giving frequencies in different cities. Mentioned "las más oidas emisoras unidas" which confused me at first because I thought it was the station's ID. (Lazar, WI)
- 860 PANAMA, Chitré, H0L55, good o/Dominican Republic w/classical mx, "R. Reforma te oye" ID 1/9 1040. (Lazar, WI)
- 860 [?] UNID, 1/23 0856-0911 strange sounding man in SS, would say 4-5 words, pause maybe 10 seconds, then continue w/another phrase for 2-3 minutes, then different man heard, talking normally, maybe a dramatic program? 850 slop killed it for a while, then Nicaraguan took over 0911. Looped just to the east of south. (Cartwright, PA)
- 865 [?] UNID, rapid-fire SS talk w/fair signal (at 2 on S-meter), talk by male announcer 0302, lasted until 0337, at which time Latin mx began. I'm betting on the Dominican Republic station changing frequency or else a new Latin American station just opened. The Ecuadorian, listed at 400 watts, seems too good to be true. 11/18 0302-0340. (Townshend, DC)
- 870 CUBA, Guantánamo, CMDN, good 0020 w/SS talks by somber OM; good o/station w/"Sportsline" program. //590 9/2. (McNeil, DC)
+Dominant o/low het; man & woman in SS 0535 5/6. (Connelly, MA)
+WVWL off & testing 5/8 0630-0825+ & this was all I got. Good w/"La Voz de Cuba" IDs & SS talk. Unid way u/CMDN w/frenetic Latin mx. (Thomas, FL)

- 870 NICARAGUA, Managua (?), YN--, R. Centro, finally pinpointed (after a fruitless 4 1/2 month vigil listening to endless cuckoos & GMT-6 TCs) 2/4 0057. I managed to get a decent null on WWL w/the TRF's loopstick & the spiral loop...at 0058 1/2 OM went into a series of "R. Managua-R. Centro" mentions & at 0101 I heard a "R. Centro, Managua" way o/WWL. Question: where did this beastie come from? The R. Managua listed for 960 has been reported there recently by local DXer & IRCA member Robert Forsman, so no ideas here. (Baskind, MS) (It's interesting to note that there is a widely reported Managua station on 860 & another listed on 880. Either the Managua stations are getting crammed horribly close together or else the station you heard isn't really in Managua. Possibly it's a station in another city relaying a Managua station.--ed)
- 870 PUERTO RICO, Hato Rey, WHOA, briefly o/het growl w/"87-HOA" EE ID 0240 1/13. (Connelly, MA)
- 870 a? UNID, R. Centro mystery persists here. Still noted most nights until 0300 fadeout u/WWL w/many TCs & cuckoo noises. Gerry Thomas advises that there used to be a Guatemalan here several years ago, but seems to be too good to be true. Is Colombia GMT-3 or -6 this time of year? (Is GMT-5 the year 'round.--ed) I'm starting to think this beastie is the Ibaque station w/a slogan change... certainly not the Cuban. (Baskind, MS)
- 870.2 ? UNID, 0356 12/7 Latin American here putting het on WWL. Fair audio for a few moments w/brief choral rendition of "Silent Night", then OM in SS. Heard mention of "R. ???" but too much CJVI-900 splash & general crud to get anything definite. (Hall-Patch, BC)
+R. Centro is the slogan of a semi-nightly mystery here u/super-dominant WWL. First noted last November, but there was nothing more heard than SS & mixed types of LA mx at that time. This must be Hall-Patch's 12/7 unid judging from the het. Many TCs as GMT-6...this would seem to rule out the Colombian. Cuckoo noises in between songs and announcements. I have heard a few Guatemalan mentions (loop would agree), leading me to believe this is a new one...any ideas? (Baskind, MS)
- 875 COSTA RICA, Liberia, TIGPH, 0600 10/30 in SS, heard ID as "musicales...Monumental", Latin mx, then faded out. Very poor. (McClenaghan, ON)
+Very poor w/operatic Latin mx & terrific WWL-670 slop: 5/2 0441. (Thomas, FL)
- 875 ? UNID, 0443 11/19, carrier then weak audio in CJVI-900 splat, OM yelling excitedly in SS, a f6thol game? Soon faded, though carrier remained. Costa Rica the best bet. (Hall-Patch, BC)
- 880 CUBA, Pinar del Rio, CMAF unusually strong w/EZL mx & YL talk 0821 8/28. (Portzer, WA)
+Has been unusually strong here for the past week or so. Very good signal 0230 9/20 w/only slight hash on frequency. (Baskind, MS)
+o/u WCBS w/woman in SS 0129 10/18. (Connelly, MA)
+ID 0602 10/29, slogan seemed to be "R. Enciclopedia Nacional"; distinctive "La Habana Cuba" made it through clearly. Professional-sounding female announcer. Apparently AN. (Godwin, OR)
+11/21 0855 w/good signal. ID 0900 "R. Enciclopedia". (Lobel, CA)
+Latin mx weak w/WCBS 12/4 0533. (Townshend, DC)
+12/12 0745 excellent w/WCBS off, usual beautiful mx w/YL //690. (Cartwright, PA)
+12/19 0858 w/talk & mx. No apparent ID on the hour. Lots of noise. (Lobel, CA)
+12/31 0700, 1/1 after 0900. Had been way below Guatemala but on top 0700. Mixing weakly w/very weak WCBS after Guatemala s/off. YL w/EZL mx. (Shugart, CA)
+1/16 0659 good w/clear "R. Enciclopedia" ID. (Bytheway, WA)
+Assumed source of quiet piano mx heard 0923 2/6. Fair signal. (Tomer, CA)
+Heard very well through unusually weakened KRNV-380. Program in SS 0459-0505 3/4. ID 0500. A pleasant surprise. (Harms, UT)
+Noted w/SS vocal //670: CMAF mostly w/WCBS 0440 3/5. (Connelly, MA)
+Noted o/KRNV-880 4/30 0500-0510 w/beautiful mx. (Harms, WA)
+Woman announcer & semi-classical mx has been heard many evenings these past few months after KRNV signs off. Sometimes WCBS comes in w/them but more often Cuba is alone. Have never had a clear ID as I don't understand SS that well. (Meehan, CA)
- 880 GUATEMALA, Guatemala, TGJ, 9/27 0500 good signal, good ID "Nueva Mundo, aqui Guatemala." (Bergman, CA)
+R. Nuevo Mundo", ID by OM noted 0436 10/29 after organ mx. Poor-fair signal w/some CJVI-900 splat & a low het interfering. (Hall-Patch, BC)
+Here 12/5 1019 w/ID, TC. This used to s/on 1100, now on around 1000 in clear until KRNV OC on before 1100. (Seaver, CA)
+12/31-1/1 0619-0900 s/off. Great signal for first time reception, new country! Marimba mx, 0633 recorded jingle w/female voices, "...Nuevo Mundo...Guatemala." S/off very good "Muy Buenas Noches." Good way to start New Year. (Shugart, CA)
+In clear 1/11 for ID 0500. KRNV totally out even when TGJ nulled, first time that's ever happened. Brought back memories of 880 before KRNV when TGJ was an evening regular. (Seaver, CA)
+Estacion Nuevo Mundo" ID noted in passing. Fair signal w/no KRNV interference but low het on channel. (Hall-Patch, BC)
+In w/sports nx 0259 2/6. Fair signal, but considerable interference from the Cuban monster. At least WCBS was absent. (Baskind, MS)
+R. Nuevo Mundo" ID loud & clear 0430 2/26. (Seaver, CA)
+Apparently the one here various times 0809-0903 3/6 o/u Cuba, u/KRNV-880 OC. Guatemalan elections were held 3/5 & programming sounded like election returns w/a couple of IDs sounding like R. Nuevo Mundo. (Portzer, WA)
+W/mucio mentions of Guatemala 0155 4/9. (Beverage, CA)

- +5/22 0453 fair-nil in KRNV-880 null w/SS YL love ballad 0456 s/off announcements & ID, off by 0500. This one kept me wondering for a long time because of their varied format--sports on 5/18 & religion 5/19. (Bixby, CA)
- 880 HONDURAS, R. Honduras here //890 (which was quite potent at the time). This ought to settle the dispute; there are 2 transmitters, period. The 890 job definitely had a power increase when it was taken over by the junta. Both stations announce Tegucigalpa. 550 is also supposed to be //. (See also 890--(Meehan, CA))
- 880 [?] MEXICO, 12/26 0159-0208 in null of KRNV-890. SS fair-good, then lost in static, XEPNK on post-sunset? ("Not currently on air" per Vane Jones 11th edition). (Shugart, CA) (XETZ is heard here every once in a while.--ed)
- 880 [?] UNID, station believed to be Cuban, woman announced ID as Radio something. Too high static to record. Beautiful mx 0610-0705 11/5. (Wilson, CA)
 +YL in SS playing beautiful mx, weak, mixing w/weaker nulled WCBS after 0610 KRNV-880 s/off 11/19. (Shugart, CA) (probably Cuba.--ed)
 +May be Guatemalan, heard often lately after KRNV s/off; has SS vocals. Good signal 0915 2/6. (Tomer, CA)
- a? +was listening to WWL when I noted horrible interference from what turned out to be around 830. Some sort of frequency-shift keying...really tore up everything between 850 & WLS. Super signal pegging my S-meter on DX-160. Usually operated for 20 second periods, then off. Arriving from northwest/southeast according to TRF. Not noted other nights. Worst BCB interference I've ever heard...even tops WTIIX. (Baskind, MS) (My first impression is that it's a nearby shortwave station leaking into your receivers.--ed)
- 885 MONTSERRAT, Plymouth, ZJB, quite good through WCBS-880 splatter; ID slogan "ZJB, the soul spot" 0104 8/7. (Connelly, MA)
 +Fair w/soul mx 0145 10/5. (Everitt, OK)
 +Fair w/jazz 0128 10/18. In noise w/talk by woman 2249 10/21. (Connelly, MA)
 +2335 10/29 EE program of loud fast Latin-type mx, ad to come to Montserrat between 12/15 & 1/15, more of this mx. Fair, no WCBS-880 interference to worry about. (McClenaghan, ON)
 +Fair 0058 w/British accented DJ yakking away, and into oldies program w/the DJ after every song. liet on the frequency also 12/4. (McNeil, DC)
 t +Probably the one here 5/6 0329 w/wild EE calypso mx, but no ID due to WCBS-880 interference. (Nelson, NC)
- 890 COLOMBIA, Bogotá, HJCE, 0251 10/21 w/"La Voz de Bogotá" ID between songs. (Beverage, CA)
 t +As Dominican Republic faded out caught tentative ID for this one 0057 10/28. (Ronda, OH)
 +10/29 good in WLS null w/much noise. Soft Latin mx, mention of Bogotá 0650 & 3-chime doorbell 0659. (Thomas, FL)
 +Good w/"La Voz de Bogotá" ID 0430 10/30. (Connelly, MA)
 +0540 10/30 SS, light mx, slow DJ talk, then more light mx coming in fair w/WLS. (McClenaghan, ON)
 +10/31 1027 many "La Voz de Bogotá" IDs heard. (Lobel, CA)
 +12/19 0904 w/Latin mx. Good signal w/some noise. Some WLS interference. (Lobel, CA)
 +12/12 0856 poor w/SS spots, 0857 ID by OM "La Voz de Bogotá" New country. (Bixby, CA)
 +1/11 0310 in fair-good w/"La Voz de Bogotá" ID 0311, WLS nulled. (Korinek, CA)
 +0938 1/23 noted fair in passing w/WLS off! (Korinek, CA)
 +Plastering WLS w/many IDs, Colombian Latin mx 2/4 0227. (Baskind, MS)
 +Good w/"La Voz de Bogotá" ID & SS talk, then brassy mx & male SS vocal 0657 2/5. (Connelly, MA)
 +2/12 0630 weak w/numerous "La Voz de Bogotá" IDs & mentions of Bogotá. (Korinek, CA)
 +Loud & clear ID 0429 2/26. (Beverage, CA)
 +ID surfaced 0200 4/9 o/a mess of hets. (Beverage, CA)
 +Good level, clearly dominant w/"La Voz de Bogotá" ID & brass fanfare 0542 5/6. (Connelly, MA)
 +Beautiful signal w/WLS coming in poor 5/8 0530. Remained good the next 2 hours. (Meehan, CA)
- 890 DOMINICAN REPUBLIC, Santo Domingo, HIPJ, fair & alone w/SS talk, "R. Continental" ID & mentions of Santo Domingo 2306 10/28. (Connelly, MA)
 +SS ID, ads, vocals; weak but readable 0055 10/28. (Ronda, OH)
 +In 0133 12/3 w/no sign of WLS, w/calm Central American mx, DJ w/TC, "Continental" ID, more MoR songs, "y la hora en Continental son las 9:36" TC & ID. Strong. (McNeil, DC)
 + "R. Continental" ID noted at end of TC 0934 1/2. No trace of WLS at all. (Baskind, MS)
 +In w/festive Latin mx, then "R. Continental" ID 0019 1/13; WLS nulled. (Connelly, MA)
 +To fair peaks w/rhythmic Latin vocal mx, "R. Continental" ID atop growl of other Latin Americans 0028 3/29. (Connelly, MA)
- 890 GUATEMALA, Escuintla, TGHU, 3/3 0104 "R. Escuintla" just o/WLS w/"R. --- de Guatemala" pseudo-ID & very old Latin mx. (Baskind, MS)
- 890 HONDURAS, Tegucigalpa, beautiful signal w/no trace of WLS 0800-0900 5/4. WLS was dead & only started coming back about 0915. I taped ID & played it for John Clements who I ded it for me. Then 5/8 I heard "R. Honduras" again but on 880 kHz at 0600 fighting the Cuban. A few hours later Cuba was alone on the frequency. Is there a 880 & 890 "R. Honduras" sharing time in the same city or did I error somewhere? WRTH shows a 10 kw & 1 kw in Tegucigalpa on 880 & 890. (Meehan, CA) (Dunno. The two could be part of a network, or one could be a

- relay of the other. It's doubtful that they're in the same city on a share time basis.--ed)
- +5/22 "R. Honduras" ID & full info at 0117 but SS too fast for me. MoR Latin mx. Fair. Late word has it that this is R. Nacional w/a slogan change, per Baskind. (Thomas, FL)
- 890 PANAMA, David, HOL81, 1/9 0659. Colombian dominant until this time when it faded & Panamá heard. ID 0659, first sounded like guitar, then 3 mentions of Panamá noted. MoR instrumentals u/Colombian 0704, probably them. (Cartwright, PA)
- 890 ? UNID, someone here momentarily overpowering WLS w/SS talk & 2 IDs sounding like "Radio Meh-DEE-ah" 1105 2/20. Naturally, there's nothing even close listed. (Portzer, WA)
- 895 HAITI, Port-au-Prince, 4VRMN, is now here, ex-910 & is the Haitian being widely reported. 4VB also still here, but buried, SAH only. Still announces 910 & has occasional IDs in EE. (Merriman, VA)
- +10/18 0032-0100 classical piano mx w/OM in FF. Fair-good w/long fading, loud about every 6 minutes. Recognized no ID, but how could FF on this frequency be other than Haiti. (Curtis, VT)
- +0345 10/20 FF, taped play-by-play soccer game between Haiti & Guatemala, not played that night as they played Canada the next night (tied 1-1) 0445 OC, no audio, no national anthem heard. (McClenaghan, ON)
- +Poor-fair w/"Satisfaction" by the Rolling Stones, then woman in FF, then "Let's Get it On" by Marvin Gaye 2253 10/21. (Connelly, MA)
- +S/off 0448 10/29 & fairly certain ID was "R. Nouveau Monde", ex-910. Pop-rock style announcements in FF, 3 IDs, then jazzy version of Haitian national anthem. (Godwin, OR)
- +Clipped FF talk, then Latin style mx (not sure if SS or FF) 0433 10/30. (Connelly, MA)
- +In w/weak signal & easy listening mx 1030-40 10/31. (Peterson, CA)
- +11/1 very good 0045 w/rerdition of "Frere Jacques/Alouette" then mx reminiscent of Class B Italian Spy movies. Fadeout 0100. FF throughout. (Thomas, FL)
- +Taped SM 11/6 apparently signing on 1054, chimes tune heard up to about 1059, repeated like an IS. VL voice just before the hour unreadable. Choral mx heard 1107 but soon faded. (Martin, CO)
- +Strong & in the clear w/singing 1015 11/28. (Peterson, CA)
- +In every evening, usually good on peaks after 0100, playing typical Haitian FF Latin-style mx familiar from R. Citadelle 6156 SW, horribly accented FF DJ shouting in middle of tunes every other minute; once at 0206 had cuckoos, & thought "R. Nouveau Monde" ID, but not totally sure. (McNeil, DC)
- +Good w/flutters fade (soon stabilized), FF talk alternating between woman & several men, approx 4 Hz SAH 0215 1/6. Thought I had the 1 kw station listed in WRTH, but "R. Nouveau Monde" mentions clinched it. Also heard w/very good signal, low modulation, piano mx repeating like IS for several minutes, FF announcements by woman 1003 1/9. (Everitt, OK)
- +Fair w/African style rock 2345 2/10. (Connelly, MA)
- 900 BARBADOS, Bridgetown, CBC, excellent w/local sports 0000 10/1 on a very auroral evening. (Eckman, PA)
- +Good w/EE mx, spot for Alcoholics Anonymous, "R. Barbados" ID, slow soul version of "Unchained Melody" 2300 10/28. (Connelly, MA)
- +Very good & totally dominant "12 days of Christmas" song, then announcer in British EE, followed by ad for Harrison's clothing store. After this a Harry Belafonte Christmas song 2335 12/3. (Connelly, MA)
- +Finally made it here right after s/on 0930 12/31 w/great signal, minor Cuban interference. This one had really driven me crazy looking for it. Must have been checking too early. (Baskind, MS)
- +Good w/AST TC "19 after 8" in Caribbean EE, then Lou Rawls song 0019 2/17. (Connelly, MA)
- +To fair peaks o/Canadian rocker; panel discussion in Caribbean EE w/mentions of Barbados, 0046 4/7. (Connelly, MA)
- +Ultraloud 5/6 0347 w/EE pop mx. (Nelson, NC)
- 900 COLOMBIA, Cali, HJEV, 11/29 good in México null w/moderate Latin mx & forceful "La Voz de Cali" ID 0715. (Thomas, FL)
- +11/26 0621, didn't catch a clear ID in this poor signal, but Latin dance mx, frequent Colombia mentions, & finally 3-tone NBC type IS at 0656 sealed it. (Baskind, MS)
- 900 CUBA, Ciego de Avila, CMJV, 11/25 0751 hammering against CHML w/"Música de Cuba" "La Voz de Cuba" ID & bells. (Baskind, MS)
- +1/2 good w/"La Voz de Cuba" ID 0700. (Thomas, FL)
- 900 DOMINICAN REPUBLIC, Puerto Plata, HIBN, 4/27 peaking to fair level w/Art Garfunkel, tourist spots, & ID 0945 ("This is R. Puerto Plata") in EE. SS OM DJ & soft Latin mx otherwise. (Thomas, FL)
- 900 GUATEMALA, Puerto Barrios, TGMA, 3/6 non-stop marimba 0930-0945. Two possible "R. Amatigue"s 0948 & numerous mentions of Puerto Barrios 0958. Peaking to good but slightly garbled. (Thomas, FL)
- +Heard w/informal "R. Centro" ID 0115 4/3 u/México w/lotsa interference. (Baskind, MS)
- +0054: 4/4 o/other SS w/EE editorial about British domination of Belize & the evils thereof by YL announcer. SS OM took o/at 0059 but station faded u/México at top of hour. (Baskind, MS)
- + "Esta es R. Amatigue..." ID after marimba song 1111 4/9. Droning monotone in SS followed. (Beverage, CA)

- 900 MEXICO, México, D.F., XEW, usual good signal 10/1 0230. (Baskind, MS)
 +ID in EE, singing & mx 0400-0430 10/26. (Wilson, CA)
 +"La Doble U Musical" good 12/3 0540. (Beauregard, OU)
 +Classical mx, talk by female announcer u/CHML 12/4 0602. (Townshend, DC)
 +3/20 1116 w/steel drum mx (tuned oil barrels). Lots of slop from local KMJC-910. (Lobel, CA)
- 900 PERU, Lima, OBX4X, R. Sol is now 20 kw. (MWN 9/77)
- 910 CUBA, Camaquëy, CMFA, w/"R. Habana" ID jingle o/mess 0600 2/13. (Gerardi, IL)
- 910 GUATEMALA, Guatemala, TGKL, IDs as "KL" (Arctic 2/78)
 +Noted 0430 6/1 w/"R. Emperador de Guatemala" by YL. No "K-L" ID heard as reported above. (Baskind, MS)
- 910 MEXICO, Ciudad Obregón, Son., XEHO, 0657 4/9 w/TC as "Las doce exactamente las doce." Then s/off announcement, which began w/electronic sounding mx & ID as "XEHO, R. Centro de Ciudad Obregón..." (Beverage, CA)
- 910 MEXICO, Mexicali, XEAO, 12/13 0254 w/ranchera mx & "R. Mexicana" IDs; KNEW-910 nulled. (Pejza, CA)
 +3/27 0729 call, "R. Mexicana" slogan, TC. Good w/KIXI-910 nulled. (N. Hardy, WA)
 +0047 4/9 w/"R. Mexicana" ID & spot for a Beisbol game on Saturday. (Beverage, CA)
- 910 VENEZUELA, Maiquetía, YVRQ, bombing in w/"Aeropuerto" mention & other ID slogans then Latin mx 0600 5/6. (Connelly, MA)
- 910.2 ? UNID, strong het on WRQC-910 0045 4/7. (Connelly, MA)
- 914 ? SURINAM, Nieuw Nickerie, likely the one here w/talk by woman in unknown language, to fair peaks through noise 2233 12/20. (Connelly, MA)
 +Probably the one heard w/weird mx in bad slop 1006 1/9. (Everitt, OK)
 +Fair on peaks w/heavy slop, program was female vocal 0045 4/7. (Connelly, MA)
- 919 at COLOMBIA, Cartagena, HJAE, suspected here thrashing WJAR-920 w/fierce het 0550 5/6. (Connelly, MA) (See also 920.--ed)
- 920 COLOMBIA, Cartagena, HJAE, 4/11 2359 fair, end of nx program, into long station promo w/ID at end as "Emisora Fuentes", on the Beverage. (Forsman, MS)
 +5/2 almost good 0445 w/frenzied Latin mx & many "Emisora Fuentes" IDs & "Super" shouts (though not listed as a Super outlet.) (Thomas, FL)
 (See also 919.--ed)
- 920 t CUBA, Guantánamo, CMKH, possibly heard w/classical mx. Cuba mentions 0155 6/5. Have yet to get positive ID. (Baskind, MS)
- 920 GUATEMALA, Escuintla, TGRS, running locally produced taped religious program "La Voz de Dios" 1042 5/30. OM read letters from listeners (always comments "Gloria señor" or "Gloria Dios"). Ranchera & hymns. Wall-to-wall signal. (Baskind, MS)
- 920 MEXICO, Hermosillo, Son., XEBH, loud & boisterous "BH" promo by man, then mx interlude, then YL w/"...La BH...", then spot 0331 2/26. (Beverage, CA)
- 920 PARAGUAY, Asunción, ZPL, will soon increase power to 100 kw. (SCDX 10/77)
- 925 COSTA RICA, San José, TICM, many announcements around 1030, 1059 "la cinco de la mañana" TC, 1109 "R. Juvenil" ID 10/16. (Beverage, CA)
 +Likely w/good signal & old Cat Stevens song, SS DJs 0707 1/2. (Everitt, OK)
 +Poor-fair 1035 6/9 w/light instrumental mx. (Baskind, MS)
- 925 a GUATEMALA, San Pedro Carcha, TGJL, around this frequency (listed 930) 0453 4/17 Sunday night MoR/romantica mx program wrapup, ID, short burst of marimba mx, s/off & gone 0459. It has been suggested that I heard Juvenil-925 but all country mentions were Guatemala. (Baskind, MS)
- 930 CHILE, Santiago, CB93, has raised power from 10 kw to 50 kw. (DXCB)
- 930 COLOMBIA, Bogotá, HJCS, 0500 w/Todelar network announcements. (NZDXT)
- 930 CUBA, Ciego de Avila, CMJD, R. Musical Nacional, in o/Reloj w/classical mx of an operatic variety 0930 5/30. (Baskind, MS)
- 930 HONDURAS, Puerto Cortés, HRZE, u/WLSI-930 w/"R. Cortés" ID 0319 3/27 & mixture of Mexican-style ranchera mx & romantica. (Baskind, MS)
- 930 MONTSERRAT, Plymouth, 2/20 noted carillon u/KITE-930 at 0923, replaced by "Bridge Over Troubled Waters" 0925, then TC 0930 (GMT-4) & "R. 930" ID. EZL mx followed at poor-fair level. (Thomas, FL)
- 940 t COLOMBIA, Cali, HJGB, possible ID as "R. Eco en Cali" into vocals; fair-poor u/CBM & México 0504 11/4. (Ronda, OH)
 +0840 1/2 poor-fair w/man talking, "R. Eco" ID, then into fast Latin mx. Some interference. (Poda, OH)
 +Dominant on frequency (no sign of Cuban pest) 0721 4/30. (Baskind, MS)
- 940 CUBA, Reloj Nacional outlet here atop other Latin American; man in SS w/monotonous voice reading nx. TC w/tone given every minute 0554 5/6. (Connelly, MA)
 +R. Reloj programming here 5/15 0710 but nothing listed. (Thomas, FL)

- 940 ^t MEXICO, Mexicali, B.C., XEWV, "La Cacharilla" ID & 4:50 TC between records 0051 4/9; ID at 0053 as "Música, noticias, novelas, en la Cacharilla, 940 en su radio" then more mx. Only PST Mexican listed here. (Beverage, CA)
- 940 MEXICO, México, D.F., XEQ, good signal but distorted audio 0611 8/15, a few IDs, many mentions of México, slight interference from Venezuelan. (Morby, NY)
+In w/fair signal 10/18 0250. Didn't sound like 50 kw at all. (Baskind, MS)
+"La Olondrina" by female chorus; SS talk by male announcer; s/off 0612 after another choral song. Heard after CBM s/off several minutes earlier. Fair signal 12/4 0608-0612. (Townshend, DC)
- 940 VENEZUELA, Punto Fijo, YVNW, Rumbos Net ID, ads, back to relay of sports commentary; fair 0012 10/28. (Ronda, OH)
- 943 [?] UNID, Latin mx 0543, then faded 10/16. (Beverage, CA)
- 944 HONDURAS, Tegucigalpa, HRYW, 3/31 0351-58 w/lively instrumentals & female announcer. (Cartwright, PA)
+Hall-Patch's unid is this; they have been parked here for years. Not "drifting from 945". People w/radios having good readout reporting unids on 945 are hearing Ecuador. (Hutton, GA) (See below for UNID.--ed)
(See also 945.--ed)
- 944 [?] UNID, strong OC 0300 10/6; very low modulation Latin mx & strong signal, no announcements heard; any ideas? (Everitt, OK) (Ecuador & Honduras listed in WRTH on 945.--ed)
+Carrier noted here 0535 12/7, no audio though, just domestic splash. Seemed to loop to Central America so maybe Honduras varying a bit? Not TVI--too clean & faded up & down. At one point a carrier appeared on 945 as well. Lotsa fun. (Hall-Patch, BC)
- 945 ^{at} ECUADOR, Guayaquil, HCDA2, 1015 4/9 w/a cross between romantic & rock mx. Deep voiced man mentioned (I'm pretty sure) Guayaquil and "945". Couldn't tell if this was 944 or 945 due to FRG-7 readout. (Beverage, CA)
+Probable w/disco-rock here w/bad 944 Latin American het 0556 5/6. (Connolly, MA)
- 945 HONDURAS, Tegucigalpa, HRYW, 11/17 0015-0145+, "R. Panamericanas" w/EE soft rr & instrumental mx that ranged from jazz clarinet to "whispering" on a ukelele. Nil-good level but YL & OM in SS very soft-spoken. Clear IDs 0114 & 0159. (Thomas, FL)
+0455 12/22 w/light instrumental mx, some withdrawn US pop & nice signal top of hour w/good ID. (Baskind, MS)
- 945 [?] UNID, EE rock & SS announcements 1025 10/16. (Beverage, CA)
+Carrier & some vocal mx heard here 1/16 w/KJR-950 off; SS vocal 0916, then faded off into the wilderness. (Bytheway, WA)
- 950 MEXICO, Tijuana, B.C., XEGM, 10/2 0146 w/Ranchero mx. Out of 20 minutes, this station played only 10 of mx. The rest of the time they ran station promos & echo stuff. IDed as "R. 950". (Baskind, MS)
+Likely the source of SS programming 0534 mixed w/North American station. Later u/2UE. (Allchin, NEW ZEALAND)
+Regular pest each evening around 1/28 w/SS program 0630 onwards. (Allchin, NEW ZEALAND)
- 950 VENEZUELA, Caracas, YVKG, loud, dominant w/clear "R. Visión" ID 0404 10/26. (Connolly, MA)
+Excellent, totally o/domestics; SS mx & disco-rock, then "R. Visión" ID 0444 10/30. (Connolly, MA)
+Good w/sporting event, SS announcer 2343 11/15. (Connolly, MA)
+O/u domestics w/ SS talk 0243 2/5. (Connolly, MA)
+0138-0206 2/6 Latin Calypso mx, good at times, then way down. Fast talking SS announcer, caught one Caracas. (Curtis, VT)
+Weak w/"R. Visión" ID, then Latin mx, barely atop a mass of aurora-enfeebled domestics 2300 2/15. (Connolly, MA)
+Very good (alone on channel) w/slow SS vocal, then "R. Visión" ID 0128 5/6. (Connolly, MA)
- 953 [?] UNID, SS fair 0543 going under 4/28. (NZDXT)
- 960 COLOMBIA, Magangué, HJHN, good o/u WELI-960 w/man in SS giving frequent "R. Sutatenza" mentions 0356 10/26. (Connolly, MA)
+0335 10/30, light Latin mx, one by Ricardo Rea, short DJ talk 0355 heard man say "primera R. Sutatenza", fanfare, famous R. Sutatenza IS & ID, full list of stations & frecuencias, finished off w/"himno de la republica Colombiana" national anthem //5075. Fair o/everything on 960. Magangué is pronounced "Ma-gan-gai" w/accnt on last syllable. (McClenaghan, ON)
+Musical ID, mention of Colombia by male announcer o/WFIR/ My first South American catch after several in the "banana republics" of Central America. 12/18 0228. (Townshend, DC)
+Good w/WFGL-960 nulled; SS talk, "Sutatenza" ID, sound effects 2327 2/15. No sign of wanted Bermudan, ZFB. (Connolly, MA)
+Atop jumble w/World Cup Soccer results in SS //810 0117 6/4. (Connolly, MA)
- 960 CUBA, Sancti-Spiritus, CMHB, 2/27 0456 mostly o/Mexican w/national anthem & sudden s/off before ID was finished 0500. Poor overall. (Baskind, MS)
- 960 ^t MEXICO, Nuevo Laredo, Tams., XEK, probably the Mexican here though listed for U400 s/off w/relay of "La Hora Nacional" 0456 2/27. I find it difficult to believe this station to be one of the low power outfits listed by the WRTH (due to the decent signal level during average cx), but one can always wish, right? O/u Cuban. (Baskind, MS)

- 970 MEXICO, Ciudad Juarez, Chih., XEJ, good 0606-0629 1/9 w/ranchero mx & OM announcer, ID 0618 as "R. Mexicana" (Gerardi, IL)
+0650-0705 2/13, poor w/ranchera mx & "R. Mexicana" IDs. (Gerardi, IL)
- 970 MEXICO, México, D.F., XEDF, 5/8 good in WFLA-970 null w/"Thanks for the Memories" in SS 0700. "D-F" & "Tres" IDs. (Thomas, FL)
- 970 ^t VENEZUELA, man in SS here w/frequent mentions of Venezuela o/u WCSH-970 during auroral CX, YVLR & YVSD listed here, both 10 kw; reception at 2344 11/15. (Connelly, MA)
- 975 COSTA RICA, San José, TIAZ, good 0425 3/20 IDing as "Centroamericana". Rarely do they tack on a "Radio" in front. (Hutton, GA)
- 975 [?] UNID, "bongo-thumping mx" (per Clements), tropical mx (per Bytheway) 0522 10/16. (Beverage, CA)
+Talk in SS mentioned Ecuador, so probably HCAW2, Guayaquil, 0353 10/26. (Connelly, MA)
- 980 MEXICO, Ciudad Cuauhtémoc, Chih., XEER, ID w/piano mx 0539 5/2; "X-E-E-R, Novecientos noventa kHz..(garbled)..su emisora actil(?)..." Though announces 990 is here on 980 battling XENR. ODD. (Baskind, MS)
- 980 MEXICO, Navajoa, Son., XEKE, a surprise w/"Kah-Eh en...Ranchera" mention o/KFWB-980, then spots & mx 0206 2/26. (Beverage, CA)
- 980 MEXICO, Nueva Rosita, Coah., XENR, 0446 3/5 w/"La N-R" IDs & very poor signal being chewed by domestic interference. (Baskind, MS)
- 980 ^t MEXICO, Tepic, Nay., XEXT, seems to be the best possibility here 2/27 0453 w/program //to most of the Mexicans. Good overall. (Baskind, MS)
- 980 ^t VENEZUELA, Maracaibo, YVTB, 4/3 0825 believed to be the one here w/poor signals, heard "La emisora de Venezuela". The other Venezuelan station goes off at 0300, so YVTB must be the one here. (Forsman, MS)
- 980 [?] UNID, SS station peaked o/slop w/ID "...Sol" by deep voiced OM at 0800 2/13. (Gerardi, IL)
- 990 CUBA, Pinar del Río, CMAS, R. Guamá outlet u/bad slop 0352 5/25. (Baskind, MS)
- 990 MEXICO, Ciudad Guzmán, Jal., XEBC, alone on frequency w/marimba mx 1102 5/30. Had just signed on. (Baskind, MS)
- 990 MEXICO, Mexicali, B.C., XECL, interference from another unid Latin American station. A lot of KOMO slop but "XECL" IDs came through loud & clear. Must have changed ID, IDs as "R. Rama" but WRTH lists "R. Mundo". Stayed for 25 minutes 0625-0655. (Burgess, SK)
+1/27 0501-0505 in good-fair o/CBW easily. Loud "R. Rama" IDs heard several times; loud SS talk. Must have been modulating at 200%. (Harms, UT)
- 990 MEXICO, Monterrey, N.L., XET, w/MoR SS mx & ID by what sounded like a child as "X-eh-ta" at 0825; 0819-0832 2/13. (Gerardi, IL)
- 990 [?] UNID, Latin MoR loud; male SS vocal & horns, talk w/mentions of Madrugada, TC given 0236, 0636 12/4. (Connelly, MA)
- 995 ECUADOR, Guayaquil, HCEW2, fair carrier, snatches of SS audio, assumed 0235 10/5. (Everitt, OK)
+Jazzy rock mx, "R. Suceso" ID 0546 between songs 10/16. (Beverage, CA)
+Good w/"Don't Leave Me this Way", disco hit by Thelma Houston 0350 10/26. (Connelly, MA)
+10/30 0232-0304 rock mx & SS, fair w/fading, lots of ads. Ad w/OM & YL alternating just before the hour, then heard & taped clearly "Guayaquil" & "R. Suceso". (Curtis, VT)
+Clear "R. Suceso" ID by male announcer 0444 11/20. Many fades, but still there past 0546 w/disco mx, some EE songs including Rod Stewart. (Feltman, PA)
+Poor-fair w/Latin rock & SS DJs 0323 1/6. Much better signal by 0328. (Everitt, OK)
^t+Likely w/non-stop SS vocal mx 0328-0332 2/13. (Connelly, MA)
^t+Possibly the one w/nll-fair signal 0509 2/15. Too much KOMO-1000 splat to get anything definite, just SS talk & laid back instrumental mx. (Hall-Patch, BC)
+In fairly well w/romantic Latin mx & "R. Suceso" ID 0738 2/26. (Beverage, CA)
+Poor in slop, operatic male SS vocal noted 0548 5/7. (Connelly, MA)
+W/laid back Latin mx & weak signal 0747 5/30. (Baskind, MS)
- 995 [?] UNID, 0531 12/7 carrier w/a tiny bit of audio-slow mx but too much KOMO-1000 splash for anything worthwhile. Ecuador?? (Hall-Patch, BC)
+3/31 0406-10 very low level, slight interference, YL singing soft vocal, then out, could have been Ecuador. (Cartwright, PA)
- 997 ^v MEXICO, Ciudad Cuauhtémoc, Chih., XEER, is the Mexican drifter noted here 12/9 0330-0401 s/off w/good audio at times but very mushy otherwise. Some "R. Formula" IDs & OM talking very somberly, ending w/"Feliz Navidad". At 0401, call, location, 990 kHz, & off. This station has wandered off 990 before. (Seaver, CA)
- 1000 COLOMBIA, Cartagena, HJAR, "La Voz de Cartagena", SS ID, many ads for Cartagena businesses; fair & mixing w/Venezuelan, all of this in a WCFI null 0012 10/29. (Ronda, OH)

- +Good w/woman in SS w/nx about Colombia 0630 10/30. (Connelly, MA)
 +12/12 0831-36 fair w/some 1010 slop, SS vocal, ID as "La Voz de Cartagena" heard between. (Cartwright, PA)
 +Excellent at times 1/2 u/KOMO OC 0811-0820, 0900 ID as "...RCN, la radio de Colombia", TC for 4 o'clock, then 2 IDs as "R. Suceso, RCN...". (Seaver, CA)
 +1/2 0900 o/Mexican w/many mentions of Colombia. (Kramer, IL)
 +1/16 1100 w/Olympic theme, "RCN" ID, cut to WWV TC at 1100, another "RCN" ID, 3 chimes (J J J) & into nx. (Seaver, CA)
 +Loud w/RCN net ID, SS ads, one about baseball 2329 2/15. (Connelly, MA)
 +4/3 2357 fair, probably the one here w/"R. Suceso" ID on the Beverage. (Forsman, MS)
 +SS talk by OM & YL, ads, frequent mentions of Colombia. Ragtime mx, fair-good o/WCFI 5/3 0202-0236. (Townshend, DC)
 +Fair o/other Latin American w/"La Voz de Cartagena" slogan 0048 5/5. Noted again w/same ID 0115 5/7. (Connelly, MA)
 +5/22 0831 fair w/spot mentioning Bogotá, many "R. Suceso" IDs 0832 & into Latin mx. KOMO-1000 off. (Bixby, CA)
- 1000 ? COLOMBIA, either RCN stations give each other free plugs or else someone goofed 1059 12/5. Heard 3 chimes; then one of RCN's usual cookie-cutter IDs which begin & end w/what sounds like someone tripping o/a steel guitar: "El R. Nueva Granada, 610 kHz, HJKL, Emisora R-C-N, la radio de Colombia", then a brief bit of instrumental mx & SS version of "I'll Do My Crying in the Rain". May have been HJAR which I ded as such 1103, although there was definitely 2 Latin American stations there at one point. Anyone know if HJKL provides a network feed for other RCN stations? Interesting reception at any rate. (Portzer, WA)
- 1000 MEXICO, Ciudad Juárez, Chih. XEFV, apparent weird s/on good 1200 12/7 w/"Little Drummer Boy" sung in EE, interrupted 3 or 4 times by man in SS w/plugs for "R. Rancherita". Then went into program of Ranchero mx w/"La Rancherita" singing IDs vaguely reminiscent of the tune "La Cucaracha". Announcer seemed to put heavy accent on first syllable of Rancherita. (Portzer, WA)
- 1000 MEXICO, México, D.F., XEOY, noted w/Ranchera mx & usual whistle IS 2/4 0450. (Baskind, MS)
- 1000 VENEZUELA, Morón, YVNM, audible u/stronger CKBW-1000's cw show w/"Es Radio Mil" singing ID to the 4-note tune of an antique car horn 0050 7/24. (Connelly, MA) (XEOY uses similar 4-note singing IDs as Radio Mil.--ed)
 +Fair-good 0032 10/30 w/ID o/unid SS. (Morby, NY)
 +Generally o/second Latin American; SS mx, then "es R. Mil" 4 note jingle to the tune of an antique car horn, TC of 8:50 (AST) clinches it as the Venezuelan, not the Mexican, 0051 4/7. (Connelly, MA)
- 1000 ? UNID, ID sounded like "La Voz de Bereda", carrier varied frequency u/modulation, yielding low wobbly het against aura enfeebled WCFI 0249 4/11. (Connelly, MA)
- 1001 ? COLOMBIA, unid Latin American here badly hetting all 1000 kHz stations. Is Colombian, that much heard around 0500 9/27, could not tell if it was Colombian operating off frequency. Found it there as far back as July. At times, its signal has topped everything on the frequency including XEOY, KTOK, & WCFI. KOMO is not noted here very often. (Martin, CO) (Arctic Radio Club says this is Cartagena.--ed)
- 1005 COLOMBIA, Neiva, HJJR, probable w/fair signal & SS audio 0240 10/5. (Everitt, OK)
 +Assumed Colombian but no ID 0230-0303 10/26. Frequent ads for Banco de Bogotá. Abrupt signal drop 0303 so perhaps dropped power. "R. Colosal" ID finally heard 0300 10/27. This is a nice catch as Neiva is inland and rather close to the Ecuador border. (Godwin, OR)
 +11/12, "R. Colosal" w/Latin mx 0433 fair-nil w/deep fades. (Thomas, FL)
 +Good w/Latin mx & frequent fast paced SS talk by low-voiced OM, in light to moderate KTOK-1000 slop 0310 1/6. (Everitt, OK)
 +Booming in 0925 1/16 w/TC & slurred mention of "R. Colosal". Faded quickly though. (Hall-Patch, BC)
 +Weak w/TC 0907 & mention of Colombia. (Tomer, CA)
 +Poor-fair 0425 1/28 w/SS vocal mx, some almost operatic, //4945. 1005 had stronger signal, but 4945 didn't have KOMO-1000 quacking next door so was more readable. (Hall-Patch, BC)
 +3/11 0002 w/15 minutes of nx. Awful loud (slopping 1000 at S-8) & showing not a trace of a fade. (Hutton, GA)
 +Good w/mellow instrumental Latin mx, then man in SS w/reverberated "R. Colosal" ID 0116 5/7. (Connelly, MA)
 +Fair w/festive-style SS male vocals 0106 6/4. (Connelly, MA)
- 1007 MEXICO, Nueva Casas Grandes, Chih. XETX, 10/12 0205-0330+. Was gone by 0400. Generating a fierce het against 1010 & when the loop was north/south a strong het on Colombia-1005. Heard again a few nights later w/at least 3 mentions of Chihuahua & one of Nueva Casas Grandes. (Marrin, CO)
 +Probably the one w/het against CBR-1010 looping south 0336 10/16; KOMO was too overwhelming to hear anything else. (Portzer, WA)
 +Is the drifter off 1010. Heard initially 11/20 evening. On 12/5 0226-0318 w/varied mx (jazz, SS vocals, US rock, etc.) program & several mentions of Nueva Casas Grandes but no call IDs heard. Good signal at times, but the announcer sounded like he was 5' from the microphone. Gone after 0330. (Seaver, CA)
- 1007 ? UNID, carrier looping to Latin America here w/occasional bits of what sounded like SS talk. (Portzer, WA)
- 1010 COLOMBIA, Bogotá, HJCC, 0633 5/30. I wonder why this station IDs as "R. 1020" instead of 1010. (Baskind, MS)

- 1010 COLOMBIA, Pasto, HJBN, "H-J-B-N, viene su música..." ID 0506 5/8. Faded right after ID. (Baskind, MS)
- 1010 CUBA, Guane, CMAP, 10/29, YL/OM team w/Latin mx & "R. Guamá" ID & location 0230. 771000/1020. (Thomas, FL)
+0059 3/5 w/usual Cuban mx program (listen for flutes) & Cadena ID top of hour. (Baskind, MS)
- 1010 DOMINICAN REPUBLIC, Santo Domingo, HIJP, 0543 4/21 w/"Escucha...R. Comercial, la emisora..." by OM then into fade. Late-night Latin mx. (Baskind, MS)
- 1010 MEXICO, Ciudad Obregón, Son., XEEB, 9/26 0730 ID noted in passing o/interference. (KasKey, CA)
- 1010 MEXICO, Guadalupe, Jal., XEHL, 11/25 0128, 4 tone IS 0144 fair-good. (Baskind, MS)
+Local quality (usually just good-strong here) 0946 12/7 w/EE version of "Jumbalaya" & "Achee-Elleh" ID. (Portzger, WA)
- 1010 MEXICO, Torreón, XEVK, 0540 1/11 in partial CBR-1010 null, heard what sounded like "R. Felicidad(?)...estación navarra(?)" (Hall-Patch, BC)
+2/6 1226 promo heard w/definite XEVK call. 1228 another promo repeated XEVK call & used slogan something like "R. Puntial". In fairly well; so well, in fact, we mistook it for XEHL & almost passed it up! May have heard XEHL IS weakly underneath. Probably on 5 kw daypower by then. (B. Hardy, WA)
+This one has been tormenting me for over a year, but finally got 3 call letter IDs 0525-0529 2/7. Poor-good w/no XEHL in CBR null w/excited talk. WRTH 77 wrong on this as it's listed as inactive & only 100 watts at night. Seems unlikely due to at least 2 previous receptions in the evening here. Noted s/on 1206 2/7 intoned dramatically over "Also Sprach Zarathustra". Good w/2 "R. Felicidad" IDs as well as XEVK mentions. (Hall-Patch, BC)
+Booming in w/"Hard Rock Cafe" by Carole King, then string of assorted IDs & ads 1213 2/13, then full ID w/call, power, & slogan sounding like "R. Felicidad". (Portzger, WA)
+Call letter ID o/XEHL's wild sound effect 0232 6/19. (Baskind, MS)
- 1010 VENEZUELA, Ciudad Bolívar, YVQE, 0528 5/8 w/"R. Bolívar, la emisora que..." followed by TC & "R. Emisora (something), con las noticias..." Many doorbell sound effects. (Baskind, MS) (Sutanza also has doorbells on this frequency.--ed)
- 1015 EL SALVADOR, San Salvador, YSC, 11/10 good w/mostly rhumba-beat mx, but also some cha-cha mx & lyrics. ID 0038 as "Y-S-C, R. International, La Voz de .7.elo" ID marked by "Music to Watch Girls By"/old Benson & Hedges theme excerpt. (Thomas, FL)
t +Presumed the one w/non-stop SS talk 0333 1/2. (Everitt, OK)
t +Weak w/SS talk; strongly suspect this, but no ID noticed 0315 1/6. (Everitt, OK)
+Fair 1/7 0341 w/ID "En San Salvador, Centro América...YSC, Radio Internacional..." (Lazar, WI)
t +Here w/local nx, 3-note IS & full ID 2/5 0316. Fair. (Baskind, MS)
t +Likely the one w/SS mx, good level 1131 2/13. (Portzger, WA)
- 1015 [?] UNID, maybe YSC, man in SS, then mx. Fair o/1016 het. Slogan sounded like "Oriente" 0458 3/19. (Connelly, MA)
- 1020 COLOMBIA, Montería, HJZD, after A3Z s/off & KDKA s/on, I turned loop to null KDKA just in time to catch a big "R. Panzenú" ID & mention of city, etc. Possible s/on. The "oo" in the final syllable in the slogan is very highly accented. Lively tunes & many slogan IDs. Numerous hets made the signal flutter considerably. Had this from 1000 12/26; then at 1025 there was a sudden fade which revealed a possible HJFE (see below). (Peterson, CA)
+Very full ID 0956 1/2 "Desde Montería...en Colombia...R. Panzenú...HJZD...mil viene kHz...R. Panzenú." into Hawaii 5-0 theme mx. Fair but wiped out by KDKA s/on 0958. (Baskind, MS)
+0808 2/13 first detected, 0857 clear "H-J-Z-D" ID & "R. Panzenú" & Montería mentions. Lotsa Panzenú mentions 0858, possibly some sort of promo. (Bytheway, WA)
+Dominant 2/13 0930-1000 when KDKA s/on. Clear IDs 0958 & 1000. KTNQ off 2/13, 2/20. (Seaver, CA)
- 1020 COLOMBIA, Pereira, HJFE, appeared to be the station that faded up 1015 12/26 after HJZD did its quick fade. Tempo of the mx was slower on this station. Continued hets fluttered reception. Somewhere in here the Todelar network was mentioned, but I could not tell for sure which station it came from since fading & counter-fading was occurring at the time. On 1020 none of the outlets are listed for Todelar. KDKA overwhelmed the loop 1025-7 & then backed down again. A 1 kHz het began to appear at this point, so I shifted to 1021 to investigate at 1035 (see below). This part of dial was so hot that I had great trouble trying to keep up w/it! (Peterson, CA)
- 1020 CUBA, San Cristóbal, CMAP, Latin mx u/KDKA, weak signal 12/14 0504. (Townshend, DC)
+1/3 1903 w/light mx, local nx in moderate noise. This a daytime catch at 1:03 PM CST. Poor-fair overall. (Baskind, MS)
+Fair w/weak KDKA nulled. 1/7 0358 w/"R. Guamá" ID in typical Cuban style. (Lazar, WI)
- 1020 VENEZUELA, La Asunción, YVRS, 0105 10/29 heard clear ID, Latin mx well o/KDKA. (McClenaghan, ON)
+Good, annihilating KDKA; "Margarita" IDs. "oo +...". J550 10/30. (Connelly, MA)

- +10/31 very good w/"R. Margarita" ID & upbeat Latin mx 0715. KDKA off.
(Ronda, OH)
- +11/26 0949 w/frequent & sung jingles. Latin dance mx. Fair overall.
(Baskind, MS)
- +Good w/SS talk, "Margarita" ID, 2341 12/3. (Connelly, MA)
- +1/16 1030-35 SS vocals, at times quite strong w/1010 slop, clear ID 1031. Mr. Hutton says they quit ANing, although this is 0630 YV time. When is the s/on?
(Cartwright, PA)
- +Strong, totally dominant w/"R. Margarita" ID, fast SS mx 0610 2/5.
(Connelly, MA)
- +0605 3/13 man in excited voice gives "R. Margarita" ID & then into mx.
(Poda, OH)
- +Loud w/"Margarita" ID, jingle, & female SS vocal 0010 5/7. (Connelly, MA)
- +0555 5/22 fair in SS w/no KDKA. (Beauregard, QU)
- +Way o/KDKA; "Margarita" mentions, fast emotional SS talk (sporting event?) 0310 6/4. (Connelly, MA)
- 1020 VENEZUELA, Maracaibo, YVMX, 0840 6/19 IDing as "R. Maracaibo" w/poor signals, other Venezuelan not audible. (Baskind, MS)
- 1020 ? UNID, Latin American 1/2 w/KTNQ/KDKA off 0890-1000. Lots of "typical" Latin mx & some talk, no positive IDs or TCs. Probably the Venezuelan. No sign of Tonga on an open frequency. (Seaver, CA)
- +This gem showed up about 0830 on a MM w/KDKA off. Sounded like "Esteh es, la cion nacional de RFL la R. de la Colombia" followed by a later mention of "La Hora de la Colombia". Programs were // to those on 1030. (Ayers, MS) (What you heard was mention of "R-C-N" (Eh reh cheh enneh), a Colombian network. WRTH lists HJPE-1020 in Pereira as one of their affiliates.--ed)
- 1021 ? UNID, measuring 1020.870 ±.0004 kHz creating a big het against the 1020 stuff & looping a little to the left of the Colombians. 1038-50 12/26. Possibly Cuba? Too much noise to pick out much data. Anybody help down in the southeast US? (Peterson, CA)
- 1025 ^t COLOMBIA, Ibaqué, HJFT, 0355-0406 10/29 presumed the one w/OM ranting in SS. Long slow fades made this one sound like a TP, fair at peaks down to nil. No signal across hour of course. (Hall-Patch, BC)
- +12/9 0809 fair w/KTNQ-1020 off. Heard mention of "Super". (Hanavan, CA)
- +1127 1/23 in good w/"R. Super" ID by OM & typical SS mx. (Korinek, CA)
- +Just barely here w/driving Latin dance mx & a simple but legible ID 2/5 0429. (Baskind, MS)
- +Peaked 2/6 0930; lots of interference from KTNQ-1020. (Peterson, CA)
- +2/13 0803, man w/announcement & doorbell chimes w/some mentions of Colombia & many mentions of "R. Super." (Bytheway, WA)
- +The best Colombian split 2/20, 2 good IDs & TC 0948. (Seaver, CA)
- +3/13 0746-0304 lively mx, ID 0804, very strong w/no interference, slopping 1020 & 1030. Used Rumbos-type chimes sometimes between records. Don't have the new WRTH yet, what is this one's SW frequency? Listed on 4875, but heard on 4785. R. Super, maybe in Bogotá, monitored on 4875. A switch? (Cartwright, PA) (WRTH '78 lists this one's SW on 4875 & no Colombians on 4785. No "R. Super's" listed in WRTH in the 60 meter band.--ed)
- +4/3 0728 very good w/typical Colombian mx, IDs as "Ecos del Combeina". (Forsman, MS)
- 1025 ? COLOMBIA (?), 0712 3/13 poor & fadey SS. "R. ? Grande" ID. Colombia also mentioned. (Poda, OH)
- 1025 COSTA RICA, San José, TIAC, good SS talk, "R. Fides" ID 0407 10/5. (Everitt, OK)
- +11/18 "R. Fides" ID after 45 minutes OM/YL dialogue. Poor-very good 0225-0300. (Thomas, FL)
- +1148 12/31 w/religious mx & ID by YL 1149. The tentatives reporting gospel mx & programming here are probably this, as TIAC's signal has been really good the last few mornings. (Baskind, MS)
- +Very good, out of choral mx (possibly in Latin) into SS talk by man & woman 0322 1/2. (Everitt, OK)
- +Booming away w/possibly religious oriented mx 0335 1/6. Het approximately 100 Hz high on it. (Everitt, OK)
- ^t +In w/fair signal on peak 0105 w/religious talks by OM in SS; heard several times since w/same religious type programming, so presume it's this but no ID. (McNeil, DC)
- ^t +Good at peaks but generally fadey w/male talk 1130-1139 2/13 w/one possible "R. Fides" ID. This is what's usually reported here at this time. (Portzer, WA)
- 1025 ? UNID, 11/18 0210-0222 someone weak u/Costa Rica w/mix of lively & mournful Latin mx. Panamá, I guess. (Thomas, FL)
- +11/20 0135 fair looping south. SS talk, religion, "Allelujah, allelujah" after 1-2 sentences, repeated till fades. 0142. (Poda, OH)
- +Very weak SS 1127 11/20. Seemed a little late for Ecuador so maybe Panamá or Costa Rica? (Peterson, CA)
- +Latin American here w/boisterous Latin mx & SS announcements 0843 12/19. Good on peaks but some deep brief fades. Probably Colombia. (Portzer, WA)
- +0730 1/2 poor SS, fast Latin mx. Man yelling "coo...coo" between few bars (2-3 seconds) of mx, mx sounded like rancho, horns & also tinkling sounds--also had chorus of men. Also thought I heard Panamá mentioned. Earlier had low het. (Poda, OH) (Could also be Colombia.--ed)
- +SS here w/chimes 0849 1/16, sounding like Sutatenza chimes. (Bytheway, WA)
- 1027 ^a COLOMBIA, 2/3 gentle Latin mx (much flute) here 0715 w/mentions of Colombia. Nil-weak w/fading. HJZD-Piedecuesta best guess. No call heard. (Thomas, FL)
- ^{a2} +This one still undid here after many attempts. Slogan is "R. Super", "Super R.", or simply "Super". Audible from at least 0130-0900 but specific location

continues to elude me (loops to Colombia/Venezuela). "Romantica" mx a specialty. Peaking to fair level 2/15, 2/20 but very deep fades. (Thomas, FL)

- 1030 ARGENTINA, Buenos Aires, LS10, all talk SS male w/many mentions of Buenos Aires, Argentina, & other places in that country w/, u/ & o/ México 0834-0847 11/14. WBZ running OC & when nulled another station tone testing part of time, perhaps the Colombian here, whoever he is. The Colombian entry had been conspicuous w/México shortly before 0800. It may have a SP on MMS. Again there is no mx on LS10 0800-0900 & has been that way for years. (Martin, CO)
+Great MM 1/9 w/WBZ off & México easily nulled & not much of a problem. Heard 0830-0905 tune out when they were still audible but very weak u/WBZ OC. All talk, sounding like an all-nx format. A nice clear but very fast ID given 0831. (Lazar, WI)
- 1030 COLOMBIA, Bucaramanga, HJZD, 5/8 presumed w/--DZ call & tentative "primavera" slogan. Romantica mx 0720. Nil-fair w/noise in México null. (Thomas, FL)
- 1030 COLOMBIA, Cali, HJER, "R. Suceso, RCN", ID first found on Colombia-760.4 kHz a few weeks ago, also found here 11/28 0731 & 0822 o/México, domestics off. Recall I also heard it here u/same circumstances 11/14. Most probably an ID for a Colombian network overnight program, & likely to be found on other HJ frequencies. (Martin, CO)
+Presumed the RCN station here w/México 1/16 0930 w/"La R. de Colombia, RCN" ID, fanfare & into nx. No readable mention of city or local ID. (Seaver, CA)
+12/12 0845 weak, but no interference, WBZ OC on 0847, SS vocal, ID 0848 as what sounded like "R. Pacifico", don't think "R. Suceso". (Cartwright, PA)
+1/6 1030 w/fast Latin mx & an RCN ID at bottom of hour. Poor-fair signal. (Baskind, MS)
+Good 0902 2/6 w/"RCN, La R. de Colombia", then the Hawaiian guitar sound. (Tomer, CA)
- 1030 a CUBA, Pinar del Río, CMAJ, R. Guamá, relay here 12/5 1148. Fair in México null, not producing any het & seemed pretty well glued to frequency. Many IDs, usual Cuban mx/nx. (Baskind, MS)
- 1030 MEXICO, México, D.F., XEQR, weak but audible w/WBZ off, many "R. Centro" IDs 0513 B/15. (Morby, NY)
+10/17 IDs as "R. Centro". Mx request program. 0859 signal was lost u/WBZ s/on. (Lawrence, SK)
+10/31 1133 good signal, sounded almost local. (Baskind, MS)
+Here 2042 1/3. Ranchero mx & a señora Gonzales asking for letters at A.P. 5-30 Vantico (?), México. Fair-good signal, mild noise. Another daytime catch. (Baskind, MS)
+1/16 0800-29 strong & clear in WBZ OC, up SS vocals jingles. "Centro" ID 0834. (Cartwright, PA)
+Good w/familiar whistle IS 0850 2/6; Mexican style SS mx. Faded rapidly. (Tomer, CA)
+Blockbuster KTWO off; excellent signal, slight interference from a number of unids 0745-0800 2/27. Sent tape. (Burgess, SK)
+"R. Centro", ID noted after laid back vocal mx 0520 3/16. KTWO not heard at this time but back in strength within 1/2 an hour. (Hall-Patch, BC)
- 1030 ? UNID, same details as unid on 1020 above. This signal was not as strong as the one on 1020 that it was // to. (Ayers, MS) (Believe that it's HJER.--ed)
- 1034.5 MEXICO, Monterrey, N.L. XEG-1050, spurs here & on 1065.5 kHz noted w/incredible strength, varying w/1050 modulation, where XEG had buzzy audio on usual religious spoutings 0337 12/31. (Everitt, OK)
- 1035 HAITI, Cap Haïtien, 4VEC, 1030 10/10 "Escucha la R. 4VEH..." ID by OM during SS program. Fair-good. (Baskind, MS)
+0025 10/15, EE program, heard classical piano mx, 0030 "Amazing Grace", chimes IS, then off. Very poor w/CHUM-1050 slop. (McClenaghan, ON)
+Poor-fair o/bad 1034 het; classical mx heard, WBZ nulled, 2249 10/22. (Connolly, MA)
+0030 11/4 poor-fair, some fading. Loop southeast, children singing 0028, bells & ID 0030 "4VEH R. Evangelical at 7:30 (0030) ending broadcast day". S/on at 6 am (1100) next day. (Poda, OH)
+Noted in passing w/EE religion 1132 1/2 good. (Baskind, MS)
+2330 1/2 fair man talking, usual religion. (Poda, OH)
+Assumed the male talk in unid language, noted in passing 1026 1/23. (Portzer, WA)
+Good, actually better than usually louder 1030. EE talk & religious mx through 1034 het 2359 1/27. (Connolly, MA)
+2/15 unusually good signal 2335 w/"Guidelines for Family Living" & 2339 "Evangelistic Voice of Haiti, 4VEH" ID. (Thomas, FL)
- 1035 v MEXICO, unid, 12/7 0324-0358 s/off, very mushy audio. Call sounded like XECN; 3rd letter could be B, C, D, G, K, S, T, V; fourth could be N or M. XECC-960 was here a year or so ago. For some reason these screwed up Mexicans are usually small stations in the interior of Chihuahua. (Seaver, CA)
- 1035 ? UNID, 1105 1/9 hard to tell much about this carrier except that it was almost exactly 1035 (within 10 Hz or so). Bearing impossible due to CPAX-1070 splat. Some audio, but too mangled by splash to get anything out of it. Haiti? (Hall-Patch, BC)
- 1040 CUBA, Isla de la Juventud, CMCY, 11/6 1100 w/national anthem & usual Cuban-type ID followed by nx & random interest items read by OM that were separated by short interludes of instrumental mx. (Baskind, MS)
- 1040 COLOMBIA, Barranquilla, HJAI, 4/3 2347 good w/"Tropical" ID on the Beverage. (Forsman, MS)

- 1040 COLOMBIA, Bogotá, HJ CJ, "R. Super de Bogotá" ID noted 9/25 0705 w/WHO off SM. (Seaver, CA)
 +Weak but steady 0700-0710 12/4 w/WHO off. "R. Super" IDs followed by "Super" hollered 3 times in succession. (Feltman, PA)
 +Fair during WHO silent period 1/15 0752 w/Latin mx, several "R. Super" IDs. (Lazar, WI)
 +0935 1/22 in fair-good w/many "R. Super" IDs. WHO off. (Korinek, CA)
 +2/19 R. Super noted w/good signal 0859. WHO off. (Thomas, FL)
- 1040 [?] COLOMBIA, "Modello" ad, (misleading) mention of Maracaibo, Venezuela, followed by CARACOL ID & partial list of network affiliates, then fanfare & SS mx 0530 5/7. (Connelly, MA) (HJAI, Barranquilla is listed as CARACOL.--ed)
- 1040 VENEZUELA, Valencia, YVLB, good w/"Popcorn" by Hot Butter, then SS talk 0048; also noted 0117 7/24, loud w/SS talk mentioning Maracay & Carabobo, against slight background of WBZ-1030 buckshot. (Connelly, MA)
- 1040 [?] UNID, SS 11/22 0533 w/WHO nulled, mention of Guatemala; then Marimba mx. 1 kw Guatemalan listed. (Seaver, CA)
- 1045 PANAMA, Las Tablas, HOJ2, very clear "Este es Ondas del Canajagua" ID by male announcer 0142 11/18, then into mx & fade. New country for me. (Feltman, PA)
 +Presumed the SS speaker here 0350 w/talks by man, upto mx, sounding rather Colombian; actually fair at tune in but down in the mud by 0357 12/10. (McNeil, DC)
 +Possibly the one w/SS talk & possible ID in worse-than-usual WHO-1040 slop, fair signal 0327 1/2. WHO, incidentally, was running their SS program at the time. (Everitt, OK)
 +Poor-fair w/fast SS talk, hetted by Morocco-1043 0590 4/2. (Connelly, MA)
 +Assumed here w/female SS vocal 0105 6/4. (Connelly, MA)
- 1045 [?] UNID, 11/20 0135 fair SS, looped south, "Trans Modia" (?), faded out. (Poda, OH)
 +Strong OC, moderate fading 0916 1/9. (Everitt, OK)
 +Panamá? Rhythmic Latin instrumental mx resembling North African mx; badly slipped by WHN-1050 0027 2/10. (Connelly, MA)
 +0905 6/17 just a weak het here. (Korinek, CA)
- 1050 DOMINICAN REPUBLIC, Santiago HICB, 0100 12/3 DJ w/announcements in SS, TC as "9 de la noche", ID, "feliz Navidad y prospero año nuevo", ad, more talk by DJ, into upbeat songs by Raphael somebody. Good-fair, some interference from México w/EE religious program. (McNeil, DC)
 +3/27 0230 "La Voz de Hispanola" o/México w/full ID & romantica mx. Also noted prior to México's s/off but too weak at time to ID. (Baskind, MS)
- 1050 MEXICO, Mexicali, B.C., XED, 2/1 0545-0548, SS talk, Mexican mx, clear ID, "XED, La Grande D de Mexicali", good o/all. (Harms, UT)
- 1050 MEXICO, Monterrey, N.L., XEG, severe but strong u/JCAR. SS talks & Latin song 0930 9/12. (Kawaguchi, JAPAN)
 +0630 10/30 Dr. Douglas book ad--religion--"XEG in Monterrey" at 0631 good volume & no interference from CHUM-1050. (Poda, OH)
 +11/20 0130 good volume, EE religion. Looped southwest. (Poda, OH)
 +Monitored for about 15 seconds w/their usual religion program & ranting 2/4 0440. Well, I hadn't bothered to log them before... (Baskind, MS)
- 1050 [?] UNID, 11/20 0130 fair SS looped south-south-southeast. (Poda, OH)
- 1055 COLOMBIA, El Espinal, HJF2, maybe the one here 0340 w/SS talks by man, subdued Latin songs; fair during the songs, but way down in the mush by the time the DJ started talking. (McNeil, DC)
 +In after WNOE-1060 s/off & resulting removal of the usual 1060 slop-over 0707 1/6. "Centro" & "RCN" IDs throughout Latin dance mx program. (Baskind, MS)
 +1/16 0947 w/nice "RCN, La Voz del Centro" ID. Good at times. (Seaver, CA)
 +4/3 0735 very good w/lively Latin mx, ID 0736 as "La Voz del Centro" by OH, then back into mx. (Forsman, MS)
 +0858 6/17 OM in SS w/typical Latin mx fair to occasionally nonexistent. (Korinek, CA)
- 1055 [?] UNID, Latin American? 0900 1/2 poor SS, fair het. (Poda, OH)
- 1059 CUBA, Baracoa, CMRG, atop weak 1060 het; SS mx 2344 12/3. (Connelly, MA)
- 1059.3 CUBA, Baracoa, CMRG, hetting WGTR-1060 0010 2/10. (Connelly, MA)
- 1060 MEXICO, México, D.F., XEEP, "La Hora de México" unmistakably here u/WNOE 11/21 0430-0442. Believe this is the first Latin American ever found here. (Martin (Martin, CO)
 +Thundering in o/WNOE-1060 (which I've never even heard dented before) w/classical mx program ending 0618 1/6 in a nice full ID. (Baskind, MS)
 +0626 2/26 in middle of long dissertation, man said "...XEEP, R. Educación..." (Beverage, CA)
 +5/22 fair w/unusual forms of Latin mx (is there such a thing as "classical Mexican mx"?). Mexico mention & "R. Educación" ID 0500. (Thomas, FL)
- 1060 [?] UNID, 2 unids here 1/2 w/KYW & WNOE off & testing. One at fair-good level 0850-1000 & playing Muzak, no ID by YL. Format, level, & direction suggest R. Enciclopedia but never a mention of Cuba. (Thomas, FL)
 +1/2, 2nd unid occasionally surfaced w/lively Latin mx (some marimba) 0850-1000. Looped S & ".eesta" or "eestal" heard twice at apparent IDs. Nicaragua & others possible. Nil-weak. (Thomas, FL)

- 1065 MEXICO, Monterrey, N.L., XEG-1050 radiates a spurious emission here 0210 11/18. (Martin, CO)
- 1070 COLOMBIA, Barranquilla, HJAG, good w/SS talk & ads for Barranquilla stores 0453 10/30. (Connelly, MA)
- 1070 ^t COLOMBIA, 1/8 a Latin mx program 0715, lost 0745 when KNX came in. Here follows a résumé of my log sheet: 0715 ID by male announcer, looks like "R. Burasa", then a list of maybe singers, including Roberto Monterosa, "Carnaval" heard, then a song & ID as "La Música Carnaval, son las 2 y 19 minutos" (so it is GMT--5) later I heard Colombia. 0735 "La hora Tic-tac-tic-tac", & hour given (tic-tac as imitation of a clock, not like ID). I suppose it's Emisora Atlantico in Barranquilla. I've looked on SW to find another outlet for R. Santa Fé, the other Colombian listed & didn't find it; but last time I heard Santa Fé, they were clearly IDed (this on SW, surely //1N). Good w/KNX. (Beauregard, QU)
- 1070 VENEZUELA, Maracaibo, YVMA, noted w/"R. Zulia" ID, then rustic SS vocal mx just o/cacophonous het growl 0525 5/7. (Connelly, MA)
- 1075 COSTA RICA, San José, TIFC, peaking to 20 db o/the slight slop 10/19 0345. EE religious mx of choral type, followed by EE religious program. (Hutton, GA)
+Good w/EE religious program 0328, best in a while, 12/7. (McNeil, DC)
+0205 6/12 w/poor-fair signal & Handel's "Water Mx". And you thought teenagers have no taste for good mx...I listened to the whole concert. (Baskind, MS)
- 1080 COLOMBIA, the TODELAR chimes heard 0730 12/19, most likely a station I have heard before. KRLD off. (Martin, CO) (HJJP, Cali, is listed as TODELAR outlet here.--ed)
+A TODELAR station on this frequency IDing as La Voz de (or del) something. 0744 6/19. (Baskind, MS)
- 1080 EL SALVADOR, San Salvador, YSEM, plans to increase to 5 kw. (Arctic, 2/78) (Presently 1 kw.--ed)
- 1080 ^t HAITI, Port-au-Prince, 4VRD, FF station taped Friday morning 9/9 in an unscheduled silent period of KRLD 0802-0815. Signal buried in static most of time; only words I could make out for certain was one mention of "FM Stereo". Didn't report it at the time, but on 10/4 I came across the info in DXKW II, DX Monitor 8/6 that a new station in Haiti was to take to the air soon on 1080, 4VRD, R. Nationale. It has an FM outlet on 102 MHz which might explain the reference to "FM Stereo". KRLD is not always silent MM, but it was off 9/26 & 10/3 & on neither morning did I note any FF on 1080. (Martin, CO)
+10/26, ID 0201 in FF as "R. Nationale" by YL following comedy play in FF. After the YL IDed several male announcers came on w/switch to SS programming & IDs including "Esta es 4VRD, R. Nacional..." & "4VRD, R. Nacional presenta una hora de música, noticias y..." Also noticed 10/20 in FF. This should be heard quite well if KRLD interference isn't bad. Lots of fading, fair signal w/some interference from a Latin American. (Baskind, MS)
+Noted at quick check 1135 1/2 w/YL in FF & local mx. (Baskind, MS)
+4/25 fair w/continuous FF talk & tentative "R. Nationale" ID 0032. 4VEC-1033 also exceptional. (Thomas, FL)
- 1080 MEXICO, Mexicali, B.C., XEDY, 12/19 0725 very weak & fadey w/KWJJ interference. WTIC & KRLD both off. Had many mentions of Morlelos. (Kramer, IL)
+Spot for clothing store in San Luis 2341 2/25, mention of Ecos Regionales program, sports 2349, PSA for social security 2407. (Beverage, CA)
- 1080 PERU, Lima, OAX4F, many Latin Americans here Saturday morning 12/17, all of them quite potent. In unexpected KRLD silence discovered at 0650. Amid the SS jumble on tape, a single "R. Nacional" ID at 0700, new one here--R. Something Else is there a few seconds later but it got away from me. KRLD back at 0701. Wonder if this Peruvian is // to the one on 854? (Martin, CO) (I doubt it since they're in the same city. I assume there was no FF talk in the jumble; otherwise your "R. Nacional" ID could have also been the new Haitien.--ed)
- 1080 VENEZUELA, Maracay, YVNR, SS DJ talks, much slick Latin mx, ads for businesses in Maracay; strong but bad modulation; another Venezuelan under, probably Barcelona w/sports commentary but did not check SW Barcelona outlet 0110 10/25. (Ronda, OH)
+Either YVNR or YVQJ, Barcelona, "R. Rumbos" ID & frequent mentions of Caracas good o/WTIC 2337 10/28. (Connelly, MA)
- 1080 [?] UNID, mysterious station came & went o/easily nulled WTIC 10/8 w/US NoR mx (Tony Bennett, etc.) along w/SS vocals & YL announcer w/strange EE pronunciation. No clue at all who this might be as they suddenly disappeared 2245. (Allinson, NC)
+Previously heard & reported mystery station heard again 11/4 2215 w/definite FF speaking YL, FF vocals, & British (EE) top 40 records. Well dominant o/WTIC. Has anyone else heard or know anything about this? (Allinson, NC) (Sounds like the new Haiti station reported a couple issues back.--ed)
+12/16 0223 SS in KWJJ/KSCCO null w/no sign of KRLD. Strange "buzzsaw" fading, fadeout w/no come-back, looping southeast. No Mexicans operate at night on 1080. Whozit? (Wien, CA) (Probably a Mexican daytimer. Many of them are allowed to stay on until about 8 p.m. local time, similar to the pre-sunrise authority in the U.S.--ed)
+This station noted popping up in between KNX-1070 & XEPRS-1090 slop w/SS talk. Heard mentions of Colombia but seems too far out. There was a strong opening to México. No KRLD at all unless this was them. (Harms, UT)
+SS talk by OM & Latin mx u/WTIC 3/8 0137. (Townshend, DC)
- 1085 COLOMBIA, Montería, HJAW, good to s/off 0500. (N2DXT)

- 1085 HONDURAS, San Pedro Sula, HROD, 0436 12/10 w/US pop songs, including an old Bread hit, SS DJ w/short talks; presumed from format; weak & interference from semi-local WBAL-1090. (McNeil, DC)
 +5/15 peaking to fair w/mix of EE cw, pop, jazz, & various Latin mx 0523-0600. "R. Aeropuerto" ID atop song 0555 by OM. Gone 0600. (Thomas, FL)
- 1085 ? UNID, Latin American carrier, no audio, was here 12/19 0728-0735. Also have noted it before this season. (Martin, CO)
- 1090 COLOMBIA, C&cuta, HJBC, 4/3 presumed the CARACOL here w/romantica mx & frequent TC's but no mention of C&cuta. Dominant at 0900. (Thomas, FL)
- 1090 MEXICO, Rosarito, B.C., XEPRS, 11/28 0815 saying they broadcast w/50 million watts. Sounds like it the way they come in here. They also said they have 36 million listeners in 15 states & provinces. (Lobel, CA)
 +12/19 0515 excellent w/Mideast type mx. AA? YL. (Bixby, CA)
 +Wild faith healing session 1027 1/2 w/Reverend Mother McGrown, who offers her services that guarantee success in 3 days. KAAY off, poor-fair. (Baskind, MS)
 +Very nice at 0900 in EE, & around 1100 in SS. Often IDs. (Kawaguchi, JAPAN)
 +i/pop mx & EE programming mixed w/KING all night. (Allchin, NEW ZEALAND)
- 1090 ST. LUCIA, per s/on announcement on 660, R. St. Lucia operates a station here. Unable to get any details. Checked the frequency as soon as I heard them mention it, but 2 SSers & CKKW made any reception impossible. Probably a low powered operation, might be the old 250 watt transmitter that used to operate on 1565/1575. Asked for info in my report to 660. (Merriman, VA)
- 1090 ? UNID, a "R. Sonora" audible 4/3 0900 u/the Colombian. Weak. (Thomas, FL)
- 1091.2 t COLOMBIA, SS talk seemingly contained mentions of "Monteria". Could this possibly be HJAW, a notorious drifter ex-1080, ex-1087? 2335 10/28. (Connelly, MA)
- 1091.5 COLOMBIA, Monteria, HJAW, fair w/SS talk, mention of Monteria 0005 2/16. (Connelly, MA)
- 1092 COLOMBIA, Monteria, HJAW, good w/SS mx 0137 5/7. (Connelly, MA)
- 1100 ANTIGUA, St. John's, ZDK, at good strength w/calypso/reggae mx o/u WWWE tennis match 0150 7/24. (Connelly, MA)
 +Such super signal 9/23, almost skipped over them thinking they were WWWE. 2 fellows discussing Antigua football schedule 2302 w/no sign of former mentioned pest. (Allinson, NC)
 +Good w/nx, including report about plane hijacking in Somalia 0204 10/18. (Connelly, MA)
 +In finally w/ID 0203 10/25. Cx very good at time. No traces of WWWE. This station is not common in my area. (Baskind, MS)
 +0055 EE program of rock mx w/DJ "Brother George", numerous IDs as "ZDK" in one big shout, also whistle jingles, 0200 station ID, nx 0210 jingle, into nx about Antigua, 0220 into religious program called the "Sharon Boscell hour" (?), poor to fair w/no problem from WWWE during auroral cx 10/26. (McClenaghan, ON)
 +Good w/steel band rendition of "O Holy Night" Christmas carol 2354 12/3. (Connelly, MA)
 +Good w/reverberated "ZDK gettin' it on" mention, then Caribbean soul mx 2201 12/20. (Connelly, MA)
 +0700 1/2 good rock & roll mx & looped southeast. (Poda, OH)
 +Good w/pop-soul show, girl DJ 0105 1/13. (Connelly, MA)
 +Loud, alone w/reggae song "Baby Don't Worry" 0006 2/16. Good w/jazz, no ID, pips, then BBC nx, C200 2/16. (Connelly, MA)
 +3/14 0000-0150 at first thought I had WWWE until talk about Caribbean & Antigua by accented DJ in EE. In very well w/Caribbean mx & lots & lots of ads. Good taped ID "this is...Zed...Zed Dee Kay...and Heidelberg, the silent one!". Good listening for almost 2 hours. (Curtis, VT)
 +In w/wall-to-wall softrock 0151, & noted at 0157 w/ads for "happy hour" at Stenmar Retail Store, this was followed by calypso-song identification contest, on 3/29. (Connelly, MA)
 +Good w/soul mx. ID as "The Super Station, ZDK" 0136 5/6. (Connelly, MA)
 +Bombing in w/overly loud local signal; steel drum mx, alone on channel 0102 6/4. (Connelly, MA)
- 1100 COLOMBIA, Bogotá, HJCN, 4/3 0757 good w/long drawn out ID as "R. Reloj" at 0800, WWWE apparently off this MM. (Forsman, MS)
- 1100 ECUADOR, Guayaquil, HCFW2, good ID o/Colombian 0902 4/30. Announcer babbled a bit & the signal faded. Thought this was a dead frequency. (Baskind, MS)
- 1102.4 ? UNID, carrier here 0554 11/11. (Connelly, MA)
- 1110 ? COLOMBIA, unid, many ads for firms in Monteria & Magangué, 0100 6/4. (Connelly, MA)
- 1110 HONDURAS, El Progreso, HRPL, good w/ID & talk by OM 0048 4/2 on the "beverage". (Forsman, MS)
 +W/armchair copy 0412 j/20. Romantica mx. (Baskind, MS)
- 1110 MEXICO, Ciudad Juárez, Chih., XEWR, XEQR-1030--type whistle 0117 2/26. (Beverage, CA)
 t +0018 4/9 w/"Johnny Has a Girlfriend" whistle a la XEQR-1030, then SS rock oldie & "R. Alegria" ID. Had several mentions of ". . .en Chihuahua" but no Juárez mentions. (Beverage, CA)

- 1110 MEXICO, México, D.F., XERED, here w/"La Hora Nacional" relay until 0512 3/27, then local program & frequent slowly sung ID. Fair signal but being plastered by domestic. (Baskind, MS)
- 1110 VENEZUELA, Carúpano, YVQT, audible u/CBD classical mx w/not a trace of WBT 0053 7/24. (Connelly, MA)
 +O/u WBT w/Latin mx, then "R. Carúpano" ID 0102 1/13. (Connelly, MA)
 +Good w/SS talk 0255 2/5. (Connelly, MA)
 +Loud w/rapid-fire SS nx, one man read an item, a 2-note doorbell chime sounded, then a second man went into the next item, then back to the first announcer, etc., "Carúpano" ID given at 0007 2/17. (Connelly, MA)
 +Good w/ad-jingle, "R. Carúpano" ID, SS talk by man 0005 5/7. (Connelly, MA)
 +Noted w/"R. Carúpano" ID, talk mixed w/instrumental mx, then male SS vocal; totally overriding WBT 0328 6/4. (Connelly, MA)
 +0001-0005 6/4 IDed as "R. Rumbos", mention of Venezuela, talk in SS by OM. S/off w/national anthem. Good signal; heard after WBT s/off. (Townshend, DC)
- 1110 ? UNID, Latin American noted here 0440-0455 12/6 poor-good w/YL & OM talking & a bit of nondescript instrumental mx. No apparent IDs & faded down by the hour. Bad splatter peaks from CFAW-1070 didn't help. Looped Central America. Maybe México. Little domestic interference. (Hall-Patch, BC)
 a +A poor Latin American signal noted drifting all over the place but primarily just below KMOX-1020 w/Latin & instrumental mx & OM announcer. This was on my TRF, so frequency was difficult to read & pinpoint. Seemed to be fading o/u unid domestic probably WBT. Was looping from southeast. I suspect South America due to mx. Will keep trying. (Baskind, MS)
- 1120 DOMINICAN REPUBLIC, Santo Domingo, HICN, caught my attention w/talk "desde Santo Domingo", then "R. Antillas" ID w/echo, o/KMOX & second Latin American (Venezuela?) 0100 1/13. (Connelly, MA)
 +Heard in the clear for a few minutes around 0000 3/28. One singing "Antillas" ID & several references to Santo Domingo. (Stanbury, ON)
 +Very good w/"R. Antillas" ID, ad for "Angelo's" disco, then utempo male SS vocal 0156 3/29. (Connelly, MA)
 +Good w/mention of "studios en Santo Domingo", ads for Santo Domingo businesses, then female SS vocal o/het growl 0138 5/7. (Connelly, MA)
- 1120 VENEZUELA, Maracaibo, YVMF, 2335 10/18 SS, jingles, some rock mx & Latin mx; good, totally readable if you know SS. (McClenaghan, ON)
- 1120 ? UNID, Latin mx u/KMOX could be Dominican Republic or Venezuela. Heard w/ slight WBT-1100 sloop 3/8 0105. Wiped out by KMOX 0126, hence unable to ID. (Townshend, DC)
- 1124.6 ? UNID, loud Latin mx, SS talk, no ID recognized so far, very strong 0310 1/2. Probably either Dominican Republic, Panamá, or Costa Rica, but would like to narrow it down. (Everitt, OK)
 +Same old unid w/very good signal, SS talk, Latin mx similar to Mexican ranchera mx, SS version of "Feelings" & more Latin mx 0347 1/6. (Everitt, OK)
 +Mystery continues here 0420 4/12. Fair carrier, bits of mx. Was not //4832 SW outlet which IDed as "H-B, R. Reloj de Costa Rica", same as 700 outlet. Noted again 0425 4/13 w/a little mx in CKWX-1130 splatter. (Hall-Patch, BC)
 +OC and het in loud & clear 0756 6/15. Probably Costa Rica? (Korinek, CA)
- 1124.7 COSTA RICA, San José, TISRHB, one of the stronger splits since appearing here a month or so ago. S/off 0500 after nonstop MoR & instrumentals, mentions call, location, slogan. (Hutton, GA)
 (See also 1125.--ed)
- 1124.7 ? UNID, nil good Latin American carrier noted here 0508 3/20. No audio evident at any time but CKWX-1130/KPNW-1120 splash didn't help. PFM seemed 1124705 (5 Hz error, splatter kept fouling up the SAH). Costa Rica is supposed to be 1125. Anyone know if they're actually 1124.7 and keep OC on after 0430 s/off? (Hall-Patch, BC)
- 1125 COSTA RICA, San José, TISRHB, strong 12/9 0125 w/SS speech by man //4832, 6006 on separate receivers. Another night heard again around this time but not //4832. (McNeil, DC)
 +Logged w/strong signals in the clear 1/7 0040-0110+. Later that evening they were mixing w/a second Latin American, presumably Dominican Republic, although not actually IDed. Since then R. Ellas has been alone on the frequency. Seems to be a power increase. (Stanbury, ON)
 +MoR mx 0251 2/26, YL w/announcement between songs 0254, "R. Ellas" ID, then another song, 0302 short YL announcement, then record, man said "R. Ellas" o/song 0303, 0305 time tones, YL gave TC & "R. Ellas" ID. (Beverage, CA)
 +Has been detectable here nightly for the past month, although not necessarily readable every evening. The ID heard was "R. Ellas". (Stanbury, ON)
 +IDs as Ellas most of the time but every hour on the hour they ID as "R. Super", along w/call letters. (Hutton, GA)
 t +3/31 0438-49, weak, Leo Sayer song, maybe in SS, more SS rock, mx always at a much better level than the voice. (Cartwright, PA)
 a +4/17 0808 probable source of strong carrier, het & all. (Korinek, CA)
 +4/28 fair w/slow, moody, Latin mx & fanfare lead-in to "R. Ellas, R. Cadena Nacional...etc" 0440. (Thomas, FL)
 (See also 1124.7.--ed)
- 1125 ? UNID, separate from 1124.6 unid & usually not in at same time, good w/Latin mx, YL announcer 0245 12/31; note McNeil has it as Costa Rica, does not appear to be //4832 or 6006, but he mentions similar thing. (Everitt, OK)
 +Very confusing situation here. Dominican Republic noted w/strong signals atop a second Latin American from 2340 tune-in 1/5. R. Antilles was consistently here

- in the recent past but on this occasion, second seemed //Costa Rican transmitters on 4832 & 6006 kHz as McNeil reported in 12/24 DXWV. (Stanbury, ON)
- +Latin American? 0800-0900 1/2 strong, het. Loop east-southeast, heard again 0900. (Poda, OH)
- +1/16 0858-0925 strong carrier noted here, but no audio. Loop has Costa Rica written all over it. (Korinek, CA)
- +Probably Panama, (too early for the Costa Rican); SS talk & mx, weak--clobbered by WNEW-1130 0009 2/16. (Connolly, MA)
- +SS OM & YL here 2/16 2300 w/EZL mx. Poor w/deep fades & adjacent slop. Thought I heard a reference to Dominican Republic at 2300, loop would agree.
- (Thomas, FL)
- 1130 COLOMBIA, Barranquilla, HJAC, noted w/"Rio Mar" ID poking through WNEW 0454 10/30. (Connolly, MA)
- +4/3 2344 good w/ads, nx & "Atencion Barranquilla" by OM during nx, on the Beverage. (Forsman, MS)
- 1130 DOMINICAN REPUBLIC, Santiago, HIRL, noted back on their assigned frequency 0400 1/11 s/off. Strong & atop the frequency at this time. (Stanbury, ON)
- +4/5 0027 good w/Latin American vocals, IDs as "R. Exitos", into SS pop mx. (Forsman, MS)
- 1130 MEXICO, Nogales, Son., XEHN, 0015 2/26 w/"R. Rama" ID between songs. (Beverage, CA)
- 1130 t NICARAGUA, Managua, YNRC, believed the one here w/special program on Somoza 1/11 0215-0300+. Fighting it out w/approximately 3 other Latin Americans. (Stanbury, ON)
- 1130 ? UNID, lots of singing IDs on this one that sound like "R. Ahlehleeh" plus some more that sound like "este L" or "ZL". Perhaps this is XEZL but the WRTH says that's R. Juventud. This a toss-up? (Ayers, MS)
- 1135 t GUATEMALA, Retalhoulou, TGVR, I think this is the one on daily at 1000. On 1/16 noted 1009-15, 1028-32, 1047-52 w/CST TC's, lots of superfast SS, no positive country, city or slogan IDs. Signal good at best, nil at worst (had an 18 db fade once!). After 1100, this is hetted by Indonesia-1134. (Seaver, CA)
- 1135 ? UNID, Latin mx & SS talk very loud several times lately, no ID recognized so far, especially good 0415 10/5. (Everitt, OK)
- +Latin mx w/lots of drums, noted at fair level 0255 12/31, while trying to check out 1125 unid. (Everitt, OK)
- 1140 COLOMBIA, Cali, HJEV, 0609 6/19 fair w/"La Voz del Valle" ID right as I tuned in...how nice of them. (Baskind, MS)
- 1140 CUBA, Camaguey, CMJK, "R. Reloj" ID & format 1140 1/2 w/fair signal alone on frequency. First time heard. (Baskind, MS)
- 1140 EL SALVADOR, San Salvador, YST, "...paracer R. El Mundo" by YL 0223 5/26 fair w/some Mexico interference. (Baskind, MS)
- 1140 MEXICO, Monterrey, NL, XEMR, must be the one here w/odd jingles--a drumroll followed by YLs screaming something, then a horsie sound produced by a trumpet. The YLs may be saying "M-R!" but I can't tell through the static. Lots of commercials. WCers, what do you think? (Baskind, MS)
- +Most likely the source of Mexican pop mx 0730-0830 1/9; no legal ID heard but lots of singing IDs by YL that sounded like "La...M-R" followed by a cheer. Sounded automated. (Tomer, CA)
- +0830 6/15 poor u/KRAK w/SS talk & ranchera mx. (Korinek, CA)
- 1140 ? UNID, 4/17 0803 unid SS mx u/KRAK OC. Loop bearing 97 degrees. (Korinek, CA)
- (WQBA in Miami loops about 94° from your location & is SS, dunno if they're AN MM's. XEMR in Monterrey is heard here MM's once in a while but they loop a bit farther south.--ed)
- +1029 5/1, Latin pop mx in CKXL null w/TC of "4:29". Poor-good but no apparent IDs. Not heard since. (Hall-Patch, BC) (I heard XEMR here once w/that format.--ed)
- 1150 MEXICO, Mexicali, B.C., XERM, 12/16 0219 in fair o/everything w/moderate KLOK-1170 slop, ranchita rx, ID, mention of Mexicali. (Wien, CA)
- 1155 t EL SALVADOR, San Miguel, YSCF, possibly the one w/SS promos by OM, soft Latin mx 0300 12/31. However, sounded like "R. Trio" or similar. (Everitt, OK)
- t +Possibly the one w/US pops & SS disco-style mx 0510 1/6. (Everitt, OK)
- +2/20 finally a positive on this one 0532 w/"Y-S-C-F, Ondas Orientales...El Salvador". Had some really beautiful jazz flute along with a variety of Latin American fare. (Thomas, FL)
- +W/very full ID 0517 4/3. This station limits itself to restrained Latin & US MoR & EZL mx similar to Honduras-944. (Baskind, MS)
- 1155 ? UNID, good signal w/SS DJ & American soul & rock mx 0422 10/5. (Everitt, OK)
- +11/18 soulful Latin mx & US pop/soul in SS audible 0317-0330. ON unreadable. Fair w/fading & looped to El Salvador so YSCF best guess. (Thomas, FL)
- 1160 COLOMBIA, Barranquilla, HJBL, fair 12/23 0655 in KSL null w/ID & mx. (Lazar, WI)
- +Latin vocals, good clear ID 0022 fair in long fades 11/11. (Ronda, OH)
- +1/11 0435 all alone w/"R. Aeropuerto" ID. (Kramer, IL)
- +4/3 2330 good w/apparent local nx, several mentions of Barranquilla, 2-tone chime IS between nx items, on the Beverage. (Forsman, MS)

- + "R. Aeropuerto" noted clear ID, then mentions of Barranquilla; briefly o/het growl 0331 6/4. (Connelly, MA)
- 1160 ? CUBA, 5/9 briefly atop frequency w/"Territorio libre en América" & Habana mention 0230. Slow moody Latin mx. No call or slogan heard. (Thomas, FL)
- 1160 DOMINICAN REPUBLIC, Santiago, HIBG, 12/22 0352 w/ID 0440 thanks to Forsman tip. Poor-fair overall. (Baskind, MS)
- 1160 ? MEXICO, unid, "R. Felicidad, en (?), México..." heard 0700 5/7. Who is this? (Baskind, MS)
- 1160 ? UNID, 11/2 2215 in strong at times w/SS announcer who was screaming frantically at times, interspersed w/upbeat Latin mx. (Apel, NY)
- 1163 HONDURAS, Paraiso, HRGF, 1026 6/12 w/semi-ranchera mx, GMT-6 TCs, & a tape which stuck. Fair this & most AMs after LSR kills interference. (Baskind, MS)
- 1165 ANTIGUA, St. John's, Caribbean Radio Lighthouse, good w/EE religious talk 0055, 7/24, stronger than 1160 or 1170. (Connelly, MA)
 +Fair-good w/religious program, ID 2030, stronger than WWVA-1170, becoming a regular just after LSS. (Morby, NY)
 +Finally in o/interference, splash, & noise 9/2 w/good signal, religious program & mx, s/off 0216. (Baskind, MS)
 +Children's religious program 10/6 2244, then "Sailor Sam" radio serial 2249. (Allinson, NC)
 +0025 10/15, EE program of birthday greetings interspersed w/hymns. (McClenaghan, ON)
 +11/2 2202-2208. Male announcer w/BBC World Nw. Signal good-nonexistent in midst of WJJD-1160 & WWVA-1170 slop. (Apel, NY)
 +0030 11/4 poor but fair at times after 0035. Some WWVA-1170 interference. Religious singing. 0036 man talking, taking mailed-in requests for songs from Antigua. (Poda, OH)
 +Loud w/EE dramatic presentation, US accents, 2356 12/3. (Connelly, MA)
 +Fair w/EE religious program in wide KVOO-1170 slop 1110 1/5. (Everitt, OK)
 +Fair w/preacher in EE; WACQ-1170 slop nulled 0053 1/13. (Connelly, MA)
 +Loud w/man in EE, TC 8:10, "The Guidelines", a commentary program, 0010 2/16. (Connelly, MA)
 +Nice s/on 0958 2/20, but completely ruined by KSL-1160 splash at critical times which ended after they had gone to regular schedule. Rats! (Peterson, CA)
 +3/14 2224 noted coming in well 1/4 hour before LSS w/religious talk. (Curtis, VT)
- 1165 ? UNID, carrier 1015 11/20, must be Antigua. (Peterson, CA)
- 1170 COLOMBIA, Cartagena, HJNW, booming in w/not a trace of WWVA; Latin mx "La Voz de Heróica" ID very clear 0459 10/30. (Connelly, MA)
 +Good w/"La Voz de Heróica" ID during nx 1/6 0050. (Lazar, WI)
 +Logged atop the frequency 3/12 w/IDs 0420 & 0423. (Stanbury, ON)
 +4/4 2326 very good w/long newscast, several IDs heard, on the Beverage. (Forsman, MS)
 +0433 5/6 w/slogan, call, & location, alone on frequency. (Baskind, MS)
- 1170 COLOMBIA, Tunja, HJGA, is yet another Colombian whose harmonic is heard on 2340 until 0400 s/off. But this is definitely not the one previously reported as the unlisted R. Cúcuta. Among other things, this one has a secondary ID which begins "La Emisora..." which R. Cúcuta does not. Thus we've had 3 different harmonics on 2340 during the past year. (Stanbury, ON)
- 1170 COLOMBIA/VENEZUELA, R. Cúcuta is a new station on this frequency w/harmonic heard several times on 2340 kHz until 0400 s/off. However, in the past a Venezuelan, R. El Sol at La Fria, operated here & La Fria is less than 50 miles from Cúcuta. Further R. El Sol once also had a strong harmonic on 2340. But R. Cúcuta definitely announced as a Colombian. (Stanbury, ON)
- 1170 HAITI, Port-au-Prince, R. Soleil is new; heard 0208 6/19 w/FF radio play, then again 0957 w/IS; OM repeats "R. Soleil" & a chord of mx is played each time. Quite distinctive...nice signal. (Baskind, MS)
- 1170 MEXICO, Reynosa, Tams., XERT, OM w/shouts "R. Hits!" taped ID1143 1/2. Fair. (Baskind, MS)
- 1170 VENEZUELA, Acarigua, YVQV, 1/5 0305 good w/SS spots & mention of Acarigua. (Kramer, IL)
- 1170 ? UNID, colossal signal in the null of KVOO around 0100. Listened for o/h hour. Never noted this one before that calls itself "R. Grande" but I'm pretty sure I heard a mention of Reynosa & that would make it XERT, which the WRTH lists as being D1 5 kw. I'm terrible at calculating LSS times so I don't know if the sun was still up in Reynosa or not. But it seems to me that XERT is now "R. Grande". (Ayers, MS)
- 1175 COSTA RICA, Limón, TIQ, no definite ID heard but had 3 ads in 10 minutes time for a Costa Rican presidential candidate who was appearing in downtown Limón. Fair signal 1/6 0144. (Lazar, WI)
 +In 0533 4/3 w/EE program & US pop mx for Americans residing in Costa Rica & vicinity. It sounded as if the OM announced 1180 kHz along w/SW & FM frequencies. Fair overall w/unusually low noise levels. (Baskind, MS)
 (See also 1176.--ed)
- 1175 UNID, weak SS talk hetting 1180 1141 1/2. (Portzer, WA)

- +Found a US station, cw stuff MM 5/15 in same time zone as Denver, fading in & out indicating it was not any local freak. 0535-0603 & apparent s/off, 3 minutes after local midnight. Suspected KOFI at first from 1180, but heard them s/off on correct frequency 0607. Did not sound like any variety of spur for audio was clear. Looped southeast-northwest. Anybody else spot this off-frequency situation? (Martin, CO) (How about TIQ, Limón, Costa Rica, which has been near here for some time now, is on GMT-6 (same as MDT), and runs EE until 0600+ s/off?--ed)
- 1176 COSTA RICA, Limón, TIQ, likely source of Latin mx w/good signal in domestic slop. This one's been festering here for some time now & I'm convinced it's them. 0339 1/2. (Everitt, OK)
+Poor-fair w/operatic vocal 0912 2/16. (Connelly, MA)
+4/20 averaging fair during 0500-0600 EE program w/Tony Bennett, Brenda Lee, Connie Francis mx & EE DJ. Full "R. Casino" ID (gave frequency as 1180 & power as 1 kw) 0543. S/off 0601. (Thomas, FL)
(See also 1175.--ed)
- 1180 COLOMBIA, Neiva, HJOV, 2/6 0325 o/u another unid Colombian w/fast SS mx & weakish signal. (Baskind, MS)
- 1180 ? COLOMBIA, often heard here in "RCN/Radic Suceso" ID 0800 5/15. This probable overnight network program, first heard on 760, also has been found on 1030 & 1000. (Martin, CO) (WRTH says HJGK Bucaramanga is the RCN outlet here.--ed)
- 1180 CUBA, Isla de los Piños, CMBN, "R. Reloj", time ticks, OM & YL announcers 0843 11/26, was poor then but improved quite a bit when next checked 0932. (Baskind, MS)
+R. Reloj outlet fair w/man & woman in SS, TCs & tones every minute 0638 12/4. (Connelly, MA)
t +0800 2/26, time ticks & man in SS every few seconds. Poor volume. (Poda, OH)
- 1180 DOMINICAN REPUBLIC, Santo Domingo, HIBE, s/on 12/31 0905 w/a long list of HI-calls, including this one. Faded into heavy slop 0910. (Baskind, MS)
- 1180 t GUATEMALA, Guatemala, TGT, 0451 12/7 KOFI was very poor at this time so I idly swung the loop south, heard OM in SS then (almost certain) "R. Sonora" sung slowly & sonorously by vocal group. Faded quickly though & didn't return in 5 minutes of continued listening. This is listed for 1180 in WRTH, but in past Foreign Logs it has been heard on 1187, so I can only count it as a tentative as no mentions of Guatemala were heard. Anybody know if this is on frequency now? (Hall-Patch, BC) (Chuck Hutton sends word that Sonora is indeed on 1180 this season.--ed)
- 1180 MEXICO, México, D.F., XEFR, 11/26 0855, snuck in w/ID by OM (could have been s/off, according to WRTH) that ran something like this: "la hora de (something) magica...R. Felicidad, transmitiendo (faded) .de la ciudad de México...". Faded out forever right after OM quit talking. Poor signal. Big surprise for me. (Baskind, MS)
+Heard again 2/4 0626 w/ID u/WHAM. They must have increased power...now becoming a common catch. (Baskind, MS)
+4/2 noted 0730 w/frequent IDs, TCs & MoR-like Latin mx, signal unusually good for 250 watts. (Thomas, FL)
+6/13 0810-25 fair w/EE rock mx & some ranchita mx. (Korinek, CA)
- 1180 VENEZUELA, Ciudad Ojeda, YVNJ, had been in most of the morning when finally it ID'd w/"R. Petrolera" singing ID, "N-J, N-J" by OM announcer 1109 12/31. There were bits & pieces of another Latin American below it w/a couple "Portales" & "...en Santiago" mentions, but much too tentative to list. Interesting nonetheless. (Baskind, MS)
- 1180 ? UNID, had some Latin American here 1128 11/12 when VOA Florida Yankee-Doodled it out of the picture. (Martin, CO)
- 1190 t COLOMBIA, Barranquilla HJCT, 11/18 around 0457 w/poor signal, many mentions of Barranquilla but no ID. (Baskind, MS)
+In w/nary a sign of other Colombian 0406 5/2. "La Voz de la Costa" ID & EZL mx 0409. (Baskind, MS)
- 1190 COLOMBIA, Bogotá, HJCV, 2/6 fair at apparent s/off 0800 w/"R. Cordillera" & "R. Centro" IDs. Ding-dong-ding ("N-B-C"-like) at ID. Modern Latin mx pre-s/off. WOWO off. (Thomas, FL)
- 1190 CUBA, Ciego de Avila, CMJP, 1010 6/14 w/nx by OM //1430. (Baskind, MS)
- 1190 MEXICO, Guadalajara, Jal., XEWK, I assume this was the Mexican w/"..esta es XEW..." 11/18 0448. Poor-fair w/interference from the Colombian. (Baskind, MS)
+Blasting in 2/6 0325 w/"XEW" ID. (Baskind, MS)
- 1190 MEXICO, unid, 1/2 1149, usual Rancho fare here, a muffled IS around 1153. Must be a Mexican but no shreds of ID or any city mentions. XEWK? I was rushing to beat LSR & didn't have time to check //s. Poor-fair. (Baskind, MS)
(The use of an IS suggests XEWK. They have the same IS as XEW-900, XEW-540, etc; I believe it has 4 descending chimes.--ed)
- 1190 VENEZUELA, Barinas, YVRE, noted w/SS talk, "R. Barinas" ID 0154 2/16. (Connelly, MA)
- 1190 ? UNID, here's a Mexican I can't figure out. Around 0330 w/interference from another foreign language station, this emerged sounding like "XEBW, R. California". It's definitely Mexican, but the call letters & slogan don't fit. (Ayers, MS)

- 1197 ^t HONDURAS, San Pedro Sula, HRWW, probably the one w/Latin pops & some U.S. mx, SS DJ's 0320 12/31. Has been noted many evenings lately, but often buried in unquenchable WQAI-1200 slop; note listing for this on 1196 in Foreign Log, but 1197 in WRTH & on my dial. (Everitt, OK)
- 1197 ^a PANAMA, Chitré, Ondas Tropicales, now here, which is a lot closer to their assigned 1200 spot than previous 1244 kHz. Strong 0045-0100 10/20 which was another super night for Latin Americans & exactly 27 days after the first major tropical opening of the season. (Stanbury, ON)
 +SS talk by male, Latin mx, S4 at 0213, S14 0220, at which time a Latin song w/female vocal started. (Townshend, DC)
 +Has been missing from this spot since about 1/1. But Ondas Tropicales definitely was once here w/consistently good signals. (Stanbury, ON)
 +Very good w/SS ads, festive Latin mx 0051 1/13. (Connelly, MA)
 +Noted back here 1/13 w/clear IDs 0125, 0148, 0153. By 0145 signals were strong & easily copied. Also heard 1/14 & 15 w/ s/off 0325 followed by longish anthem. (Stanbury, ON)
^t +Good w/ID & SS talk 0507 2/8. Good w/ID 0232 2/13. (Connelly, MA)
 +Possibly the one here 2/26 w/lovely SS mx 0413, loud & highly charged SS speech for about 7 minutes beginning 0414. Again 0543 w/bongo thumping mx, 0603 w/man talking ambitiously, faded under the mud, then resurfaced 0606 w/singing national anthem, 0610 off. (Beverage, CA)
- 1197 [?] UNID, tropical mx 0305 10/16. (Beverage, CA)
 +Fair-good w/"Ondas Tropical" ID, ads, phone numbers 0316 10/18. "Ondas Tropical" heard again; Latin mx, ID, SS talk, 0312 10/22. (Connelly, MA)
^v +Potent Latin American here w/fast mx; noted before. 0035 11/11. (Connelly, MA)
 +Often heard in evening 0200+, Latin pops mostly, SS DJ talks; on 12/10 caught tail-end of s/off announcement 0327, into national anthem to 0331. Also noted 1135 w/yippy Latin tunes. Probably the Honduras. (McNeil, DC)
 +Carrier looping Latin America 1210 12/26. Honduras listed so perhaps them. Was going to come back to it but forgot due to other distractions. (Peterson, CA)
^a +1/11 0050. Strong carrier, looped south 1/16. 0527 carrier w/weak, lively Latin mx, no call, Honduras presumed. (Thomas, FL) (Panamá also possible.--ed)
- 1200 BRAZIL, Sao Paulo, ZYE419, noted on 1200 kHz from 1300 kHz. (Dario Monferini, ITALY)
- 1200 COLOMBIA, Riohacha, HJZW, ID 0230 9/16 "R. Almirante, informa la hora..." (ARCTIC)
 +Good all evening 12/4 as 0025 w/ID by OM. (Beauregard, QU)
 +Loud w/varied Latin mx, some of which was of the "rustic" accordian style; ID 0148 2/16, totally dominant. (Connelly, MA)
 +2/28 0003 mx or speech, then "R. Almirante" ID & Colombia mention. Quickly replaced by Venezuelan. Poor-fair before WQAI a problem. (Thomas, FL)
 +In w/nonstop SS talk, mention of "R. Almirante" o/second Latin American 0152 5/7. (Connelly, MA)
 +Here MM 5/13 0648-0730 when WQAI put on OC. Cali is R. Super & was first heard here 1/16. The other Colombian revealed itself w/a clear "Almirante" ID 0700. Bad het between these two & the vernier measures them at 4 kHz apart. No sign of Venezuelan formerly here when WQAI was off. (Martin, CO)
- 1200 GUATEMALA, Jutiapa, TGRJ, w/"R. Jutiapa" ID & marimba mx o/WQAI OC 0615 5/1. Had singing ID but TT wiped out all but a sung "Jutiapa..." (Baskind, MS)
- 1200 VENEZUELA, Caracas, YV02, SS discussion of Venezuelan fdtbol, mixing w/WQAI; fair-good at fade-in peaks 0405 11/3. (Ronda, OH)
 +Good w/SS vocal 2349 11/15. (Connelly, MA)
 +As usual MMs 0752-0756 12/19. Bad het on frequency from something on 1200.4. (Martin, CO)
 +Fast Latin mx, in very bad het, but nevertheless caught "R. Tiempo" ID. (Curtis, VT)
 +& unid here, not sure which was which; fast SS talk loud 0042, second station rising up w/rustic-sounding Latin mx 0045 1/13. (Connelly, MA)
 +1/16 1040-53 strong w/lively SS vocals after WQAI 0900 s/off, het noted. (Cartwright, PA)
 +Fair w/typical tropical mx, YL announcer, & constant ID's by OM as "Radio-Tiempo" 0843-0855 2/13. (Gerardi, IL)
 +2/28 fair-good w/lively Latin mx 0010, "Radio-Tiempo" IDs. (Thomas, FL)
 +4/17 0758 in excellent w/typical brassy type mx. WQAI off. (Korinek, CA)
- 1200 [?] UNID, several Latin American stations during WQAI silent period, one dominating w/very good signal & Latin mx, SS talk, but no apparent ID 0900 1/9. (Everitt, OK)
 +SSer weak around 0800 2/13 w/WQAI off; maybe Venezuela. (Tomer, CA)
- 1205 CAYMAN ISLANDS, Georgetown, 8/29 0940 suspect this one via het. (Korinek, CA)
 +Good signal here 0127 10/5. (Everitt, OK)
 +10/10 0215 het against WQAI-1200 surfaced occasionally w/program //1555. Tri-tone chimes & YL w/"R. Cayman" ID 0230. Not usually heard due to that 50 kHz monster on 1200. (Baskind, MS)
 +BBC-like Question & Answer program almost buried by WCAU-1210 0048 10/20. Heineken spot 0050, then chimes & ID. (Allinson, NC)
 +0425 10/30 EE religious talk, 0430 chimes, s/off notice, then 2 verses of God Save the Queen (same as 1553), very poor, first time heard. (McClenaghan, ON)
 +11/10 fair level but soft OM/YL talk mostly unintelligible. Chimes mark 0115 TC by YL "The time is now 8:15". (Thomas, FL)
 +Most likely source of strong carrier, some instrumental mx heard 0359 12/3; again w/mx 0404. (Tomer, CA)
 +Atop channel w/Sinatra-type song, SAH from presumed France 2223 12/20. (Connelly, MA)

- +Poor w/EE talk on apparently religious subject //1555 1115 1/5. (Everitt, OK)
 t +Possibly the tester here 5/6 0620 at excellent level. One romantica Latin song & gone. (Thomas, FL)
- 1207 a. HAITI, Port-au-Prince, 4VDS, u/Cayman Islands-1205 until its 0430 s/off, then all alone w/ID 0449 6/8. Listed for 1210. Poor-fair, FF mx & announcers. (Baskind, MS)
- 1207 a? UNID, soft mx here possibly the Cuban formerly on 1208.6a, mucho WCAU slop 2222 12/70. (Connolly, MA)
- 1210 CHILE, Santiago, Cbl21, 10/10 0539 good taped ID as "La Compania de R. Universidad Técnica Santiago, Chile." Had 3 selections pop mx, then YL w/words of wisdom or proverb. I tried to translate but it didn't make much sense. Mentioned XQBC 96.5 FM sister station? Signal was very strong at times but had deep fades. Thought this was Martin's SS, but I guess not. (Bergman, CA)
 +I listened to Mark Bergman's tape of this station 10/10 and managed to get the following out of it after a choral song: "Antofagasta... (possible title of previous song)... en Santiago, XQBC, noventa seis punto cinco, frequency modulares... y ciento vintiuno (i.e. 121)... de momento. Emisoras de la Universidad Técnica del Estado, estudios... Santiago de Chile." Tape also had slogan only ID wedged between a Lou Rawls-type soul record & a big band record! WRTH lists s/off as 0300, so reception at 0539 apparently a schedule change or maybe an ET; don't know if Chile has FM or not but XQA-XRS calls are assigned to Chile per FBIS list. An interesting catch. (Portzer, WA)
 +Re logging of R. Universidad Técnica. I showed the report to a Chilean friend (also a student at Purdue). He pointed out that Antofagasta is a city about 1000 km north of Santiago. WRTH lists another station also, R. Univ. Técnica, on the same frequency in Antofagasta. He believes the stations form a network. Univ Técnica also has a campus in Antofagasta, he says. My friend also is pretty sure that Univ. Técnica has an FM station in Santiago (though it's not listed in WRTH). He says it would not be uncommon for call signs to be used along w/station names. (Gehringer, IN)
- 1210 COLOMBIA, Neiva, HJFR, noted 12/19 w/2 "La Voz de Huila" IDs 0800, WCAU off as they were on 12/12 & 12/26. Way u/other Colombian except on fades. (Hutton, GA)
- 1210 COLOMBIA, Pereira, HJFF, "La Voz Amiga" ID heard at tune-in 0700 5/30. (Baskind, MS)
- 1210 CUBA, Morón, CMJX, w/s/on 1033 4/9, Cuban national anthem followed by OM & s/OT announcement, ID (included call letters!), location, & so on. Fair-good, quite a surprise. (DDC, MS)
 (See also 1213.5, and 1214.5.--ed)
- 1210 t GUATEMALA, Guatemala, TCMX, 10/10 0506 no ID given but heard mention of Guatemala. Audio very muddy & had interference from stronger signal from Chile, plus fades. (Bergman, CA)
 +11/25 1156 w/light mx, CN announcer, fair signal. (Baskind, MS)
 +Regular here after KGYN 0504 s/off. On 12/7 noted 0455 w/KGYN nulled & logged to 0533 w/many IDs. Second SS occasionally there but unreadable. (Seaver, CA)
 +SS talk by male announcer. Signal weak & mushy u/WCAU, then competing w/but still u/WCAU. 12/17 0212. (Townshend, DC)
 +Fair w/WCAU nulled 1/11 0550 w/"R. Rumbos" ID. (Lazar, WI)
- 1210 GUATEMALA, place unknown, "R. Mundo" ID caught 3 times 10/29 0543-0614--was atop most of the time that period. "R. Rumbos" ID, also Guatemala, heard clearly on TRF at Canon City, CO, one night early October on brief visit there. Maybe TGMX is using the Mundo ID now. (Martin, CO)
- 1210 t VENEZUELA, Barcelona, YVQZ, SS sports commentary, seemingly //1080 Barcelona; fading fast & did not return 0134 10/25. (Ronda, OH)
- 1210 VENEZUELA, Coro, YVMN, finally located here 9/28 0730 w/WCAU nulled. "R. Coro" ID was first given by a male announcer, followed in less than a minute by the ID in a female voice. If Coro is AN now isn't that something new for it? During the several weeks I have been checking this frequency, I have rarely heard the Colombian which formerly dominated here. Recall that I caught it twice. R. Cordoba in Argentina was heard here signing on 0900 way back in 1968. (Martin, CO)
 +Would say this one is usually dominant here after 0800. With good volume 1002-1014 11/11. (Martin, CO)
 +Taped s/on 11/19 0903, "R. Coro" preceded by probable Venezuelan national anthem. Think Coro cannot decide whether it's going to be an ANer or not. (Martin, CO)
- t +Loud SS station w/frequent mentions of Venezuela totally dominated, no trace of WCAU 0008 12/4. (Connolly, MA)
 +Excellent at times 1/2 0715 w/"1-2-1-0" & 0749 w/"R. Coro" ID. Lots of romantic songs. Second SS there occasionally. (Seaver, CA)
 +1/16 0936 fair w/SS mx. No sign of WCAU. (Korinek, CA)
- 1210 ? VENEZUELA, call & city uncertain--a long list of Venezuelan stations read. These included R. Caracas, R. Visión, R. Maracay, and others; heard at 2350 11/15. (Connolly, MA)
- 1210 ? UNID, have located 2 SS stations here in the late hours using IDs which are not La Voz Amiga, for many years the only Latin American heard here after TGED s/off. One is R. Rumbos, that ID heard clearly 0630 8/12, but no location clues & I think it signed off then. What I am sure is a different Latin

American taped 8/15 & caught IDs or commercials 0742 & 0802. Sound quality quite poor on this second station. Was using GMT-4 TCs which fits Venezuela, but I heard no reference to Coro or the other Venezuelan. The Cuban all-nx thing disappeared from 1209 late July & this frequency has become a gold mine for the western DXer, an absolute jungle of Latin Americans there when WCAU is nulled. On MM, my second Latin American mystery strong enough at times to make WCAU nulling unnecessary. (Martin, CO) (Foreign Log 5 has TGMX, r. Rumbos, 1210 w/0608 s/off.--ed)

+ "Monumental" mention in SS announcement after EE rr 0942 10/16. Then another EE rock song. Good w/"Disco Duck" 0959 after announcement, but faded near end of song. (Beverage, CA)

+ Varying pitch het behind WCAU "wobbling" of carrier seemed to be random, possibly following modulation. SS talk from a second Latin American, this one stable, also heard, zero-beat w/WCAU 0032 11/11. (Connelly, MA)

+ W/WCAU OC, what could this SS w/Santa Maria heard 0915 12/26. Didn't get ID as WCAU came back on at 0930. (Beauregard, QD)

+ 1/2 0915 SS in fair, noted in passing w/good up tempo Latin mx. (Korinek, CA)

1210^{±5} UNID, superb ad drifter wobbling all o/WCAU; SS mx heard 0205 3/29. (Connelly, MA)

1212 ^{a?} UNID, Latin American noted on high side of the 1210 Venezuelan; SS talk, then Latin American MOR 2351 11/15. (Connelly, MA)

12.3.5 CUBA, Morón, CMJX, is here, first noted 11/28 1031--found again 12/4 0409. Pretty weak but definitely SS. (Martin, CO)
+ Were varying from 1212-1214 last month. Back around 1210 now. (Hutton, GA)
(See also 1210 & below.--ed)

1214.5 ^a CUBA, Morón, CMJX, 1/11, the wandering Cuban noted about here 0059 w/soft MOR mx. Flamenco guitar at "R. Morón" ID & location 0100 good. (Thomas, FL)
(See also 1210 & above.--ed)

1220 ^t BRAZIL, Rio de Janeiro, ZYD65, apparent PP talk by man occasionally surfacing through SS Latin Americans; the domestics were pretty well cleaned off by aurora 0012 2/17. (Connelly, MA)

1220 CUBA, Central España, CMGA, 10/11 0200 "R. 26, Cadena Nacional" ID on top of hour & 0230. Old calypso mx, OM announcer. They are also running a promo along w/IDs pushing October Socialist Revolution. Sounded something like: "Proliterio...Socialista!" Played Soviet national anthem w/promo. Fair overall. (Baskind, MS)
+ A couple of Latin American rock songs & other Latin mx w/SS talk, ID 0128, then typical Cuban military mx followed by sporting event. Agrees w/Mark Connelly's unid. Has this raised its power from the 5 kw listed in FBIS 6/74? Fair-excellent, SS 0110-0140. Thought I had XEB until I heard the familiar military mx, mention of Pinar del Rio 0149 clinched this as Cuban. Wiped out WGAR at times. (Townshend, DC) (78 WRTH lists this as 10 kw.--ed)

1220 MEXICO, México, D.F., XEB, "La B Grande de México" ID w/TC & Carta Blanca spot, then Song 0452 2/26. (Beverage, CA)
+ In well w/harpsichord mx // to all the others 2/27 0443 during fast Mexican bandsearch...I've started to log the regular XE's that I've been too lazy to spend time on otherwise by IDing their //s when they run "La Hora Nacional" Sunday nights. (Baskind, MS)
+ 1051 5/26 talk in EE, singing ID, fair. (Townshend, DC)

1220 [?] UNID, nonstop SS talk, possibly a sporting event, seemingly gave R. Rebelde mention, but announcer's style not like that of typical Cuban programming 0140 3/29. R. 26 listed for Cuba (CMGA). (Connelly, MA)
+ 0121 6/19 I heard several "T-W" or "G-W" IDs after a block of ads. Looped south-southwest...sounded Mexican, but that is rather improbable. Not XEB. (Baskind, MS)

1224 COSTA RICA, San Francisco de Heredia, TIPJ, "R. Nueva Victoria" fair 0441. (NZDXT)

1224 ECUADOR, Guayaquil, HCBJ2, R. El Mundo, 9/17 0330. (Arctic)

1224.2 [?] UNID, noted for the last few months w/fair-poor audio. The Europeans have reported both TIPJ-R. Nueva Victoria & HCBG2-R. El Mundo here. At times good enough to ID but haven't gotten lucky yet. (Hutton, GA)

1230 BERMUDA, Hamilton ZBM1, strong (briefly), wx & ID 2200 followed by religious program 10/31. (Dunn, NS)

1230 ^t CUBA, Central Australia, CMGC 10/11 0230, thought I could detect 1220's // here w/bits of audio o/u mucho slop. (Baskind, MS)
+ Finally nailed down //1220 0251 5/30. Very poor, barely in at all. (Baskind, MS)

1240 CUBA, La Jaiba, CMGW, "R. Vientixéis", ID by OM & talk about local affairs 1056 4/9. Very poor. (DDC, MS)

1240 GUATEMALA, TGK, 0600-0652 program of slow SS ballads mostly sung by OM, talk between songs, IDs 0601, 0642, 0652, a few ads also; signal was poor-good. Peaking at times such as 0611 & 0642, no interference, 5 kw, heard 10/30. (Wolfish, ON)
+ 5/15 good w/"Sunny" in SS & upbeat Latin mx. Singing ID "R. Sensación" 0610. (Thomas, FL)

- 1240 MEXICO, Guaymas, Son., XEBQ, "R. Mexicana" ID between songs 0312 10/16, then call ID & spot 0314. (Beverage, CA)
- 1240 MEXICO, León, Gto., XERZ, 4/3 1000 w/"R. Mexicana" ID u/KSON w/religious program called "The Master's Way". Departing from usual cw. (Lobel, CA)
- 1240 MEXICO, Nogales, Son., XECG, "Ceh Hey, R. Mexicana" ID 0223 4/9, loud & dominating the channel. Also had ID as "Aquí esta su gallo, en R. Mexicana" w/lotsa whoops & cheers. "Gallo" is SS for chicken, so something may have been lost in the translation. (Beverage, CA)
- 1240 ? UNID, 12/16 0808, who is the one who IDs as "R. Mexicana"? In KIMBY & KROY null after KSNA s/off, o/unid interference wID. Have heard this one for months. XECG or XEBQ? (Wien, CA)
- 1250 HONDURAS, San Pedro Sula, HRQ, in poor-fair 4/26 0528 w/GMT-6 TCs, sports coverage. No mx heard at all. (Baskind, MS)
- 1250 MEXICO, Hermosillo, Son., XEDL, noted w/"R. Capital" ID & TC, then song 0313 10/16. (Beverage, CA)
+w/mention of Nogales & "R. Capital" followed by spot w/several "La Juventud" mentions. Long local newscast followed 0334 4/9. (Beverage, CA)
- 1255 ? UNID, this one usually very weak but if you wait for the right night it can be heard w/fair strength. (Hutton, GA)
- 1260 MEXICO, México, D.F. XEL, 0617 4/3 w/shouted "R. Capital" slogan ID & US disco mx format. (Baskind, MS)
- 1265 ST. KITTS, Basseterre, excellent (killing WEZE-1260) w/female EE vocal 0119 8/7. (Connelly, MA)
+Religious talk w/religious mx & promo for bible course, EE, poor w/fading & interference 0000-0030 9/7. (Curtis, VT)
+0345 9/12 EE program featuring birthday greetings, some gospel mx, 0400 Sunday devotions, then 0405 s/off. (McClenaghan, ON)
+Noted in passing w/outstanding signal 0125 10/5. (Everitt, OK)
+0035 10/15 EE "Back to the Bible" program, had talk, hymns, address in Jamaica. Good. (McClenaghan, ON)
+Good w/cw style religious song 0209 10/18. (Connelly, MA)
+Like a ton of bricks wiping out 1260-1270 domestics 10/20 w/usual religious fare 0002. (Allinson, NC)
+10/22 2322 YL vocals, spiritual, then religious talk by OM in EE, fair. (Curtis, VT)
+10/30 2231 ID as "R. Paradise, in St. Kitts, in the West Indies." TC, 29 minutes to 7, followed by "Shower of Blessings Gospel Broadcast". Signal fair but well readable. (Apel, NY)
+0102 11/4 poor-fair w/man in EE w/religious talk. (Poda, OH)
+11/10 0133-0145+. Fair-good during "Family Bible Hour", choir singing. EE & FF. (Thomas, FL)
+11/20 0125, fair, man w/EE religious talk. (Poda, OH)
+Probably the strong carrier looping Caribbean 9402 12/3. (Tomer, CA)
+Good w/religious mx 0011 12/4. (Connelly, MA)
+0105 & most of evening 12/5. Gospel programming, fair signal. First time noted. (Baskind, MS)
+Best ever 0915-1010 & 1055-1105 1/2, thanks to KYA-1260 being on w/carrier only & possibly low power. Modulation rather weak so not always readable. Too bad I missed 0900 s/on for a good report. Frequency 1264984 ±1.5 Hz measured at 0922 & rechecked later--stable. (Peterson, CA)
+0105 1/3 fair man w/religious talk & prayer. Also 0225 1/12 fair w/usual religion. (Poda, OH)
+Superloud w/choral "Alleluia", then EE religious talk 0041 1/13. (Connelly, MA)
+At 0925 1/28 w/request program to listeners in St. Kitts, Barbuda, & Antigua being mentioned. Religious mx w/IDs on 4 hour. (Allchin, NEW ZEALAND)
+0240-0300 in EE w/usual religious programs, s/off 0300 1/31 fair-good w/fading. (Brooker, ON)
+Blasting WEZE-1260 into oblivion w/classical & religious instrumental mx followed by preacher in EE 0301 2/5. (Connelly, MA)
+Fair w/some WEZE-1260 sloop; EE preaching 0014 2/16. (Connelly, MA)
+About 0300 3/13 poor, religious singing. Man read reception report from Manitoba, Canada. (Poda, OH)
- 1270 CUBA, Camagüey, CMJG, 0231 12/5 w/poor-fair signal. (Baskind, MS)
+Clearly dominant w/Reloj program, traces of WTSN showing under 0129 3/29. (Connelly, MA)
- 1270 MEXICO, Navajoa, Son., XEGL, noted 0548 4/9 w/ID as "GL, la Triunfadora en Navajoa", dominating frequency. 0543 had spot w/mentions of "movia", 0549 spot for "Beh Achee (BH)...un evento especial..." (Beverage, CA)
- 1270 MEXICO, Nogales, Son., XENY, 3/4 0435-0440 SS talk & SS mx, frequent "R. Geny" IDs in fair-good o/another SS station. (Harms, UT)
- 1280 CUBA, Santa Clara, CMHM, battling it out w/Haiti 0501 4/9. (DDS, MS)
- 1280 ? HAITI, Port-au-Prince, 4VRH, 4/5 0227 fair, absolutely no WGSO interference, FF talk & Latin mx, on the Beverage. (Forsman, MS)
- 1280 ? MEXICO, "R. Variedades" ID between EE rock songs 0803 10/16, two stations listed w/this slogan. (Beverage, CA)

- 1290 COLOMBIA, Garagoa, HJHI, very rustic Colombian folk mx, clear & solid ID as "La Voz Garagoa" at 0145; faded out by 0155; surely the best thing heard on what was a most rewarding Latin American evening for a new BCB DXer 0143 10/25. (Ronda, OH)
- 1290 VENEZUELA, Puerto Cabello, YVLF, logged virtually in the clear 0330 10/29. (Stanbury, ON)
+1/7 0200 weak u/unid SS w/"R. Puerto Cabello" ID. (Kramer, IL)
- 1290 VENEZUELA, San Félix, YVPF, logged w/clear "R. Canaima" ID & atop the frequency 2347 9/22. (Stanbury, ON)
+0647 6/9 w/tne #8 song in the country. Rather poor. (Baskind, MS)
- 1290 ² UNID, SS talk, possibly a ballgame, no IDs, rolling in atop aurora-enfeebléd domestics 0045 12/4. (Connelly, MA)
+SS talk o/u WRNE, no IDs, towns mentioned; Barranquilla, San Cristóbal 0044 2/9. (Connelly, MA)
- 1300 MEXICO, Ciudad Juárez, Chih., XEP, Chihuahua mention 0438 10/16, "R. Sensación" ID 0442 by YLs, several Ciudad Juárez mentions 0814, 0816 "R. Sensación es la buena..." ID. (Beverage, CA)
+11/21 1029 w/good signal. ID & mention of Ciudad Juárez on half hour. Had ranchero mx. (Lobel, CA)
+R. 13" & call letter ID 0604 4/9. (Beverage, CA)
- 1300 ² MEXICO, "R. Trece" IDs & ranchera mx here o/bad interference 0353 3/4. No clues as to which Trece it was except for the fact that it ran numerous singing IDs which were usually too muffled to make sense of. (Baskind, MS) (XED?-ed)
- 1310 DOMINICAN REPUBLIC, El Seibo, HISD, "one of those relays", w/"R. Dominicana" ID & 3-tone IS 0655 4/17. (Baskind, MS)
- 1310 MEXICO, Agua Prieta, Son., XEPH, "FH de Agua Prieta" ID 0218 4/9 after KIOT s/off. (Beverage, CA)
- 1310 MEXICO, Veracruz, Ver., XEHV, 0312 5/31 w/"H-V...R. Tropico!" IDs & fair signal. Possibly AN now. (Baskind, MS)
- 1315.6 VENEZUELA, Guatire, YVIC-1520 was noted here on 1/17 by Chuck Hutton. Heard here only that one time. (Arctic 2/78)
- 1320 PERU, Lima, OAX4I, excellent 0530-0550 "Aquí La Crónica" w/'la música internacional' good. (NZDXT)
- 1330 COLOMBIA, Cartagena, HJAD, 12/19 0730 w/clear ID & chimes. Alone o/rumble of unreadable domestics. (Hutton, GA)
+1/11 0010 good w/SS nx, many mentions of Bogotá & Colombia. (Kramer, IL)
+Somos profesionales, somos R. Vigía, somos Todelar" very good 0525. (NZDXT)
- 1330 ^t HAITI, Port-au-Prince, 4VRW, 11/8 strong possibility, surfaced to fair level w/rapid FF talk by OM 2320. Lost to interference 2322. No call heard. (Thomas, FL)
+Rules the frequency now, first heard 12/24 0315 w/Christmas mx & IDs, OM & YL in FF. (Hutton, GA)
+Now well in control of the frequency most evenings. 1/5 2355 w/local nx & announcements. OM & YL FF announcers. Fair-good signal. (Baskind, MS)
- 1339 ² UNID, Latin American suspected (Cuba?) as source of ripping het & garbled audio pestering 1340 domestics 0506 3/5. (Connelly, MA)
- 1340 CUBA, Central España, CMGU, doing a job on WROD etc. 3/13 all morning. Digression: I thought all Reloj's used the same pips & bongs but come to find out there are distinct variations. (Hutton, GA)
+Buried in high noise level 0805 4/30. (Baskind, MS)
- 1340 MEXICO, Mexicali, B.C., XEAA, many "R. doble A" singing IDs 0033 2/26. (Beverage, CA)
- 1340 MEXICO, Monterrey, N.L., XENV, w/"R. Alegría" singing ID & SS talk 0358 5/6. (Baskind, MS)
- 1340 PANAMA, David, H0W26, just peaking in 0400 5/5 w/local mx, mention of "panameños", etc. but no ID. Oh rats. (Baskind, MS)
- 1345.3 ² +UNID, Latin American here w/Muzak weak 0445 10/26. (Connelly, MA)
- 1346 ^a +UNID, 5/6 mostly carrier here 0630 but bits of audio surfaced (beeping sounds, SS talk & very slow Latin mx). Weak. (Thomas, FL)
- 1349 MEXICO, San Luis Río Colorado, Son., XELBL, "R. Centro" ID 0024 2/26 between lively songs, "Johnny Has a Girl Friend" whistled 0028 & more "R. Centro" IDs. (Beverage, CA)
+"R. Centro", heard weakly u/domestic w/"Johnny's Got a Girlfriend" whistle 0729 4/9. (DDC, MS)
- 1349.2 MEXICO, San Luis Río Colorado, Son., XELBL, 1/14 1318 still noted floating around here fair-good. (Korinek, CA)
- 1350 MEXICO, Torreón, Coah., XETB, "R. Laguna" ID by man 0409 2/26. (Beverage, CA)
- 1350 MEXICO, San Luis Río Colorado, Son, XELBL, w/"Johnny's Got a Girlfriend" or

- whatever you want to call the whistle IS, just like XEQR-1030's; heard plain as day 1022 2/17. Nothing else noted. (Tomer, CA)
- 1360 COLOMBIA, Cartagena, HJTU, 1/11 0040 fair w/"R. Reloj" ID. (Kramer, IL)
+ "R. Reloj", o/junk just long enough to get an ID 0735 6/9. The "j" in Reloj was heavily pronounced as an "h", much more so than I am used to hearing w/Cuba for instance. (Baskind, MS)
- 1360 DOMINICAN REPUBLIC, La Vega, HISS, "one of those relays", readable w/a good "R. TV Dominicana" ID 0156 6/19. (Baskind, MS)
- 1360 MEXICO, Chihuahua, Chih., XEDI, here 9/19 w/local KGB off. Call ID & "R. Mundo" at 0853. (Seaver, CA)
- 1360 VENEZUELA, El Moján, YVTI, logged 0003 9/23. Location is listed as El Moján but announced as Maracaibo. Mixing w/another, unid, Latin American. This was the most outstanding Latin American night in several years. (Stanbury, ON)
- 1365 ? UNID, faint Latin American mx heard several times lately on this frequency w/fair signal 0140 10/5. (Everitt, OK)
- 1370 t COLOMBIA, Barranquilla, HJBO, assumed the one here 0045 10/26. Definite announcement as Barranquilla. Was the third amazing opening of this season w/several Latin Americans topping channels between 1290 & 1440 for up to an hour or more, something that has been very rare during evening hours previously. What makes 10/26 even more striking is that according to WWV there was no geomagnetic disturbance of any kind in progress. (Stanbury, ON)
- 1370 COLOMBIA, Bogotá, HJKX, 1/7 0832 w/late night slow Latin mx & plenty of IDs. Poor-fair but WFDR proof of performance test wiped it out 0844. There was at least another Colombian u/HJKX but it never surfaced enough to ID. (Baskind, MS)
- 1370 MEXICO, Durango, Dgo., XERPU, 1/7 0525 w/US pop mx format & call letter ID. Fair & rather stable. (Baskind, MS)
- 1370 VENEZUELA, Puerto Cabello, YVJD, has moved here from 1380. "Ondas del Mar" ID logged 0145 11/16. (Stanbury, ON)
- 1370 ? UNID, "R. Variedades" ID between songs 0313 2/26. (Beverage, CA)
- 1372 a? UNID, probably Latin American; strong het on high side of WFEA-1370, lower than 1375-St. Pierre 0621 12/28. (Connelly, MA)
- 1380 DOMINICAN REPUBLIC, Santiago, FISC, briefly atop the channel during severe domestic-killing Aurora; strident "R. Nacional" ID, then festive mx 0119 3/29. (Connelly, MA)
- 1380 MEXICO, México, D.F., XECO, strong & dominant w/complete ID & 4-note IS 0732 8/1, then SS pop songs. Local KRKO off. (Portzer, WA)
+w/"R. Eco" IDs, US rock, ranchera mx 0622 4/24. (Baskind, MS)
- 1380 t MEXICO, Villahermosa, Tab., XEUV apparently the one o/u WMEC etc. w/"R. Mexicana" ID by YL 0814 8/28, possible spot 0832, lots of other "R. Mexicana" IDs until 0850 tuneout. (Bytheway, WA)
+Same here 0835-0900 8/28, but also caught one ID scurding like "R. Mexicana, ...Yacoute, El Salvador" (!). No El Salvadorians listed of course...will have to give the tape a closer listen. (Portzer, WA)
- 1385 HAITI, Port-au-Prince, 4VS, 023C 6/13 w/fair signal, very little interference, FF talk & mx. Good ID 0234, MOR selection. 4VRW-1330 was also in at local level. (Baskind, MS)
- 1390 MEXICO, Chihuahua, Chih., XEV, 5/22 0845 good w/"R. Fiesta" ID, TC for 2:45 AM & into SS pop mx. (Bixby, CA)
+Dominant all morning after CKKC s/off 0901 6/5, lotsa "R. Fiesta" IDs heard, call letter IDs heard 0925, 112G, 1143. Covered by KBLW s/on 1159. (Portzer/Bytheway, WA)
- 1390 ? UNID, ranchera mx noted w/CKKC nulled 1115 2/20. (Portzer, WA)
- 1400 MEXICO, Tampico, Tams., XETO, o/slop 0634 5/1 w/singing ID: "T-O, R. de Tampico". (Baskind, MS)
- 1410 MEXICO, Los Mochis, Sir., XECP, definite "R. Impacto" ID 0456 2/26, 9:56 TC between 2 SS rock oldies. (Beverage, CA)
- 1410 MEXICO, México, D.F., XEBS, 2/26 0623 w/7-note electronic IS (like ABC TV's "Newsbreak" synthesizer tones) u/local WUNI's clean but powerful signal. A bit of a surprise as the domestic was not in null. (Baskind, MS)
+5/22 poor w/Mexican mx & "R. Sinfonola" ID 0530. (Thomas, FL)
- 1415 t DOMINICAN REPUBLIC, Dajabón, HIOS, woman in SS briefly o/the noise 0034 1/13. (Connelly, MA)
- 1415 ? UNID, mystery station here w/pop mx including "Wonderful World" by Paul Simon & James Taylor, looped east of Caribbean, south of Africa. 2355 3/30. Faded into slop before ID was given. (Connelly, MA)
- 1420 COLOMBIA, Cartagena, HJAP, good o/unid SS, probably Venezuela 1/11 0032. (Kramer, IL)

- +0356 6/13 w/"R. Bahía" IDs mixing w/slop & another Colombian. (Baskind, MS)
- 1420 ² COLOMBIA, either HJAP or HJBH here w/live SS mx, then "cadena CARACOL de Colombia" network ID o/all others 0518 10/30. (Connolly, MA)
- 1420 CUBA, Baracoa, CMDX, SS talk by OM. Fair u/WRCG 5/7 0150. (Townshend, DC)
+I assume it was CMDX running Reloj feed 0616 5/28. A bunch of these low powered Cubans seem to run Reloj Nacional at night...maybe someone should compile a list. (Baskind, MS)
- 1420 ^t MEXICO, Ciudad Juárez, Chih., XEF, SS mx & talk noted u/my biggest non-local pest KUJ 5/1 0715. (Harms, WA)
+Finally positively IDed this monster 5/6 0605-0610. Also SS mx & talk. Good fighting it out w/KUJ which was weak at time. (Harms, WA)
- 1420 MEXICO, Iraputo, Gto., XEWE, call letter ID heard while sitting cross-legged before my stereo & playing BCB roulette 1126 3/30. WUNI-1410 slop & interference from KXOW ET. (Baskind, MS)
- 1420 MEXICO, Matamoros, Tams., XEEW, excellent w/call ID & ranchera mx, faded quickly 0926 2/26. (Beverage, CA)
- 1420 VENEZUELA, Maracaibo, YV20. //950 0255 10/28. (Stanbury, ON)
+Logged here again 0247 10/29. This time they also IDed as "La Emisora Más Musical de Maracaibo". A second station on the frequency was probably HJAP, as Cartagena was mentioned a couple of times during commercials. (Stanbury, ON)
+Poor o/unid SS, probably the Colombian, w/SS talk & mention of Maracaibo. No R. Visión IDs were noted 1/7 0156. (Kramer, IL)
- 1420 ² UNID, SS OM talk, this presumably XEWE, but dunno. Dominating channel 0705-0720 1/16. (Harms, UT) (I've heard XEF here many times, at least before KUJ went AN--ed)
+An IS present 0954 6/12; 6 notes repeated over & over on chimes until 1006 fadeout. Who? (Baskind, MS)
- 1430 CUBA, a new relay of R. Sucros CMJP-1190 here. First noted at s/on 0930 6/14 w/Background mx & "Este es C-M-J-P..R. Sucros, la emisora provincial de Ciego de Avila en Cuba, territorio libre en América" by OM. "Música del Libertad" program followed. Very potent at local quality level. Very surprising. (Baskind, MS)
- 1430 MEXICO, Ciudad Obregón, Son., XEOX, 0156 4/9 gave ID w/call, city, & 5 kw power mentioned. (Beverage, CA)
- 1440 DOMINICAN REPUBLIC, San Juan, HIAD, logged 12/25 0453 on w/many "San Juan" IDs, one very complete w/WRTH-conflicting mention of 5000 watts. (Hutton, GA)
- 1442.5 ECUADOR, Quito, HCB21, 0120 SS talk, 0130-0200 classical mx, talk to 0235, 0230-0305 mx, then nx. From 0345-0410 was Ecuadorian mx, talk after each selection w/IDs, 0410 nx, 0420 light mx, chimes 0422, then station went right off. Poor, signal was gradually improving, 10/29. (McClenaghan, ON)
- 1450 SAINT VINCENT, R. Antilles has a 10 kw relay here. (MWN 11/77)
- 1460 CUBA, Mariano, CMCG, strong 0456 4/9 w/"R. Mariano" ID & national anthem. (DDC, MS)
- 1460 MEXICO, Tampico, Tams., XEOLA, here 0002 1/7 w/"R. Ola, la Ola Tropical" singing IDs by YL. Poor-fair overall, but some interference from a Louisiana station at times. (Baskind, MS)
- 1460 MEXICO, Atotonilco el Alto, Jal., XEHE, 0331 10/16 had "R." ID by YL, then shoe store ad & mention of Jalisco, 0334 XEHE ID. (Beverage, CA)
- 1460 ^h NICARAGUA, Jinotega, YNTJ, sounding good on second harmonic 2920 w/romantica & rancheiroish mx 0211 2/14. (Baskind, MS)
- 1465 DOMINICAN REPUBLIC, San Cristóbal, HIAR operates here. (NZDXT)
- 1465 ECUADOR, Esmeraldas, HCDY4, here nightly playing US disco & soul, uses "Star Wars" theme between records. Strongest of the Ecuadorian splits. (Hutton, GA)
- 1465 PERU, Sullana, OAXIV, quite good in peaks 0456-0527 6/13. (NZDXT)
- 1465 ^{a2} UNID, Latin American hearing stronger Monaco-1466 OC 0541 10/26. (Connolly, MA)
- 1465.2 ECUADOR, Latacunga, HCIC6, heard fair-good 0410-0440 10/19. Several clear "Nuevos Horizontes" IDs & a jingle taped. This is no flea-power station; at times fairly clear w/4 kHz bandpass. Detectable nightly w/BFO, audio usually weak. (Hutton, GA)
- 1470 CUBA, Cárdenas, CMGE, SS talk by OM, mention of Socialist Republic of Cuba. Fair-good 5/7 0231. (Townshend, DC)
- 1470 DOMINICAN REPUBLIC, Santiago, HIAG, logged 12/24 0150 w/good taped ID o/jumble of unreadable domestics. (Hutton, GA)
- 1470 MEXICO, Los Mochis, Sin., XECU, heard 2/14 0453-0505 s/off. Calls, frequency, location at s/off, only 250 watts? Local XEBBC in Tijuana off 2/13-2/18 with labor disputes. (Seaver, CA)
+4/3 0857 w/ranchero mx. XEBBC off. (Lobel, CA)

- 1470 ? UNID, 2 SS Latin Americans battling each other, yielding low het, no domestics noted on a channel normally dominated by WLAM. No clear IDs from the Latin Americans 0111 3/29. (Connelly, MA)
- 1480 ? CUBA, unid. I caught the last 5 seconds of the Cuban national anthem here while moving the radio 0402:30 6/9. Carrier went off about 0402:36. An accident. (Baskind, MS)
- 1480 MEXICO, Monterrey, N.L., XETRR, through domestic mash w/romantica fare 0540 5/19. (Baskind, MS)
- 1480 t MEXICO, Poza Rica, Ver., XEPR, 1022 2/27 heard call letter ID followed by "La Música Mexicana" out not sure of ID as it went by pretty fast (and my tape deck is on the blink so couldn't get a relisten), playing typical Mexican mx so no help there, faded in & out for the next little while but never became this strong again thanks to KVAN. WRTH-76 lists s/on for this as 1200. (Oliphant, AB)
- 1490 COLOMBIA, Bogotá, HJBS, heard 12/24 0610-0645, several good clean taped "R. Punto Cinco" IDs. Two DXers have heard this tape--NRCer Dan Philips & an electrical engineer friend; there is no doubt on the ID. (Hutton, GA)
- 1490 CUBA, an unlisted R. Reloj outlet heard 12/24 same time as Colombia. Pips, chimes, & 2 IDs made it weakly. (Hutton, GA)
+The unlisted Reloj reported here by Hutton is still present per 0809 5/28 reception. (Baskind, MS)
- 1490 MEXICO, Ciudad Juárez, Chih., XECJC, "R. Sersacion" ID 0822 10/16. (Beverage, CA)
+ "R. Sersacion" drifted to the top of this frequency about 0500 one evening. (Ayers, MS)
+On top 2/20 0856 w/IDs, disco mx. (Seaver, CA)
- 1490 MEXICO, Querétaro, Qro., XEXE, 0901 5/30 w/heavily echoed "X-E" & lotsa IDs. The "X-E" really threw me; thought I'd only gotten half the call! (Baskind, MS)
- 1490 URUGUAY, Montevideo, CX48, P. Acuario is now here. (WRTH Newsletter, 11/77)
- 1500 MEXICO, México, D.F., XERH, in w/wild Latin dance mx. IDed something like "R-H ...La Tropic de Grande México..." This 10/1 0320 w/fair-good signal. (Baskind, MS)
+Latin mx w/WLAC-1510 slop heard after WTOP s/off, poor signal 10/17 0430. (Townshend, DC)
- 1500 VENEZUELA, Barquisimeto, YVZB, new is R. Politécnico, here since April 1, 1977. Address is: Radio Politécnico, Edificio Fudeco, Barquisimeto, Estado Lara, Venezuela. (SCDX, 8/77)
- 1510 MEXICO, Celaya, Gto., XEOF, noted w/call letter IL, "Escucha X-E-O-F, 1510 kHz, desde... (somotrino)". Usual Mexican format. (Baskind, MS)
- 1515 DOMINICAN REPUBLIC, Santo Domingo, HIBL, is the station here--IDed 0400 3/8 when the frequency drift, distortion, etc. let up enough to ID. (Hutton, GA)
- 1515 a NICARAGUA, León, YNCZ, w/"R. Progreso" ID 1032 5/30. Putting het on WLAC-1510 though only weak signal. (Baskind, MS)
- 1520 COLOMBIA, Barranquilla, HJIQ, 0652-0700 Latin mx, 0700 talk by man, 0703 ID as "R. Minuto", into mx, poor w/WKBW off, 9/12. (Wolfish, ON)
+11/6 0811 w/Latin dance mx, frequent TCs & O: in SS. This station punched through KOMA w/fair signal & occasional mild fading, the signal getting better by 0827 or so. (Baskind, MS)
+12/19 0750 w/typical Colombian type programming, ranchoero mx. (Kramer, IL)
+Fair MM 1/9 0740 w/SS mx, "R. Minuto" IDs. KOHA & WKBW off but one of them had a strong OC on. (Lazar, WI)
+Bombing in on peaks w/loud Latin mx, very good "Minuto" ID by OM, KOMA silent period 0846 1/9. (Everitt, OK)
- 1520 CUBA, Victoria de las Tunas, CMET, w/national anthem & s/off 0456 5/5. Carrier off 0458. (Baskind, MS)
- 1520 t MEXICO, San Luis Río Colorado, Son., XEEH, probably the one here w/XE-- format 1217 1/2, but no ID. (Baskind, MS)
+Clear ID by YL in SS "R. Sonora". Fighting KOMA for dominance on channel. 2/3 0228, there was also a Latin song. (Harms, UT)
- 1520 ? UNID, 12/16 0147 coming in lately on 1520 o/everything, including local-like KACY: KOMA, KYXI faint underneath. Many IDs, one as "R. Clara? Internacional" & "R. Echo". Ad 0153 w/mention of I Avenue in Yuma. Is this XEEH? (Wien, CA) (Probably. XEEH IDs as "R. Sonora Internacional".--ed)
+SS mx here briefly 0943 1/2 w/KYXI/KOMA off. Quickly overpowered by WKBW. (Portzer, WA)
- 1525 ? UNID, "R. ..." ID 0448 10/16. (Beverage, CA)
+1/11 SS OM here 0111 w/slow Latin mx, softly strummed guitar. Unreadable voice. Weak, just a carrier 0118. (I'm beginning to perceive the need for PFM) (Thomas, FL)
- 1526 DOMINICAN REPUBLIC, Neyba, HIFU, here for months, logged at last 12/19 1032. (Hutton, GA)
- 1526 a? UNID, soft mx badly slopped by WKBW--Costa Rica perhaps?--at 0208 3/16. (Connelly, MA)

- 1530 BOLIVIA, Cochabamba, CP116, "R. Cosmos de Bolivia" ID 0440 8/24. (Arctic)
- 1530 BOLIVIA, La Paz, CP137, New is R. Stentor, here with 3 kw. Address, Casilla 1140. Schedule 1100-0400 UTC. (WRTH Newsletter, 11/77)
- 1530 MEXICO, México, D.F., XEUR, blasting in & all alone w/rock steady powerhouse signal, SIO 555, "R. Onda" taped echo ID 1208 ~30. Excellent. (Baskind, MS)
 +Showing through strong KFBC w/SS program & mx 0510. (Allchin, NEW ZEALAND)
- 1535 SAINT VINCENT, Kingstown, R. St. Vincent, is also here but not yet heard in the Caribbean. (SCDX)
- 1540 BAHAMAS, Nassau, ZNS1, 8/29 noted fair w/change in program at 0946 (local time). (Korinek, CA)
 +10/26 0212 was using as background mx & was shocked to hear "R. Bahamas" slow jingle 0235. Bombing in, armchair copy. (Baskind, MS)
 +2330 EE community announcements, ad for "Golden Gate Shopping Center", 2335 wx, heard announcer say "this is the evening report from the Bahamas R. Network", next a program of light mx w/ads, TCS, 0000 interview w/a woman about children. Poor-fair, later KXEL began to interfere, heard ad about an hour later for Scotia Bank, then DJ said there are 11 branches throughout the Bahamas (unusual for a Canadian bank!). 10/28. (McClenaghan, ON)
 +Alone (faint WPTR SAH when ZNS1 nullled) fair strength during heavily auroral cx; IDs & sports promo 2258 10/28. (Connelly, MA)
 +broadcast of the closing ceremonies of the Silver Jubilee Regatta. Fair o/WPTR 4/23 0130. (Townshend, DC)
- 1345 ? UNID, apparent carrier here, no audio perceived, 0515 3/19. (Connelly, MA)
- 1550 COLOMBIA, Barranquilla, HJCB, good on top 0131 1/6 in aurora. Seemed to be some sort of live broadcast. Excited announcer made frequent mentions of "carnival" & "Pepsi Cola" along w/"La Voz Porteña" IDs. Also seemed to give another slogan or perhaps an ID for another station. (Lazar, WI)
 +1/10 2330 fair w/SS nx, had many mentions of Barranquilla. Tentative because most of the mentions were at beginning of nx items, so could have been one of the other Colombians if this was a network newscast. (Kramer, IL)
- 1550 COLOMBIA, Bogotá, HJZI, 0719-0728 4/14 Latin ballads, talk, IDs until 0728 fade-out. Poor-very poor u/WOKJ. (Wolfish, ON)
- 1550 MEXICO, Jalapa, Ver., XEXB 1227 1/2 after sunrise w/ranchero mx poor-fair signal. High interference from Cuban station. (Baskind, MS)
- 1550 MEXICO, Tijuana, B.C., XEBG, 0827 1/22 in fair w/clear ID & "La Chica Musical". KRGO nullled. So this is the mystery station that's bugged me on 1550. It's even heard at night. 4QD seems more remote as the months wear on! (Korinek, CA) (Not after they move to 1548.--ed)
- 1555 CAYMAN ISLANDS, Georgetown, 8/29 noted good carrier here AN. (Korinek, CA)
 +0200 9/8 EE program of light tropical mx, ID 0230, then more mx. (McClenaghan, ON)
 +Best ever 9/23 2348-0101 w/"Your Request" program till 0030, then into ABC talk program. Four chimes & ID 0101. Bad interference from WBSC-1550. (Allinson, NC)
 +A regular throughout the year; noted w/outstanding signal 0105 10/2. (Everitt, OK)
 +0345-0350 light mx, fair, 10/8. (Wolfish, ON)
 +Good w/British football scores 2330 10/9. (Connelly, MA)
 +Dying gasp of a carrier, trace of audio, 1040 10/10. (Peterson, CA)
 +Good w/MoR EE vocal 0022 11/11. (Connelly, MA)
 +Loud w/"Telephone Line" by ELO 0002 11/15. (Connelly, MA)
 +Noted w/EZL mx 0338 10/16. Had religious hymn 0420, man w/devotional message in EE 0423, closing hymn 0427, "R. Cayman" ID after 4-note chime 1S, then s/off w/God Save the Queen 0431. Left carrier on some time after that. (Beverage, CA)
 +Good w/soul song "Funny how time slips away" 0213 10/18. (Connelly, MA)
 +EE interview program, not BBC material; fair level, chimes & ID 0131 10/28. (Ronda, OH)
 +0425 10/29 EE, nice hymn "O Praise Him", talk by preacher, 0430 four chimes, s/off w/2 verses of God Save the Queen 10/29. (McClenaghan, ON)
 +Very strong w/request mx, birthday greetings, etc. Slight het (1554?) 2359-0017 nice ID 10/31. (Dunn, NS)
 +Good w/MoR mx 2216 12/20. (Connelly, MA)
 +w/fast up/down fading, excellent signal on peaks, seemingly religious program in EE //1205, 1120 1/4. (Everitt, OK)
 +Fair w/end of BBC program on the events of 1977, ads, drama program 0100 1/6. (Lazar, WI)
 +1/12 1150 presumed to be the one w/EE religion, poor signal, much interference from 1550 & 1560 along w/rapid fades, made positive ID impossible. (Kramer, IL)
 +Noted at good level w/EE talk about Guyana 0032 1/13. (Connelly, MA)
 +"Bridge Over Troubled Waters", then MoR mx. Nx at 0030. Fair S-3 signal. YL announcer at ID, then nx by man in EE w/West Indian accent. 1/26 0032-0037. (Townshend, DC)
 +Noted 2/6, 2/13, 2/20 before 1000, seemingly w/reduced power. Not noted on 1205. New schedule? (Seaver, CA)
 +Fair w/soul songs o/weak 1554 het 0017 2/16. (Connelly, MA)
 +Loud w/"Jailhouse Rock" w/Elvis 0213 3/15. (Connelly, MA)
 +Good w/Caribbean EE talk o/heavy het from France-1554 0148 3/19. (Connelly, MA)
 +3/31 0421-26 fair, all alone w/EZL instrumentals. (Cartwright, PA)
 +Making it through WQXR-1560 slop; disco hit "Enjoy Yourself" noted 0132 4/2. (Connelly, MA)

- +Fair, Battling 1554 African het; w/"I Did It My Way" pop vocal 0029 4/25.
(Connelly, MA)
- 1555 ECUADOR, El Guabo, HCTR3, 3/20 0320 first time noted since Cayman came on.
(Hutton, GA)
- 1560 CUBA, Cárdenas, CMGB, rctd 9/25 0320 w/"R. Reloj" format & TCs on the minute
IDs several times as "Reloj" until fadeout into slop & XERF-1570 interference
about 0335. XERF-1570 was nulled out & still managed to be a bit of a problem
10 kHz away. And who was talking about giving the US superpower? Reception
poor-fair overall. (Baskind, MS)
+0654-0658. SS nx by OM w/pips on minute, very weak but no interference 10/30.
(Wolfish, OH)
+Noted fair-good w/ticks, pings, & usual Cuban mumbo-jumbo 11/19 0706.
(Baskind, MS)
+Noted weak but clear in null of WQXR killer OC 1/23 0916 while looking for
KVRA-1570. (Cartwright, PA)
+R. Reloj" o/u KCJJ w/fair signal 0843-0906, political talk by OM followed by nx
by OM 0900 3/2. (Gerardi, IL)
+Good w/usual SS nx & time checks atop weak unid cw station; WQXR off, 0609
3/12. (Connelly, MA)
+Usual "SS version of WWV" 0732-0734 4/14. Fair. (Wolfish, ON)
- 1560 MEXICO, Ciudad Juárez, Cnih., XEJPV, "R. Charizal" ID & mention of Juárez 0111
4/9. (Beverage, CA)
- 1560 MEXICO, México, D.F., XEVIP, 0600 CBS nx, 0606 s/off, announced 10 kw & 18 hours
a day on-the-air, WRTH is wrong; poor signal 10/1C. (Wolfish, ON)
+Fair w/US MoR, SS/EE ID 1300 12/12, then CBS nx. (Tomer, CA)
+12/31 0218 w/interference from unid Latin American (possibly the other Mexican),
fair signal & "Newswatch PM" program. (Baskind, MS)
+O/u KCJJ/Cuban w/MoR mx into CBS nx on the hour 0855-0902 2/3, weak signal.
(Gerardi, IL)
- 1560 MEXICO, unid, mixing w/XEVIP 12/12 had typical Mexican mx, Donald Duck voice
between songs; who is this? (Tomer, CA) (I've heard XEJPV here many a time.--ed)
+1/2 1315 SS, something about "música del Norte" then few seconds of Meco's
"Star Wars" Direction would indicate something near the border. (Shugart, CA)
(Probably XEJPV.--ed)
- 1565 UNID, 5/15 weak SS talk & slow LA mx 0630. Panamá s/off reported 0400 so don't
know. (Thomas, FL)
- 1565.4 PANAMA, Colón, ROE35, fair-poor 0407 3/20 w/ID & s/off. Listed as 1570 at 100
watts. (Hutton, GA)
- 1570 GUATEMALA, Guatemala, TGVE, 12/31 0509. Religious program & lots of hymns until
marimba program 0526. Mexican nulled, fair signal. ID 0541 as "R. ---on de
Guatemala". (Baskind, MS)
+Is IDing as "R. Voz Evangelica de América" per promo heard 3/27 0043. Not as
above. (Baskind, MS)
- 1570 MEXICO, Ciudad Acuna, Coah., XERF, w/EE religious program battling CKLM 0214
10/1E. (Connelly, MA)
+SS talk, weak signal 10/24 0426. Could their antenna system be omnidirectional?
Signal not as consistently strong as it was 25-30 years ago when it bombed in
frequently; the signal appeared to be directional, beamed to eastern US (my
parents got on me once for having the radio--an old RCA-Victor 5-tube table
radio--too loud as the station bombed in). I got excellent signal one night in
Rhode Island in 1950; rest of my receptions including the above in DC.
(Townshend, DC)
+Poor u/USSR of screen to HLDA. EE till 0903, then SS w/"Admirar Jesús Cristo
con..." (Kawaguchi, JAPAN)
+Excellent signals. XERF was the first station from the Americas noted at 0425
w/EE gospel program & detailed EE/SS ID 0445. (Allchin, NEW ZEALAND)
+0713-0716 4/14 EE religious program giving address in Louisiana. Poor, CKLM
off. (Wolfish, ON)
- 1570 DOMINICAN REPUBLIC, La Romana, HIAJ, 3/26 0007 w/full ID o/CFOR's rr mx. Quite
happily surprised w/this one as the Mexican is usually dominant, loop or not.
(Baskind, MS)
- 1571 DOMINICAN REPUBLIC, Santo Domingo, HIAJ, badly hetting a/rorally-weakened CKLM
0107 3/29. (Connelly, MA)
- 1572 DOMINICAN REPUBLIC, Santo Domingo, HIAJ, "R. Union, la fabulosa" ID 0238 9/17.
(Arctic)
- 1580 COLOMBIA, Barranquilla, HJQZ, poor 0800 12/30 w/a bad het that's on this frequen-
cy lately. Fairly clear "R. Principe presenta..." ID heard through the mess.
Some interference from KLOU also but no sign of WCLS on this Saturday morning.
(Lazar, WI)
- 1580 MEXICO, Hermosillo, Son., XEDM, 12/29 Latin mx 0650, then s/off 0700 w/may IDs
"XEDM La Grande de Sonora" (The Sonora's Big!). Good w/interference from
intermittent OC. (Beauregard, QU)
+Fair w/unid US station (KDAY?), 0450 classic song in SS, 0458 "a la cinco de la
tarde" repeated many times, means "at 5 o'clock pm", "La Hora de México", songs
& promo 0515 religious program. (Beauregard, QU)
+1/21 0615 suppose this one w/sport in action in SS w/slop from 1570 & 1590,
Fair-good. (Beauregard, QU)

- +Singing & spoken IDs for "La Grande de Sonora". Not bad through American station garbage, faded in & out in 3 minute intervals. Interference from CKTA-1570 1241-1255 2/26. (Burgess, SK)
- + "La Grande de Sonora" ID, mx, & spots, 0039 4/9. (Beverage, CA)
- +0712 4/14 SS version of Peter Frampton mx, poor. (Wolfish, ON)
- 1583 CUBA, 2/17 SS OM & YL here 0015 w/talk. Guess this is R. Cadena Agramonte (per Hutton) but signal very poor & 1580 slop makes direction finding tough. (Thomas, FL)
- +Unid station w/R. Cadena Agramonte IDs nightly, nothing listed in WRTH. (Hutton, GA)
- 1584 ^a CUBA, (presumed per ID by Hutton), typical Castro fare, drama of some type 0010 1/9. No ID noted. Signal varied from buried in the noise to fairly good. Seemed to loop to extreme eastern Cuba, but I don't have too much faith in my direction finding. (Merriman, VA)
- 1585 [?] UNID, a carrier looping Caribbean spotted 9/28 in the hour after 0500. Bits of audio there too faint to tell you much of anything. (Martin, CO)
- 1590 MEXICO, México, D.F., XEVOZ, 11/19 0618. I assume this was the station due to "...en la Ciudad de México" mention during station promo 0657 & the type of mx, but no clear ID. That's life. (Baskind, MS)
- 1597 ^t DOMINICAN REPUBLIC, Santo Domingo, HIEG, believed the one here from 0145 past 0200 2/28. Am 99% certain but they seemed to ID as "R. Fem" instead of Fémina. (Stanbury, ON)
- 1599 URUGUAY, Rocha, CW160, peaking to fair level 0532-0545. Announcement 0535 as "estudios en R. Vaxias Sociedad...R. Portalexa, Uruguay, Montevideo." (NZDXT)
- 1600 ^t MEXICO, Los Mochis, Sin., XEZA, seems to be the only possibility here. A few México mentions & many commercials, US disco/rock format. OM w/"Disco...Disco Centro!" station promo 0722 12/31. Mixing w/WXVI...ideas, pro or con? (Baskind, MS)
- +La Zeta a nightly visitor, on 2/9 caught 0702 s/off w/calls, 1 kw power. (Seaver, CA)
- + "Música Favorita...XEZ..." mention 0428 2/26, "La Grande Z" ID 0430; had light SS rock mx. (Beverage, CA)
- + "La Zeta" mention, full ID, & phone number 0633 4/9, briefly dominating. (Beverage, CA)
- 1613 GUATEMALA, Rabinal, RAB, sending the morse code letters R-A-B (.-. -.-) on & on forever & ever 0826 10/16. (Beverage, CA)
- +Good 0857 2/26 w/call letters in Morse code on & on. (Beverage, CA)
- +3/26 0227, RAB w/ endless didahdit didah didahditdit. By any chance, has anyone got the power on this? (Baskind, MS) (1 kw.--ed)
- 1620 [?] UNID, "STST" beacon here u/local navigation marker on same frequency. Fair signal but interference really cuts down readability. This is listed in one of the Foreign Logs without location. (Baskind, MS)
- 1635 COLOMBIA, Orito, ORI, code identifier repeated over & over again 0859 2/26, fairly loud. (Beverage, CA)
- 1670 CUBA, Cadena Agramonte found here 0402 3/20 & every night since. May be the one formerly drifting around 1583. Good signals at times, imperfect modulation, interference from beacon BGA Bucaramanga, Colombia. (Stanbury, ON)

ARGENTINA. Radio General Madariaga-840, is reported to have increased power to 10 kw. (NZDXT)

Radio Mar del Plata, LU9-670, has had its license cancelled for repeated violations of the National Telecommunications Laws. (NZDXT)

Radio Nuclear, LT-34-1500, Zárate, is cancelled. Two stations, Radio Municipal, Avellanda and Radio Municipal, Cordoba, are on the air. Frequencies and powers are unknown. (DXCB)

LU14, Santa Cruz, is now 25 kw. Slogan of R. Provincia has been changed to R. Rivadavia.

R. Splendid, LT-2-1230, Rosario, is also 25 kw. LS11, Radio Provincia de Buenos Aires will begin 24 hour operations. The Director of the Government's General Broadcasting Directorate stated on 1/23, according to the government news agency, Telam, that the broadcasting law permits the return of commercial stations to private firms. Present plans include the release of 53 stations to commercial interests. The Director also stated that LT12 in Paso de los Libres on 840 now reached 240 km into Brazil with its new equipment and Brazilian firms now advertise on Argentinian stations. (MWN 11/77 and Arctic 2/78)

The government has closed down LU9-1240, R. General San Martín in Bahía Blanca. (SCDX)

LT4, R. Difusora Misiones started on 670 with a new antenna on 2/10. It will let the 25 kw station reach the Northeast of Argentina, Paraguay, Brazil and Uruguay. (Arctic 3/10)

LR15-1030, R. Nacional de San Miguel de Tucumán now uses a new 50 kw transmitter.

LT3-1160, R. Cerealista, broadcasts 1000-0500. LT2-1230, R. Splendid Rosario, broadcasts 1000-0700. LT34-1500, has been heard during January in Argentina. Verie Signers: LT15-560, R. del Litoral, Federico C. Drescmer. LT4-670, R. Difusora Misiones, Blanca Wanyencyia de Barrios. LV13-900, R. Granaderos Puntanos, Oscar Francisco Benitez. LR4-990, R. Splendid, Jorge S. Pezreral. (Arctic 4/7/78)

BARBADOS. Verie signer for 900 khz outlet is Victor Fernandez. (Arctic 3/10/78)

BOLIVIA. Radio Illimani-1020 is on the air 24 hours a day. SW parallels are 6025 and 9555. Radio Stentor, La Paz, is a new station on 1530 khz with 3 kw. It operated 1100-0400. (NZDXT)

Radio Universo, La Paz, has moved from 780 to 660. (DXCB)
According to Swedish DXers who visited Bolivia, all stations in La Paz carry programs in Quecha during the early morning hours, local time. CP11-930, R. Añauta, and CP67-1200, R. Splendid are all-Quecha. CP46-730, R. Universo, was as strong as the 10 kw stations in La Paz, so maybe they have increased power. Was reported to be on 660 some months ago, now apparently back on old frequency. CP145-980, R. Metropolitana, ex 900. Bad transmitter. CP1-1510, R. Chuquisaca, was very strong, maybe increased power. Surprisingly heavy rock format. S/off 0405. (Arctic, 2/78)
Radio Batallón Colorados-1440, La Paz, recently received a new transmitter "donated" by Taiwan. This station should have been operational by mid-February. (Arctic 3/10/78)
R. Los Andes-1250, verie signer is Jaime Rollano Mony, Director General. (Arctic 4/7/78)

BRAZIL. Three new stations are on the air. Radio Noticias Brasileira, Itabira MG-1480, Radio Sepe Tuaraju, Santo Angelo RS-540, and R. TV Campina Grande PB-850. R. Educadora Sampaio, Malmira dos Indios AL-1420, has installed a new station in Maceió AL-870 khz. ZYD47, Radio Solimões Nova Iguaçu RJ-1480, has changed its name to Radio Novo Rio. ZYD463, Radio Eldorado, Rio de Janeiro RJ-1180, is now 24 hours. (DXCB)
ZYS8-1230, R. Difusora do Amazonas, verie signer is José Joaquim Marinho. (Arctic 2/78)
Changes: ZYJ778, Radio Mirador, on 620, ex 540. ZYK276-720, R. Guaíba, now 50 kw.
ZYH583-1200, new call for Ceera Radio Clube. ZYJ462-1400, new call for R. Rio de Janeiro. ZY1772-890, is new call for F. Tamandare, Recife. R. Roquette Pinto now on 640, ex 1400. R. Metropolitana-1090, ex 63C. (MWN, 11/77)
R. Globo-1220, Rio de Janeiro, is testing its new 100 kw transmitter 1800-0330. Stays on the air 24 hours by using its old 50 kw transmitter. R. Mundial, Rio de Janeiro, will start test transmissions 2/15 on 860 khz with 100 kw. Plans to increase to 200 kw by next year. (SCDX)

R. Reláqio Federal-580, has the address Avenida Presidente Vargas 417-A, 18^o andar, 20.000 Rio de Janeiro. (Arctic, 2/78)

ZYJ465 is new call of R. Relógio Federale, Rio de Janeiro. ZYJ459 is new call of Radio Mundial, Rio de Janeiro. ZYJ464 is new call of R. Tamoió-90C. (MWN, 3/78)
ZYX20-1340, R. Difusora Aquidauana, signer is Jack Smith. ZYJ322-540, R. Sepe Tiaraju, ex R. Santo Angelo, has address: Rua Antunes Ribas 1600 -10^o andar, Santo Angelo, RS.
ZYK537-560, R. Capital, ex R. Novo Mundo. ZYK672-570, R. Difusora de Taubaté, ex ZYE58.
ZYK534-590, R. Atlântica, ex ZYE343. ZYK643-590, R. Ribeirão Preto, ex ZYE318. ZYK275-600, R. Parouphilha, ex ZYH266. ZYK521-620, R. Panamericana, ex PRH7. ZYK547, Radio A. Morada do Sol, ex ZYEB1. ZYK518-660, R. Tribuna, ex ZYE52. ZYK634-660, R. Cl. de Ribeirão Preto, ex ZYE50. ZYK278-680, R. Gaúcha, ex ZYH67. ZYJ229-690, R. Difusora Londrina, ex ZYE372. ZYK686-700, R. Eldorado, ex ZYE47. ZYH746-740, R. Soc. do Bahia, ex ZY40. ZYJ751-740, R. Diário da Manhã, ex ZYH95. ZYK655-750, R. Universal, ex 680 and ZYE431. ZYK695-780, R. Excelsior, ex ZYR56. ZYL246-780, R. Educ. de Uberlândia, ex ZYF224. ZYJ457-800, R. Ministério da Educação, ex ZYD2. ZYK687-840, R. Bandirantes, ex ZYE239. ZYL275-880, R. Inconfidência, ex PRK9. ZYK690-890, R. Gazeta, ex PRA6. ZYJ453-940, R. Jornal do Brazil, ex ZYD66. ZYK692, R. Difusora de São Paulo, ex ZYE241.
ZYJ260-970, R. Alvorada de Londrina, ex ZYE54. ZYJ470-980, R. Nacional de Rio de Janeiro, ex ZYD70. ZYH707-980, P. Nacional de Brasília, ex ZYF262. ZYK522-1000, R. Record, ex PRB9. ZYK606, 1030, Line R. Clube, ex ZYE68. ZYK693-1040, R. Tupi, ex PRG2. ZYK609-1090, R. Clube de Marília, ex ZYE92. ZYK694-1100, R. Globo Nacional, ex PRG9, R. Nacional ZYK656-1140, R. Cacique de São Caetano do Sul, ex ZYE62. ZYH449-1140, R. Cult de Bahia, ex ZYC47. ZY1202-1160, R. Espírito Santo, ex PR19. ZYK579-1170, R. Educ. de Campinas, ex ZYE268. ZYK520-1200, R. Cultura, ex ZYE419. ZYJ213-1210, R. Universo, ex ZY29.
ZYK458-1220, R. Globo, ex ZYD65. ZYW21-1230, R. Anhanguera, signer is Ademar R. dos Santos. ZYK653-1240, R. Clube de Santos, ex ZYE344. ZYK688-1260, R. Mukher, ex ZYE245.
ZYH753-1270, R. Brasil Central, ex ZYK99. ZYJ455-1280, R. Tupi, ex ZYD74. ZYH450-1290, R. Clube de Salvador, ex ZYC58. ZYK689-1300, R. Jornal de São Paulo, ex ZYR217. ZYA52-1340, P. Educ. de São José, signer is Padre Jorge Basile. ZYJ464-1360, R. Guanabara, ex ZYD42. ZYK684-1370, R. Clube Hertz, back on the air, lost license several years ago.
ZYK546-1370, R. Cult. de Araraquara, ex ZYE87. ZYK661-1370, R. Piratininga, ex ZYE328.
ZYK642-1380, R. Renascença, ex ZYE206. ZYK691-1410, F. América, ex PRE7. ZYK674-1420, R. Cult de Taubaté, ex ZYE210. ZYJ200-1430, R. Clube Paranaense, ex ZYE350. ZYK591-1450, R. Boa Nova, ex ZYR207. ZYK650-1490, R. Clube de Santo André, ex ZYR73. ZYK654-1510, R. Cacique de São Caetano do Sul, Santos, ex ZYE90. ZYK535-1530, R. Diário do Grande ABC, ex ZYE225, R. Jornal. ZYK622-1560, R. C. lube de Curinhos, ex ZYE19. ZYK651-1570, Radio Emisora ABC, ex ZYE42. (Arctic, 3/10-4/7/78)
There are reports that all non-government SW will leave the air in the near future, to be relocated in MW or tropical SW bands. Some, if not all, of the vacated channels will then be used for government stations. (NZDXT, 4/78)

CHILE. Following are new: F. Diego de Almeyda, Pueblo Hundido, CA820-820, 600 watts; R. Almirante Latorre, Talcahuano, CC84-840; R. Regional, Constitución, CC93-930; Radio Experimental, Los Lagos, CD120-1200; R. La Voz de la Costa, Osorno, CD143-1430; Radio Teniente Merino, Lebu, CD158-1580. (WRTH NL, 11/77)
All stations in the Agricultura, Minería, Cooperativa and Portales networks operate independently, with no programs relayed from mother stations. All stations in Chile give very detailed information on address, owner, etc., at sign off. License of 9 Cadena Radial Cooperativa were withdrawn on 1/31/78. The Cooperativa network has been reduced to the stations on 760 in Santiago, 730 in Valparaíso, and 640 in Temuco. Clocks in Chile were put back one hour at 2100 on 3/11 (making local time GMT-4). CB66-660, R. Chilena, does not close down at 0500, but switches over to a 1 kw transmitter until 1000. CB125-1250, Nueva Radio Chena, Casilla 386, San Bernardo, is a new station with 1 kw power. CC126-1260, R. Bio-Bio, uses the slogan "La Radio". CC140-1400, R. Dona Inés de Suárez, is now on 24 hours. (Arctic 3/10-4/7/78)

COLOMBIA. New are R. Pontificia Bolivariana, Medellín, HJDI-1100, 9 kw', and R. Sensación Medellín, HJPK-1430, 1 kw. (WRTH NL, 11/77)

Other new stations are R. Peninsula, Puerto Assis-1170, and R. Punto Cinco, 1490, 5 kw in Bogotá. Radio Suramericana-1160, most likely is the new name of HJPF. (NZDXT)
Radio Guatapurí, HJEL-740, is now 50 kw. (DXCB)
HJN-710, R. Super, has been destroyed by fire, according to some reports. Since the station is still being heard in the U.S., the damage couldn't have been to severe. HJIJ-1200, R. Colibrí, is on 1200-0700. HJMS-1320, R. Regia, now is in the Todelar network.
HJEI-1410, R. Guadalajara, uses 5 kw according to a verie letter. Address is Carrera 14 Numero 5079, Buga. (Arctic)
According to rumors in Medellín, Radio Cadena Nacional, RCN, will take over the Cadena Super in the near future. (Arctic 2/78)
HJDK-750, La Voz de Anquiocua, Tecnico: Pompilio Arbodella Giraldo. HJZG-780, Radio Sonorama, ex La Voz del Pais. This station is now in the Todelar network. HJDM-830, R. Visión, v/signer María Elena Vasquez U. Tecnicos: Antonio Serna and Lozana Cossio. HJLA-870, La Voz del Tolima, now belongs to RCN, ex Todelar. Director; Luis Eduardo Rubio.
HJOP-1010, R. Sutatenza de Barranquilla, v/signer José Ortiz Parra, Director. HJDO-1020, Emisora Claridad, is in Todelar network since 10/77. HJAU-1160, Ondas del Ortegua, v/signer Fred Emiro Nuñez, Director. HJNW-1170, La Voz de la Heroica, v/signer Marcos Perez Quintero, Gerente. HJEC-1290, R. Libertador, Director: Alvaro Bejarano. HJFY-1370, Radio Avenida, is in Todelar network. Director/Gerente Antonio Forero. HJIM-1470, La Voz de la Música, ex R. Mundial, ex R. Ya, Director; Paul Lopez Bastidas (Arctic, 2/78)
HJAW-1091, La Voz de Montería, nominally 1080 now on 1091, ex 1085. (MWN, 3/78)
HJIJ-1200, R. Colibrí, hours 1200-0700. HJMS-1320, R. Regia, now Todelar. HJEI-1410, power is 5 kw per station. HJDN-1530, R. Cine, ex Colibrí network. (see below) Rumor is that RCN will take over the SUPER network after the Presidential elections later this year (NZDXT, 4/78)
HJ...-980, R. Punto, started 12/1/77. Belongs to RCN. Owner is Luis Eduardo Mantilla Sanmiguel. HJLB-1170, Meridiano 70, v/signer Manuel Buenaventura D., Director. HJTO-1311 R. Tasajero, belongs to Cadena Lider de Colombia, ex Punch. HJDN-1530, R. Cine, ex Sistema Colibrá, now belongs to Radiosistema Federal, Edificio Seguros La Libertad. Piso 12, Carrera Palacé, c/Maracaibo, Medellín. Radio Popular-1440 belongs to the same company
HJCZ-690, La Voz de Colombia, uses 30 kw according to station identifications. HJGE-880, R. Bucaramangam now veries with a QSL card. HJAU-1160, Ondas del Ortegua, v/signer Elisabeth Santos D., Jefe de Relaciones Públicas. HJBL-1160, R. Aeropuerto, v/signer Reyna Esper Fayad. HJLB-1170, Emisora Meridiano 70, v/signer Emperatriz Rodriguez G., Directora. HJBD-1370, R. Guaimaral, belongs to Cadena Super. HJKU-1430, Emisora Kennedy, v/signer José Vincente Echeverri, S.J., Director. HJTF-1484, Ondas del Darién, v/signer Manuel Cardona Agudelo, Director. HJBS-1490, R. Punto Cinco, v/signer Nestor G. Padilla Prieto, Gerente. Address: Diagonal 45 Numero 16-63, Bogotá. HJLJ-1500, R. Tigre, verie signer José A. Rodriguez P., Director. (Arctic)

COSTA RICA. R. Monumental, Ciudad Quesada, is on 1462 according to a verification letter, although still listed on 1440 on the station's letterhead and in WRTH '77. R. Columbia listed on 1460; on 1440 is R. San Carlos in Ciudad Quesada. All very confusing! Station also says that all R. Monumental stations carry "Noticias Monumental" at 0345 every night. (MWN, 11/77)
TILX-725, R. Columbia, now 25 kw. TIN-775, R. Uno, San José, new Program Director Rolando Alfaro Ch., TIAC-1025, R. Fides, San José, new executive Director, Carlos Peña. TIFC-107: Faro del Caribe, San José, new Program Director Manuel Víquez. (Arctic, 2/78)
TIBAS-650, R. Monumental, San José, v/signer Lilia de Berrocal. TILX-725, R. Columbia, San José, Reports in EE to Chief Engineer Arnoldo Alfaro Ch. TIFC-1075, Faro del Caribe. San José, v/signer Juan Jacinto Ochoa F., Administration. TICA-1160, R. Columbia, El Roble, Puntarenas. TILG-1460, R. Columbia, San Carlos, ex 1500. TILG-1500, Ciudad Quesada, ex 1460. (Arctic)

CUBA. CMJN-785, is drifting to 790. CMCA is now on 860, ex 820. (NZDXT)

DOMINICAN REPUBLIC. HIBM-540, Radio ABC, Santo Domingo, ex HICM. HI...-1140, R. Anacaona, San Juan, new. HBS-1200, R. Dial, San Pedro de Macorís, ex Radio 23. HIMH-1310, R. Real La Vega, ex HIHM. HIFA-1370, La Voz de las Fuerzas Armadas, Elias Pina, not heard yet, CF here. HI...-1440, R. Jimani, Jimani, new here. HIAH-1480, R. 14-80, Santo Domingo, new here. HJSD-1500, R. TV Dominicana, has a new relay here, location unknown. (Arctic 2/78)
HI...-1440, R. Cayacoa, Higuey, not LF. (NZDXT)
R. Clarín-860, has plans to convert the 4850 khz transmitter to a MW outlet. (NZDXT 4/78)
HIL-790, La Voz del Trópico, Santo Domingo, Gerente, Vinivio Portalatin. Plans to increase power to 50 kw. HIBE-1180, R. Mil, Santo Domingo, v/signer Julio Castillo Jimenez or Rosario S. Cavallo. HIRM-1412, R. Sol, Higuey, heard here in the US. HIAC-1455, R. Util, Salcedo, ex 1450. HIEG-1597, R. Femina, Santo Domingo, heard here. (Arctic 3/10-4/7/78)

ECUADOR. HCMJ1-615, Emisora Gran Colombia, now uses 50 kw. HCEW2-995, R. Suceso, verie signer Eduardo Carrión Puertas, Director. (Arctic, 2/78)
HCGB1-1310, R. Nacional Espejo, Quito, is again active on this frequency. HCP56-1345, R. Paz y Bien, v/signer Enrique Pesanto G. (Arctic 4/7/78)

EL SALVADOR. New stations are R. Senorial, El Salvador, on 540 khz, with 10 kw. R. La Rancherita, Santa Ana, 980 khz, with 1 kw. Estacion H, Santa Ana, 1000 khz, 1 kw. Radio Oriente, San Miguel, 1080 khz, 5 kw. R. Moderna, Santa Ana, 1130 khz, 1 kw. (WRTH NL, 11/77)

YSKL-770, R. Cadena YSKL, R. Universal, San Salvador. Address: Apartado (06) 1329, San Salvador. Director, René Alfonso Lacayo. On 1130-070 0. News from SERCANO (El Servicio Centroamericano de Noticias) Reuter Latina and DPA. YSAR-870, R. 10, El Punto Alegre de Cuadrante, San Salvador. Address: Edificio Curtis, 53 Avenida Sur 123, San Salvador. YSOJ-910, Radiópolis, Edificio San Carlos, 6° piso, Calle Poniente 3088, San Salvador. YSTA-990, R. Exquisita, Colonia Alfara, Ciudad Universitaria, San Salvador, on till 0600. YSYM-1160, R. Libertad, Edificio Magaña 31, Calle Arce y 13a Avenida Sur, San Salvador, ex 1390. YSVE-1180, Radiodifusora VEA, La Voz Evangélica de América, km 15 1/2 Carretera Panamericana, San Martín. YSNB-1220, R. Sensación, ex R. Recuerdos, San Salvador. (Arctic)

GUATEMALA. TGMX-1210, R. Rumbos, Guatemala, v/signer Luis Rafael Paz. (Arctic)

HAITI. New are R. Nationale, Port-au-Prince, on 1080, and La Voix de Peuple, Port-au-Prince, on 1475, with 1.5 kw. (WRTH NL, 11/77)

HONDURAS. HR.-550, R. Honduras, Tegucigalpa, run by the military junta, //880. HR.-550 R. Libertad, San Pedro Sula. HR.-590, R. América, San Pedro Sula, ex R. Satélite. HR.-640, R. Eco, La Popular, San Pedro Sula, repeater of 740. HRTV-720, Estéreo Rey, San Pedro Sula, ex R. Television. HRJS-740, R. Eco, La Popular, San Pedro Sula, ex Radio Metropolitana. HRXW-740, R. Comayaguela, Tegucigalpa. HRWN-780, Emisoras Unidas, San Pedro Sula. HR.-800, R. Estérec Centro, San Pedro Sula. HR.-830, R. Estéreo Sula, San Pedro Sula. HRBS-850, R. Centro, Tegucigalpa, ex 850 khz. HR.-920, R. Fabulosa, San Pedro Sula. HRCZ-950, R. Exitos, La Exitosa, San Pedro Sula, ex Cadena de Oro. HR.-975, R. Monumental, San Pedro Sula. HRCL-1000, Unións Radio, Tegucigalpa. HRBT-1050, R. Latina San Pedro Sula, ex R. Norte. HR.-1060, R. Hemisferic, Tegucigalpa. HRWC-1085, Radio Aeropuerto, Tegucigalpa, 1 kw, 24 hours a day. Studios at entrance to Tontontin International Airport, near Tegucigalpa. No live announcers, only cartridge tapes. Cuban owned. HRRO-1140, R. Universal, Tegucigalpa, ex 1130. HRGF-1163, R. Paraiso, Paraiso. HR.-1220, R. El Mundo, San Pedro Sula, repeats 134C. HRXX-1290, R. Lima, La Lima, ex 1300. HRLH-1300, R. Cultura, Tegucigalpa, ex 1290. FR.-1330, Cadena Músical, Tegucigalpa. HR.-1345, R. Constelación, Juticalpa. HRTR-1365, R. Danlí, Ciudad Danlí, ex 1360. HRVC-1380, La Voz Evangelica, Tegucigalpa, is still here. HR.-1470, R. Moderna, San Pedro Sula. (Arctic, 2/78)

A formal request had been made by the Secretariat of Information, Culture and Tourism to R. Netherlands for assistance in the field of radio broadcasting. HRBS-850, R. San Pedro, San Pedro Sula, new gerente: Orlando Ventura. (Arctic, 3/10-4/77/78)

MONTSERRAT. R. Antilles-900, is on the air in EE 0900-0200, and in SS 0200-0500. French is broadcast on 740 and 1450. (MWN, 12/77)

NETHERLANDS ANTILLES. Continental Electronics of Dallas, Texas, has been awarded a one-million dollar contract for construction of new Trans World Radio transmitters to be located on Curaçao. The contract calls for two, 250 and 1, 50 kw transmitter. (SCDX 8/77) RID2-1300, v/signer is Vance James, Jr. (Arctic, 3/10/78)

NICARAGUA. New stations are: R. ABC, Managua, 640 khz (10kw), R. Noticias, Managua, 840 khz (5 kw), R. Centro, León, 1110 khz (2 kw), R. Ondas del Chontalón, Juticalpa, 1210 khz (3 kw), and R. Ondas Ecovianas, Estelí, 1250 khz (3 kw). (WRTH NL, 11/77)
YNAB-560, R. Monumental, Matagalpa, ex 580. YNW-930, R. Mundial, Managua, ex 920. YNLI-1030, R. Masaya, Masay, ex 1050. YNKW-1C60, R. Futura, Managua, ex R. Cristal. YNQ-1100, R. Lider, Managua. YNH-1155, R. Cosiguira, Managua, ex 1160. (Arctic 2/78)
YNAM-660, Mi Preferida, closed by government for making fun of President Somoza. YNW-920, El Mundial, closed down for reporting execution of two national guardsmen by residents of Masaya. Returned to air 2/9. Closed down for non-payment of power bill. YNOW-540, Radio Corporación, address: Apartado 2442, Ciudad Jardin Q-25, Managua. YNX-750, Estación Equis, "No Hay Exitos sin Equis", Presidente: A. Somoza S., Gerente: Rafael O. Cano. 24 hours a day. YNRT-900, R. Tiempo, Managua, Apartado 2735, Ciudad Jardin S-24, Managua. YNLL-1050, R. Masaya, Calle Direga, Masaya. YNABC-1260, R. Guéguere, Apartado 1929, Ciudad Jardin N-23, Managua. Director: Salvador Cardena A. YNDM-1340, Ondas Sonoras, 11 Calle no. 1112, Managua, operates till 0420. YNJR-1370, R. Fronteras, Calle del Comercio, Somoto. YNPT-1500, R. Minuto, has same address as 540 khz. YNAV-860, Radio Continental, Managua, closed down. YNSC-700, R. El Fabulosa Siete, Managua, closed down. (Arctic, 3/10-4/77/78)

PANAMA. Radio Cristal, David, has been operating on 750 khz, ex 1320, since October 1977. RADIO La Exitosa, Chitré, has been noted testing on 740 khz since November 1977. (NZDXT)
HOL80-840, R. Libertad, Panamá, "La Voz de la Revolución" Gerente: Danilo Caballero.
HOL55-860, R. Reforma, Chitré, uses slogan "R. Reforma... se oye!" Manager: Pedro Solis Villalaz. (Arctic 2/78)
800, R. La Exitosa, testing here, ex 740. (NZDXT, 4/78)
HON31-550, R. Aeropuerto, Vía España y 1 de Octubre, Panamá. HOHM-610, Circuito RPC, Edificio Chesterfield, Avenida 11 y Calle 28, 10-37, Panamá. HOS22-650, R. Mía, Avenida 64, 28-48, Panamá. HOLY-670, R. Hogar, Vía Porras, 82 San Francisco, Panamá. HOKO-760, La Voz del Istmo, Avenida de los Martires y Rochet, Panamá. HOJ80-840, R. Libertad, Sistema Estatal Radiodifusión, Avenida Balboa, Edificio Contraloría, 7° piso, Panamá. Director: Danilo Caballero. HGH0-870, R. Músical, Edificio Rochester, 4° piso, Ofic. 405, V. España, Panamá 4. HOMA-900, La Voz del Pueblo, Avenida 11a, 78, Panamá 1. HOK-940, R. TV2, Vía Sistémica, Panamá. HOC23-1080, R. Tiz Tac, Vía España, Panamá. HO.-1100, R. Mil, Avenida de los Martires 21A-42, Panamá. HOB49-1140, R. Juvenil, Avenida Justo Arosemena y Vía España, Panamá. HOES1-1210, R. Diez, Vía España y Vía Porras, Panamá. HO.-1250, R. BB, Calle 45 y Calle Colombia 44, Panamá. HOJ22-1270, R. Femenina, Calle 45, Panamá. HOS21-1290, R. Guadalupe, Avenida 6, 28-48, Panamá. HOJ60-1380, Radio-difusora La Voz de Panamá, Vía España y Frederico Boyd, 6-40, Panamá. HOL-1390, Radio Atlántico, Calle 10 Sta. Isabel y Roosevelt, Edificio Gambize, Colón. HORS-1410, Radio Super, Vía Brasil, Panamá. HOHPM21-1060, R. Titania, Panamá, ex Musical 76. Relays news from Onda Popular during the day. 1197, Onda Tropical, Apartado 1591, Chitré, now on 1310 V/signer is Manuel Elias Navarro, Gerente. HOL-1390, R. Atlántico, Colón, v/signer is Mauro Garcia Suarez. (Arctic, 3/10/78)

PARAGUAY. R. Primero de Marzo-780, will go to 100 kw before the end of 1977. (MWN, 9/77) R. Nacional, Asuncion-920, has plans for a 100 kw transmitter soon. (MWN, 11/77) R. Primero de Marzo-780, is reported to be 24 hours since June. (NZDXT)
ZP33, Radio 3 de Febrero, Itá, has a power of 0.5 kw. R. Nanawa, ZP25, listed on 1400, has moved to 1400 with additional power. ZP10, R. Paraguai, Asuncion, on 1305 khz, is 24 hours a day. ZP3, R. Asuncion, transmits on 1430, although licensed to 1250 khz. (DXCB) ZP26-665, R. Itá Piró, ex 660, heard in Argentina. (Arctic)

PERU. The head of the National Information Service has announced that a national broadcasting network, covering the entire country, will begin operation on July 27, 1977. The 35 stations will be linked to a microwave system. (NZDXT)
OCX45-1100, R. Imperial, uses 1 kw with a longwire antenna because of a 1973 earthquake. OBX6D-1260, R. Mundial, is ex 1540. OAX6R-1440, R. El Tiempo, closes down at 0500.

OAX6Q-1490, R. Superuana, is inactive. OCX4V-1510, R. Fessa, has been closed by the government for using 5 kw, though licensed for only 1 kw. OBX70-1580, R. El Truinfo, transmits irregularly. (Arctic, 2/78)
OAX8M-770, La Voz de la Selva, v/signer Eduardo Arévalo Da Silva, Sub-Gerente. (Arctic, 4/7/78)

PUERTO RICO. WKAQ-580, San Juan, has new slogan R. Relej, VP and GM is Reinaldo Royo, Jr. WOSO-1030, San Juan, uses "R. Mil Treinta" and "El Oso." Not AN-7 as yet since they do not have their complete power connection. Operates 18 hours a day with a generator. Format: EZL-MOR with CBS news. WFAB-1460, Juncos, new ID as "La Fabulosa". (Arctic 2/78)
WKAQ-580, San Juan, is now all news, 24 hours a day. WOSO-1030, San Juan, began 12/15/77 in EE and SS, IDs as "R. Oso". (MWN, 3/78)
WQBS-630, San Juan, new 5 kw AN-7, ex 1 kw. //760 and 910. WHOA-870, San Juan, new format as of 1/1/78 from disco rock to adult contemporary MoR. (Arctic, 4/7/78)

SAINT LUCIA. R. St. Lucia's new station on 1090 khz is a 1 kw repeater serving the southern part of the island. (Arctic, 4/7/78)

SURINAM. PZX-914, RANI, transmits with 3 kw, on 1030-1900 and 2030-0200 in Hindi, Dutch, and Japanese. V/signer is Shewpersad Walther Bridjkisoor. (Arctic, 4/7/78)

TRINIDAD AND TOBAGO. V/signer for 730, Trinidad Broadcasting Co., Port of Spain, is Mc. Donnell, Chief Engineer. (Arctic, 2/78)
National Broadcasting Service (NBS) on 610 with 10 kw has schedule of 0930-0400. A government program is at 0000, news summary at 0100 and 0200-BBC. Then at 0210 NBS news followed by religious programs and news before 0400 s/off. Radio Trinidad-730, with 20 kw is on 0925-0401. Also has government programming at 0000. BBC news at 0200 and summary before s/off. Address: NBS, P.O. Box 610, Port of Spain, Trinidad, and Radio Trinidad, Broadcasting House, 11b Maravel Road, Port of Spain, Trinidad. (MWN, 3/78)

URUGUAY. CX10-730, Montevideo, s/off 0600, now R. Continente, ex R. Ariel. R. Sur, CX32-1170, Montevideo, is now R. El Mundo. (MWN, 9/77)
Radio Riviera, OX144-1445, signs off at 0400. (NZDXT)
CX10-730, R. Continente, ex R. Ariel, operates 0955-0600 on 730 // 6075. Power on 730 is 10 kw. R. Rural, 610 khz, has a new OTH: Colonia 2212, Montevideo. Director is Juan José Gari. Power listed as 5 kw has been raised to 50 kw, and frequency is supposedly 610, according to latest Uruguayan lists. CX34-1210, R. Artigas, operates 1205-0230. CX32-1170, R. Sur, has changed its name to R. El Mundo. Operates from 0915-0300 on 1170 and 6000 khz. CX42-1370, R. Vanguardia, is off the air. New stations are CW121, R. Young, on 1210, CW147-1470, R. Taquari, in Melo, and CW156-1560, R. Charrau, in Paysandu. (DXCB) Local time is GMT-3 after 5/3/78. (Arctic, 3/23/78)

VENEZUELA. YVNO, R. Caroni, Puerto Ordaz, operates on 1050 khz, with 10 kw. A verie letter and a pennant has been received from the station. (SCDX, 10/77)
YVKS-750, R. Caracas, v/signer is Manuel Benjo Osorio. YVKK-770, R. Nacional, v/signer is Charles Nash. (Arctic, 2/78)
YVOE-720, R. Visión Oriente, heard with a strong signal in Puerto Rico. Therefore, it is believed to use 100 kw as planned. Station has 3 towers to south. YVRR-960, R. Monagas, v/signer is Nellys S. de Veliz. YVON-1040, R. 1040, v/signer is Angel Márques M., Administrador. YVIC-1520, R. Bonita, heard here on 2/20, ex 1315.6. (Arctic, 4/7/78)

THIS IS THE SOUTHERN COMMAND NETWORK
by Michael S. Hardester

Located between Colombia and Costa Rica is the Central American nation of Panamá. As many know, Panamá has been in the news in recent months owing to the Panama Canal treaties. While these treaties were being finalized, I was looking through the current World Radio TV Handbook when I came across mention of two (2) United States Department of Defence radio stations located in the Canal Zone area. In doing research, MSG Robert J. Foster, Jr., USA, who is the Director of the Southern Command Network was able to provide information relating to the stations.

In 1963, the Caribbean Command (Caribbean Forces Network - CFN) became the United States Southern Command. Following in February of 1964, the unified command assumed operational command of the network from the Army element and has since been operated under the direction of the Public Affairs Officer of the U.S. Southern Command.

All studio facilities are located at Fort Clayton with differing transmitter sites. On the Pacific side of the Canal Zone, ACA20 operates on 790 khz with 10 kw of power from Fort Clayton. The FM-stereo outlet on 91.5 Mhz and TV Channel 8 (5 kw) emanate from Quarry Heights. On the Atlantic side, all transmission originate from Fort Davis. ABC20 on 1420 khz has a power of 1 kw. The FM-stereo operates on 98.3 Mhz and TV Channel 8 has a power of 5 kw.

The staff of the Southern Command Network averages around thirty in size with staff coming from the Army, Air Force and Navy. In addition to the AM, FM and TV outlets on each side of the Canal Zone, a weekly newspaper is also published. Should anyone be fortunate enough to log any of the Southern Command Network's transmissions, their address is: The Southern Command Network, Radio-TV, P.O. Drawer 919, APO New York, NY 09827.

Atlantic Loggings

- 1-4 FRANCE, Allouis, poor w/static, FF & mx 0240-0255, 9/7. (Curtis, VT)
 +0530, 11/7, poor FF talk, very poor 0600. (Poda, OH)
 +0700, 11/21, very poor, traces of voice faded in & out every 5 seconds. Low
 het heard. Much thunderstorm static & loud buzz. (Poda, OH)
 +0645-0700, 1/2, poor-fair w/man talking. Singing at 0650. Man & woman talking
 0655. Woman singing w/bass fiddle or guitar 0655-0700. Slow mx. At 0700
 time pips & man talking, partly covered by tuzz-static. (Poda, OH)
- 209 MOROCCO, Azilal, very loud w/AA mx, better than any MW TA's 0157, 7/24.
 (Connelly, MA)
 +0530, 11/7, poor, but poor-fair by 0545. Gone when tuned back 0555, just
 w/robocons. At first, AA chanting by chorus of men, then one man wailing.
 (Poda, OH)
 +0010-0130, 12/23, quite good, about the best I've heard them this season w/AA
 mx, usual growling type w/woman singing in the background. (Curtis, VT)
 +0107, 2/7, in better than USLEL w/AA mx & talk. (Curtis, VT)
- 277 CZECHOSLOVAKIA, Topolna, A new 1500 kw transmitter is due on the air on
 June 1, 1978, 24 hours a day. (HWR)
- 286 FINLAND, Joensuu has been taken out of service recently. (HWR 12/77)
- 329 ALGERIA, Ain Beida to good peaks w/AA chanting, violins, 0108, 7/24.
 (Connelly, MA)
 +Fair 0013, 9/14 in AA; much poorer than 546 at the time. Freq measured
 529.0424. (Nelson, MA)
 +Fair w/AA talk w/long pauses (like a play), drums sometimes in background,
 2253, 10/8. (Connelly, MA)
 • Most likely the one hitting Costa Rica on the little TRF 10/11 about 0230-
 0640, a time of xInt reception of several low-band Europeans. (Martin, CO)
 +Good //548 w/female AA vocal 0429, 10/26. (Connelly, MA)
 +Good carrier, poor audio on AA pgn 2257, 11/19. Good w/female vocal 0020,
 11/11. Also good 0602 w/AA talk. (Connelly, MA)
 +At strong carrier level w/weak audio; male AA chanting 2229, 11/25.
 (Connelly, MA)
 +Plaintive AA w/ing 0315-1324, 12/17, fadey w/good peaks. (Feltman, PA)
 • Fair sig w/low modulation AA talk by man over fast SAH; heard during brief
 monitoring period 0450, 1/3. (Lveritt, OK)
 +Man in AA 2311, 1/21. (Connelly, MA)
 +Poor w/man & woman in AA 2212, 3/16. AA guitar mx //548 good, 0007, 3/17.
 (Connelly, MA)
- 546 ALGERIA, Gran-les Trembles, xInt in AA 0013, 9/14; alone on measured
 548.0190. (Nelson, MA)
 +Very strong w/AA mx 0330, 9/18. (Eckman, PA)
 +Strong carrier, weak audio--AA chanting in CFNB slop 0043, 9/18. Weak w/AA
 talk 0430, 9/18. (Connelly, MA)
 +Good w/AA chanting w/piccilo or flute instrumentation 2347, 10/4.
 (Connelly, MA)
 +Very good, sometimes better than CFNB-550; female AA vocal w/violins 2323,
 10/9. (Connelly, MA)
 +Good w/female AA vocal w/drum & violin accompaniment 2241, 10/10. Superloud,
 zapping 550, mx in AA, 2305, 10/14. (Connelly, MA)
 +At good level, audio weak, apparent phone-in talk show 2247, 10/17. At
 "best" level w/acappella male AA wailing 0322, 10/19. (Connelly, MA)
 +Poor-fair during aurora, AA talk 2316, 10/26. In w/good carrier, weak mod-
 ulation, AA mx heard; second audio in background 2222, 11/3. One of the best
 TA's during a primarily short-skip condition, AA mx 0035, 11/5. Good 2340,
 11/5. (Connelly, MA)
 +Fair in slop w/bass viol plucking and moaning AA vocal 0111, 11/9. Fair to
 good w/AA talk //529 2257, 11/10. AA talk over fast SAH 0603, 11/11.
 (Connelly, MA)
 +Good-xInt w/AA chanting & flutes //529 2230, 11/25. (Connelly, MA)
 +Fair, battling high local noise level, possible AA talk here 2342, 11/30.
 (Connelly, MA)
 +Noted w/male AA moaning 2321, 12/23. (Connelly, MA)
 +Good w/soft AA mx 2228, 12/30. AA chanting noted at low audio level on big
 carrier 2121, 1/2. (Connelly, MA)
 +Very loud w/AA vocals & violin mx 2239, 1/20. Fair w/AA talk //529 2311,
 1/21. Good w/AA male vocal 2237, 1/25. (Connelly, MA)
 +Loud w/AA talk, possibly a radio drama 0213, 3/16. Like a local w/AA-style
 guitar or loud plucking 0006, 3/17. Pestering CFNB-550 at times.
 (Connelly, MA)
 +Fair-good w/man in AA 0142, 3/19. (Connelly, MA)
 +Loud w/AA female vocals and string mx 0314, 4/17. (Connelly, MA)
- 557 t PORTUGAL, Faro Guarda, suspected here weak w/slow mx 2248, 10/17.
 (Connelly, MA)

- 566 t **IRELAND**, Athlone, male talking, quite def EE, very shallow, soft modulation 2120, 11/10. (Dunn, NS)
- 566 ? **UNID**, Ireland possible w/fair open carrier, fades at regular intervals 0011, 3/17. (Connelly, MA)
- 575 **ALGERIA**, Bechar, AA, sounded like interview, strong as usual 2028, 10/27. (Dunn, NS)
 +Snake charmer mx w/group singing. Fair 2004, usual CJFX-580 sloop. (Dunn, NS)
 +212, 1/27 male AA ranting and raving w/fair signal. (Dunn, NS)
- 575 **UGANDA**, Mityana, jazz pgm, good 1915, 8/25. (NZDXT)
- 575 t **WEST GERMANY**, Mhlacker, SDR, presumed the one here 11/13 tune-in w/light mx & then what I think was an interview pgm; either that or a series of short talks. Mixing w/Omega by 0055. (Stanbury, ON)
- 584 **SPAIN**, Madrid, RTVE, good on peaks w/SS male vocal 0047, 9/18. Segovia-type guitar mx in well 0432, 9/18. (Connelly, MA)
 +Male SS (nx?) poor w/CJFX splatter 2037, 10/27. (Dunn, NS)
 +2215, 1/27 Huntley/Brinkley nx format, very strong, no interference. (Dunn, NS)
 +1/620/638 w/light folk opera 2217, 2/10. All 3 clear and strong except 620 which suffered only slight WLBZ interference. (Dunn, NS)
 +Surprisingly good a couple nights in late March. Noted w/easily readable sigs 0410, 3/22 & again 0240, 3/23--despite semi-local CKEY on 590. (Stanbury, ON)
- 584 • ? **UNID**, during EU openings 10/8 & 10/11. I was able to hear my 1st carrier ever found on this TA freq. Spain most probably trying to arrive 0151, 10/8 & 0405, 10/11. (Martin, CO)
- 593 **JORDAN**, Amman, now using 1200 kw. (NRC)
- 593 **MOROCCO**, is in FF again instead of AA. (MWN 11/77)
- 610 **BAHRAIN**, It was reported that this station will increase power, supposedly before the end of 1977. (NZDXT)
- 611 **MOROCCO**, Sebaa-Aioun, seemingly back on 611 ex-612, interference from others on 611 a possible cause. Apparent AA chanting & heavy het chewing up WGR/WIP/CHNC mess 0200, 12/14. Good w/female chanting 2244, 12/22. (Connelly, MA)
 +In w/man in AA, fair audio on potent carrier 2319, 12/23. To fair peaks w/chanting 0626, 12/24. (Connelly, MA)
 +Noted w/chanting 2230, 12/30. Xlnt w/fast AA talk 2124, 1/2. (Connelly, MA)
 +Ultraloud w/AA talk by man, killing 610 domestics 2312, 1/21. Xlnt w/female AA vocal 2239, 1/25. (Connelly, MA)
 +Very good w/AA violin mx 2345, 2/7. Fair w/AA mx 2320, 2/9. (Connelly, MA)
 +Fair w/AA mx 0227, 3/16. Loud w/up-tempo male AA vocal & violins 0013, 3/17. (Connelly, MA)
 +Loud w/AA group vocals & male solo vocal 0140, 3/19. (Connelly, MA)
 +Fair w/male AA chanting 0012, 3/31. (Connelly, MA)
 (Also see 612--ed.)
- 612 **MOROCCO**, Sebaa-Aioun, is here ex-611, noted w/AA chant 2210, 8/28. GG on 611 is raising absolutely wretched het here. Bad het noted again w/GC-611/AA-612 2320, 8/31. (Connelly, Ireland)
 +Loud w/AA chanting 0509, 10/2. Strongest TA, in w/female AA vocal 2348, 10/4. (Connelly, MA)
 +Fair w/AA rx 2241, 10/10. Loud w/AA talk w/reverb 2307, 10/14. (Connelly, MA)
 +Strong AA rambling (a regular) 2025, 10/27. (Dunn, NS)
 +Good w/slow AA chanting similar to Greek mx 2221, 11/3. Fair w/talk 0036, 11/5. Ultraloud, like a local, one of the all-time best TA's; fast AA mx reducing WGR to a background het w/rx in 8 kHz bandpass 2338, 11/5. (Connelly, MA)
 +Strong, solid & no interference. It even gives semi-local CKCL-600 the odd audio spike! Male AA (nx?). A low-end beacon for me 2006, 11/9. (Dunn, NS)
 +Good w/AA vocals 0104, 11/9. Good w/AA flute mx 2259, 11/10. Xlnt w/acapella female vocal, then talk by man 0016; AA vocal mx very good 0606, 11/11. (Connelly, MA)
 +Xlnt w/cl style guitar mx 2232, 11/25. Loud w/AA talk by woman interspersed w/old-time U.S. inst pop mx, then talk by man followed by AA mx 0000-0006, 11/26. Outrageously strong w/AA walling 0121, 11/26. (Connelly, MA)
 +Good w/AA chants by woman 2336, 11/28. Male AA moaning fair over WIP, WOIR nulled 2346, 11/30. (Connelly, MA)
 (Also see 611--ed.)
- 620 **CANARY ISLANDS**, Tenerife, //584 under FFC stn 2036, 10/27. (Dunn, NS)
- 638 **SPAIN**, La Coruña, RTVE, fine in SS 2310, 9/12 on measured 638.001. (Nelson, MA)
 +To fair peaks w/SS talk 2244, 10/10. (Connelly, MA)
 +Poor in interference w/SS talk 0103, 11/9. Poor in sloop 2301, 11/10. (Connelly, MA)
 +Weak w/fast SS talk 2233, 11/25. (Connelly, MA)
 +Nice sig w/man speaking SS 0514, 12/24; //683/737/854. This was the loudest of the four. (Feltman, PA)
 +Fair-good w/man & woman in SS 0624, 12/24. (Connelly, MA)
 +Fair w/SS dramatic production (talk by man & woman) 2125, 1/2. (Connelly, MA)

- +Poor w/apparent SS operatic male vocal 2240, 1/25. (Connelly, MA)
 t +Poor sig w/fragmentary mx 0035, 3/19. (Connelly, MA)
- 647 GREAT BRITAIN, Daventry, BBC, potent w/tire pips or similar before s/on 0332, 9/18; presumed s/on 0345. (Eckman, PA)
 +Poor-fair w/woman in EE 2302, 11/10. Apparent nx rpt in WSM slop 0608, 11/11. (Connelly, MA)
 t +Nil-fair carrier looping TA 0440, 11/9. Any audio was lost in KFI slop. Same again 0530, 11/12.
 +Radio 3 cl opera solid & clear of crud 2127, 11/11. (Dunn, MS)
 +To fair peaks w/operatic male vocal--possibly rlg's Xmas mx 2317, 12/23. EE discussion, then British Isles wx, good 0656, 12/26. (Connelly, MA)
 +Strong w/man 0420, 12/26. Also noted 2203, 12/23 w/nx. (Eckman, PA)
 +Good level w/EE talk by man in 650 slop 0715, 1/2. (Everitt, OK)
 +Xlnt 0345-0445+, 1/2 w/BIG Ben chimes, BBC WS ID 0445. (Eckman, PA)
 +IS & chimes, TC, into nx, clear, fair strength 0300, 2/9. (Dunn, MS)
- 648 GAMBIA, Bonto, poor-fair w/man in heavily accented EE 2320-2327, 9/12 on 648.0028. (Nelson, MA)
 +Poor w/mx 2308, 10/14. (Connelly, MA)
- 656 ? UNID, very weak carrier here 1451, 11/20. I thought Verkhojansk but it seemed to null about 15° E of W. Could Murmansk be possible over the pole? believe it would be after sunset there at this time. (Hall-Patch, BC)
 (Murmansk was heard in BC about 10 years ago--ed.)
- 65 656 t USSR, Murmansk, was quite gratified to see that Mick Hall-Patch has also found a definite Trans-Arctic carrier here. I heard the same carrier on 5 consecutive mornings 11/19-23, 1970 and even noted the het w/H. Korea-655 w/the loop at zero degrees. As I see it, Mick's reception just ahead of Victoria SR is the clincher that this is Murmansk. About 6 or 7 years ago, I had speculated in DXW that Murmansk in mid-winter ought to be listened for in the right up to the time of LSE inasmuch as it spends so many weeks in the polar night at 69° N. So it was gratifying to see Mick confirm that this is indeed possible. On 11/20 the sun is 18.75° S, which means that at Murmansk noon that day, they would have seen the sun 11° above their southern horizon. And by 1451 it would have been 4:51 pm in Murmansk, long after their sundown. And so far as radio reception is concerned, at 69° N there is virtually no such thing as daylight in mid-winter, anyway. Also of great interest is the fact bearing of the stn in Victoria & Denver. Mick estimated it at 15° while my various estimates ranged from 15° to 25° a year earlier. All 3 figures add up to a Trans-Arctic path and point to something far north of the usual w. European sigs. (Martin, CO)
- 656 ANCHALISTAN, Kabul has been heard signing off at 1830. This is one hour later than indicated in WRTU. (WZDT)
- 661 PORTUGAL, Lisboa, fair 2033, 9/12 on 664.990; 2nd carrier on 664.9959 unid. (Eckman, MA)
 +Fair-good over SAH, PP talk by man, WRKO buckshot nulled 0100, 9/18. (Connelly, MA)
 +Found here 0200, 10/5 1st European of the season as usual, but about 5 weeks later than last year. Found again 0140, 10/5 when audio was better, noted a 3rd time 0606, 10/10. Sig very strong 0350, 10/11 w/WOR inst mx. Taped nx in female voice 0400. Left the freq briefly & on return found carrier strong & steady, but stn appeared not to be emitting any audio. This went on until 0440 when audio began again. During this 20-minute SP, carrier experienced little fading & most of the time seemed to be same strength as WNEC next door. Cx deteriorated after 0600 & by 0700, the sig was very weak. (Martin, CO)
 +Good sig, low modulation, PP talk in slop 0255, 10/8; much improved at 0310 re-tune. (Everitt, OK)
 +Fair w/PP talk 0102, 11/9. (Connelly, MA)
 +Rfx(?), mention of foreign locations, etc. 39 w/WNEC-660 slop 2009, 11/9. (Dunn, MS)
 +In w/big carrier, shallow modulation on mx 0622, 12/24. (Connelly, MA)
 +Woman talking 0639, 12/20 followed by opera-style singing. (Feltman, PA)
 +Poor w/soft mx in WNEC & WRKO slop 2128, 1/2. (Connelly, MA)
 +Very good w/low modulation PP talk by woman, into soft ballad type mx 0637, 1/2. (Everitt, OK)
 +Noted w/PP teletalk show; WRKO nulled 0544, 1/28. (Connelly, MA)
 +Fair w/PP talk by man over possible cl mx stn (probably the German) 0014, 3/17. (Connelly, MA)
- 665 UNID, carrier here looping NW 0442, 11/9. Too weak to get any closer bearing but prob Portugal. (Hall-Patch, BC)
- 685 SPAIN, Sevilla, RTVE, SS talk strong, WRKO nulled 0102, 9/18. (Connelly, MA)
 +Strong w/man in SS 0305, 9/18. Slow SAH noted also. (Eckman, PA)
 +Was creating a het against KHDR 0406, 10/11, yet its audio was far down in the noise. First heard this season on 10/8 at 0142. (Martin, CO)
 +Found strong het & mx 0150, 11/11. Sig fair-poor, SE talk 0158, march mx, 0200 5 short pips followed by 1 long, then "Radio Television España," this is my 1st positively IDed TA! (Morby, NY)
 +Fair w/SS mx 0503, 12/1. (Connelly, MA)
 +Suspected here 0959, 11/28 w/soft piano mx, then several pips on hour (the last one longer and louder), followed by man in SS. Too weak for ID. (Feltman, PA)
 +Strong w/mx 0028, 12/26. Alone on the channel at the time. The Yugoslav has rarely shown up here this season. (Eckman, PA)

- +Good w/low modulation SS mx 0233, 1/2; good w/talk over SAH jumble 0633, 1/2, noted w/xint sig & no SAH at 0645 re-tune. (Everitt, OK)
 - +Often noted evenings 12/31-1/3. Best 0058, 1/2 w/woman in SS. Distinctive slow SAH also noted (Beograd or German?). (Eckman, PA)

- 701 • ANDORRA, La Vieja, R. Andorra, presumed cause of bad het 1 kHz high on WLW, no audio thru sloop 0628, 1/2. (Everitt, OK)
(Could also be the Moroccan--ed.)

- 701 ITALY, Milan, now 30 kw. (NZDXT)

- 701 MOROCCO, Sebba-Aioun, fair in AA 2337, 9/14/827; measured 701.0259. (Nelson, MA)
 - +Potent w/AA moaning, atop other stns 2351, 10/4. (Connelly, MA)
 - +Good w/AA mx 2253, 10/17. Good in AA 2333, 10/18. (Connelly, MA)
 - +Rambling AA wailing strong 2038, 10/27. (Dunn, NS)
 - +Definitely here w/no carriers discernable on 702; female AA chanting potent, blasting WLW into oblivion (WLW carrier 20 dB weaker than 701) at 2237, 11/25. (Connelly, MA)
 - +Good w/male group chanting 2231, 12/30. Loud w/AA chanting right on 701.0; weak carrier spotted on 701.5 yielding a weak het 2132, 1/2. (Connelly, MA)
 - +Potent carrier, possible group chanting thru WLW sloop 0001, 1/26. (Connelly, MA)

- 701 ? UNID, carrier definitely on 701 (not 702) 0611, 11/11. (Connelly, MA)

- 719 PORTUGAL, Norte, poor-fair w/pop-rock vocals 2353, 10/4. (Connelly, MA)
 - +Good on car rx w/man in PP 2216, 10/9. (Connelly, MA)
 - +Loud, like a local w/old-style collegiate men's choir 2246, 10/10. Good w/man in PP 2255, 10/11. (Connelly, MA)
 - +Obliterating 720 w/mx 2246, 10/14. 782 & 683 also in well at this time. (Eckman, PA)
 - +Xint on car rx w/man in PP 2138, 10/26. Good w/man in PP 2215, 11/3. Weak during mediocre cx w/some WGN sloop 0037, 11/5. (Connelly, MA)
 - +Dominant sig, shades of 1586! Male/female commentary on current affairs 2040, 10/27. (Dunn, NS)
 - +Loud w/PP folk song resembling C&W mx 2306, 11/10. Good w/operatic style PP vocal 0612, 11/11. (Connelly, MA)
 - +Very strong, mx pgn, shades of 1586 on the low end of the dial! 2011, 11/9. (Dunn, NS)
 - +Good w/PP talk 2251, 11/17. PP talk by man & woman, then mediaeval mx, atop a rough SAH believed to be from the Tunisian 2238, 11/25. (Connelly, MA)
 - +Fair w/PP folk group vocal 2348, 11/30. Fair w/PP mx, talk 0510, 12/1. (Connelly, MA)
 - +Good w/man in PP over WGN sloop 0616, 12/24. (Connelly, MA)
 - +Xint w/talk 2133, 12/23. Overpowering stns on 720. (Eckman, PA)
 - +Good w/man in PP 2232, 12/30. Good w/folk guitar & PP vocals 2133, 1/2. Nothing on 720 at the time. (Connelly, MA)
 - +Very good w/PP mx & soft-spoken male ancr //665 at 2205-22.0, 1/3. Dominating WGN briefly. (Feltman, PA)
 - +Loud w/PP talk atop Tunisia 2314, 1/21. Good w/nx in PP 0001, 1/26. (Connelly, MA)
 - +Very loud w/PP talk by several men, seemingly a panel discussion 2234, 1/27. (Connelly, MA)
 - +2219, 1/27 very strong, a low end "beacon"; male w/nx. (Dunn, NS)
 - +Poor-fair w/male vocal 2347, 2/7. Xint w/man in PP, then violin mx--best TA at the time 2316, 2/9. Fair w/woman in PP 2319, 2/10. (Connelly, MA)
 - +Just over the noise w/man & woman in PP 2306, 3/8. (Connelly, MA)
 - +To good peaks w/PP phone-in show, Tunisia behind w/occasional AA moaning 0009, 3/11. Man in rapid-fire PP very good 0017, 3/17. (Connelly, MA)

- 719 TUNISIA/PORTUGAL, Sfax/Norte, even mixture 2330-2335, 9/14; Sfax on 719.0317, Norte on 719.9970. (Nelson, MA)

- 719 UNID jamming, RTTY/bird chirp noise badly grinding into Portugal 2340, 8/29. (Connelly, Ireland)

- 728 SPAIN, various, RTVE, fair w/operatic male vocal //737, 2317, 1/21. (Connelly, MA)

- 728 ? UNID, bits of rock songs, SS or PP sounding talk, seemingly not //737, over SAH 2250, 10/10. (Connelly, MA)

- 737 SPAIN, Barcelona, RTVE, Unusually good 0100, 9/8. (Nelson, MA)
 - +Good (in 2 kHz bandpass) w/SS talk 0107, 9/18. (Connelly, MA)
 - +Potent 0340, 9/18 w/mx, alone on the channel. (Eckman, PA)
 - +Fair w/SS talk at low modulation level thru CBNW/CBL sloop 2326, 10/9. (Connelly, MA)
 - +Fair w/Muzak 0059, 11/9. Good w/SS talk 2308, 11/10. (Connelly, MA)
 - +Fair w/SS talk over mains interference & slight CBNM/YVNC sloop, CBL nulled 2240, 11/25. (Connelly, MA)
 - +Fair w/male SS vocal version of 1966 ecology song "Tar & Cement," then SS talk by man 0055, 12/20. Poor w/SS talk in CBL sloop 2248, 12/22. (Connelly, MA)
 - +Fair-good w/man in SS, CBL nulled 2312, 12/23. (Connelly, MA)
 - +Strong w/mx definitely //683 0029, 12/26. Alone on channel. The Israeli (or anything else for that matter) has not shown up here yet this season. (Eckman, PA)
 - +Fair-good w/SS talk 2236, 12/30. Poor w/man in SS 2134, 1/2. (Connelly, MA)

- +In slop, vocal mx, 1/728 2317, 1/21. Fair w/SS talk 0002, 1/26. (Connelly, MA)
 - +To good peak w/rhythmic mx 0154, 2/23. (Connelly, MA)
 - +Poor w/SS talk 2243, 3/8. (Connelly, MA)
 - +Amazingly loud w/soft guitar mx & SS vocal 0208, 3/15. Loud w/punk-rock records 0018, 3/17. (Connelly, MA)
 - +Fair w/men in SS 0445, 3/25. The band seemed to open at the time, but I didn't have time to check it out. (Connelly, MA)
- 717 ● **SPAIN**, slight het against 740 stns noted 0610, 10/11 looping European. Would have to be Spain but no audio could be made out. (Martin, CO)
- 740 ● **HOLLAND**, Lopik, fair carrier but w/usual poor audio 0556-0604, 10/11. Male & female voices alternating after 0600, but nothing readable. Know it was Holland & not Africa for the sig came from NE. (Martin, CO)
- 741 ● **UPPER VOLTA**, Ouapadougou, fair in vernacular 2357, 9/8 on measured 745.9986. Second TA quite good at times 2350-0010 that same night on measured 746.0000 w/Slavic-sounding operatic mx & man arcer probably Lopik but language didn't sound BD. Freq suggests Lopik but language and sked suggest perhaps Saravejo; direction OK for either. Only noted this one night. Special pgm? Anyone else note this one? (Nelson, MA)
- +Fair w/African folk mx 2308, 10/9. (Connelly, MA)
- +Fair w/FF talk over a 1.8MHz SAH; African mx good 2310, 10/14. (Connelly, MA)
- +Good w/African mx over SAH 2355, 10/17. Fair-good w/female African vocal, talk, then 20's style mx 2336, 10/18. (Connelly, MA)
- +Fair w/repetitious inst mx 2310, 11/3. (Connelly, MA)
- +Hauling it out w/Holland w/1.8 Hz SAH resulting; Upper Volta aton w/chanting 2308, 11/10. (Connelly, MA)
- +Poor w/FF-sounding talk 2241, 11/25. (Connelly, MA)
- +Fair w/men in FF 2235, 11/26. Drum mx fair 2349, 11/30. (Connelly, MA)
- +Fair w/native drumming & wailing, then rapid-fire talk 0537, 12/23. (Connelly, MA)
- +Poor-fair w/men in FF over heavy, SAH 2311, 12/23. (Connelly, MA)
- +Abused w/U. African mx 2342, 1/3. Fair-good slr. (Eckman, PA)
- +Fair w/female chanting, drum beating & AA style violins 2318, 1/21. March mx at 0600, then carrier cut 0503, 1/26. (Connelly, MA)
- +Fair w/African tribal mx & drumming 2309, 2/9. (Connelly, MA)

755 ● **PORTUGAL**, Lisbon, loud (S9+) w/cl mx, modulation level low, but sig so strong that the low audio was not a problem--noted 2355, 10/4. (Connelly, MA)
- Good w/light cl mx 2251, 10/10. Loud & jarring VHF w/cl mx 2227, 10/11. Strong w/modern cl piano mx 2312, 10/14. (Connelly, MA)
- +In w/cl mx at powerful level 2309, 10/6. (Connelly, MA)
- Only a carrier here 1950, 10/11 but must have been Lisbon. Even a carrier is encouraging for it has been at least 4 years since I last had good reception from this stn. Used to hear it even before sundown in Denver on Nov-Dec nights. (Martin, CO)
- +Picking a potent sig on the TRF w/cl mx at 2306, 10/20. (Connelly, MA)
- +Segovia-type mx, 50 sig, 2013, 11/9. (Dunn, MS)
- +Fair w/musical audio; talk, prob PP 0058, 11/9. Opera at potent level, totally free of slop 2310, 11/10. (Connelly, MA)
- +Good w/piano mx 2236, 11/28. (Connelly, MA)
- +Xlnt w/men w/cl mx 2202, 11/25. 719, 782 both xlnt at the time. (Eckman, PA)
- +Ultraloud w/cl mx 2249, 12/22. (Connelly, MA)
- +Strong w/cl violin mx at low audio level 2243, 12/30. Good w/soft string mx 2136, 1/2. (Connelly, MA)
- +Strong w/light mx 2247, 12/31. SAH also noted. Easily rips thru TVI when in well. (Eckman, PA)
- +Very good w/cl mx about level w/TVI 2330, 1/3. No ID or nx at 0000, just continued w/cl mx. (Eckman, PA)
- +Strong w/soft cl piano mx 2319, 1/21. Xlnt local-like sig at 0004, 1/25, modern cl/jazz piano mx, occ EE talk by live concert ancr on stage w/orchestra (Connelly, MA)
- +Xlnt (loud) w/opera (female vocal) 2324, 1/27. (Connelly, MA)
- +Fair w/cl mx 2256, 2/8. Talk & mx poor-fair over TV interference 2227, 2/10. (Connelly, MA)
- +Potent w/massive carrier allowing flawless copy of its piano mx at low audio level 0020, 3/17. (Connelly, MA)
- +3/22 cl mx ensemble 0006, later 0025 woman singing opera, deep fade. (Curtis, VT)

764 ● **SENEGAL**, Dakar, good w/soft African inst mx 0025, 8/7. (Connelly, MA)
- +Strong but badly slopped by WABC 2324, 9/17 w/native-type chants. (Felman, PA)
- +Probably the faint carrier detected w/BFO 0556, 10/5, looping same direction as WJR. (Portzer, WA)
- +Blasting in, "armchair copy" on TRF w/AA vocals interspersed w/talk, possibly explaining verses of the songs 2304, 9/27. Fair w/AA talk 2325, 10/5. (Connelly, MA)
- +Strong carrier w/bits of audio, male voice 0604, 10/6; quickly faded, down to almost nothing by 0608. Again w/good carrier & unrendable male talk 0601, 10/11. (Portzer, WA)
- +First heard this season 0610, 10/6. Usually bows in on some Aug night. Could not be heard 10/11 after 0600, a night when many European TA's were in & the same night when Africa-746 was also missing. Checking up, I looked at Conakry-1403 0618, 10/11 & found it extremely weak, unable to generate any het against 1403 stns. I am reminded again of the possible correlation put into words a few years ago: when Europe is good, Africa is weak. (Martin, CO)

- +Fair w/non-African vocal 2231, 10/8. Good w/talk in unfamiliar lang, poss Swahili or AA dialect 2311, 10/9. (Connely, MA)
- +Loud w/non-AA acapella screaming 2252, 10/10. Vocal nix resembling an SS LA balling 2244, 10/11. Absolutely whopping sig w/AA talk 2313, 10/14. (Connely, MA)
- +0000-0027, 10/14 good w/woman in FF for about 2 mins then male vocal in peculiar slow native song, lots of UmuLlan's long drawn out, something like robot speech. It went on uninterrupted for over 25 mins. I couldn't believe it! Some fading. (Curtis, VA)
- +May have been the carrier here (air 0614, 10/27. Too much WJR slop to pull any audio thru. Looped WA. UV propagation rpt at 0618 showed A index of 5, K index of 3, solar activity low and geo field quiet; the A & K indices indicate geomag activity had been higher the last 3 hrs than in the last 24 hrs, which seemingly contradicts the qualitative info they gave. Comments, anyone? (Portzer, MA)
- +Good w/AAC speech w/man in AA 2246, 10/17. Loud w/weird mx, AA talk, stringed mx & vocals 2343, 10/18. Ultraloud (equally WABC!), AA preacher said a sentence, others repeated it 2308, 10/20. Loudest TA noted 10/21, 2240 w/AA talk. Loud & clear w/man in FF over WCAS slop 2152, 10/22. (Connely, MA)
- +Xlnt w/fast AA talk 2248, 10/28. Fair w/festive mx 2255, 10/28. Good w/FF talk 2245, 10/31. Good w/AA style inst mx 2217, 11/3. (Connely, MA)
- +Best strength ever 0618, 11/10 w/bits of male chanting audible at times. (Portzer, MA)
- +Loud on car rx in Belmont; AA talk, AA mx, then FF talk 2150, 11/7. Xlnt w/talk and kalimba mx in background 2150, 11/8. Like a local w/AA chanting & talk interspersed 2311, 11/10. Bombing in w/acapella solo male AA chant 0615, 11/11. (Connely, MA)
- +FF, lots of shouting 2345, first by male, then by crowd; 2346 talk in AA, 2351 AA mx, 0000 male talk (nx?) then fade-out so I don't know if there was a WA or not, gone by 0005. Poor-fair w/WJR slop, 10/14. (McClenaghan, ON)
- +Vernacular rambling 2140, 11/11, super sig like seasons ago. (Dunn, NS)
- +Weak carrier here 0601, 11/9 but no audio. Same again 0600, 11/12. (Hall-Patch, BC)
- +Good w/female African vocal w/unusual repetitive instrumentation akin to AA mx 2335, 11/15. Like a local on car rx; FF talk then exotic mx 2210 & solid copy, consistently stronger than WABC & WJR, right thru to 2250 when AA mx noted 11/17. Xlnt w/acapella male AA chanting 2243, 11/25. (Connely, MA)
- +Loud, by far the best TA; man in AA 2352, 11/30. To good peaks w/AA talk 2110, 12/3. Good w/native African mx 0044, 12/4. Good w/FF talk & steel drum band mx 2020, 12/4. (Connely, MA)
- +2302 w/FF speech by man, into what seemed like commentary to 2310 fade. Poor & low modulation, but definitely //4890, 12/7. (McNeil, DC)
- +Fair w/AA talk thru WABC slop 2307, 12/23. Loud w/SS talk 0657, 12/26. (Connely, MA)
- +Presumed the one w/strong sig 0606, 12/26 w/man in unid language. (Eckman, PA)
- +Carrier only 0602, 1/2 on measured 764.070. Het still there after 0730. (Beverage, WA)
- +Loud on car rx w/FF talk 2135, 12/30. AA sing-song talk strong 2244, 12/30. Good w/AA violin mx 2037, 1/1. AA yelling good 2105, 1/2. (Connely, MA)
- +Noted causing het on WJR on car rx north of Enid 0200, 1/2; bombing in w/AA chants at home w/xlnt sig 0615, 1/2. Many carriers thru low end of band w/Dakar best sig of the evening. (Everitt, OK)
- +Like a local w/African mx 2320, 1/21. Good thru WABC slop w/Pharaoh Sanders' style jazz-like African native mx 0005, 1/26. (Connely, MA)
- +Good w/editorial in FF 2231, 2/3. Like a local on TRF: man in FF slopping onto WABC(1) 2223, 2/4. (Connely, MA)
- +Like a local w/AA talk & banjo mx 2349, 2/7. AA sentences read by one man & repeated by another 2303, 2/9. Good w/AA talk 2328, 2/10. Fair level 2238 building up to loud-xlnt sig 2325, 2/15. (Connely, MA)
- +Fair w/AA-style violin 2222, 2/22. (Connely, MA)
- (Also see 764.8--ed.)

764.8

SENEGAL, Dakar, has seemingly drifted high: equal pitch hets from WJR & WABC noted on TRF; fair-good strength carrier modulated very weakly w/AA-style moaning 2348, 3/8. MWN (2/78) mentioned 765 as a new freq for Dakar. (Connely, MA)

+Fair-good w/sing-song AA talk, acapella male chanting 0005, 3/11. Poor w/chant 0022, 3/17. (Connely, MA)

+Very loud w/African blues-rock (guitar) & male vocal 0030, 3/19. (Connely, MA)

(Also see 764--ed.)

773

LIBYA, Tripoli, R. Nordsee, Mebo II is at port in Tripoli per woman just back from Libya. Still booming on 6206v to 2300 s/off in 9/77 w/US & Euro pops, EE DJ's. (McNeil, DC) (Arctic R. Club says they are operating here w/40 kw & 1232 w/10 kw, substituting for 2 stns at Tripoli & Bengazi while they are off for modifications to increase power & prepare for freq changes in '78. Unfortunately, WRTM lists 4 stns in Tripoli & 3 in Bengazi, none of them 773 or 1232, so it's anyone's guess which one(s) they mean--ed.)

773

SPAIN, Caceres, et al., RTVE, fair w/man in SS 0435, 9/18. (Connely, MA)

+Good w/SS talk by man atop a 2nd stn w/female vocal (perhaps the new Moroccan?) (Perhaps the Mebo II?--ed.), 2.5 Hz SAH 2255, 10/10. Good, alone, w/c1 mx; WABC garbage nulled 2248, 10/11. (Connely, MA)

+Ultraloud, killing WABC; fast SS talk 2140, 10/26. (Connely, MA)

+7/620/584 poor w/WABC audio spikes 2042, 10/27. (Dunn, NS)

- +Good w/light jazz 0056, 11/9. Demolishing WABC on car rx; SS talk 2140, 11/10. Man in AA fair thru WABC splash 0616, 11/11. Het on WABC noted an hr before LSS on car rx in Rockport, MA 2030, 11/11. (Connelly, MA)
- +Loud w/man in SS over heavy 2.4 Hz SAH & 2nd audio which sounded like AA pgm 2044, 11/25. Stn under Spain hard to hear because of WABC sloop; several possibilities here. (Connelly, MA)
- +Over heavy SAH w/talk, some WABC splash 2238, 11/28. The AA stn tentatively noted on 773 was under Spain--Egypt, a possible new Moroccan, & the ship off Libya are all possibilities. (Connelly, MA)
- +Poor-fair w/time pips, then SS talk in severe WABC sloop 0500, 12/23. (Connelly, MA)
- +Good w/fast-paced SS talk in 770 sloop 0610, 1/2; better sig & less sloop 0645 re-tune. (Everitt, OK)
- +Noted w/woman in SS during pauses in WABC sloop 2137, 1/2. (Connelly, MA)
- +Good w/male choral mx similar to chanting in Roman Catholic High Mass 0625, 1/29. (Connelly, MA)
- +Noted w/SS talk interspersed w/mood mx 2308, 2/9. (Connelly, MA)
- +Good w/man in SS 0023, 3/17. (Connelly, MA)

782

EAST GERMANY, Burg, is unbelievably loud & dominant, always atop Portugal. Typical reception: GG talk way over PP 2233, 9/10. (Connelly, Ireland)

782

- t PORTUGAL, Hiramara, mx here at weak level 2357, 10/4. Hiramara has become irregular here; sked or pwr change? (Connelly, MA)
- +Noted w/slow male vocal, then man & woman in PP 2257, 10/10. (Connelly, MA)
- +Soft female vocal, folk style, 2257, 10/17. Good w/rock mx w/EE lyrics 2344, 10/18. Pop mx weak, then man in PP, sig below normal 2227, 10/22. (Connelly, MA)
- +Blasting in on car rx; PP talk, then Steve Miller record 2137, 10/26. (Connelly, MA)
- +Good w/PP style slow operatic male vocal 0114, 11/9. Good w/PP talk 2315, 11/10. Up-tempo PP HoR group vocals, good-xlnt 0617, 11/11. (Connelly, MA)
- +Good w/pop mx 2252, 11/17. Loud w/"Hotel California" by Eagles 2245, 11/25. (Connelly, MA)
- +Fair w/light cl mx (a la Boston Pops) 0056, 12/20. Fair-good w/man in PP, then ballad mx 2251, 12/22. (Connelly, MA)
- +Poor w/mx in sloop 0015, 12/24. (Connelly, MA)
- +Seemingly signing on 0559, 12/26 w/open carrier, time pips & interval signal that they play on the hour. Scrone. (Eckman, PA)
- +Good w/Ruzak 2138, 1/2. (Connelly, MA)
- +Xlnt sig easily thru sloop, FF talk by woman or high-voiced man, possibly mx, into nondescript inst rock mx, 1/2. (Everitt, OK)
- +Fair-good w/female folk-style vocal & guitar accompaniment 2256, 1/27. (Connelly, MA)
- +221, 1/27 female w/rps mx. (Dunn, US)
- +In w/mx at low audio level on good carrier 2350, 2/7. Good 2304, 2/9; man in PP, brief interlude of piano mx, then man & woman in PP. PP talk, fair 2336, 2/10. (Connelly, MA)
- +Fair w/PP female vocal 0159, 2/23. (Connelly, MA)
- +Poor w/talk 0002, 3/11. Good w/man in PP, then cl mx 0024, 3/17. (Connelly, MA)
- +0047, 2/22 mx weakly & faded down. (Curtis, VT)
- +Fair w/orch mx, then man in PP 2025, 4/3. (Connelly, MA)

800

SPAIN, Sevilla, EWS, fair w/man in SS, apparently a talk show, atop SAH 2256 10/10. (Connelly, MA)
- +Good w/man in SS 2345, 10/16. (Connelly, MA)
- +Good w/SS talk during pauses in CJVA/WGY sloop 2246, 11/25. SS stn's audio restricted & compressed, like a CB rig, so copy thru interference was enhanced. (Connelly, MA)

818

ANDORRA, La Vieja, Sud R., xlnt many eves around LSS w/FF pgm. Noted s/on 0400, 9/18 at near local level. (Eckman, PA)
- +Fair w/FF mx over fast SAH 0503, 10/2. (Connelly, MA)
- +Blasting in totally dominant on car rx at coastal location. Disco rock, then FF talk 2234, 10/9. (Connelly, MA)
- +Suddenly rose atop Morocco, completely taking over. FF ads/nx items broke up by Star Wars type ray gun sounds 2249, 11/25. (Connelly, MA)
- +Good w/bouncy FF vocal over rough SAH 0512, 12/1. (Connelly, MA)
- +Good 0504, 12/24 w/man in FF, mx in background. (Feltman, PA)
- +Dominant w/disco rock, then FF talk 2100, 1/1. Atop channel w/man & woman in FF 2139, 1/2. (Connelly, MA)
- +Dominant & very loud, the best TA at the time, w/rock, including "Short People" by Randy Newman, then FF talk. Rabat well under w/man in AA //827 0529, 3/19. 818 was really giving WBAP-820 a hard time. (Connelly, MA)

818

MOROCCO, Rabat, fair w/AA chants 0116, 9/18. (Connelly, MA)
- +To good peaks w/AA violin mx 2559, 10/4. (Connelly, MA)
- +In well w/AA chants in 820 sloop 0155, 10/5. (Everitt, OK)
- +Atop growl w/female AA vocal 2259, 10/10. Loud 2243, 10/11. Slow AA talk, possibly a business convention speech //827 2314, 10/14. (Connelly, MA)
- +Atop 2 other stns w/fast belly dance style AA inst mx 2258, 10/17. (Connelly, MA)
- +Fair-good w/man in AA 2314, 11/3. Woman in AA fair over TV interference 0038, 11/5. Good w/AA talk 2355, 11/5. (Connelly, MA)
- +Good w/AA inst mx (guitar & violins) 2248, 11/25. Bombing in over faint WBAP het w/female AA vocal 2349, 11/25. (Connelly, MA)
- +Fair w/AA male vocal 0154, 12/14. AA chanting & flutes fair-good 0012, 12/20. Strong w/AA female chanting over rough growl 2252, 12/22. (Connelly, MA)

- +Fair-good w/man in AA, then fragments of cl mx followed by more AA talk //827 0019, 12/24. Good w/female AA chanting & flutes 0723, 12/24. (Connelly, MA)
 - +Fair w/AA chanting over TV birdy 0116, 11/9. Fair w/AA groaning 2355, 11/10. Ultraloud w/AA talk, then guitars, violins, & male AA vocals; way atop fast SAH het--820 just a feeble background whistle 0618, 11/11. (Connelly, MA)
 - Male AA rambling 2018, 11/9 w/slight SAH. //827. (Dunn, NS)
 - Powerful w/man in AA, seemingly a political speech // 827 2308, 1/2. (Connelly, MA)
 - +1/3 good carrier 2230, no audio though. Hetting WPAB-820. (Thomas, FL)
 - +Strong w/man in AA 2311, 1/3. AA mx noted at 2319 //827. (Eckman, PA)
 - +Good w/AA violin & flute mx //827, 2324, 1/21. Man in AA talking over mx //827, 0008, 1/26. (Connelly, MA)
 - +Fair w/man in AA 2305, 1/27. Loud w/AA mx //827, 2337, 1/27. (Connelly, MA)
 - +Xlnt w/slow AA male vocal w/violins (resembling a funeral dirge); 827 seemed to be off 0234, 3/16. Xlnt w/female chanting 0027, 3/17. (Connelly, MA)
 - +Poor-fair w/TV interference; AA talk noted 0044, 3/19. (Connelly, MA)
- 815 UNID, Morocco and/or Andorra here as het, carrier, & occasional audio 0455-0550, 10/11 after phone tip from Gene Martin that TA's were coming in. Bits of male harangue in unid lang 0525, then what sounded like a woman singing 0527. At 0544 heard what sounded like dialogue between man & woman. Looped TA but hard copy due to 820 slop. (Portzer, WA)
- 819 EGYPT, Batra, AA mx 2200, 8/25. (NZDXT)
- 827 t LIBYA, usual mess here w/AA chanting dominant 2244, 10/14 over SAH's. Still have never gotten a positive Libyan ID here. (Eckman, PA)
- 827 MOROCCO, Oujda 2, very good w/"B" pgm in AA 2346, 9/13; alone on channel, measured 827.0222. (Nelson, MA)
- +Definitely dominant, plowing in w/nx in AA //818, 2303, 10/11. AA talk //818 loud 2314, 10/14. (Connelly, MA)
- +//818 w/stronger sig than 818, 2020, 11/9. (Dunn, NS)
- +//AA mx //818 over/under Libya w/AA talk, both loud 2357, 11/10. Morocco noted alone //818 good 0619, 11/11. (Connelly, MA)
- +Blasting in w/interspersed AA talk & cl mx //818, 0020, 12/24. (Connelly, MA)
- +Good w/pgm //818 despite URTH's indication that these are different networks. Fast SAH also 2315, 1/3. (Eckman, PA)
- +Xlnt, like a local, AA violin & flute mx //818, 2324, 1/21. AA talk & mx //818, loud atop SS stn 0009, 1/26. (Connelly, MA)
- +Good w/AA string mx & male vocal //818, 2335, 1/27. (Connelly, MA)
- +2112, 1/26 melodic AA mx, soft & smooth. (Dunn, NS)
- +Noted under a monstrous open carrier of unknown origin (Libya perhaps?); the Moroccan had female acapella chant //818--there was also evidence of other stns under the open carrier & Morocco 0030, 3/17. (Connelly, MA)
- +In w/big sig, man & woman in AA //818, 0530, 3/19. (Connelly, MA)

827 SPAIN, Barcelona, EAJ1, loud w/SS talk battling it out w/an equally loud AA talk stn (either Morocco or Libya) 2248, 11/25. (Connelly, MA)

827 ? UNID, AA moaning, loud, 0437, 9/18. (Connelly, MA)
- +0540, 11/12 monster carrier looping approximately 35° but little if any audio in UCCO splash. (Hall-Patch, BC)
- +Bulgaria possible, woman in Slavic-sounding language over a "rat pack" of fast flutters SAH's 0539, 12/23. (Connelly, MA)
- +AA mx over/under rough SAH 2350, 3/8. (Connelly, MA)

82C CANARY ISLANDS, Las Palmas, R. Popular, SS pop mx & ads, strong w/SAH (France?) 2025, 11/9. (Dunn, NS)
- +Fair w/man in SS 2356, 11/30. Loop bearing about the same as that of Dakar-764. (Connelly, MA)
- +Presumed w/weak SS talk by man, fast SAH possibly France 0654, 1/2. (Everitt, OK)

836 FRANCE, Nancy, good w/woman in FF over SAH's 2302, 10/17. (Connelly, MA)

836 MOROCCO, Agadir, surfacing over CBN slop w/definite AA talk to good peaks 2310, 10/17. (Connelly, MA)

836 ? UNID, Spain or Canary Islands, SS talk dominant over a pile of others 0725, 12/24. (Connelly, MA)
- +Bouncy up-tempo vocal, then rooster crowing & good morning greeting from "Good Morning" by the Beatles, then SS Carnival-style mx over faint SAH. Canary Islands suspected 0624, 11/11. (Connelly, MA)
- +Two carriers here 2312, 1/3. Stronger looped slightly S of Europe--maybe Canaries? Better at 2315 w/light mx but no talk heard. (Eckman, PA)
- +Pop mx including "Fifty Ways to Leave Your Lover" by Paul Simon, no ID's 2336, 1/21. (Connelly, MA)
- +Cl mx briefly loud, faded under WHDH slop before ID 2310, 1/27. (Connelly, MA)

845 ITALY, Roma, fair w/light cl mx & Muzak, WHDH nulled 0122 & up to good peak w/vocal mx 0125, 9/18. (Connelly, MA)
- +Xlnt 2135, 11/25 w/man in II. About the best low-end ox this season. (Lckman, PA)
- +Local-like sig w/woman w/FF nx 0031, 12/26. GG nx w/woman anc 0033 (usually given by a man). (Eckman, PA)
- +In most evenings 12/28-1/3 w/generally xlnt sigs 2230-0500+. Often takes deep fades of 1-2 mins but back up w/good sig afterwards. (Eckman, PA)
- +Good w/nx in FF 2332, 1/3. (Eckman, PA)

- 845 ? UNITED, fairly steady carrier noted here nulling MW 0434, 10/8. No audio of course. (Hall-Patch, LC)
- 854 SPAIN, Murcia, RNE, fair-good thru WHDH slop w/"Go Your Own Way" by Fleetwood Mac, then SS vocal 0127, 9/13. (Connelly, MA)
 +Strong w/SS man 0307, 9/13. Seemingly AM despite WRTM sked. (Eckman, PA)
 +W/SS talk by deep voiced man, sudden loss of sig 0702, then back w/weak carrier only 0703, 1/2. (Everitt, OK)
- 856 JORDAN, Scheduled to be on from 0600 to 1830 in English with 10 kw. (HZDXT)
- 863 FRANCE, Paris, fair w/FF talk 0708, 12/26. (Connelly, MA)
 +Very weak 0524, 12/24 w/woman talking. (Feltman, PA)
 +Local-like sig w/French Culture pgm 0515, 12/26. Still in at 0740 in FF. (Eckman, PA)
 +Xint many nights w/foreign language pgm 12/28-1/3 around 0600. //836 Nancy outlet when it is in. (Eckman, PA)
- 863 USSR, Yerevan, Azerbaijan listed, 0225, 2/22; RR male ancr, 6 Hz SAH, 24-30 dB over noise. Good on peaks. (Bailey, MA)
- 872 SPAIN, Zaragoza, in w/SS talk over/under raucous low growl, WHDH slop null'd 22%, 10/11. (Connelly, MA)
 +Poor w/time pips, SS talk over low het & WHDH slop 2300, 11/25. (Connelly, MA)
 +Likely w/pop 10 over SAH (AFN?) 0040, 12/24. (Connelly, MA)
 +Assumed w/inst mx 0034, 12/26. Fast SAH present (AFN Germany?). (Eckman, PA)
 +Good w/SS talk over SAH 2317, 1/27. (Connelly, MA)
 +Fair-good w/operatic male SS vocal over SAH 0034, 3/17. (Connelly, MA)
- 877 BEST GERMANY, Frankfurt, AFN, 0235, 2/22; EE man & woman commenting on Washington Birthday celebration. 3.6 Hz SAH, 28 dB over noise. Very good. (Bailey, MA)
- 881 GREAT BRITAIN, Washford, BBC, loud w/open carrier & short pip every 30 secs, prior to normal programming, SAH under was probably the German 0712-0714, 1/26. BEC was really jamming WGBS at the time. (Connelly, MA)
- 890 ALGERIA, Algiers, very good on car rx (near salt marsh); 3 bell interval sig sounded at least twice, then FF talk followed by Joan Baez style folk song in EE 2200-2205, 10/9. (Connelly, MA)
 +Cutting into WLS w/time pips at 2300, 10/10. Good, alone on channel w/dominant modern piano saxophone jazz 2227-2233, then pips, open carrier over/under WLS, possibly a s/eff 2259-2301, 10/11. (Connelly, MA)
 +W/MLS null'd & WHHC off had strange jazz mx here 2200-2230, 11/25. Low-end cx w're xint. No positive ID as only talk was brief armt between mx by man (def not SS) but unable to ID language. Would like to believe this is Algerians but will try again when cx rre good. (Eckman, PA)
 +In w/apparent cl piano mx fighting off "We Are The Champions" song on WLS 2056, 1/1. Noted w/SS pgm, WHHC looped 2144, 1/2. (Connelly, MA)
 +Alone w/cl mx, fair strength 2359, 3/10, followed by pips at 0000, 3/11; then rx by man possibly in FF. (Connelly, MA)
 +Arop SAH; fair w/women in FF 2323, 4/3. (Connelly, MA)
- 891 CYPRUS. A station 2N Cyprus heard here. (LEU, 3/15)
- 899 ITALY, Milano, surprisingly strong w/woman w/FF rx //845 0031, 12/26. No probs from 900 domestics. Haven't noticed this one too often this season. (Eckman, PA)
 +Xint 0202, 1/1 //845 w/FF-GG rx. Much better sig than Rome at that time. (Eckman, PA)
 +Now silent the last Wednesday of each month. (Arctic, 4/7/78)
- 908 GREAT BRITAIN, BBC, poor w/man in EE thru slop 2255, 12/22. (Connelly, MA)
 +In w/open carrier at good strength, weak audible het present on low side 0025, 12/24. (Connelly, MA)
- 917 SPAIN, Madrid, EAJ2, dominant 0010, 9/8 on measured 917.0059 but 2nd TA underneath sounded like AA at times; unid's freq was 917.0007. I have no AA speakers listed here---?? (Welson, MA)
 +Fair w/disco-rock 2335, 1/27. (Connelly, MA)
- 917 YUGOSLAVIA, is off on second Tuesday. (HWN, 11/77)
- 917 ? UNITED, prob Spain, carrier in CKCY/CJCH slop, WJAR null'd 2305, 11/25. (Connelly, MA)
- 926 USSR, Vladimir seems to have increased power as it now booms into Sweden. (HWN, 3/78)
- 936 MOROCCO, Agadir, now here, carrier spotted in & out of CBH slop 2320, 10/14. Nothing spotted on 935; this was a low-latitude opening. (Connelly, MA)
 +Still on 936 despite return of the 611 & 1043 stns which had jumped 1 kHz. Agadir was weak in slop w/talk by woman, feeble 935 het occasionally perceptible 0729, 12/24. (Connelly, MA)
- 944 FRANCE, Toulouse, good w/theme from "Rocky," then clear FF talk 2256, 12/22. (Connelly, MA)
- 945 NIGERIA, Abeokuta, this new stn noted for first time 2340-2351, 9/7 w/poor-

- fair sigs on 944.9998; man in vernacular or highly accented EE, quite bassy modulation. Direction OK for Nigeria w/i error bracket. Should probably be be best bet for Nigeria now. (Nelson, MA)
- 953 t CANARY ISLANDS, Las Palmas, EAJ50, man in SS poor, looping towards Africa at time when Iberian peninsula stns were much weaker than normal 2232, 2/22. (Connelly, MA)
- 953 ? UHID, Spain or Canaries, SS talk 2309, 10/17. (Connelly, MA)
 +Good carrier, bits of audio in merciful WPEN slop; loop position due E & opening was more towards Africa; therefore Canary Islands most likely 0011, 11/6. (Connelly, MA)
 +AA sounding mx at weak audio level on big carrier. Loop "says" N. Africa--- who is it? At 0630, 11/11. (Connelly, MA)
 +SS talk, poor, prob Canary Islands 2331, 1/21. (Connelly, MA)
- 962 INTERNATIONAL WATERS, R. Caroline, suspected w/wall-to-wall rock, few armts, heard most evenings in 8/77. A het from 963 is sometimes present. (Connelly, Ireland)
 +2310, 2/7 usual pop/rock format; EE male ancr; 1.5 Hz SAH; 23 dB over noise, some fading. Tunisia usually dominates here. (Bailey, MA)
- 962 TUNISIA, Tunis, fair w/Ramadan 0006, 9/6 on 962.0062. (Nelson, MA)
- 962 UHID, carrier 6 bits of mx in slop 0030, 12/24. (Connelly, MA)
- 966 SPAIN, Madrid, weak w/mixed SS talk & mx 2317, 10/17. (Connelly, MA)
 +Possible SS male vocal stop 2nd stn (RIAS?), yielding 0.7 Hz SAH; some CBY-990 interference 0037, 12/24. (Connelly, MA)
 +suspected here w/SS-style cl guitar mx 0550, 1/28. (Connelly, MA)
- 998 ITALY, Palermo, local regional radio is now using 2 kw. Has been heard in northern Italy. (Arctic 2/78)
- 1016 TURKEY, Istanbul, fair-good w/interval sig (seems to match WRTM), anthem, & time pips 0256-0300, 1/3. Problems from KDKA & unid stn on 1015. (Eckman, PA)
- 1016 WEST GERMANY, Mainz-Wolfsheim, dominant w/musky vocal (Robert Goulet/Andy Williams style); no trace of the Turk 2230, 11/10. (Connelly, MA)
 +To good peaks w/piano Muzak 2245, 11/28. (Connelly, MA)
- 1025 SPAIN, San Sebastian, good w/man in SS over SAH 0658, 12/24. (Connelly, MA)
- 1025 ? UHID, Spain suspected w/Imas mx, SS woman ancr 0607-0700, 12/24. Xlnt sig. (Feltman, PA)
- 1034 PORTUGAL, Porto Alto, fair-good w/PP talk, then female vocal; WBZ looped 2223, 10/10. Good, man in PP, 2313, 10/11. (Connelly, MA)
 +Good w/rock, WBZ nulled, 2250, 11/5. (Connelly, MA)
 +Prob the stn here w/march (anthem?) at s/on, surfacing thru WBZ slop 0559, 11/11. (Connelly, MA)
 +Poor w/vocal mx in WBZ slop 0012, 12/24. Bouncy up-tempo Muzak, then man in PP; good w/WBZ nulled 0657, 12/24. (Connelly, MA)
 +Strong & steady 0736, 12/26 w/PP version of "So Happy Together," then caught part of ID, "...Portuguesa...transmite..." Still audible past 0300. (Feltman, PA)
 +Xlnt w/mx in PP. Interval sig noted 0603, 12/26. Fast SAH noted (maybe Italy?). Still xlnt, but alone on channel 0750. (Eckman, PA)
 +Strong & alone 0603, 1/2 w/interval sig, PP talk, & mx. (Eckman, PA)
 +Loud w/PP folk mx, then "Car Wash" in EE 0658, 1/2. Elaborate sequence of beeps & tones on the hour. Good again 2357, easily separable from Haiti & holding its own against WBZ slop. (Feltman, PA)
 +Strong w/operatic male vocal, WBZ nulled, faint 4VEH-1035 het in background 2259, 1/2. (Connelly, MA)
 +0630, 1/2 fair, man talking, then woman singing. "Viva" said before two or three phrases & bell-like cow bell rung two or three times. (Poda, OH)
 +Fair w/male vocal, WBZ nulled, het from weak 1035 2337, 1/21. (Connelly, MA)
 +2115, 1/28 play-by-play sports (Rugby) //782. (Dunn, WS)
 +Weak w/PP talk in slop from nulled WBZ; over 1035 het 0023, 2/10. (Connelly, MA)
 +Occasionally in w/man in PP thru severe WBZ splash 2343, 3/16. (Connelly, MA)
 +0640, 3/20 poor, guitar mx & man talking at 0645. Het also on 1043 at same time. (Poda, OH)
 +Good (not strong, but in the clear) w/PP talk by woman, then march mx followed by male & female vocals (pop mx influenced by opera) 0552, 4/2. (Connelly, MA)
- 1043 EAST GERMANY, Dresden, good w/march mx 0442, 9/18. (Connelly, MA)
 t +CI mx & jazz here; big carrier, weak modulation 2340, 10/4. (Connelly, MA)
 +Easily separable from equal strength Morocco-1044; Burg had Acker-Bilke style Muzak-jazz 2220, 11/10. (Connelly, MA)
 +Fair 2205, 12/19, 1st time heard this season & 1st decent TA opening of the month. (Stanbury, ON)
- 1043 MOROCCO, Sebba-Aioun, has been a powerhouse here lately, noted in FF w/talk & rock mx; mx 2302, 10/14 contained repeated mentions of "la republique Democratique du Maroc" (Morocco). (Connelly, MA)
 +Good w/nonstop Who records 2220, 10/17. To xlnt peaks w/hard rock guitar mx 2320, 10/20. Good w/"Love Hangover" by Diana Ross, interspersed w/FF talk;

- WBZ nulled 2244, 10/22. (Connelly, MA)
 +Definitely back on 1043; US soul song, then mx in FF to good peaks 0659-0703, 12/26. (Connelly, MA)
- t +Presumed the one here w/rr mx & anc in FF 2227, 12/23. (Eckman, PA)
 +Xint on peaks (WBZ nulled), a version of the Neil Diamond hit "Song Sung Blue" was played 2056, 1/1. Fair w/blues guitar mx 2256, 1/2. (Connelly, MA)
 +2350, 1/2 loud het. Only audio possible low organ mx or low het. Much WHO interference & splatter. Must have been on 1044 for only a short time--het noted often & always lower in pitch than 1034. (Poda, OH)
 +Fair w/rock mx & FF DJ 2203, 1/21. (Connelly, MA)
 +Fair w/Les Paul/Chet Atkins style "light" C&W/HoB guitar mx 2358, 1/27. (Connelly, MA)
 +Fair-good w/jazz; WBZ nulled, 0025, 2/10. (Connelly, MA)
 +Messing around w/test tones, carrier good 0551, 4/2. (Connelly, MA)
 (Also see 1044--ed.)
- 1043 PORTUGAL, Porto Alto, occasionally in w/man in PP thru severe WBZ splash 2343, 3/16. (Connelly, MA)
- 1044 MOROCCO, SeBas-Ainou, fair w/blues-rock, then FF talk 2258-2303, 11/3. Good w/FF disco 2283, 11/5. Is on 1044, not 1043 where previously reported. (Connelly, MA)
 +Good w/rock insts but heavy het from the German on 1043 2220, 11/10. (Connelly, MA)
 +Good w/jazz, then FF talk, 2206, 11/25. (Connelly, MA)
 (Also see 1043--ed.)
- 1052 GREAT BRITAIN, BBC, dominant over fast SAM 2057, 1/1. Poor w/c1 mx in heavy WEN slop 2255, 1/2. (Connelly, MA)
 +Despite WEN crawling all over the freq, woman heard giving DJM log & times 2157, 2/10. (Lunn, NS)
- 1052 ? UNID, open carrier over AA chattering 0444, 9/13. (Connelly, MA)
- 1061 LIBYA, a new transmitter at Darnah was put into operation here on 9 June 1977. (WZDXT)
- 1061 PORTUGAL, Norte, fair w/soft piano mx, some KYM buckshot 2228, 10/10. (Connelly, MA)
 +Killing KYM w/loud c1 mx 2221, 10/17. (Connelly, MA)
 +Fair w/orch mx 2234, 11/5. (Connelly, MA)
 +Piano mx, cl, strong w/1060 bet 2018, 11/11. (Lunn, NS)
 +Poor-fair w/PP talk in slop 2207, 11/26. (Connelly, MA)
 +In w/c1 carrier, weak audio, operatic male vocal 2254, 12/22. (Connelly, MA)
 +Poor w/vocal mx in VEZ slop 0022, 12/24. Bourcy up-Jerpo Jurak, then man in PP; good w/WBZ nulled 0557, 12/24. (Connelly, MA)
 +Xint w/choral singing? c1 mx reminiscent of Mendel's Messiah; toning out KYM 2254, 1/2. (Connelly, MA)
 +Fair w/piano mx 2209, 1/11. (Connelly, MA)
 +Fair w/c1 mx over low het (about 200 Hz) 2250, 1/27. (Connelly, MA)
 +Poor-fair w/c1 mx, some WGR slop (.32% on late w/snowstorm) 0014, 2/2. (Connelly, MA)
 +Very loud w/c1 piano in 0015, 2/24. (Connelly, MA)
 +Just above the noise (some interference) but equally weak, KYM not a problem; Norte had c1 mx & operatic vocal 2313, 2/23. (Connelly, MA)
 +Good w/opera 0014, 3/11. Soft violin c1 mx poor-fair w/slop from CJRP/KYM 2245, 3/16. (Connelly, MA)
- 1061 SARDINIA, Cagliari, 2130, 10/21, II male commentary; 50 dB over noise; then Portugal w/c1 mx; 1.9 Hz WGR; fairly busy to 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 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2848, 2849, 2850, 2851, 2852, 2853, 285

- 1097 CANARY ISLANDS, Las Palmas, R. Atlantico, poor sig (no interference though), SS pop mx 1939, 11/10. (Dunn, NS)
- 1097 t CZECHOSLOVAKIA, Bratislava, likely the one here w/cl nx 0005, 12/23. (Connelly, MA)
- 1097 ? UNITED, talk by woman surfacing briefly thru slop 0706, 12/24. (Connelly, MA)
- 1115 t ITALY, believed to be the one w/test tones 0434-0452, 10/9 w/surprisingly strong sig. Approximate s/on 0500 as noted woman in what seemed to be II at 0505. No positive ID though. (Eckman, PA)
- 1115 MOROCCO, Quarzazate, male AA wailing to snake charmer mx! Good sig. Usual this season; last season Italy was a regular here (?). 1950, 11/9. (Dunn, NS)
 +Fair w/AA chanting over SAH 2215, 1/21. Good w/AA chants 2350, 1/22. (Connelly, MA)
 +Likely w/AA mx noted when WBT slop let up 2354, 1/27. (Connelly, MA)
 +2122, 1/28. Morocco w/wailing w/Bari underneath w/light cl mx. Always strong, Bari always underneath. (Dunn, NS)
- 1124 SPAIN, Barcelona, MAJ15, weak SS male ancr, fast talker into pop mx. Not often heard here. 2205, 2/9. (Dunn, NS)
- 1124 ? UNITED, loud tester w/tones 0007, 12/24. (Connelly, MA)
- 1133 CANARY ISLANDS, La Laguna, EAK64, totally dominant & overwhelming sig. Careful, complete ID as "R. Popular de Tenerife" on tape 2135, 10/27. (Dunn, NS)
 +2055, 1/27 very strong, HoR mx w/full & complete ID by woman. (Dunn, NS)
 +FS w/pop mx, interference from several others, 2105, 2/9. (Dunn, NS)
- 1133 SPAIN, Avila, ECS3, 2058, 11/9 ID, "Desde Avila, a caballo de Castilla, transmite R. Gredos, emisora de la provincia." (Arctic)
- 1142 USSR, Kaliningrad, w/K. Moscow FS (EE) 2100-2215, still on in EE at 2218 whr last checked 1/27. (Dunn, NS)
 +Male ancr commentary (EE) w/interference from Algeria (?) or AFN 2152, 2/10. (Dunn, NS)
- 1142 UNITED, at least 3 stns here, 2 SAH's approximately 1 Hz & 200 Hz off, some mx heard but details impossible. Many other carriers across band, but nothing over heard here before 0328, 12/31. (Everitt, OK)
- 1154 ? UNITED, AA vocal wedged in between HEC-1151 & France-1160 2348, 8/31. (Connelly, Ireland)
- 1160 ZAIRE, R. Matadi s/on 0415 in FI w/anthem, poor. (SADXC)
- 1169 CHAD, N'djamena, R. Chad, FF nx 2137, 10/27, complete ID, then nx in vernacular, very strong on tape. (Dunn, NS)
 +2153, 1/28 first logging in a long time, male FF, heavy interference. (Dunn, NS)
- 1169 WEST GERMANY, Heilbronn, SDR, 0020, 2/7 Chopin piano mx mixed w/sedate(?) rock. Deep voiced GG male ancr; 4 Hz SAH; 22 dB over noise; used binaural reception. (Bailey, MA)
- 1173 SWEDEN, H8rby, w/FS poor fluttery sig w/WHAM splatter. Heard interval sig 2 s/on w/anthem 2200, 11/11. Language not readable, presume RR per sked. (Dunn, NS)
 +2209, 1/27 male ancr w/nx (RR) w/RNE Barcelona underneath. (Dunn, NS)
- 1187 ALGOLA, Emissor Regional de Malanje, ex R. Clube de Malanje, has returned here and 4940 kHz; was silent since early 1976. (SCDX)
- 1196 MOROCCO, Agadir, good w/Near East mx 2315, 10/10 but soon faded out. (Stanbury, ON)
 +Poor-fair w/AA inst mx 2225, 10/17. (Connelly, MA)
 +Unusually loud w/male AA chanting 2352, 12/22. (Connelly, MA)
 +2100, 1/28 native wailing suddenly stopped on the hour. Into martial mx & male AA commentary. No ID discerned despite xint clear sig. (Dunn, NS)
 +Strong, dominant sig 2150, 2/6 w/string mx, vernacular chanting. (Dunn, NS)
 +Good w/primitive-sounding drumming & chanting 2350, 3/16. (Connelly, MA)
- 1196 WEST GERMANY/UNITED, Munchen, VOA, assumed the one here w/xint sig 0616-0700, 12/26. Def in EE when talk heard. Slow SAH on channel thru-out. Something dated EBU info indicates Morocco unlikely as 2nd stn. After 0700 2nd stn was alone w/talk sounding like PP. So probably the Portuguese listed here. (Eckman, PA)
 +Strong w/man in EE, recent rock mx, clear VOA ID 0607, 1/2. (Eckman, PA)
- 1196 ? UNITED, Agadir suspected w/Arab-style mx 2123, 1/2 & again 2104, 1/3. Seemed to loop too far S for VOA. (Feltman, PA)
- 1205 FRANCE, Bordeaux, assumed to be the one w/fair carrier and occasional FF audio, although usually not heard at this time 0558, 10/6. (Everitt, OK)
 +Male FF talk strong, only slight WCAU splatter. S9 sig (no sign of Freetown) 2048, 11/9. (Dunn, NS)

- +Very good w/talk 0025, 12/26. Traces noted 0858 even as R. Paradise was signing on. (Eckman, PA)
- +Getting to be a regular of late as is often in during evenings 12/28-1/3 any time from 2200-0600+. Generally marginal signal but audible w/mechanical filters. (Eckman, PA)
- +Good-xlnt 0125-0230+, 1/5. Noted man in GG many times during this period for positive ID. (Eckman, PA)
- +Poor in WTS4/CJCB slop; woman in GG, then mx 2227, 1/21. (Connelly, MA)
- +Heard a number of times this season w/xlnt signals 2112, 2/8; woman ancr, pop mx, w/interference from EAK92 under. (Dunn, WS)
- +Assumed w/powerful het against 1270. No audio heard but freq definite as it was separable from R. Paradise-1265, 0245, 2/22. (Eckman, PA)
- 1268 ? UNID, carrier, bits of African mx during African opening 2345, 4/3. (Connelly, MA) (The only African listed on at the time is 4 kw Mali; maybe it was the Canary Islands--ed.)
- 1286 CZECHOSLOVAKIA, Praha-Helnik, to fair peaks w/cl mx 2243, 11/10. (Connelly, MA)
- +Fair w/cl mx, atop slow SAH (probably Portugal) 2313, 12/22. (Connelly, MA)
- +Very weak but their familiar interval signal penetrated nicely 2200, 12/31. (Feltman, PA)
- +Assumed the one here w/good signal w/man speaking possibly in GG 2205, 12/31. Noted several other evenings though only with poor-fair carrier. (Eckman, PA)
- 1295 GREAT BRITAIN, Crouborough, BBC, 0358, 4/24; interval signal of trumpets in key of B-flat, slightly a/cin to Albanian interval signal but played more rapidly & w/more notes. (Interval signal heard several times in the past.) Bits of EE male w/xx 22 dB over noise, 3 Hz SAH. (Bailey, MA)
- 1295 SUDAN, Sennar, now officially testing 1500 kw transmitter here, noted closing at 1957 with tone signal after a test program of Sudanese music. The request reports in English to Broadcasting Service of the Democratic Republic of Sudan, P.O. Box 572, Omdurman, Sudan. This station was heard periodically in early July relaying the Home Service Sennar is testing irregularly on 1295 with 750 kw. Noted 1600-2000 UTC, but times vary. (SCDX, 9/77)
- +Testing at strong level w/FF songs 1938-1911, 6/20. GG songs good 1843-1913, 6/26. (HZDXT)
- +Powerful AA stn noted testing 9/28 is very likely 1200 kw new stn being widely heard in Europe. Noted from tune-in 0030 to fade-out about 0330. Measured freq of 1294.9997 \pm 0.4 Hz & lack of // 's to Morocco outlets rules out Rabat; nonstop AA thru the hours eliminates BBC. No direction finding that night due to equipment problem. Observed fade-out about 0330 on stripchart agrees well w/predicted Sennar dawn fade time of 0346 that date. The received signal varied in strength rapidly several times suggesting xr problems. No sign of him the next 3 nights, only a weak CA on 1294.9713 which may be YH00, Matagalpa per 5/24/76 DXII. (Nelson, MA)
- 1295 ? UNID, trumpets resembling Albanian interval signal 2229, 1/21. (Connelly, MA)
- 1304 ? UNID, carrier noted, no audio, signal wallowing in interference and atmospheric noise 0318, 9/22. Looping same as Dakar-764, so this is likely the Senegal stn heard recently by Bill Bailey in Holden. (Connelly, MA)
- +2 carriers here. SN-2 position indicates an Algeria/Senegal mix 2232, 10/17. (Connelly, MA)
- 1313 NORWAY, Stavanger, loud w/cl mx atop apparent PP speaker 0641, 12/26. Talk in a Germanic language fair 0658-0702, 12/26. (Connelly, MA)
- 1313 ? UNID, usual local pest WCAN-1310 off around 0800, 12/26 making this freq DXable. Noted good carrier here 0810 but no audio. Checked back 0840 & had a conversation in progress between man & woman in a language that was not SS/FF/II/EE or similar. Thus, Spanish listed was probably not the source. Quite good 0043 w/woman speaking (have on tape) in a "sing-song" type language. Definitely makes me think of Stavanger but the very late time & less than optimal cx seem to preclude it. Germans on 1266 & 1586 were still in 0850 so could assume that Stavanger not impossible at this late time. Is anyone able to calculate time of "effective ionospheric dawn" for Philadelphia to Stavanger path on this date? (Eckman, PA)
- 1316 NIGERIA, Lagos, wx rpt from "Nigerian Meteorological Service" clear & positive ID on tape 2115. 2055-2115 on tape; weak but no interference. A great surprise & a new one 10/27. (Dunn, WS)
- 1327 HOLLAND(?), R. Silverbird 0010, 9/17 one nice "pirat" heard w/fine strength & well mx (as near as I can translate it--ed). (Arctic)
- 1331 t ITALY, Roma, assumed the one w/test tone 0406, 9/18. Off soon afterwards. (Eckman, PA)
- +Probably here w/orchestral mx, fair w/WHET off 0526, 1/28. (Connelly, MA)
- 1334.5 ? UNID, Fling carrier, heard during TA opening, but possibly a LA 0515, 12/23. (Connelly, MA)
- 1349 MAURITANIA, Nouakchott, probable w/weird violin mx & flutes, AA style, then definite AA talk by man; badly slopped 2322, 9/22. (Connelly, MA)
- +Good w/female AA chanting; usual 1350 domestics were weakened considerably by auroral cx 2322, 10/28. (Connelly, MA)

- +Vernacular rambling, very agitated 2145, 10/31, strong, no 1340 problems!
(Dunn, NS)
- +Fair w/AA inst mx & female chanting over & under slop from 1350 2354, 2/9.
(Connelly, MA)
- 1349 ? UNIT, probably France, bad het on WHNE/Canadians-1350 2310, 12/22.
(Connelly, MA)
- 1358 ALBANIA, Tirana, Foreign Service w/unit language to 0426, 1/29; new language
after 0036 interval signal. Poor signal. (Dunn, NS)
- 1358 LAST GERMANY, Berlin, good w/man in GG 0157, 12/3. (Eckman, PA)
+Assumed w/mx occasionally audible around 0155, 1/5. Fair-good signal.
(Eckman, PA)
- 1367 PORTUGAL, Porto Monte de Virgen, to fair peaks w/rx by woman in PP 0602,
4/2. (Connelly, MA)
- 1367 SENEGAL, now listed with 20 Kw as Saint Louis. (WRTH NL, 11/77)
- 1367 ? UNIT, poor-fair carrier heard 2158, 1/1. Poland listed in WRTH seems most
likely TA possibility here. (Eckman, PA)
- 1375 ST. PIERRE & MIQUELON, R. France fair-good w/cl piano mx 0118, 8/7.
(Connelly, MA)
+0125, 10/11 program of FF pop mx, then "Don't Stop" by Fleetwood Mac, faded
out, 0140 more FF pop mx, selection of Tropical-like mx, talk by male DJ,
then sign-off notice by woman, "La Marseillaise," then off.
(McClenaghan, OH)
+Good w/male vocal over Lille-1376 het 2234, 10/10. FF mx in at 2256, 10/14.
(Connelly, MA)
+Good w/Tom Rush style folk vocal in FF 0134, 11/9. (Connelly, MA)
+FF woman in play. Always there; a semi-local to me. S-S during day on
30-190. 1800, 11/9. (Dunn, NS)
+Fair w/woman in FF 2220, 11/25. (Connelly, MA)
+Good w/FF talk by man 2217, 12/20. (Connelly, MA)
+Good w/mx & FF talk; slightly weaker Lille-1376 whipping a nasty het in at
times 2200, 1/2. (Connelly, MA)
+Good w/man & woman in FF (1376 weaker, as a net) 2349, 1/27. (Connelly, MA)
+Fair-good w/FF discussion, 1376 het not present 2353, 2/9. (Connelly, MA)
+Good w/man in FF over 1376 het 2300, 2/22. (Connelly, MA)
+Very fluttery w/jazz 2349, 4/3. (Connelly, MA)
+Poor w/FF talk by man 0020, 4/24. (Connelly, MA)
- 1376 ● FRANCE, Lille, in fairly well w/male & female alternating FF talk, very
clear at times 0550, 10/6. (Everitt, OK)
+Strong at apparent sign-on 0430, 10/6 in unid language. (Eckman, PA)
+0415, 10/11 same program as Nice, i.e., talk by man in AA or Turkish, 0528
selection of Turkish mx. Signal here stronger than Nice, but much more
interference. (McClenaghan, OH)
+Totally over St. Pierre-1375; FF talk booming in over weak 1375 het 2237,
10/17. (Connelly, MA)
+Loud, obliterating 1375; man & woman in FF 0134, 11/9. (Connelly, MA)
+Assumed w/lady 2252, 1/2 apparently //1554. Better than 1375. (Eckman, PA)
+Good w/People AJ chanting 0514, 12/23. (Connelly, MA)
+o fair peaks w/man in FF 2040, 1/1. (Connelly, MA)
+Strong many nights around 0530 w/foreign language program, e.g., 12/30, 1/2.
Did not seem //863 on 12/30 though both were carrying foreign language pro-
grams. (Eckman, PA)
● +Fair w/FF talk & tune like something from a musical play; very few other
TAs making it this night 0636, 1/3. (Everitt, OK)
+Good but faded w/African style mx w/vocal & drums. Then lady in AA & man in
FF talking over plucked steel guitar mx 2522, 1/28. (Connelly, MA)
+Poor-fair w/piano jazz 2244, 2/23. (Connelly, MA)
- 1376 ? UNIT, carrier at fair level noted 0255, 1/5. No audio heard. No change
after 0300. Lille testing? (Eckman, PA)
- 1385 EAST GERMANY, Bernburg, 0320, 4/19 GG male ancr between symphonic excerpts
from Wagnerian opera. Only fair most of the time. 30 dB over noise.
(Bailey, MA)
- 1385 t SPAIN, Madrid, R. Centro, suspected during Iberian opening; cl mx poor over
pack of SAH's 0536, 4/2. (Connelly, MA)
+In w/3 others 2259, 1/21. (Connelly, MA)
- 1385 USSR, Kaunas, 2220, 1/29 very poor signal but R. Moscow Foreign Service in-
terval signal heard clearly. (Dunn, NS)
- 1385 ? UNIT, fair signal heard at LSS 12/31, 1/2 around 2145-2200. Def not TVI,
looped TA. Several possibilities per WRTH. (Eckman, PA)
+Fair-good signal w/man & woman in FF 0306, 1/5. Believed to be TA but no-
thing really possible listed here in FF. (Eckman, PA) (Haiti has been re-
ported here on rare occasions, perhaps then--ed.)
+Pack of carriers yielding fluttery SAH pattern 2156, 3/16. (Connelly, MA)
+Canary Islands suspected. Lush Muzak briefly good, then faded down 0013,
4/25. Signal was alone on channel & looped Africa. Band was open to Africa
& closed to Europe at the time. (Connelly, MA)
- 1392 ANGOLA, R. Clube de Luanda heard in Norway at 0057. (Arctic, 3/10)

1394

ALBANIA, Lushnje, good w/usual SS program 2325, 9/5 & several evenings since then. Sign-off 2327 w/Internationale. Seems to make it in w/1466 even when cx are poor. (Eckman, PA)
 +Noted fading in 2205, 10/15 w/EE program. SS program 2300 very strong 10/15 (Eckman, PA)
 +Poor-fair w/woman in FF sounding language 2235, 10/10. (Connelly, MA)
 +Fair w/Slavic sounding talk by woman 2238, 10/17. (Connelly, MA)
 +Fair w/non-stop talk by man, possibly SS 2325, 11/5. (Connelly, MA)
 +Fair in slop w/talk by woman 2245, 11/10. (Connelly, MA)
 +Strong enough to make out what they were saying in EE 2114, 11/11. (Dunn, NS)
 +Poor-fair w/talk by man & woman over SAH 2222, 11/25. (Connelly, MA)
 +Fading in 2102, 11/26 w/carrier. Good on many evenings thereafter especially around 2300-2330 sign-off. (Eckman, PA)
 +Good-xlnt w/Slavic talk by woman 2324, 11/23. (Connelly, MA)
 +Noted w/man in SS-sounding language over SAH 2308, 12/22. Good w/GG talk 0513, 12/23. (Connelly, MA)
 +Super loud w/military style mx, then carrier dropped off 2326-2327, 12/23. (Connelly, MA)
 +Faded in 2041, 12/23. Xlnt 2058 w/trumpet interval signal. In EE 2200-2230. (Eckman, PA)
 +Very clear w/interval signal repeated several times just before 2300, 12/26. Played the Internationale at sign-off 2327. (Feltman, PA)
 +Here already 2113, 12/31 w/cun still shining brightly. Very strong w/EE propaganda 2206. Male ancr had British accent. (Feltman, PA)
 +Noted all evenings 12/27-1/3. Xlnt w/interval signal 2059, 1/1. (Eckman, PA)
 +Loud w/trumpet interval signal 2159, 1/2. (Connelly, MA)
 +Xlnt w/trumpet interval signal 2259, 1/21. (Connelly, MA)
 +Poor-fair in slop; non-stop talk by man, possibly SS 0517, 1/28. (Connelly, MA)
 +R. Tirana Foreign Service (EE) very strong, clear frequency, anti-US, anti-everybody, crap & crud, in EE yet! 2206, 2/10. (Dunn, NS)
 +Loud but fluttery w/trumpet interval signal 2259, 2/22. Fair w/FF sounding talk by woman 2245, 2/23. (Connelly, MA)
 +Coming through slop w/talk by woman then by man--audio too mushy to tell language 2307, 2/28. (Connelly, MA)

1394

? **UNITED**, Spanish locals suspected: a SS-sounding vocal popped up briefly over a graveyard-like mess; Albania not noted 0604, 4/2. (Connelly, MA)

1403

● **GUIIRA**, Conakry, very good w/fast AA-influenced African vocal dance mx 0117, 8/77. (Connelly, MA)---Has become the 1st year around TA to be heard in Denver. Sharp het against 1400 stations audible even on July nights, sometimes audio there...found as early as 0300. Neither does it require xlnt cx to the east for it was spotted at times when WCAU seemed to be weak & WCAU is my principal domestic beacon as to cx in that direction. (Martin, CO)
 +In & out all evening to a degree w/such as plucking instruments, unid language, native vocal, lots of drums & something like children singing 2336, 9/8-0150, 9/9. (Curtis, VT)
 +0245, 9/10 vernaculars; heard man giving long talk, 0255 short phrases of mx, talk in FF, then steel drum mx that went on past 0345. (McClenaghan, ON)
 +Fair w/talk by man 2236, 10/10. (Connelly, MA)
 +Good in FF 0001, 9/12 on 1402.9995; they've finally learned to control their frequency. (Wilson, MA)
 +This pest making itself known lately although it hasn't been as strong in early evening as it was last year; good w/native mx 0550, 10/8. What sked are they on now? (Everitt, OH)
 +Very loud w/man in FF killing 1400; best early evening TA 2244, 10/8. (Connelly, MA)
 +0040, 10/15, FF; all heard was a man talking--these talks can be pretty long & boring, & my FF is not too good so I didn't stay long! (McClenaghan, ON)
 +Here w/big carrier, weak modulation on cl mx 2239, 10/17. (Connelly, MA)
 +Vernacular using as usual 2050, 10/27. (Dunn, NS)
 +Belting into WIDE/WLID-1400 w/African mx & mean het 2250, 10/29. Good w/mx sounding like a weird blend of AA chanting & a Trinidad steel band 0513, 10/30. Still loud when re-checked at 0615. (Connelly, MA)
 +Vernacular w/singing, usual rhythmical & repetitive chanting. No interference or hets. One of the easier African stations. 1936, 11/9. (Dunn, NS)
 +0010, 11/26 poor, looped S of E. Man & woman talk in FF. Het was always there & quite good this night together w/1044 het until whole AM band became abruptly poor after 0000--MIV had minor geomagnetic storm occurring. (Poda, OH)
 +In w/strong carrier--sometimes unmodulated, occasional rx heard at low audio level--very regular slow rolling fades apparent 0112, 11/26. (Connelly, MA)
 +African vocal & drums 0334, 12/3 w/very loud het. Again 0009, 12/8 w/man talking in FF. (Feltman, PA)
 +Fair w/AA talk 0017, 12/4. (Connelly, MA)
 +Fair w/native chanting 0618, 12/18. Bits of AA-sounding talk by woman 2210, 12/20. AA-sounding talk 0512, 12/23. Direction consistent w/African location. (Connelly, MA)
 t +0146, 12/19 presumed to be strong carrier here. (Hanavan, CA)
 +Good w/talk by man in vernaculars 0638, 12/24. (Connelly, MA)
 +Suppose this African w/mx 0620, 12/29 weak; 18th country. Also het detected 12/26. (Beauregard, QU)
 t +Loud het & weak carrier measured on 1403.001 0227, 1/2. Possible male talk thru slop 0255 & bits of what sounded like group vocal mx 0339. Not totally sure, though; 1400 slop can sure fool a person... (Beverage, WA)
 +Unusually strong w/male & female alternating in unid language 2202, 1/8. (Eckman, PA)

- +Bombing in w/usual strong signal, moderate fading, vernacular babble, & occasionally interjected FF 0639, 1/3. (Everitt, CK)
 - +Poor w/man in FF 2225, 1/12. To fair peaks, chanting noted w/fast fading 0038, 1/13. (Connelly, MA)
 - +2148, 1/29 very strong w/soft shallow modulation, chanting w/drums. (Dunn, NS)
 - +The only good high-end TA at 2350, 2/9: African mx at low modulation level on potent carrier. (Connelly, MA)
 - +Strong vernacular chanting; interference from Brest under, 2139, 2/10. (Dunn, NS)
 - +Fair-good w/man in FF 2259, 2/22. Xint w/native mx 2357, 2/23. (Connelly, MA)
 - +To fair peaks w/female vocal 0157, 3/19. (Connelly, MA)
 - +Fair w/crowd of people snouting & singing 0038, 4/7. (Connelly, MA)
 - t +Very weak carrier here 0605, 4/9 looping EHL. Couldn't check for signal on 764, but they're supposed to sign on late on SH anyway. (Hall-Patch, BC)
 - +In w/big carrier, weakly modulated by male chanting 0010, 4/25. (Connelly, MA)
- 1403 ? UNID, nil-weak carrier 0455, 10/8, about 65° bearing from here which tallies w/Guinea. I'll ID it some day, hi. (Hall-Patch, BC)
- 1412 INTERNATIONAL WATERS, DD talk, R. MI Anigo International ID, good 1857, 8/23. (Connelly, MA)
- Equipment test 0355, 8/b. Announced as 0500-1800. (Arctic)
- 1412 ? UNID, carrier only noted 0434, 10/9. Several possibilities per WRTM. (Eckman, PA)
- +Open carrier noted 1930, 11/10; did I miss a sign-off or foreign service xmsn change? Very strong, compared at times to 1406/1580 levels. Conc 2020 when I looked again. (Dunn, NS)
 - +Heavy, het on WPOP/CIGG; mx occasionally heard (it seemed to be rock). MI Anigo possible here 2258, 2/22. (Connelly, MA)
- 1421 WEST GERHARDY, Saarbrucker, poor w/GG talk & organ wr 0630, 12/26. (Connelly, MA)
- +Assumed the source of fair carrier 0056, 12/26. No audio noted. (Eckman, PA)
- 1422 LUXEMBOURG, Harnach, strong 2335, 9/5 w/rock mx. Quickly faded out & did not return. (Eckman, PA)
- Briefly fair-good over WNCR/CFGG het; soul song, then non in EE 0206, 9/18. Loud w/talk 0455, 9/18. (Connelly, MA)
 - +Loud het, fragmentary audio, but too much WNCR/CFGG for good copy 0540, 11/11. (Connelly, MA)
 - +To good peaks w/"Bridge Over Troubled Waters" by Simon & Garfunkel 0634, 12/26. (Connelly, MA)
 - +Potent w/r/r mx, American sounding DJ 0039, 12/26. Better than average signal this evening compared with its performance so far this season. (Eckman, PA)
 - +Noted most evenings 12/30-1/3 at LSS. Good 2131, 1/2 w/rock. (Eckman, PA)
 - +Good w/talk in EE 0205, 1/5. (Eckman, PA)
 - +Blasting 1440 domestics into oblivion on TRF at coastal location; BeeGees song, EE DJ, R. Luxembourg ID, then disco rock 2225, 1/14. (Connelly, MA)
- 1457 ALBANIA, Dürres, assumed w/good carrier & mushy audio 0408, 9/18. Only high-band MA in to any real extent this Ah. (Eckman, PA)
- +Assumed w/potent carrier, weak audio w/woman 0405, 10/8. Noted again 0355, 10/9--again very strong. (Eckman, PA)
 - +Fair w/woman talking, possibly FF 2240, 10/17. Good over SAN's w/talk by man & woman 0432, 10/26. (Connelly, MA)
 - +Potent w/woman (in FF?) 2233, 12/2. Stronger than 1394 at the time. (Eckman, PA)
 - +Good w/"East is Red" interval signal 0358, 12/31. Noted most evenings 12/30-1/3 best around 2230 w/FF programs. (Eckman, PA)
 - +R. Tirana Foreign Service heard interval signal 0430, 1/29. (Dunn, NS)
 - +R. Tirana Foreign Service, GG mx strong, clear, 2200, 2/10. (Dunn, NS)
 - +Poor w/talk by man, in slop 2247, 2/23. (Connelly, MA)
- 1457 MAYOTTE, France Region Trois (FR3)-Mayotte, Dzsoudzi operates on 1457 (4 kw) 0400-0530, 0900-1100, & 1530-1800 (Sun 0700-1100 & 1600-1800) in French and Mahorais. Power is to be increased to 20 kw next year. (SCDX, 9/77)
- 1457 ? UNID, Albania or England, muffled EE talk by men hitting fair peaks 2212, 12/20. (Connelly, MA)
- +Open carrier over SAN 0450, talk in EE 0455, c1 mx 0456; carrier went off 0457:20 on 1/25. London perhaps? (Connelly, MA)
- 1466 MONACO, Monte-Carlo, TMR, good w/religious choral mx, possibly GC 0307, 6/7. (Connelly, MA)---noted on 8/13, 15, & 18 signing on at 0355. Obviously a sked change though I have no idea how permanent it is. Should make a nice "TA Beacon" almost year-round if sign-on remains this early. Program at 0355 is still the typical GG religious program. (Eckman, PA)
- +Super strong 2354 w/woman in AA 9/12. (Nelson, MA)
 - +Noted w/male vocal, weaker than normal 0457, 9/18. (Connelly, MA)
 - +No longer signing on early at 0355. Presumably back to old sked. Maybe this was for summer only. Did something like this last year also. Still noted at sunset w/EE 2300-2330 & eventual sign-off 2400 after AA religious program. (Eckman, PA)

- SS 2344 w/ID, location, nice jingle mx; right into AA 2346 to 2401+. Good steady signals 9/8. (McNeil, DC)
- +Fair over slop, EE religious program, western US EE accented preacher gave addresses in Chicago, London, & Philippines 2326, 10/4. (Connelly, MA)
- +Fair w/woman & man in Romance language 2243, 10/8. Good w/romantic Muzak (saxophones & strings) 2331, 10/9. (Connelly, MA)
- +2355, 10/11 heard end of EE religious program w/sermon, hymn, then sign-off notice in EE, interval signal 3 times, then off. First appearance this season, hope to hear them often as this is my indicator station for TA's. (McClenaghan, OH)
- +Fading in around 2206, 10/14 w/religious program. Potent 0425, 10/8 w/open carrier & test tone. (Eckman, PA)
- +Ultraloud like a local w/US accented EE religious program 2237, 10/10. EE preaching in at 2254, 10/14. (Connelly, MA)
- +0440, 10/15 in GG: interval signal, sign-on into GG program w/hymn, very poor, could barely hear interval signal. (McClenaghan, OH)
- +Xlnt, badly pestering 1460 & 1470 w/religious mx 2241, 10/17. (Connelly, MA)
- +In EE w/syndicated religious show 2139, 10/31, poor signal! unusual. (Dunn, NS)
- +Good w/EE religious programs 2329, 11/5. (Connelly, MA)
- +Very veerry strong w/FF nx &/or commentary 1834, 11/9. (Dunn, NS)
- +Xlnt w/EE sermon 2251, 11/10. (Connelly, MA)
- +Fair w/talk, then religious mx 2226, 11/25. Adjacent channel slop higher than usual during enhanced short-skip cx on the high end of the band. (Connelly, MA)
- +Good w/religious program in southwest-US accented EE 2337, 11/28. Fair and fadey w/talk; little else noted TA-wise on the high end 2337, 11/30. (Connelly, MA)
- +Still remaining the most reliable TA this season. Xlnt 2230, 12/2 seemingly in AA w/religious program. (Eckman, PA)
- +Fair-good 05C7 w/GC religious talks. Only carriers, no audio on 1586, 157A, 1511, around 0500, & badly hitting on 1349 at 0555. In all, a lousy TA night, while numerous 60 meter stations in central USSR were all good around 0500. Cx were quiet, right for TA's, but only this had audio 12/10. (McNeil, DC)
- +Fair w/male operatic vocal, possibly a hymn 0446, 12/18. Fair w/religious song by woman 2139, 12/20. Very good w/organ mx, then AA talk 2214, 12/20. Xlnt w/EE religious program, discussion about the Bible & human rights 2304, 12/22. Very good w/man in GG 0511, 12/23. (Connelly, MA)
- +Good w/AA-sounding talk 2324, 12/23. Bouncy pop mx, then man in FF 0625, 12/26. (Connelly, MA)
- +Fading in 2036, 12/23. Good in GG 2114. (Eckman, PA)
- +2240, 12/25 poor-fair but fades at times. At 2225 Ralph Miller invites listeners to "keep on listening & praying," then into chorus 3 mx. At 2229 gives address to send for program details in England. ID & "205 meters" 2230. Also heard 12/26 2347 fair & 12/31 2330 (before LSS) poor-fair in GG, & 2350, 1/1 poor; lastly 2343, 1/2 poor-fair w/address in England, then into SS "Aqui Monte Carlo." (Poda, OH)
- +Fair w/man in GG 2040, 1/1. Xlnt w/choral gospel mx 2157, 1/2. (Connelly, MA)
- +Fair carrier 2200, 1/3, no audio. (Thomas, FL)
- +Good at sign-on 0450, 1/4 w/GG program. Also noted w/poor-fair signal 0400, 1/10 w/interval signal. Only high-band TA w/a meaningful signal that AM. (Eckman, PA)
- +At last, after years of trying for it--0457-0506, 1/21 9 mins on tape. Got no positive ID, but the tape contains 7 mins of choral mx, sacred flavor, running right across the hour, no pins, nothing on the hour. Male voices, unreadable, about 0504. Was carefully separated from a LA on 1465 & looping RE. Coincided w/other high-band TA's that night on 1586 & 1554, as well as 1214 & 665 TA carriers. (Martin, CO)
- +Fair-good w/female religious vocal, then GG talk by man 0501, 2/8. (Connelly, MA)
- +Still early but already "S-9" 2050, 2/9 w/GG woman very strong. (Dunn, NS)
- +Loud w/choral mx 2231, 1/18. Loud again, the best TA: male group religious vocal mx 2319, 1/20. Fair-good w/hymn by choir 2301, 1/21. (Connelly, MA)
- +2045, 1/27 very strong as usual w/GG talk. (Dunn, NS)
- +Good-very good 0440-0450, 2/22 w/interval signal, sign-on at 0445 in GG. (Eckman, PA)
- +To good peaks but w/extremely fast & deep flutter fading; talk by man 2258, 2/22. Loud w/muzak 2356, 2/23. (Connelly, MA)
- +Good w/EE religious program--fast fading evident 2255, 2/28. (Connelly, MA)
- +Religious mx weak-fair w/very erratic flutter fading 2339, 3/8. (Connelly, MA)
- +Good but fadey: male voice in unfamiliar language, organ accompaniment noted 2329, Monte Carlo ID 2330 followed by Israeli-sounding folk mx 3/10. (Connelly, MA)
- +Fair w/man in GG 0513, 3/19. (Connelly, MA)
- +Fluttery/weaker than normal w/religious cl mx program 2351, 4/3. (Connelly, MA)

1475

- AUSTRIA, Wien, poor w/soft orch mx over others 2253, 11/10. (Connelly, MA)
- +Poor w/cl mx 2323, 12/23. Austria clear & alone w/loop set for NE pick-up, SAH mess present for due east pick-up. (Connelly, MA)
- +Poor w/piano mx in slop 2156, 1/2. (Connelly, MA)
- +Believed to be fair carrier noted several evenings 12/31-1/3 around 2230. Also noted man in GG (?) 0503, 1/3. Has anyone heard them at sked sign-on 0400 this season? (Eckman, PA)
- +Male w/GG nx, heavy Benin interference, very poor signal 2112, 2/9. (Dunn, NS)

+In w/cl mx barely atop a rumble of low hets 2249, 2/23. (Connolly, MA)
+Poor w/cl mx over het gravel 2206, 2/28. (Connolly, MA)

1475 • SEMI, Cotonou, assumed w/weird mx 2227, 11/25. Alone on the freq. (Eckman, PA)
c +Likely w/carrier & occasional African drumming--signal strongest w/loop peaked for FM pick-up 2359, 3/30. (Connolly, MA)
+Fair but fuzzy w/pennetive African inst mx 3004, 4/25. (Connolly, MA)
+0130, 4/25 native rhythms & chanting; FF male ancr, very strong, 58 dB over noise. Sign-off 0206 w/o MA. (Bailey, MA)

1475 CONGO, Brazzaville, operates from 0420-0200; has been heard in Holland. (JBU, 11/77)

1475 SPAIN, one of the Spanish locals peaked up well w/SS vocal mx, but it faded quickly 0207, 4/2. (Connolly, MA)

1475 ? LIB, possibly 2 stations noted here on several evenings at around 0400 & 0500 on LSS occasionally. Have yet to ID Vienna here so far this season so one of them could be it. Spain & perhaps Demin could also be possibilities. Best on 10/8, 10/9, & 10/11. (Eckman, PA)
+Possibly an African here w/good carrier 2203, 1/5. No audio heard despite good carrier level. (Eckman, PA)
+Big carrier, little or no audio here during African opening. Benin? At 2338, 4/5. (Connolly, MA)
+Two carriers noted several evenings around 2335-0005+, slight het, no audio heard. Possibly Congo & Demin as both are noted signing off at 0100v on SS. (McNeil, DC)

1475 ENGLAND, CBS, has a 100 watt transmitter here, a "Community Radio Service," which is mobile, visits carnivals, etc. (JBU, 3/78)

1475 ? LIB, station here w/test tones off & on 0425, 10/4. Surprisingly strong 0417, 10/3 again w/test tone. Anyone else hear this one lately? (Eckman, PA)
+In fact most of carriers but no dominant station 2302, 12/22. (Connolly, MA)

+Another carrier noted here 2227, 12/31. Had a TA but am unable to get much audio from low carrier. (Eckman, PA)

1475 LIB, 100 watt carrier at 041500, 10/4, here. (JBU, 3/15)

1475 LIB, 100 watt carrier, poor ID in 0/20 on measured 1492.9997; sign-off after 0417. (Eckman, PA)
+Initially the one here w/ID in unknown language briefly around 2204, 1/8 w/ID signal. FF female favorable to Africa at one time. (Eckman, PA)
+0417, 10/3 carrier w/ID signal. Very strong sign-off 2400 w/MA. (Eckman, PA)

1475 ? LIB, station w/good carrier quite weak 0425, 10/8. No chance of ID at this time. (Eckman, PA)
+Also heard mx, then none in 0435, 4/3; no ID discerned at 0600; signal seemed to loop towards Africa at 1:15c when 1407 was loud. European TA's generally absent. Ivory Coast suspected per Bill Bailey's logging of it. (Connolly, MA)

1475 BURUNDI, station, like w/plane interval signal 0500, 10/9 well atop channel 0417 (?) presumably from Zaire. (Eckman, PA)
+Good interval signal 2100, 11/11. Was much more reliable last season. (JBU, 3/8)

1475 BURUNDI, station in slavic-type language 0417, 10/9. Caught what seemed to be a 100 watt carrier of their plane interval signal but not positive. (Eckman, PA)
+1/2 0417 w/plane interval signal above low rumble. Good 0529, 1/2 w/ID signal, mx in SS. Tentatively noted several evenings around 0417, female & female alternating 2:15 12/30-1/3. (Eckman, PA)

1475 SPAIN, Spanish broadcaster on w/SS operatic female vocal in amongst a mass of carriers 0408, 4/1. (Connolly, MA)

1475 ? CONGO, Lele, no fair, poor weak interference briefly surfacing w/ID & none in 0435, 10/31. Have on tape. Am almost certain it's Togo. Anyone else hear it? (Dunn, MS)

1520 GRAND BAY ALG, BBC R. Nottingham, 8/5 0500 sign-off "Radio a go-go," local program. (Arctic)

1525 CHINA, Urungqi, 2140-2150, 1/27 women interspersed w/sing-song mx w/flute & drums. Sign-off w/"Internationale" 2150, carrier immediately off. (Dunn, MS)

1525 ? LIB, China or USSR, strong net against Vatican at LSS (1213z) most nights in 8/77. TRF selectivity not sufficient to raise audio. (Connolly, Ireland)
+At least 2 stations around 1525 2230, 12/2 causing SAM('s). No audio from either but similar c's have brought Urungqi in before. (Eckman, PA)
+Undid foreign language from 2350-2335, just after SS, not SS, FF, PP, or GG languages I recognize. Very poor but I have it on tape. (Curtis, VT)
(Sounds like Urungqi, China which is widely heard on the East Coast around that time w/RR language program--ed.)

- 1529 t VATICAN CITY, 2352 in loud het w/1530, religious mx & woman w/language talk coming through 9/8. (McNeill, DC)
 +Xlnt 2335, 9/5 w/light mx. Holding its own easily against then weak WCKY. (Eckman, PA)
 +Xlnt w/familiar interval signal being repeated 0058, 10/8. No problems from WCKY. (Eckman, PA)
 +Audio not readable w/1530 slop & het 2115, bell chimes & interval signal def heard 11/11. Last season much stronger much sooner. (Dunn, NS)
 +Very strong 2258, 12/2 seemingly w/ID in II. Light mx after 2300. Better than WCKY at the time. (Eckman, PA)
 t +Strong het on mediocre-strength WCKY; WPTR-1540 buckshot too much for audio extraction 2215, 12/20. (Connelly, MA)
 +2132, 1/27 fair-poor w/WPHO-1530 interference. Woman in II w/nx (?). (Dunn, NS)
 +Poor-fair w/cl mx 2255, 2/22. WCKY on 1530 was actually weaker. (Connelly, MA)
 +Very good w/cl mx, weaker 1530 just a feeble het 2258-2300, 2/28. (Connelly, MA)
 +Strong (better than WCKY) w/choral mx resembling part of Handel's Messiah; some WPTR slop 2344, 3/10. (Connelly, MA)
- 1538 WEST GERMANY, Neumünster, DLF surprisingly consistent around sunset w/very noticeable het against WPTR-1540. Carrier, occasional light mx, detectable w/mechanical filters. (Eckman, PA)
 +Good but fluttery signal 2230, 12/2. Xlnt w/woman 0157, 12/3. (Eckman, PA)
 +Fair-xlnt 0125-0315+, 1/5. Could not determine if //1268. (Eckman, PA)
 +2142, 1/29 strong clear signal w/soft-spoken male GG. (Dunn, NS)
 +Relatively early 2145, very strong w/pop mx & female ancr 2/6. (Dunn, NS)
 +Assumed w/potent het against 1540 stations 0244, 2/22. Brief bits of audio were heard but nothing that was definitely GG. (Eckman, PA)
- 1546 ? GREAT BRITAIN, Capital Radio (??), pop mx w/def EE ancr. Must be Capital R. but bold audio spikes from WPTR (!) prevented anything further 2045, 11/11. (Dunn, NS)
- 1546 USSR, Vinnitsa, invisible signal (!), open carrier only until 2130, 1/29 when clear R. Moscow Foreign Service interval signal heard. (Dunn, NS)
 +2215, 2/2 light cl mx, then EE commentary by male & female; Foreign Service interval signal 2230; 6 Hz SAH; 24 dB over noise. (Bailey, MA)
 +Open carrier & strong 2105, 2138 heard R. Moscow Foreign Service interval signal, 2/9. (Dunn, NS)
- 1546 ? UNID, fair carrier w/flutter around 2230, 12/2. Reminds me of Vinnitsa but I haven't heard that in nearly two years. (Eckman, PA)
- 1554 FRANCE, Nice, 0510, 10/11 talk by man in AA or Turkish (maybe both according to sked), at 0528 was a selection of Turkish mx, weak w/little interference. (McClenaghan, ON)
 +Fair w/opera & something under (Gabor?), 1924, 11/9. (Dunn, NS)
 +Assumed w/man seemingly in FF 2232, 12/2. Easily separable from then weak Cayman-1555. (Eckman, PA)
 +French Culture 0625, 12/26 light mx, then "Revue de la Presse," talk about "L'hypocrisie...l'intolerance" then popcorn mx; good also 0715 w/talk about God (Dieu) phone 248-75-60; 12/28 was louder than KKAAs at 0700. (Beauregard, GU)
 +Strong w/woman in FF 0626, 12/26. Still in 0748 but considerably weaker. (Eckman, PA)
 +Poor w/man in FF, interference from WQXR 2153, 1/2. (Connelly, MA)
 +Weak w/man in FF, het from 1555 open carrier 0445, 1/28. (Connelly, MA)
 +In w/occasional audio coming through slop; me, then woman in FF 2254, 2/22. (Connelly, MA)
 +Poor w/symphonic mx at weak modulation level, barely battling off WPTR buckshot 2302, 2/28. (Connelly, MA)
 +Through CBE cl nx slop; talk by woman & man 0152, 3/19. (Connelly, MA)
- 1554 GABON, Libreville, drums w/native mx w/group chanting & wailing. No sign of France (Nice) 2036, 10/27. (Dunn, NS)
- 1554 ? UNID, definite carrier separable from Cayman 0201, 12/3. Has Nice been signing on early? Nice here at 0500 w/xlnt signal. (Eckman, PA)
 +Carrier here 0155-0300+ separable from Cayman but no audio discernable. France or something else? (Eckman, PA)
- 1562 t INTERNATIONAL WATERS, R. li Amigo, rock mx poor-fair 0621, 12/26. (Connelly, MA) (Note: This station has since changed frequency--ed.)
- 1562 SWITZERLAND, Beromunster, GG male w/nx, good signal 2109, 11/11. First time this year, often last year. (Dunn, NS)
 +Xlnt w/mx, talk 2231-2300+, 12/2. No problems from WQXR-1560. Unusual at SSS. (Eckman, PA)
 +Good after WQXR sign-off, 12/13. GG talk 0635, then woman sang in EE "Everything is Beautiful." (Feltman, PA)
 +In w/interval signal, sign-on w/man & woman in GG, fair atop SAH, WQXR off 0600, 1/29. (Connelly, MA)
 +2135, 1/29 good signal, play in GG w/unid FF station also (?). (Dunn, NS)
- 1567 a? UNID, fair-good carrier noted 0235-0240, 1/5 w/talk sounding like AA. Not a TA frequency & have not noticed anything listed in WRPH for this frequency. (Eckman, PA)

- 1572 ? UNID, def GG language, sounded like nx, 2112 much 1570 slop. 1572 is not a "Standard" frequency. Def GG, any thoughts? 11/11. (Dunn, NS)
- 1573 ● ? UNID, looking for Africa at some of the recently reported high frequency spots, found an E-V carrier smuggled up to XERF-1570 0256-0350, 12/4. Nothing on 1575. No audio ever appeared except the commercial-hysterical religion from Mexico. Direction was definitely eastern, although no African is on this frequency as far as we know. (Martin, CO)
- 1575 ? UNID, Gabon or Drhoney, sounded like R. Makambu, mention of Libreville, I'm sure I heard a mention of Echouey. "R. Makambu" ID on tape. African nx (IF). No listing that makes sense. Any ideas? 2115, 10/31. (Dunn, NS)
- 1578 t ITALY, suppose this with II talk & nx (was not PP or SS but II) weak with CWL: sion 0630, 12/26. (Beauregard, GU)
- 1578 BOLIVIAN, Porto, nx commentary w/fair signal w/interference (Italy?) once 2000, 11/8. Pop nx actually stronger than 1536 1925, 11/10. (Dunn, NS)
- +0001, 1/27 strong, a regular. Male nxer w/easy listening nx. (Dunn, NS)
- +Violin nx 0604 0609 in PP (seemingly) good at 0552, 1/28. (Connolly, MA)
- +Africa first LU heard w/1536 in 2nd 2136, 2/8 w/cl nx. (Dunn, NS)
- +Good on peaks over CWL also; PP folk-rock w/long 3 women duet (resembling Gilbert & Sullivan operetta) 0611, 4/2. (Connolly, MA)
- 1579 ● UNID, still looking for Africa, found an E-V carrier on this TA frequency during the time as I was checking out the 1575 carrier (above). Again, heard nothing but the carrier. (Martin, CO)
- +Portugal/Italy susceptor; heard then talk by woman over 2nd station, both air 019, 1/28. (Connolly, MA)
- +Def talk station noted, possibly Portugal, 204, 1/1. (Connolly, MA)
- +Carrier noted during opening which was African only; lots of talk occasionally. Heard 0001, 2/1. Every time a reduce possibility. (Connolly, MA)
- +Portugal or an African heard on a 15-110000 Hz carrier; heard rec, then 0001-0002 talk. 007, 4/26. (Connolly, MA)
- 1580 UNID, "And a Popular Level" clearly on tape. About 15 minutes of well recorded traditional w/1570-0001/0011 1570 12 2102, then carrier off. PP not clear, & complete. A next surprise heard 10/27 & 10/31. In a bonanza. Any new leads on this station? Has anyone else heard it? 0050-2102, 10/31. (Dunn, NS)
- 1580 UNID, Lrt color, 0, to this peaks, suffer in deep fade: first 1580 1580 of a weak 110, 1/7. (Connolly, MA)
- +1580 good 0778, 1/15 0010, 1/10 w/typical 30 program. (Lekman, PA)
- +0001 0001 w/11 Hz 0000 0. Carriers noted tonight but no audio: 701, 7-9, 1-2, 1-2. 0/1. (Dunn, NS)
- +Good w/1570 tempo music; first audio evident 0210, 2/10. (Connolly, MA)
- +Good 0001 track w/1570 tempo. Female pop vocal 0610, 10/6. Superloud w/1570, 0, melissa, then about 1000 at higher level, mostly 1580 0520, 10/6. 0001 were confined to tempo re European music just as exclusively as local samples provided for band origin (1467 & 1468 the only high banders on 1580). (Connolly, MA)
- +The only high band European I could locate 0450, 10/11. Not sure there exists the carrier coming from the right direction. (Martin, CO)
- +0001, 10/11 men in GG, poor. (Curtis, VI)
- +0001 0001 talk w/1570 1040, 11/9. (Dunn, NS)
- +0001-0001 w/1570, heavy slop from compressed, distorted SS nx program on 0001-0001 2154, 11/10. (Connolly, MA)
- +0001 w/1570 version of "Jennifer Juniper" then talk in GG & choir singing 1000-0001, 11/24. Back w/nx & better signal 0510-0035. (Feltman, PA)
- +0001 w/1570 female vocal, then boogie jazz inst nx followed by us-tenno (funk 700-0730, 12/8. (Connolly, MA)
- +0001 w/1570 in GG giving road report, mentioned Buchen-Stuttgart autobahn 0430, 1/13. (Feltman, PA)
- +In w/1570 buster local-like signal; loud GG "over-nx" band nx 0610, 12/26. Very loud w/1570 operetta w/male & female vocalists 0733, 12/26. (Connolly, MA)
- +1570 w/1570 0022, 12/26. At local level 0555 w/man speaking. Traces still visible as late as 0846. (Feltman, PA)
- +0001 0001 - at Very good 12/26 w/CG nx, needle at -20 dB & more on S-meter 0615 nx, 0-20 talk. Heard "Polizei...Leader (or Lieder which means songs)" 0015 back to nx. Also good 12/28 w/ID 0700 "Hier ist Westdeutscher Rundfunk: 0001 dorddeutscher Rundfunk" & 12/29 I listened to MDR as I would a local. (Beauregard, GU)
- +0001 0730, 12/26 w/nx in GG 0700, easy listening nx. Signal ranged from 0001 copy to a hot under WARR. My first P, to date, only TA. (Brooker, GU)
- +Very good 0615-0650, 12/28 w/1570 nx, GG talk by female. Hardly any WARR close at all until 0650 when signal weakened. (Lazar, WI)
- +Strong most nights after 0500, 12/30-1/3. Good signal 2121, 1/2 w/man in GG--quite early; usually not in until after about 2300 most nights. (Lekman, PA)
- +Good w/1570 male vocal like Gordon Lightfoot song 0315, 12/31. GG talk w/wild up & down fading over 30 dB range, faint signal on peaks 0722, 1/2. Most high end TA's have been lousy lately, but this one has remained good this winter. (Everitt, OK)
- +Weak w/1570 song (Fals comme l'oiseau) 0410, 1/7, 0415 male nx in GG. This is surely the easiest European to catch. (Beauregard, GU)

- +Fair w/GG male vocal of a popular movie theme 2226, 1/18. Fair w/jazz 2323, 1/20. (Connelly, MA)
- +0555, 1/21 in GG w/orch mx & female chor. Rx at 0600. Inaudible to fair, unstable w/1500 sloop. (Beauregard, QJ)
- +Good 0242-0445+, 2/22. ID 0300 by MDR followed by mx. (Lickman, PA)
- +To good peaks w/male operatic vocal, then man in GG 0210, 3/16. Most common TA's were audible at the time, but most of the above average domestic sloop levels with which to contend. MDR fair w/flutter fading; man in GG heard 0004, 3/17. (Connelly, MA)
- +Pushing through bad MDR sloop, religious sounding choral mx noted 0519, 3/19. (Connelly, MA)
- +0050-0110, 4/4 man in GG w/mx & inst mx. Signal fair-great peaking at 0100 for one beautiful ID. TA #1. (Steadman, WI)
- 1500 ? UNIT, FF 2103, 10/31 rising from interference after Angola sign-off. Five minutes on tape. Nothing solid for hints toward ID. Upper Volta? Any thoughts Connelly? (Dunn, MS) (WRTM lists Upper Volta in FF at this time. Mike also mentioned that he has tapes of this & 1502 if anyone wants to try to ID them--ed.)
- 1594 FRANCE, Montbeller, now 10 kw. Also on the frequency re Hines and Toulon, both 1 kw. (JZBTT)
- 1594 POTYBICAL, Lisbon, stronger than 1586 1324, 11/9. Soft rock w/male chor. (Dunn, MS)
- +0037, 1/27 chirp-see, male chor w/orch-see mx & songs. (Dunn, MS)
- +004 strong but clear 3054, 2/8. Pop mx w/commercial style program. (Dunn, MS)
- In like a cheap w/soft jazz 0410, 4/2. This TA opening was unusual in that it was very specific: only IBERIC-IBERIAN peninsula stations came through. These were incl. Iberon or Iber usual. Northern European notes--housed like 1414 & 1506 could not be heard & the normal low-brass Iberians like 710 & 737 were not to be found either. (Connelly, MA)
- 1594 ? UNIT, Portugal or British local possible; female vocal in & out of noise and frequent channel chatter 0735, 12/20. (Connelly, MA)
- 1600 UNIT, Bremen, LR good 0320, 8/15 w/light mx similar to MDR. (Dunn, MS)
- +Jargon w/typical program: 1st 0320, 10/9. MDR consistently weaker at the time. (Lickman, PA)
- +CC male chor into MDR 1230, poor signal 11/9. (Dunn, MS)
- +soft inst mx, then women spoke in GG 0430, 12/13. (Feltman, PA)
- +Jargon w/mx 0410, 12/13. Audible about 0607 chat date. (Lickman, PA)
- +Good MDR in GG 0201, 1/9. Sounds strong as other Germans this evening. (Lickman, PA)
- +2110, 1/20 w/chor, usual strong signal. (Dunn, MS)
- +Fair w/ MDR, MDR off 0450, 4/8. (Connelly, MA)
- +Fair w/some audio discernible at times 0243, 2/22. Mostly a strong hit against MDR-1400. (Lickman, PA)
- 1602 ? UNIT, a signal noted here w/talk, so much weaker than 1500 that I have to suspect that Munich-1602 was off & weaker 1602 occupants were being heard; reception at 0730, 12/20. MDR off. (Connelly, MA)

ALBANIA. Propozina is reported to use 648 kHz with power up to 300 kw. (RWH, 11/77)
The three main stations have settled down: Korya-968, 0.2 kw; Gjrokastër-1295, 15 kw; Shkoder-1309, 15 kw. (Arctic, 4/7)

ALGERIA. The transmitter on 1142 is now a separate one from that on 890 with FF service. The 890 channel is now in EE at 1900 UT, SS at 2000, and at 2100 the "Voice of the Free Canary Islands" in SS. This replaces 251 kHz which now has FF Domestic Service. The Voice of the Free Sahara is now on 2300-0000 or 575 (ex 251 and 890). (RWH, 9/77, 12/77, 1/78)

French Domestic Service now signs off 0003 on 890 kHz. Program "Voice of the Chilean Resistance" in SS at 0003-0030. Summer time is in use from early March, so services may be one hour earlier. On 557 is the "Voice of the Free Sahara" in AA, FF, and SS at 2100-2200. (RWH, 3/78)

La Voz del la Resistencia del Pueblo Chileno (Voice of the Resistance of the People of Chile) has been heard carried by R. Algiers in SS, between 0000-0030, on 890. (SCDX)

ANGOLA. R. Luanda reports that the Angolan government has nationalized the nation's Catholic Broadcasting Service, i.e., Radio Ecclesia, and has declared a government monopoly on all news media. (Arctic, 2/78)

AUSTRIA. Oesterreich Regional is now on VHF only. A check on MW shows call Oesterreich Eins / with interval signal of National A theme on 584--Wien 1, Oesterreich Regional Call with Rosamunde Ballet Music interval signal on Dobl 1 and Wien 2 1025 and 1475. Program from the three outlets are in parallel. News programs, also in parallel, preceded by AA interval signal and call Oesterreich Rundfunk. (RWH, 12/77)

AZORES. Santa Maria on 1570 noted signing off 0100 with Portuguese anthem. (RWH, 12/77)

BAUCLADISH. A new 20 kw transmitter at Sylhet is due soon; two 100 kw transmitters at Dhulna (550 kHz) and Chittagong (873 kHz) and one at Rajshahi on 846 kHz are due. (RNM). (Frequencies given are 1978 frequencies.)

CAMBODIA. New is Bafoussam, 1448 kHz, with 20 kw. No further info available. New is R. Caroua, 1260 kHz, with 20 kw and probably in parallel with SW stations of the same name. (RNM, 11/77)

CHANNEL ISLANDS. Projects for commercial radio have, it seems, been dropped; this is an about-face. It seems likely that the BBC will move in according to Ken Toms. Frequencies which are allocated in the Geneva Plan are Guernsey, Les Yvilllets on 1116, with 0.5 kw, and Jersey La Chasse on 1026 with 1 kw. (RNM, 11/77)

CYPRUS. Radio Bayrak broadcasts on 1095 and 6118.5 (announce 6150) in Turkish, Greek, and EE programs which are on 1465 (1500 announced). Radio Gazibulat broadcasts from Famagusta on 1362 in Turkish. (NZDXT)

CZECHOSLOVAKIA. Radio Hradiste on 1070 //1232 is new and signs on at 0330. (RNM, 11/77)

1232 is off, including carrier, the second Tuesday. From 0100-0230. (RNM, 11/77)
This station is now 400 kw. Later info changed silent period to 0105-0330 Tuesdays. Longwave transmitter at Topolna on 272 kHz with 1500 kw is due June 1. A new 600 kw transmitter in Kosice Gliciste on 1520 operates 24 hours. Silent the last Wednesday of the month. (RNM, 2/78)

DARWIN ISLANDS. Has an allocation for a 300 kw transmitter "around 600 kHz" in the new plan; they are thinking of using it for commercial service on the lines of Luxembourg, but this has to be debated in Paris and first. (RNM, 9/77)

FINLAND. Radio Finland has started a daily news service in EE at 2015 on 557 and 907 kHz. Features in EE can be heard after the news on Thurs., Fri. and Sat. (SCDX)

FRANCE. There has been some confusion caused by the changes in Autumn, 1976 and later: Nice/FRANCE-1349 (ex 1594) with 200 kw, 24 hours and Paris/FRANCE-1349 (ex 1241) with 100 kw (these stations not shown in parallel); Paris/CULTURE-674 is ex IMPER and with 600 kw on 12/3/77, possibly with directional antennas; Paris/CULTURE-303 with 300 kw on 1026 24 hours; Nice/CULTURE-155 (ex 1349) with 100 kw and not 24 hours. (RNM, 2/78)

FRANCE, cont. 01-300 is now airing the AMB Night Program. The DDB SDD 0300-2315 all frequencies might program 2315-0259 Sat./Sun. all channels. Gen./Fri. on 185, 111, 692 (Gen., 691), WLF (not Thurs.), and 1730. Schwerin-311 on Mon./Fri. 0500-1100 and Berlin-1594-022 on 0715-1100. RDR is 24 hours (except Fri.) on 602, 622, and 1043. All stations are off Tues. 0700-1040 (excluding Berlin-597 and Leipzig-575). BRP 01-2300 Berlin-720 relays Radio 1 night program daily 0700-0245. Sunday relay RDR 1 on all frequencies; all off Mon. 0645-1100 (except Potsdam-56) which is off Sat./Sun. 0730-1100 on its own program on Rad. 040-0730, Gen./Thurs./Fri. 0405-0700 and Radio 1-0405-0700. (RNM, 9/77)

FRANCE, cont. Radio Vols programs: P.O. on 3851-P, Moskva. Programs on program Mon., Tues., Wed., Fri., and Sat. 0300-2150. Thurs. 1730-2000 and Sat. 1030-1300. (Arctic, 2/78)
RDR is on broadcast on 5.7 and 10.1 on 5/1/77 from 0900-2000. (NZDXT, 4/78)
The Leipzig 1 is on 2/15-17. Ddb Gessowelle-329 was on from early morning until 1900. (Arctic, 7/78)

Gen./Sat., Berlin-600, is on the air again, on Tues. and Thurs. between 2115 and 2145 with pre-recorded program in Russian. (Arctic, 3/10)

GERMANY, cont. Beginning June 1, Deutsche Rundfunk, Cologne, tested on 719 kHz, AMI and to the station at the Geneva Conference. The tests continued daily 0500-1730 until Sept. 30. The power is 200 kw from Langenburg, and the program is the 2nd program, except it was not only on Fri. (SCDX)

Langenburg-1592 is soon due to leave the air. Langenburg-1536 has been 400 kw day and 800 kw nights since 10/1. RDR is to introduce a 4th network soon on all RDR SW stations which RDR/EE-1 will change to VHF Fri. Radio Bremen moved to 935 from 1079 in early October. (RNM, 11/77)

EE-AM Berlin is now on 1106 ex 935 and RDR Bernburg is now on 1430 ex 1385. (RNM, 12/77)

Regarding the above note about VHF, it is reported now that the 4th network will be on VHF only; RDR with 100 kw will stay on EE. DLF on 1528 and 1263 on Sun. in English 1800-1930; weekdays unchanged 1840-1930 on 1263. (RNM, 1/78)
Dresden-140 kHz and the East German on 195 kHz have moved co-channel to 182 kHz on Jan. 29, 1978, but both reverted to their original frequencies on the 12th of Jan. Perhaps they were testing the co-channel. (RNM)

AFN Frankfurt is uni-directional during the following hours: Jan. 0800-1500; Feb. 0800-1500; March 0700-1700; April 0600-1500; May 0800-1500; June 0400-1800; July 0400-1800; Aug. 0500-1800; Sept. 0600-1700; Oct. 0700-1500; Nov. 0800-1600; Dec. 0800-1500. They are always off the air for 1 minute when they change the antenna pattern, e.g., from 0759-0800 and 1559-1600. (Arctic, 2/78)
Brennerhaven-335 has increased power to 5 kw. Bremen is still 100 kw. (Arctic, 3/10)

GREAT BRITAIN. The changes which will occur on November 23, 1978 are as follows: BBC Radio 1 to 1053 and 1089 from 1214; Radio 2 to 693 and 900 from 800; Radio 3 to 1215 from 647; Radio 4 to 200 and 227 from 692, 908 and 1052; BBC Radio Leicester to 1584 from 1594; BBC Radio Solent to 1359 from 1594; Capital Radio London, Radio City, Liverpool, Radio Forth, Edinburgh, and Radio Hallam, Sheffield--all to 1548 from 1546; Manx Radio on the Isle of Man to 1368 from 1295. (SCDX)
BBC Radio Europe is expected to be on the air before the end of 1978 with News and Current Affairs in EE, GG, and FF 3 times daily. The first outlet should be 648 kHz. Orfordness 150 kw is assigned here, but is expected to increase to 500 kw to counteract the 300 kw Albanian. (NZDXT)

Live broadcasts from Parliament were due to start before the end of the year. Parliament has proposed closing down all overseas broadcasting from 2000-0400. All European language broadcasts except those to Communist Europe would cease, as well as broadcasts to Australia, New Zealand, Canada, the U.S., Japan, and Burma with a 50% cut in Arabic and Spanish to Latin America.

IBA's powers to extend contracts for its stations will end on 3/31/79. Plymouth Sound, Radio Tees and Radio Trent have had their contracts renewed. BBC has plans for a total of 47 new sites.

Additional changes effective 11/23/78 will include low powered relays in Tynside-603, Northern Ireland-720, Aberdeen-1449, and Dundee, Edinburgh, Glasgow, and Carlisle all on 1485, Radio Scotland-810, Radio Wales-882, and Radio Ulster-1341. External services will use 646 and 1296. Most local radio stations will add 1 kHz to their frequencies; those on 1546 will move to 1548. Radio Solent Bournemouth relay will be on 1593 and Radio Leicester on 1584. Radio 4 South West Plymouth will be on 855 and Torquay on 1458. (MWN, 9/77, 11/77, 12/77)

G9BOS-953 will be on the air testing during the spring. Has been airing since January, 1978. A QSL is possible. (Arctic, 2/78)

Radio Pennine changed a loss of £ 88,000 in its first year of operation into a profit of £ 36,000 for 1977. As of March 1, Radio Tees will be on a 24 hour schedule. (MWN) A new station, Radio Taunton, Somerset, began on 2/23/78 on 1340 kHz with flood warnings. Lots of interference in Sweden from BBC and Hungary. (Arctic, 2/78)

New IIR stations could be on the air before the end of 1979 if the government White Paper approves the IBA plan for radio organization. Locations quoted are Peterborough, Coventry, Cardiff, and Londonderry plus two others; one in W.E. Scotland (Dundee, Perth, or Aberdeen) and the other in Gloucestershire (Cheltenham or Gloucester). The IBA has received over 200 serious inquiries about stations on new frequencies. Next stage is to look at possibilities for Fyde of Lancashire, Worthampton, Luton, Huddersfield, Southend, Bournemouth, and Exeter or Torquay.

LBC-1151 London resumed 24 hour schedule on 2/21. Swansea Sound-1169 is now off Mon.-Fri. at 0100. As of 3/5, Beacon Radio-989 is on 24 hour schedule for a period of 9 weeks. (MWN, 3/78)

A large number of "Free Radio" stations have been set up. These are unlicensed operations. The use of the term "Free Independent Radio" seems to be an indication that those who campaign for free radio are dissatisfied with the commercial stations presently set up in England. Basically, free radio means freedom from restrictions. Prosecutions have resulted in fines ranging from £ 100 to £ 800. (MWN, 3/78) BBC external services will move to 647 when they lose 1088 in November. BBC R. Scotland, R. Wales, the Welsh language R. Cymru, and R. Ulster will remain on the same frequencies. (SCDX)

BBC Radio Oxford has gone commercial as of 4/1; now is Independent Radio Oxford, 500 watts on 1464. Address: Radio Oxford, 242/254 Banbury Rd., Oxford OX2 7BW, England. (SCDX)

Beacon Radio bergen 24 hour broadcasting on 2/27 for a 9 week trial period, on 989.

Radio Tees is broadcasting 24 hours from 3/1.

Radio Hallam-1546 is experimenting with 24 hour broadcasting for 6 weeks starting 3/24. (Arctic, 3/10, 4/7)

GREECE. YENED's main transmitter is Athens-980 using 200 kw between 0545-0200 (Sat. 0300) Greek time. YENED-1178 Thessaloniki uses 50 kw 0545-0100 Greek time. All others are on the air 0545-1500 and 1700-2400 Greek time. Eighty per-cent of the programs transmitted on local stations are produced in Athens. (Arctic, 3/10) Korkira, Corfu-1007 has been heard at sign-on 0430 Sun. only as R. Beograd. Relays EPT1 to 0530 (from Athens); ID as Radio Stathmos. (MWN, 12/77)

INTERNATIONAL WATERS. Radio Caroline has been observed on approximately 961 kHz, from previous 855 kHz, which had been in use since March, 1977. (SCDX, 7/77)

The Voice of Peace has moved to 1538 kHz from 1540 kHz and has increased power to 80 kw. Address for QSL is: Voice of Peace, Box 4399, Tel Aviv, Israel. (SCDX, 10/77)

R. Caroline is using 940 kHz (10 kw) 24 hrs in English. R. Mi Amigo is using 1412 kHz (50 kw) 0500-1800 UTC in Dutch plus test transmissions at 1800-2000 UTC. Address is Playa de Aro, Provincia Gerona, Spain. The transmitters are on board the M/V "Mi Amigo" anchored in the North Sea (R. Schluckebier, Germany). The Voice of Peace, aboard the M/V "Peace," is anchored in the Mediterranean between Cyprus, Israel and Egypt. (WRTH NL)

The frequency 962 kHz is shared by Radio Mi Amigo and Radio Caroline. There are conflicts as to exactly which hours each is on the air. According to one source, the contract between the Mbo II and the Libyan government has run out, and the station(s) will close down. (SCDX)

Radio Caroline is planning on moving from 962 (shared with Radio Mi Amigo) to an all-day EE service on 557 (the former Veronica frequency). The Voice of Peace on 1538 will cease operations on 2/28 because of a lack of advertising. (SCDX)

The vessel Mi Amigo, home of R. Caroline, is supposedly in bad shape. Listener donations are being sought for a new vessel. Galaxy, transmitter ship of R. London, is still moored in Hamburg harbor with 4 feet of water in the hull. (Arctic, 2/78)

The Voice of Peace has not shut down, but is broadcasting on 1538 and 6250 from 0400-2305 (-0100 Sat.). (SCDX)

Radio Mi Amigo on 962 has increased power to 80 kw from 50 kw. (SCDX)

Mbo II, broadcasting from Libyan waters, has definitely closed down. Hopes to be back on 1232, 1610, and 6205. (SCDX)

Radio Caroline is planning to move to 557 and changing to an all-EE service. As of 3/11, they were still on 962. (Arctic, 3/10)

IRAN. IDXCI reports an unlisted new Iranian on 605 from Farsi. JIROFT (?) reported on 917 about 1820 UTC //1188-Ahwaz is now on 1386 ex 1390; Kerman on 1062 about 1645 UTC is also //1188. (MWN)

NIRT on 1555 kHz has English news at 1830 UTC. (NZDXT)

The station formerly on 1325 is now on 1322 with 200 kw. (NZDXT)

Arbadil-1340 has moved to 1313. (NZDXT)

Teheran-1322 (ex 1325) now uses 200 kw. (MWN)

The station on 1008 seems to be Senoon. Tehran-1188 is now 300 kw. (Arctic, 2/78)
A new station has been heard in Japan around 1930 on 62E kHz (Arctic, 3/10)
HRTV from unknown location has been heard on 568 kHz in Farsi around 1900; Quazvin moving around? HRTV from unknown location has been heard about 0100 on 1566. Summer time, GMT +5, is now in effect. (Arctic, 4/7)

IRAQ. New station on 1922a with AA identification and news mixing with Czechoslovakia has been heard in India. (NZDX, 3/78)

IRELAND. Stations of Radio Telefis Eireann will change frequencies on November 23, 1978 as follows: Cork from 566 to 557; Tullamore from 1250 to 1182; Annagry from 1250 to 963; Cahirciveen from 962 to 828. (SCDX)

There are now two pirates in Dublin almost on full-time operation--Radio Dublin-1183 and ARD (Alternate Radio Dublin)-1159. ARD began a midday to midnight schedule on Jan. 16. They have found a loophole in the law and are now operating almost above the law, selling ads. RTE is very worried and has announced that there will be a local station in Dublin within two months from 0730-0200. Five top RTE DJ's are considering moving to these stations. Claims are that the pirates have up to 300,00 listeners. The London Daily Telegraph has reported that the Irish government will introduce legislation to close these two stations. RTE Radio Dublin will be on 1250 in March. ARD will take RTE to the High Court to try to end their monopoly of the air. (IRN)

RTE will soon establish a local station in Dublin to counteract the growth of pirate stations serving the city. The station is expected to be in operation within 2 months and will operate from 7:30 a.m. to 2:00 a.m. local time. A local station is also planned for the Shannon-Lisrick area. No frequencies were mentioned. The new station is being set up to stem the growth of advertising on Radio Dublin and Alternate Radio Dublin, two pirates which have hit advertising on RTE. (Irish Times, 1/16/78)
Alternate Radio Dublin-1160 and Radio Dublin-1183 both have power of 2 kw; on 12 hrs daily. R. Dublin's address: 3, Sarsfield Rd., Dublin 10. (Arctic, 3/10)

ISRAEL. IBAK Radio has big plans for next year when they change frequencies, including longer hours. Power is expected to be 5 kw. Current schedule is daily 0700-1700 on 1299 and Mon./Fri. 0700-2200, Sat. 0700-2030, and Sun. 0700-0000 on 1594. (IRN, 1/77)

ISRAEL. IBAK reported that the kibbutz movement has asked permission to set up a network of 4 local stations within the kibbutzin themselves to let the settlements know more about themselves and one another. (Arctic, 3/23)

JORDAN. 403 has 1406 kw, 2330-2330 in AA; on 850 with 10 kw from 0500-1830 in EE. (IRN, 1/78)

JORDAN. The outlets on 1133 and 1345 have switched to 1134 and 1341. 1345 is announced as the EE service. (IRN, 3/77)
The 529 station will move to 540 as soon as the new crystals arrive. (NZDX)

LEBANON. According to a letter, R. Lebanon will soon return to normal schedule: Program I (Arabic) on 336 kHz (100 kw), 0755-2330 UTC; Program II on 969 kHz (10 kw), with French 0500-0900, 1100-1430, 1700-2330; English 1430-1630 (Sun. 1700) UTC; Armenian 1630-1700. (WRTN HL, 1/77)
Voice of Lebanon-880 is now on 0555-2200. This station has commercials in Arabic. (Arctic, 2/78)

LESOTHO. Radio Lesotho is testing on 891 kHz. When on the air, this transmitter carries the home service and 899 kHz leaves the air. (SCDX, 7/77)
R. Lesotho is about to enter the field of external broadcasting. A Foreign Service is being planned, with funds provided by the British Overseas Development Ministry. High-powered domestic transmitters are also going to be installed. No indication whether these will be AM or VHF-FM. At present, R. Lesotho operates a 100 kw station on 891 and a low-powered repeater at Moleles Rock on 1196. (SCDX)

LIBYA. New station in Tripoli on 535 with 500 kw. Also in Sabha on 827 with 300 kw. (WRTN, 3/78)
Tripoli on 1402; Misuraba on 1443; Tripoli on 1456 (ex 1454). (Arctic, 2/78)
The Voice of the Arab Homeland in AA 1900-3115 is broadcast on 1484, 1250 and 1124 plus SW. (SCDX)

MALDIVES. RIES has recently installed 5 new transmitters: 3 Racals at 7.5 kw and 2 Ferronics at 30 kw. Schedule: on 1501 intended to be 1500 kHz ex 1507 kHz. (SCDX)
R. Maldives has been drifting up one down, but by early 1978 should be settled on 1500, since a new crystal has been ordered. (Arctic, 3/10)

MALTA. The State Network stopped the 18-hour EE service on 1/1/78 after 40 years. This included BBC news. (IRN, 1/78)

MAYOTTE. Mayotte, the remaining French island in the Comoros, now has a transmitter operated by France Region 3, on 1457 kHz. Programs are in French and local vernacular (R. Gimbey). (SCDX, 7/77)

MONGOLIA. With the assistance of the USSR, a large transmitter (100?) in Dalanzadgad is being built. This will improve reception in the Gobi desert area. (Arctic, 2/78)

MONACO. Jens Frost has visited TWR and their CE verifies that they are using 1200 kw on 701 beamed to Italy. (Arctic, 2/78)

MOZAMBIQUE. R. Mozambique's domestic "A" program in Portuguese is on 737 plus SW. (SCDX)

NIGERIA. Ogun State Broadcasting Corporation (OGBC) began broadcasting on June 12,

1976 with 10 kw on 945 kHz at Abeo Kuta and 10 kw on 602 kHz at Abafon.

NBC Enugu is on 827 now ex 1320. (Arctic, 2/78)

Five new MW stations have been authorized by NBC. They are located in the capitals of Bauchi, Benue, Gongola, Imo, and Niger. (Arctic, 2/78)

NBC Enugu is now on 827 ex 1320. Tola-1017 began tests on 2/16 0500-0800 and 1400-2000. (MWN, 3/78)

R. Oyo, Ibadan, on 656 uses more power than listed 10 kw. The station is now on external broadcasts and has been observed after 2400. Breaks suggest the transmitter is being tested. Oyo is also used in the form of call letters in many station jingles, Oh Why Oh! (SCDX)

NBC R. Yola is now on the air on 1017 with tests usually between 0600-0900 and 1500-2100. (Arctic, 3/10)

QATAR. The MW services of the BBC Eastern Relay Station at Masirah Island were closed on June 13, when a hurricane damaged the aerial system of the station. The towers for 700 and 701 kHz are down, and those for 1410 and 1412 kHz still stand, but the feeders to both aeriels are badly damaged. It is estimated that the service on 1410 and 1412 kHz will resume shortly, whereas the service on 700 and 701 kHz will be off for a longer duration. (SCDX, 8/77)

The BBC MW relay center was due to open again in January, with the SW transmitters returning between spring and mid-1976. It is reported that 1410/12 is back on the air as of February 2. (MWN)

The station on 1410 and 1412 is now back on the air; off for more than 6 months because of hurricane damage. (SCDX)

PAKISTAN. The new 1000 kw transmitter at Islamabad-585 tested from 5/5/77; same test noted in Japan on 525. Radio Pakistan Peshawar-540.5 began tests on 5/5/77. (MWN, 9/77)

POLAND. Katowice (Korzecin)-1079/1080 with 2 x 750 kw transmitters should be in operation by the end of 1977. (MWN, 12/77)

PORTUGAL. Faro-557 separates from Radiodifusao Portuguesa 1st network for its own regional program, apparently daily until 2000 when it relays RDP1 for the rest of the evening. From 1800 it is thought that the ID is RDP Sul. (MWN, 12/77)

R. Polo Norte-1460 is now heard by Jurkise. (Arctic, 2/78)

QATAR. "Greater Doha Project" are 2 x 750 kw MW transmitters which will begin broadcasting in June to the entire Middle East. Frequency not known. (Arctic, 3/23)

REUNION. FR3 is using 728 according to a recent QSL. Possible schedule: 0330-2000 weekdays. (Arctic, 4/7)

SENEGAL. A new unlisted regional from Senegal Peaks has been heard on 1224 (ex 1223). Programming seems to be in vernacular languages 2100-2200; FF from 2200 including relay of Dakar National News at 2215. (MWN, 12/77)

The new station, apparently in Dakar, on 1242 has now been heard in Europe. (Arctic, 2/78)

SOUTH AFRICA. Radio 5 with English and Afrikaans popular music service is now 24 hours on 701, 719, 728, 782, 800, 1115, and 1286. Between 2300-0400 the Night Service of RSA is broadcast. (MWN, 1/78)

SOUTH YEMEN. An announcement on Aden Radio stated that from 0730 on Nov. 28, 1977 it would broadcast on a new MW frequency of 1188 in addition to 755. Power on 1188 is 200 kw. (NZDXT)

SPAIN. La Voz de Vira has moved from 1133 to 1145 kHz. (NZDXT)
Radio Popular de Bilbao-1502, EAK13, known as La Voix d'Euskadi by the Basque nationalists, will increase its power so that it can be heard in Bordeaux. A daily broadcast of news will be in French and Basque. (Arctic, 2/78)

SRI LANKA. The MW station at Amparai was to have been on July 8, to be used for relay of the Sinhala and Tamil domestic services. Power of the transmitters, donated by the Federal Republic of Germany, is 20 kw each. The station will probably broadcast on 860 and 975 kHz. (SCDX, 7/77)

A 400 kw MW station to be used jointly by Trans World Radio and the Sri Lanka Broadcast Corporation, is currently under construction in the northwest part of the island. TWR will use the station for broadcasts to India in local languages, while the SLBC will use it to relay the Sinhala Channel 1 throughout Sri Lanka. (At last notification this was to be 890 kHz, but may be 891--ed.)

Test transmissions from TWR-Puttalam have not started yet. In 10 years the station will become the property of the Sri Lanka Broadcasting Corporation. The Ministry of Defense have given permission for Deutsche Welle to set up a relay station at Trincomalee; two 250 kw SW and one 100 kw MW transmitters. (SCDX)

The proposed Trans World Radio MW station at Puttalam will broadcast to India in local vernaculars since the law in Sri Lanka forbids anyone except the Sri Lanka Broadcasting Corporation to broadcast in English, Sinhala, or Tamil. However, SLBC will use its Sinhala Channel 1 programs. The 400 kw transmitter on 870 or 890 kHz is expected to be on the air by January, 1978. (SCDX)

A new station at Amparai was to be officially commissioned on 8/7 using two transmitters donated by West Germany to relay Sinhala and Tamil services. Frequency is expected to be 860 and 975 kHz. (NZDXT)

This apparently is already on, on 920 and 975 //4940 from 1100-1730. (NZDXT)

SWEDEN. Sundsvall-593, Osterson-719, Falun-1223 and Lulea-182 went off 4/1/78. Horby-1178 and Hotala-191 will be replaced by two new powerful stations on the same frequencies. Stations at Stockholm-773 and Gothenberg-980 will remain on the air but will carry the Foreign Service. (MWN)

TANZANIA. R. Tanzania's transmissions to East, Central, and South Africa 0330-0500 and 1530-1915 now on 9680, //15435 and 1025 kHz. (SCDX)

TRUKKY. The Voice of Cyprus at Anamur is now on 755 with 20 kw. (MWN, 11/77)

UGANDA. Uganda operates 0400-2210 on 908 (100 kw); 575 (100 kw); 638 (20 kw); 728 (100 kw); 809 (100 kw); 958 (50 kw); and 1160 (2 kw). (MWN, 3/78)

UNITED ARAB EMIRATES. Marconi has won a contract to supply two 750 kw transmitters to Dubai Radio and TV to expand their commercial services. (NZDXT)
Dubai is again using 1460 kHz. News in Arabic from 1930-1945, and 2110-2120. Signs off at 2130. (HZDXT)

According to the Qatar News Agency, the station in Sharjah will be integrated with the Voice of the United Arab Emirates in Abu Dhabi. Broadcasts from Sharjah will cease; the studios there will be turned into production centers for use by the state radio. (Arctic, 2/78)

U.S.S.R. A new Radio Moscow external services station is on 1142 kHz. Its schedule: German 1000-1700; Danish 1700-1730; Dutch 1730-1800; Radio Hinsk's External Service in Belorussian 1800-1830; Italian for Italian workers abroad 1830-1900; Dutch 1930-2000; English 2000-2030; Danish 2030-2100; English 2100-2200 and 2200-2230. (SCDX)
Radio Moscow in recent years has had a policy of verifying, at least for SW, only the date, time and frequency. In recent months, however, it has appeared that they have changed their verification policy to indicate transmitter sites on the cards. However, they will only verify reports written in the language of the transmission heard. (Arctic, 2/78)

A new Radio Moscow external service station is on 1142 from Jan. 1; in GG 1600; Danish 1700; Dutch 1730; Radio Hinsk's, Belorussian 1800; Italian 1830-1900; Dutch 1930; English 2000; Danish 2030; and English 2100-2230. (MWN)
Radio Moscow will use 1142 for all broadcasts to Great Britain and Ireland after Jan. 1. This means that they have either increased power or improved their antennas. (MWN, 12/77)

Uzbekistan. Radio Saransk-1061 has own programs 0410-0440, 0515-0545, 1215-1245 (Arctic, 2/78), 1400-1400. (Arctic, 2/78)
The "Soyuz" Office regional station on 281, ex 227 kHz, signs on at 0155. Local programs in Uzbekistan, Belorussian plus relay's from the Moscow domestic programs. The station is also broadcasting a new program called "Mesh al" ("Ism") between 0400-0740 and 1200-1500. The program originates in Tashkent. Format is similar to "Soyuz". The station is a new one and the schedule here will be extended shortly. (Arctic, 2/78)

0 615-47--local programming, Thur. 0615-0645 in GG; Wed. 0347-0501.
0 615-47--local programming Mon. 1600-1640; Tues., Wed., Thur., Fri. 0510-0540, 1600-1640; Sat. 0415-0700; Sun. 0310.
0 615-47--local programming Sat. 1100-1130 in GG.
0 615-47--local programming 0430 and 1500.
0 615-47--"S. Vantarnik bereg" 2330-0030 for seamen in the Baltic Sea.
0 615-47--local programming Sat. 1130-1130 in GG.
0 615-47--0500-0540, 0 615-0545 and 1600-1640.
0 615-47--local programming 0 55-2300.
(Arctic, 2/78)

WEST SAHARA. Radio Villa Cisneros, in the area controlled by Mauritania, has been renamed R. Sahara (992 kHz). The station relays Radio Mauritanie 1300-1355 and 1930-0000 UTC. Correspondence should be sent to R. Mauritanie, P.O. Box 200, Nouakchott. (SCDX, 10/77)

WEST. Samed has settled on 1196 kHz. Heard in Europe before VOA and USSR sign-ons. (Arctic, 4/77)

YUGOSLAVIA. R. Belgrade is now on a 24-hour schedule on 683 with 2000 kw day and 1000 kw night. Transmitter is off for maintenance Tuesday mornings 0005-0400. (Arctic, 4/77)

ZAIRE. Ed Baker reports Kinshasa frequency is 693 kHz with 600 kw. Schedule is 1300-0800 UTC. Antenna beam 90°. Reports to Office National des Postes et Telecommunications de Zaire, Kinshasa. (SCDX)
In Voice of Zaire had been noted at 0500 on 11720 in parallel with 692, 1448 and 7255. (SMI)



DAVID F. GLEASON · APARTADO A-57 · QUITO · ECUADOR

Owner - Manager of HCRM, Radio Musical, survey-proven number one in Quito. Station operates on 570 kilocycles with 5,000 watts and has a construction permit for 10,000 watts. With exception of language, the station is patterned after U. S. "Top 40" stations. Audience share is 55%, with the remaining 45% divided among the market's 31 other stations.

Pacific Loggings

- 530 t AUSTRALIA, Innisfail, 4KZ, 1400 10/29 w/6 pips, brief anmt by man, then Aussie anthem. Xlnt signal but local power pole that loops DU was also in well. No positive mention of ABC hrd. Do non-ABC stations ever use pips? (Tomer, CA) (Some do, but I'm not sure about the ones on this frequency. ed)
+Russel James advised in a letter that the above was 4KZ, not 6DL. 4KZ s/off is 1400 on Saturday, whereas 6DL doesn't s/off until 1602. S/off anthem is "Advantage Australia Fair". GSQ is only played on Royal and vice-Royal occasions.
- 530 AUSTRALIA, Kempsey, 2KM, fair-xlnt 1000-1030 3/23 w/rr mx, interviews, & DJ w/ thick DU accent. Frequent "2KM" voice & singing IDs. (Tomer, CA)
+Fair 1008 4/20 w/rr mx, spot for garage in Kempsey; becoming a regular lately. (Tomer, CA)
- 530 JAPAN, Morioka, JOQG, noted 1120 w/weird wailing, moaning, & chanting 9/5; still wailing 1137. (Bytheway, WA)
+Fair w/wailing & moaning 1144 9/5. IDed by checking for // w/JOQK-840. (Portzer, WA)
+Weak but steady 1205-1230 9/19 w/OM & YL in humorous conversation, JJ pop mx // to 780. (Tomer, CA)
+Good w/JJ rock mx 1335 10/7; NHK pips 1400. Fair w/quiet mx 1410-1435 10/23. (Tomer, CA)
+Fair 1359 10/29 in JJ. (Tomer, CA)
+Weak w/man in JJ 1033 11/14. (Tomer, CA)
+Fair-poor w/talk in JJ, all alone 1230 11/28. (Peterson, CA)
- 530 ? UNID, TP mixing w/JOQG 1240 11/10; YL in what sounded like KK. (Tomer, CA)
+2 carriers looping DU 1150 11/4; some audio sounding like EE, slow SAH. (Tomer, CA)
- 538 ? UNID, carrier looping DU, weak 1155 11/4. (Tomer, CA)
- 540 t AUSTRALIA, Longreach, 4QL, most likely the source of jazz mx 1055-1100; 6 pips 1100 but too weak & noisy to hear clear ABC ID. (Tomer, CA)
+Weak-fair w/religion, "ABC Radio" ID 1245 4/22. (Tomer, CA)
- 540 JAPAN, NHK1 synchros weak 1055 11/14 w/OM talking //530. (Tomer, CA)
- 542.3 ? UNID, carrier 1237 10/31 looping to N. Asia. Never hrd anything here before. (Peterson, CA) (There's supposed to be a Mongolian on 545 and a Russian weather station on 543. ed)
- 545 t MONGOLIA, suspected the light mx very good 1730 7/1. Not Hong Kong. No anmts. (N&ZDXT)
- 545 ? UNID, carrier looping TP 1320 9/17; no audio. (Tomer, CA)
+Weak TP carrier 1312 11/14; usually present on good TP mornings; no audio yet. (Tomer, CA)
- 548 USSR, Vladivostok, RSPSR, present as a het against 550 1023 9/5 w/occasional bits of audio. (Portzer, WA)
+Good carrier, fair audio, cl mx 1345 9/17. (Tomer, CA)
+Weak carrier 1328 10/7, 1322 10/8. No audio possible in KOAC-550 splash. (Hall-Patch, BC)
+Good carrier & well pronounced SAH 1340 10/7; must have been mixing w/ Svobodnyy. (Tomer, CA)
+Hetting 550 domestics & Dominica-545 1016 1/2. (Beverage, WA)
- 548 USSR, Majak pgm 3/26 in RR 1750 w/talks by man & inst mx. Either antenna switch or power reduction 1758 as suddenly weak vs otherwise very strong. (Hardester, Okinawa)
- 550 ALASKA, Anchorage, KENI, o/u QRM w/ID's between songs 0833 & 0839 11/7. (Bytheway, WA)
+1/1 0845 call letters, TC, into mx; poor through KMVI/CKPG. Hrd again 1/2 1013 call after rr mx, fair signal, KMVI off. (Beverage, WA)
- 550 t HAWAII, Wailuku, KMVI, noted 1010 12/13 w/TC "It's 10 after midnight". More likely HI than AK u/cx at this time. KARI nulled for this & channel very messy. (Hall-Patch, BC)
+Dominant w/AT-40 & PSA from Chief of Maui County Police 0340 1/1 w/no sign of usually dominant KOAC. (Beverage, WA)
+1000 1/9 got nice s/off anmt w/KMVI ID's. Fair u/KARI which is approximately 180° away from KMVI, so the loop was no use. (Hall-Patch, BC)
+At good level 1/29 o/KTSA w/popular mx 0815. (Allchin, New Zealand)
+Good 2/6 0942 w/ID. KOY off. (Seaver, CA)
+Fair 0800-0900 2/20 w/"Concert Hour" cl mx pgm. (Tomer, CA)

- 550 JAPAN, Naha, Okinawa, JOAP, w/ID & s/off anmt 1500 (midnight local) 3/23. First time noted w/local ID. Into 2 inst mx numbers & off. (Hardester, Okinawa)
- 550 SOUTH KOREA, Seoul, AFKN, ex-550, 1803 3/26 in EE w/man. Noted after USSR off/switched w/inst SSB (strange time as is 0300 Korea/Japan time), into AFKN nx rpt w/local wx & into canned pgm. Fair after USSR off. (Hardester, Okinawa)
- 560 ? UNID, Asian w/woman talking in KK, really blasting in 1445 2/24, totally wiping out KSPD until 1450. At 1500 the last 2 pips were hrd, the final one was elevated and of long duration, like KBS & NHK pips. Two low powered South Koreans listed. (Tomer, CA)
- 567 AUSTRALIA, Broken Hill, 23H, on this frequency lately. (NZDXT)
- 575 USSR, Khabarovsk, RSPSR, fair 1130 9/17 w/"Midnight in Moscow" IS, then YL talking in RR. Cl mx 1337 retune, good quality audio! (Tomer, CA)
 +Good carrier 1320 10/4. (Tomer, CA)
 +RR MOR singing, good 1356 10/5. (Tomer, CA)
 +Good carrier 1326 10/7. Man & woman talking, fair 1404 10/8. (Hall-Patch, BC)
 +Good w/piano mx 1340 10/7. Assumed source of weak mx 1342 10/22. (Tomer, CA)
 +Carrier audible 0940 10/10. Some audio 1045. Never good that MM. (Peterson, CA)
 +Very weak audio fading to nothing 1446 11/11. Snatches of man singing in KVI-570 splat. (Hall-Patch, BC)
 +Carrier & bits of mx through KFXD-580 slop 0950 1/2. (Beverage, WA)
- 580 TUVALU, Funafuti, dominating freq by 0745 w/Polynesian mx w/annts in native dialect. No sign of 50 kw 4QR-Brisbane. (Allchin, New Zealand)
- 584 USSR, Svobodnyy, RSPSR, briefly hrd w/fair sig 1315 8/30; had OM talking in CC. (Tomer, CA)
 +Noted w/just a carrier 0902 10/3, fair by 1055. (Peterson, CA)
 +Poor w/man in oriental language 1325 10/4. (Tomer, CA)
 +Strong carrier 1327 10/7; YL talking in CC 1357 10/8, good strength and readability. (Hall-Patch, BC)
 +Thru slop 10/9 1326 //647. Pgm in CC. (Kaskey, CA)
 +0943 10/10 w/CC pgm poor-fair but fairly steady. (Peterson, CA)
 +OM in CC 10/18 1415-16, big signal. (Williams, OR)
 +Weak at best in CC 1410 10/22. (Tomer, CA)
 +Weak 1443 11/11 w/man & woman talking. (Hall-Patch, BC)
 +Foreign Service in fair 1212 12/8 w/CC pgm. (Tomer, CA)
 +Het and/or carrier noted in passing at various times 1000-1400 1/2. (Beverage, WA)
 +1442 OM/YL in CC, brief Peace & Progress IS 1445, continued in CC 2/21. (Williams, OR)
 t +3/6 1314 fair carrier, no audio. 15 minutes earlier there was no sign of TPs, then stuff like this started turning up. Carriers on 782 & 785 also noted as well as usual powerhouses. (Hall-Patch, BC)
- 585 ? UNID, poor carrier noted here 1414 10/8 hetting USSR-584. Signal seemed to be coming from a more southerly bearing than 584. Indonesia? (Hall-Patch, BC)
 +Carrier, some talk, very weak, hetting 584 1407 10/22; probably the listed N. Korean. (Tomer, CA)
- 586 ? UNID, good carrier hetting 584 1344 10/7; possibly N. Korea. (Tomer, CA)
- 590 HAWAII, Honolulu, KGMB, always a certainty in NZ w/very good signals w/pop mx & many IDs. Hrd 0530 onwards. (Allchin, New Zealand)
- 615 CHINA, Heilongjiang, in fair-weak w/CC talk 1323 8/31. (Tomer, CA)
 +Poor w/CC singing 1335 10/4. (Tomer, CA)
 +1300 10/9 nil-fair in KGW-620 splash, 5 long low pips & 1 high on the hour. Preceded by oriental sounding wind mx followed by YL chat. (Hall-Patch, BC)
 +Weak w/YL in CC 1310 11/14. (Tomer, CA)
 +Good w/YL vocal mx & CC YL yakker 1148 1/2. (Beverage, WA)
- 620 HAWAII, Hilo, KIPA, a shocker here 0500 1/18 w/non-EE talk pgm, then "620 KIPA" at top of hour. Nuller KGW of course, but there was lots of dimmer switch noise. KIKI-830 in at this time but nothing spectacular. Has KIPA boosted to 5 kw? (Hall-Patch, BC)
 +Fair w/slow ID 0735 4/20, then faded u/KTAR. (Tomer, CA)
- 620 NIUE ISLAND, Alofi, ZKZLN, strong 1/30 but poor audio in EE w/local nx items 0646. (Allchin, New Zealand)
- 620 PHILIPPINES, Quezon City, DWWW, noted 3/21 1000-1025 w/Tagalog by man. Full ID on hour; spots for Miguel Beer, Marlboro, & Dutch Cleanser. Fair signal on 620.014 kHz. (Hardester, Okinawa)
- 625 NORTH KOREA, Haeju, weak w/man in KK 1350 9/17. (Tomer, CA)
 +10/30 1311 w/poor signal. (Kaskey, CA)
 +Weak w/talk 1307 11/14. (Tomer, CA)
 +Most likely, just a carrier 1412 11/17. (Tomer, CA)
- 630 ALASKA, Juneau, KJNO, ID & CBS nx 0800 10/7 o/u someone else who was also running CBS nx, w/about a 1/2 second time delay between the two (sure sounded weird) had Alaskan wx 0806 & tide reports 0810. (Bytheway, WA)

- 635 NORTH KOREA, Chongjin, good 1340 9/18, easily overpowering domestic sloopover.
Had man in JJ. (Tomer, CA)
- t +1252 10/9 good carrier w/bits of male talk, not //655. Didn't listen across hour as it faded down. IDed China on 615 instead. (Hall-Patch, BC)
+Assumed to be the weak signal w/talk 0950 10/10. (Peterson, CA)
+Fair carrier 1305 11/14. (Tomer, CA)
+Likely source of strong carrier, weak talk 1345 11/17. (Tomer, CA)
- 635 ? UNID, weak carrier looping TP heard briefly here 1110 9/5. Was too tired to stay up & see if it got stronger later on. (Hall-Patch, BC)
- 640 AUSTRALIA, Crystal Brook, 5CK, the probable source of Big Band mx covering Fiji 0954 1/9. 6 pips & ABC ID 1000, then rapid fadeout. (Tomer, CA)
- 640 t CHINA, location unkn, CC singing heard w/fair strength u/looped KFI 1410 10/7. (Tomer, CA)
- 640 FIJI, Lautoka, FBC, nil-xlnt 0920-0953 1/9, mainly w/man & woman in native language, occasionally fading up to much louder than Cuban. At 0950 had 2 bongos on a clock chime, short nxcast by YL in vernacular, R. Fiji ID 0952, then into island mx. Listed as R. Fiji One & was not //710 or 891. Lost to Australian 0954. (Tomer, CA)
- 645 CHINA, Beijing, fair-poor 1323-on in CC, separable from 647. (Kaskey, CA)
- 645 ? UNID, 1415 10/7 w/muffled talk by woman that sounded more like a Malaysian language than CC; possibly may have been Malaysia rather than the more likely Chinese outlet. (Tomer, CA)
- ? + Very weak carrier looping TP 1456 11/11. China possible. (Hall-Patch, BC)
- 647 USSR, Iman, RSPSR, YL in JJ(?) 1333 8/25, fair signal. (Tomer, CA)
+Fair w/YL talk 1204 9/5. Was not there 1025 even though 655, 665, et al were in. (Portzer, WA)
+1240 9/7, man & woman talking, nil-weak audio w/KFI-640 splash. (Hall-Patch, BC)
+Severe het only 9/6 1330; het 9/10 1238. No audio yet. (Kaskey, CA)
+Just a carrier 0907 10/3 but was pretty good by 1105. (Peterson, CA)
+Fair here w/what sounded like JJ 1340 10/4. (Tomer, CA)
+One million watts was able to run a pronounced het on low side of WSM-650 10/5 at various times 1050-1120. Am sure the het could have been hrd on any radio tuned to WSM in the Denver area for I found it while the loop was oriented N-S & while the capacitor was still set for reception on 790. When I returned, the het became very strong although the audio fragments from the Eastern Soviet could not really be separated from WSM & KHOW-630 sloop. A-index was 10 & cx seemed to be quite auroral for WNBC could not be detected at 1100 & had been missing all night. (Martin, CO)
+Good in CC 1328 10/5; clarinet IS 1330, then more CC. (Tomer, CA)
+Good carrier, fair audio w/KFI-640 sloop 1012 10/7. (Portzer, WA)
+Het 10/7 1220. Audio 10/8 in CC 1243. Poor. (Kaskey, CA)
+Poor w/singing 0953 10/10, better later. (Peterson, CA)
+Fair-poor w/YL talk in CC 1441 10/10. (Portzer, WA)
+10/31 0835 w/weak audio. Much poorer this season than last. (Kaskey, CA)
+Strong het on WSM-650 0903 11/10. At 0911-0915 hrd male & female voices alternating in probable nx show. A single pip on the quarter hour but may have come from WSM sloop. The blockbuster sig found here 10/5 hasn't been hrd again up to 11/13, although have noted the stn 5-6 times in the early hours. (Martin, CO)
+Fair in KK 1410 11/17. (Tomer, CA)
+Good w/man & woman in CC 1505 11/24. (Portzer, WA)
+Fair w/talk & KORL-650 sloop 0551 1/2. (Beverage, WA)
+Extremely weak w/talk in unid Oriental language 1255 2/6. (Tomer, CA)
+CC service 1510 through KORL sloop 2/18. (Williams, OR)
+3/6 1304, TP noted here w/PFM of 647002, 2 Hz error. Audio was just at noise level & often covered by KFI-640 sloop. First TP in quite a while. (Hall-Patch, BC)
- 647.5 ? UNID, something here hetting USSR-647 1244 10/9. Nulled in approx the same direction, but not a clue as to its origin. Does China jam this frequency? (Hall-Patch, BC)
- 648 ? UNID, 1451 11/24 weak carrier briefly here. Could be FEN which was to have moved here 11/23. (Hall-Patch, BC)
- 650 ALASKA, Anchorage, KYAK, assumed to be the c/w in KORL null 0924 9/5. (Portzer, WA)
t +Probably the one w/cw mx clearly in KORL null 10/3 0645. Unfortunately, while they were coming in w/average signals, they went from one song to the next w/o a word. By the time that song ended, they were unreadable u/KORL. At least I know they're possible now. (B. Hardy, WA)
+Weakly atop w/antenna pointed NW-SE 10/5 0851; cw mx o/WSM w/heavy KFI sloop. (Kaskey, CA)
+Presumed the one 1407 10/7 w/end of Mutual nx, then into wx which faded into murk. Nil-poor, had to null KORL & CBU/CKLG spur. (Hall-Patch, BC)
- 650 HAWAII, Honolulu, KORL, 9/3 1146 light rock mx & ID. Steady fair signal. (Hall-Patch, BC)
+Like a local 0720 9/5 w/rr. Rapid SAH (KYAK or Colombian in their null). (Portzer, WA)
+Good 9/6 1325. (Kaskey, CA)
+1329 9/23 great signal way o/CBU/CKLG spur w/faint salacious KORL T-shirt spot. YL demanded that young man "get your hands off my KORL T-Shirt". Audio not good enough to decipher the male's line. Just as well perhaps, hi.

- (Hall-Patch, BC)
- *Xlnt w/rock mx & frequent ads & IDs 0530 onwards. (Allchin, New Zealand)
 - *Apparently the one w/loud TTs various times after 1000 1/2 o/WSM. Had been good on RS before 1000. (Beverage, WA)
 - *Local quality 1024 1/23 w/rock mx, "Coral 65" ID, then "Instant Information" nx. (Portzer, WA)
 - *Local quality w/rock mx 1111 2/13, then ID "R. 65 in Paradise". Must have irregular MM SP as was noted Tting well before this time 1/2. (Portzer, WA)
 - +4/3 1115 w/rock mx. Lots of QRN. (Lobel, CA)
 - *Pegging the needle w/rock mx 0806 4/10; strong enough to cause S-9 slopover on 660! (Tomer, CA)
- 655
- NORTH KOREA, Pyongyang, KK drama, strong 1245 8/31. (Tomer, CA)
 - +Good w/male talk 1025 9/5. (Portzer, WA)
 - +Man & woman in Oriental language 1054 9/5, pips at 1100. (Bytheway, WA)
 - +1105 9/5 fair w/woman talking. Choral mx 1111. (Hall-Patch, BC)
 - +Poor thru KNBR slop 9/10 1235. I get a KNBR jam type signal on this freq blocking good reception of N. Korea. (Kaskey, CA)
 - +YL w/KK talk, then mx. Pips - - - on the hour, 1255-1300 10/4. (Bergman, CA)
 - *Surely the source of QRM noted in a YSS fade 1109 10/5. First time ever hrd although I have anticipated hearing such QRM on YSS in early morning for several years. (Martin, CO)
 - +Fair w/male operatic vocal 0925 10/6. Strong w/YL talking 1002 10/7. (Portzer, WA)
 - +Not hrd until 1050 10/10, then fair w/talk in KK rest of AM. (Peterson, CA)
 - +Weak w/male talk 1443 10/10. (Portzer, WA)
 - +Weak for a change 1340 10/22. (Tomer, CA)
 - +11/3 weak 1248; 12/6 fair-good 1258-1302. No pips on hour. (Kaskey, CA)
 - +Good w/man & woman in KK 1506 11/24. (Portzer, WA)
 - +Its usual obnoxiously strong self w/the proverbial emphatic KK talk 0815 12/1. (Portzer, WA)
 - +Very poor 1030 1/2. Could be mid-winter anomaly getting us again. A-index
 - +Very good w/talk 1312 1/2. (Beverage, WA)
 - +Fair 1105 2/9, man chatting in KK. Fair w/orch & KK talk 0903 2/15. (Tomer, CA)
 - +Poor-fair audio w/woman in KK 1310 3/6. (Hall-Patch, BC)
 - +Very weak male talk noted 1219 3/19. (Portzer, WA)
 - +Fair w/the KK YL 1315 3/24. (Tomer, CA)
- 660
- ALASKA, Fairbanks, KPAR, poor-fair 8/13 w/rock, Alaska wx 1030, then spot for 69.9C gasoline 1040. (Tomer, CA)
 - +Good w/American Top-40 pgm, ID, & wx for Fairbanks 0920 9/5. (Portzer, WA)
 - +Finally logged this one 0930 9/5. Had an ad for "Fairbanks Today" pgm on KPAR TV. Had been running American Top-40 w/nary an ID. Nil-fair o/nulled WNBC. Some QRN. (Hall-Patch, BC)
 - +1235 9/7 weak-fair w/rock & ID "KPAR, 24 hour radio" alone on channel. Second time received but not a pest yet. (Hall-Patch, BC)
 - +Almost a pest here. Boomed in on many occasions 10/3-10/9, e.g. 0929 10/7 w/rock mx. (Portzer, WA)
 - +10/5 w/rr 0802, election results 0803-0807, ID & time 0807. S-8 signal w/heavy KNBR splatter. Had a good signal til past 0930. (Kaskey, CA)
 - +Good through KBOI-670 slop w/rr 0715 10/6. (Portzer, WA)
 - +10/7 atop 1250; quite good 10/11 0900 also. (Kaskey, CA)
 - +Booming in 1318 10/8 w/"All night mx marathon" ID & Alaska TC. Played rock. (Hall-Patch, BC)
 - +10/9 1357 w/average sig but really hashed-up audio. However, strong enough to hear "KPAR" twice, "Fairbanks" once & Alaska TC. MOR mx. This was a SM so they evidently are AN at least Sat nights & maybe more. A former KPAR employee told me in 2/74 that KPAR had cut hours to 1600-1000, but this info is now obviously obsolete. (S. Hardy, WA) (One of the above tips mentions a "24 hour radio" ID. ed)
 - +Good w/rock mx & spot for a flying service 0725 11/3. (Portzer, WA)
 - +11/7 rr mx, fair thru TVI 0745; 11/8 fair-good w/heavy KNBR-680 splatter 0800-0815. (Kaskey, CA)
 - +Fighting Mexico w/rr 2336 11/7. (Portzer, WA)
 - +Noted o/XERPM 0550 11/7. Fair, telling about Seattle Seahawks games broadcast on KPAR & KPAR-TV-2. Earliest yet for this one. WNBC nulled. Hrd again 1356 11/6 w/ACN items. (Hall-Patch, BC)
 - +Rock mx, xint sig 1225 11/10. (Tomer, CA)
 - +Alaska TC & terp in Fairbanks 1446 11/20. Also 1504 11/24 weakish but neck & neck w/early morning TVI. T-40 & ID. (Hall-Patch, BC)
 - +12/6 1415 first Alaska hrd in a couple of years w/TC, cw, & ID. KFI-640 slop. (Pejza, CA)
 - +Believed to be the one atop WNBC w/spot for shoe store in the Northern Bldg. (an office bldg in downtown Fairbanks) 0821 1/1. (Beverage, WA)
 - +0825 fairly good sig, rock mx & IDs w/call letters "punched" out by ancr. Got about 5 minutes on tape 1/3. (Aden, OR)
 - +Good w/American Top-40 pgm 0950, then break for ad for KPAR-TV-2, then back to AT-40 w/mention of 8 new "affiliates", including WHOA-870, 1/23. (Portzer, WA)
- 660
- AUSTRALIA, Byrock, 2BY, weak 1300 8/7 w/ABC ID & 6 pips. (Tomer, CA)
 - +Quiet mx //700 1224 8/25; weak. (Tomer, CA)
 - +Fair w/piano mx, possibly //830 1356 10/21, 6 pips 1400, then soft theme mx & fanfare, & brief anmt in accented EE, apparently s/off as anmt was followed by anthem & stn was not hrd after it ended. (Portzer, WA)
 - +Assumed the stn mixing w/New Zealand 1110 10/29 w/EE talk (accented DU). (Tomer, CA)
 - +Fair 1211 2/13. Had narrated jazz pgm //2NR-700. (Tomer, CA)
 - +Fair 1248 4/22 w/choir mx //700. (Tomer, CA)

- 660 CHINA, location unknown, 10/4 1303-1308 tuneout. Man & woman in typical C⁺ spirited talks, fairly good signal. (Williams, OR)
 +Weak w/YL singing 1045 11/14. (Tomer, CA)
 +Weak talk o/u presumed KFAR, man & woman in CC 1508 11/24. (Portzer, WA)
 +1438 YL singing & usual mx poor 2/21. (Williams, OR)
- 660 JAPAN, Nagasaki/Obihiro, JOAG/JOOG, noted w/typical NHK JJ talks 1320 8/31 weak-fair. (Tomer, CA)
 +Weak but easily hrd due to quiet cx 1415 10/23; EZL mx //530. (Tomer, CA)
 +Weak w/JJ talk 1045 11/14. (Tomer, CA)
 +Assumed source of JJ talk weak but clear 1304 2/20. (Tomer, CA)
- 660 NEW ZEALAND, Wellington, 2YC, fair 8/21 0720 w/OM in accented EE & cl mx. Not too readable due to xlnst sigs from various thunderstorms. (Hall-Patch, BC)
 +Assumed the strong stn w/renaissance mx looping DU 0844 8/28. Mx continued across the top of the hour 0900. (Portzer, WA)
 +Xlnst w/discussion by man to 1114 10/24, then anmt by YL. (Portzer, WA)
 +Assumed source of quiet piano mx w/narration by YL, xlnst sig at peaks. No break or IS across the hour, often the case w/R. New Zealand broadcasts. Hrd 1045-1115 10/29. (Tomer, CA)
 +Fair w/talk 1010-1015 1/9, then into quiet mx //880. (Tomer, CA)
 +Fair w/opera & horrible QRN 0940 9/27. (Portzer, WA)
 +1208 3/18 poor-fair w/OM reading nx in accented EE. Had to null Mexican which must have boosted power or signed on 1200 as 'twas no problem before. (Hall-Patch, BC)
 +1059 w/cl mx loud & clear; no pips at 1100 3/20. (Bytheway, WA)
 +Weak w/cl mx //1YC-880 0905 3/27. (Tomer, CA)
 +Weak w/National Pgm ID 1158 4/20 //880 but weaker. (Tomer, CA)
 +Booming in 1010 4/24 w/usual orch mx. Little fading, great readability. // on 880 was much weaker, however. (Hall-Patch, BC)
- 665 USSR, Komsomolsk-na-Amure, RSPSR, first TP of the season noted here 0915 9/5 as a carrier. Noted later w/good audio at various times, i.e. 1027 w/mx. (Portzer, WA)
 +RR MoR songs & inst versions of US pops 1310-1405 9/17. No break at half past the hour; had short RR anmt, then a clock tower IS 1400, followed by anthem; no pips. Poor-fair //5015 SW. (Tomer, CA)
 +Pretty good carrier here looping NW 1106 10/5, no audio, coinciding w/NE Asia reception on 647 & 655. Could hear nothing on high freqs 1376 & 1475 during the 30 minutes I was shopping for TPs. (Martin, CO)
 +Good carrier 1333 10/5. (Tomer, CA)
 +Poor-fair 1400 10/7 & 1400 10/8 w/chimes followed by 5 mighty bongs from a clock tower, then into USSR NA. Musically the chimes seemed to be C#, B, G# which sounds like someone bashing on a frying pan, which is immediately followed by deeper tone bells going G#, F#, E. This whole figure is repeated 4 times before finishing off w/the tolling bell. I've hrd this IS on 665, 782, & SW 5015 and wonder if it's a new first program IS. (Hall-Patch, BC)
 +Weak sig but quite clear 1405 10/23; had YL singing. (Tomer, CA)
 +1355 cl piano mx, pause 1359, 1400 Kremlin Bells. Fine sig. (Williams, OR)
 +Taped 0857-0902, WMAQ-670 nulled 11/10, horrid splash from somewhere up to 0859 $\frac{1}{2}$. But at 5 & 13 secs after the hour, I captured a couple of identical mx chords which sounded very much like an IS, each about 5 secs long. May have been pips on the hour but unsure. Man's voice there up to 0901 when splash began again. (Martin, CO)
 t +Just a carrier 1340 11/11 but stronger than either 655 or 647. These 2, however, were showing some audio. (Hall-Patch, BC)
 +Weak w/piano mx 1055 1/2. (Beverage, WA)
 +Fair through KBOI-670 splash 0905 2/15 w/RR talk. (Tomer, CA)
 +1431 3/12 fair-good carrier but no audio. Also weak carrier 3/13 1233. (Hall-Patch, BC)
- 665 UNID, a carrier from NW showed up here 0904 11/8. Siberia of course but audio remained too weak to be described. It was followed 0910 by N. Korea's carrier on 655, also little audio. What was most strange, however, was that the 647 megawatter could not be detected in any manner up to 0930 when I went to bed. Could it be 647 was silent for some reason? As for 665, by early Dec, Portugal & Siberia may be audible at the same time close to 0800. (Martin, CO) (647 is sked to be in CC at that time & judging from the position of 1man relative to China, it's possible they use a directional antenna pointing away from us. ed)
- 670 ALASKA, Dillingham, KDLG, 0756 10/3 tuned in & noted 2 stns here: sure enough at 0759 $\frac{1}{2}$ one IDed as KDLG, then went into 11 o'clock nx. Had Alaskan nx 0801 $\frac{1}{2}$, then wx. (Bytheway, WA)
 t +Possibly the stn here w/light jazz & piano mx 0828-0904 11/7; looping NW during a good Alaska opening, but mucho KNBR/WMAQ QRM & no ID at top of hour. Format also fits the Cuban. (Portzer, WA)
- 670 ? UNID, 0800 11/7 cl piano mx noted across top of hour w/no ID. Fair in WMAQ null w/KBOI testing, also KNBR-680 splash. Hoping for KDLG due to earlier appearance of KFAR but no luck. (Hall-Patch, BC)
 +1044 11/14 Oriental talk, looping towards Japan area. Probably NHK. (Bytheway, WA)
- 675 CHINA, Huhhot, man singing in CC 1440 10/16, fading rapidly & gone by 1444. (Williams, OR)
- 680 SOUTH KOREA, Gun San, HLAS, 3/26 1905-2000 w/US pop mx of 60's to 1930 & into light inst mx to IS(?) /anthem/whatever 1955. KBS-like pips on hour w/ID by man Fair w/moderate QSB, in KK. Measured freq as 680.032. (Hardester, Okinawa)

- 585 NORTH KOREA, Pyongyang, in w/good carrier 1350 9/18; should be possible to get audio one of these days. (Tomer, CA)
- 690 AUSTRALIA, Sydney, 2WS, a new stn will open here, the first new commercial stn to open in Sydney in 46 years. 5kw; due on in October, 78. (N2DXT, 3/78)
- 690 t HAWAII, Honolulu, KKUA, probably the rock mx o/u nulled XETRA 1015 12/26. Didn't wait for an ID. Heavy SAE noted. (Portzter, WA)
 [Noted at weak strength u/3YA 104Z. (Allchin, New Zealand)
 t Rock mx momentarily creaming XETRA 1050 1/1. (Beverage, WA)
 +1/24 1112 dominating channel w/CBU TT off (for good I hope) & XETRA apparently off. ID noted amid the rr & unid domestic QRM. (Hall-Patch, BC)
- 700 t ALASKA, Anchorage, KBYR, US-type stn w/pop mx & oldies w/WLW nulled 0910-0930 10/5. Too much KNBR-680 slop to ID it but surely KBYR. (Kaskey, CA)
 +Hrd w/Alaska TC 1307 10/8, then KBYR SID 0314. Poor-fair strength & seemed to be playing MoR. (Hall-Patch, BC)
 +1/1 0910 call, mx, Alaskan sports story 0912 fair w/WLW nulled. (Beverage, WA)
- 700 AUSTRALIA, Grafton, 2NR, ABC nx 1300 8/10, then religion. Weak. (Tomer, CA)
 +Blasting in w/religion 1315 8/29. Seems to be the easiest Aussie to hear; hrd all summer. (Tomer, CA)
 +Fair w/somnolescent mx 1344 10/4. (Tomer, CA)
 +Likely the one w/drama w/WLW nulled 0835 1/23. (Portzter, WA)
 +Xlnt sig 1211 2/13 w/jazz pgm //660/740. (Tomer, CA)
 +1307 3/19 briefly fair audio w/nx item about an Aussie oil refinery, then faded back to carrier. (Hall-Patch, BC)
 +Fair 0850-0855 3/27 w/discussion of Australian sports. Fair but lots of XETRA splash. (Tomer, CA)
 +Old reliable in w/xlnt sig 1040 4/20; had quiet piano mx. (Tomer, CA)
- 700 CHINA, Nanjing, o/u the JJ 1315 9/17 w/YL talking in CC. (Tomer, CA)
 +Here w/Alaska/Japan 1500 11/17 w/CC on top w/5 & 1 pips. (Tomer, CA)
 +In the clear w/CC opera 1322 3/24. (Tomer, CA)
- 700 JAPAN, Hiroshima/Kitami, JOFB/JOKD, 9/10 poor through heavy slop 1234. (Kaskey, CA)
 +1345 9/18 w/JJ talk; the CC way underneath. (Tomer, CA)
 +Strong 1343 10/4. (Tomer, CA)
 +Good 1400 11/16, began SS lessons. (Tomer, CA)
 +JJ talk babbling on //930 1242 3/20. (Bytheway, WA)
 +Mixing w/the CC 1330 3/24; had JJ talk. (Tomer, CA)
- 700 ? UNID, CC stn noted u/Japan 1400 11/14; no pips or ID. (Tomer, CA)
 [Suspect China the one 3/25 1330-0400 w/EE/CC lang lessons w/much example of PRC culture. Into straight CC 1400 w/o ID or pips. Fair level w/unid JJ QRM. Measured on 700004, freq unstable, varied 3-5 Hz. (Hardester, Okinawa)
- 705 SOUTH KOREA, Seoul, HLKA, ID 1500 5/8 as "HLKA", then KK pgm. Good strength but severely jammed, reminding us that HLKA-710a is not drifting, but actually making frequency changes to counteract jamming from the north. (Arctic)
- 709 SOUTH KOREA, Seoul, HLKA, strong 1435 10/21; good 1400 10/22 w/"HLKA", 3 & 1 pips ID, hetting KIRO-710. (Tomer, CA)
 +11/6 now here w/strong het & weak audio 1437; noted on 715 10/30 1315 & 10/31 0926. (Kaskey, CA)
 t +Possibly the het on the low side of 710 1005 1/23. No other Asians noted that morning, however. (Portzter, WA)
- 710 t FIJI ISLANDS, Suva, FBC, likely the one w/male talk u/WGBS ET 0903 11/28 in non EE/KK/SS language that could pass for Hindustani. (Portzter, WA)
 +Fair-good 0820-0840 w/man & woman talking, occasional chants. //891 but much stronger, really blasting in at peaks; KMPC no problem 1/9. (Tomer, CA)
 +Assumed the Indian mx noted in passing 1025 1/23 looping DU. (Portzter, WA)
 t +1100 5/1, looking for WHB, hrd many ments of "kilchertz", then one as "890 kilo-hertz" in accented EE. This is Fiji's s/off time but couldn't pull anything definite above KMPC & other QRM. (Hall-Patch, BC)
- 714 SOUTH KOREA, Seoul, HLKA, ID as "HLKA" 1400 6/8, then talks in KK. ID again at 1500 as "HLKA" & "KBS". Fair-good but w/jamming. Changes freq from day to day & this jamming follows it around. Apparently a N. Korean jammer. (Arctic)
 +Good w/talk in KK 1205 11/14. (Peterson, CA)
 +Strong w/KK play 1318 11/14. (Tomer, CA)
- 715 SOUTH KOREA, Seoul, HLKA, bombing in w/vigorous talk 1031 9/5. (Portzter, WA)
 +9/10 weak het 1232, also 9/6 1348. (Kaskey, CA)
 +Good w/OM talking in KK 1210 9/15. (Tomer, CA)
 +10/2 w/audio 1232 man & woman in KK. Fair through noise, good 1405. First time audio heard this year. (Kaskey, CA)
 +Super strong w/KK play 1353 10/4. (Tomer, CA)
 +10/7 noted 1346 //880/890. (Kaskey, CA)
 +Fair 0958-1004 10/10 w/talk in KK. On the hour used - - - (3 low) which can be confused w/NHK. I have noticed that the last tone persists much longer on NHK thanon KBS though. (Peterson, CA)
 +10/17 w/good potent sig 1004. (Kaskey, CA)
 +Pretty good 0954-1000 10/24 but plenty of slop from KDOWN-720. 3 low & 1 high time signal on the hour. (Peterson, CA)
- 720 CHINA, Beijing, weak-fair 1350 9/18 w/CC opera; KDOWN pretty well faded out. (Tomer, CA)

- +10/9 o/u KDWN quite easily 1350-1410 tuneout. .Cl mx & talk. Pips easily at 1400 (5&l) but notes were G & E. (Kaskey, CA)
- 720 HAWAII, Eleele, KUII, 9/26 0816 presumed the rlg's pgm w/WGN & KDWN OC. Then atop w/Hawaiian mx 0830-0900 s/off 0901. (Kaskey, CA)
 +Must be the weak stn hrd u/KDWN null 1410 10/5 in Hawaiian(?) language; lots of Hawaiian places were mentioned. (Tomer, CA)
 +U/strong WGN 10/17 0840 w/Hawaiian mx. KDWN off. (Kaskey, CA)
 +1/9 0809 w/SID "K-U-A-I..." good w/KDWN off. (Bytheway, WA)
 +Basketball results 2/1 0758 followed by ad for Tyre Warehouse in Kauai. Peaked very good o/4YZ. No sign of needed WGN. (Allchin, New Zealand)
 +S/off 2/6 0900 u/KDWN OC. (Seaver, CA)
- 720 ? UNID, playing back tape of Beijing reception 10/9 0400 I noted another set of 5&l pips u/Beijing. This one however used notes C to C#. Both sets of pips were 11 second sequences. (Kaskey, CA)
- 725 NORTH KOREA, Kimchaek, weak-fair 1410 9/18 w/KK talk. (Tomer, CA)
 +Very poor 1005 10/10 slightly more than a carrier at times. (Peterson, CA)
 +In but rather weak 1003 10/24. (Peterson, CA)
 +Weak w/talk 1447 10/25. (Tomer, CA)
 +Fair w/YL talking 1015 11/14. (Tomer, CA)
- 725 UNID, LA this freq had a slight het on it plus beating of other stn QRM 1136-1142 11/12. Surinam there at nights but 1136 is too late for Surinam, so N. Korea is probable source of QRM. (Martin, CO)
- 735 NORTH KOREA, Pyongyang, good 1405 9/18 w/OM & YL in KK. (Tomer, CA)
 +Xlnt 1320 11/14 w/men's choir //655. (Tomer, CA)
- 740 AUSTRALIA, Sydney, 2BL, in w/blockbuster sig 1215 2/13 w/jazz show //660/700. (Tomer, CA)
 +Probably the one w/comedy record 0950 3/27 followed by DU-accented EE talk, then a MoR vocal. (Tomer, CA)
- 740 CHINA, Changchun, most likely location, fair u/S. Korea w/YL singing 0950-1100 11/14. 5 & 1 pips 1100. (Tomer, CA)
- 740 SOUTH KOREA, Daegu, HLGK, fair w/KK talk 0950-1000 11/14 //880. (Tomer, CA)
- 740 SOCIETY ISLANDS, Papeete, Tahiti, traces of FF talk 9/5 0712 seemed // 6135. KCMC TT/KCBS OC killed it. (Seaver, CA)
 +10/10 w/FF talk 0710 tune in, then jazz until 0730 s/off. Generally poor; weak but readable at peaks & definitely //11825 & 6135 SW. (Tomer, CA)
- 750 ALASKA, Anchorage, KFQD, knocking walls down 0656 9/5. So strong I thought at first KXL was testing. (Bytheway, WA)
 +0820 9/5 shaking the plaster off the walls & ceilings. (Portzer, WA)
 +Chicken rock & oldies 0936 9/5. WSB looped out. (Korn, CA)
 +Here 9/5 weak 0910 w/call ID. (Seaver, CA)
 +10/3 0628 in fair-good w/pop mx "KFQD" jx, no WSB (probably off at this MM hour); weak unid rumble, maybe Japan, maybe Nicaragua (or WSB OC. ed). My best reception of KFQD to date. Alaska was also tentative on 650 later. (B.Hardy, WA)
 +Its usual routine local quality signal 0622 10/3 w/chicken rock & gobs of ads for 10/4 elections. Again 0700 10/6 w/nx at room level. (Portzer, WA)
 +Talk show 0824 10/5 good through KCBS slop. Some QRM from WSB/JOIB. (Kaskey, WA)
 +Atop nicely 10/7 1245. (Kaskey, CA)
 +11/7 w/nx-wx 0700-0705, ID & TC 0706, loopable from WSB w/some KCBS slop. (Kaskey, CA)
 +Local quality w/soft rock 0730 11/7. (Portzer, WA)
 +Good-fair o/u WSB 0913-1000 11/25, talk show "Hotline" ID at 1000 clear. Apparently they have a talk show 0805-1000, because of the anmt at end of show. My best reception of KFQD ever. (Harms, WA)
 +Noted w/soft rock 0838 12/16. (Portzer, WA)
 +MoR, SID, 1245 strong. (Tomer, CA)
 +Good w/ad o/unid LA 0224 1/1. (Beverage, WA)
 +Good w/info on highway closures 0840 1/23. (Portzer, WA)
 +Good 1148 2/2 w/wx forecast. Jingle ID "KFQD in Anchorage", then Dave Mason song. Quick attractive v/g. (Allchin, New Zealand)
 +Weak w/spot for business in Anchorage 0708 2/7. (Tomer, CA)
- 750 AUSTRALIA, Toowoombah, 4QS, weak 1245 8/19 w/ment of ABC radio during pgm Break, then talk. (Tomer, CA)
 +Fair w/cl mx 1325-1335 11/14 //840. (Tomer, CA)
 t +Most likely w/OM talking DU style, extra good signal. (Tomer, CA)
 t +Likely the one w/orch mx 1235 2/20, looping DU. Gone by 1239 & nothing noted across hour 1300. Tried checking for a SW // but couldn't get any conclusive results. (Portzer, WA)
 t +Possibly the source of weak piano mx u/JOIB 1321 3/24. (Tomer, CA)
 +Weak w/quiet mx //700, 1123 4/20. (Tomer, CA)
- 750 JAPAN, Sapporo, JOIB, weak-fair 1244 8/19; man in JJ talk. (Tomer, CA)
 +EE lessons 1021 9/5. (Bytheway, WA)
 +EE lessons, man in JJ, YL in EE, 1032 9/5 w/xlnt signal. (Portzer, WA)
 +9/10 1231 w/severe KCBS-740 slop. (Kaskey, CA)
 +1223 10/7 JJ talk, no ID but //JOB-830. Fair. (Bergman, CA)
 +Fair w/EE lessons 1055 10/10. (Peterson, CA)
 +Fair 1005 10/24 w/nx in EE, a daily feature in this ¼ hour segment. (Peterson, CA)

- +Fair-poor // 770 1129 10/24. (Portzer, WA)
 +Having it out w/YNX w/a 4:1 advantage 1140 11/14. (Peterson, CA)
 +11/21 1055 w/EE lessons. Subject was on brothers & how they act. NHK pips & full ID hrd on the hour. Good signal w/some QRN. No other stn audible on the frequency. (Lobel, CA)
 +Fair w/JJ talk 0915 1/9. First Asian TP hrd in several weeks. (Tomer, CA)
 +Fair w/JJ talk 0910 2/15. (Tomer, CA)
 +1206 3/13 noted w/man in JJ, nil-fair sig. (Hall-Path, BC)
 +//770 1216 3/19 w/fair signal. (Portzer, WA)
 +Good w/JJ male talk 1318 3/24. "Nippon Hoso Kyokai" ID 1320, then alternating JJ/EE. (Tomer, CA)
 +Fair w/YL talking in JJ 1243 4/21 //770. (Tomer, CA)
- 756 ? UNID, looping NE Asia, not Indonesia, in 1103-5 & 1111-15 11/20 weak. Ideas? (Peterson, CA)
- 760 CHINA, location unknown. weak bits of flute mx & CC talk u/WJR 1036 9/5. Strong by 1125 w/YL yakker. (Portzer, WA)
 +Yakking 1152 9/5. (Bytheway, WA)
 +Fair in CC w/talk 1057 10/10. (Peterson, CA)
- 760 HAWAII, Honolulu, KGU, 9/6 u/KFMB easily at 1330. (Kaskey, CA)
 +Creaming KFMB w/jazz mx 0630 10/28. (Portzer, WA)
 +Booming in w/pop mx 0610 1/1. No sign of pest KFMB. (Beverage, WA)
 +Xint in absence of 1YA 2/6 which was off for maintenance. ID as "R. 76 KGU" at 1126. (Allchin, New Zealand)
 +Fair u/KFMB 0615-0635 4/10 w/mellow jazz, IDs & local spots. (Tomer, CA)
 +4/17 1247 xint w/Aor nx. KFMB off. (Korinek, CA)
- 760 NEW ZEALAND/HAWAII, Auckland/Honolulu, 1YA/KGU, both were here 4/17 w/KFMB off 1150-1230 after WJR fadeout. Static moderate. Tape shows 3 or 4 pips squeaking through in 5 secs before 1200, but the rest of the 1YA pips lost in noise. KGU never IDed but assume it was the stronger sig in steady MoR across the hr w/no breaks, which proves it wasn't WJR. Clearest looping was NE-SW. LA & WJR were there 1100 but gone an hour later. First time I've caught KGU & 1YA together in 4 years although it used to be a regular morning event in the DST time of year before KFMB went AN. Kept thinking KFMB would put on OC to wipe me out but remained off the entire period. KGU & 1YA beating was conspicuous after 12 & KGU mx reached fair volume at times. Both sigs weakened by 1210, 13 mins ahead of Denver LSR. But the beating was still in as late as 1230. (Martin, CO)
- 760 ? UNID, jazz mx looping DU 1120 12/5; possibly //860. May have been New Zealand. (Tomer, CA)
- 765 t MALAYSIA, Kuala Trengganu, very tentative, man talking in what could have been Bahara Malaysian. Quite weak 1336-1338, then gone 10/8. Checked next day & super weak het only. First time for me since 1971 or 72. (Williams, OR)
- 770 AUSTRALIA, Melbourne, 3LO, noted w/ABC nx 1302 8/10. (Tomer, CA)
 +Weak w/vocal //700; tough w/KOB blasting in at same time. (Tomer, CA)
 +Likely the one w/jazz flute mx w/KOB nulled 1225 2/20. (Portzer, WA)
 t +Likely the flute mx w/KOB nulled 1215 3/19. (Portzer, WA)
 +Most likely the stn o/u JOIB 1250 4/22. Had jazz mx & DU accented EE talk. (Tomer, CA)
- 770 JAPAN, Akita, JOUB, fair w/OM in JJ 1310 8/10. (Tomer, CA)
 +JJ talk, potent sig 1322 8/31. (Tomer, CA)
 +Way u/KOB 1039 9/5. (Portzer, WA)
 +Booming in as usual 9/6 1331, only TP left at 1400 but in well w/NHK pips, but another set of 6 pips hrd starting just before NHK pips. 9/10 noted u/KOB 1228 again last TP around at 1400 & again 6 pips u/their 3 & 1. Noted 9/11 w/pips at 1400 but nothing else there this time, then went into EE pmg of pop mx & commentary. Wonder if the 6 pipper could be 3LC which was hrd in July? (Kaskey, CA)
 +1315-1329 9/28 JJ talk, man & YL. Good ID in EE, JOUB. Had EE lessons at 20 past hour. Strong signal, my first JJ. (Bergman, CA)
 +Super strong, wiping out KXA 1340 10/5. (Tomer, CA)
 +Fair-strong w/JJ talk o/u KGB 1007 10/9. (Portzer, WA)
 +1C/18 w/SS lessons 1400-1430 very strong. (Kaskey, CA)
 +Clear call ID 1320 10/23. KXA staying w/them til past 1430. (Kaskey, CA)
 +1500 11/29 clear EE call ID & pips. Had JJ just before the hour & mx just after the ID. KXA no devol but KCBS-740 slop was. (Segalas, CA)
 +Powerful signal 1205 12/12; JJ talk. (Tomer, CA)
 +Weak w/JJ talk u/attempted KOB null 1317 2/13. (Tomer, CA)
 +In w/potent, needle-pegging signal 1325 3/24. Had EE lessons at this time. (Tomer, CA)
- 755 ? UNID, carrier here 1035 1/2. (Beverage, WA)
- 780 ALASKA, Nome, KNOM, good steady signal; solid ID 0724 9/5. MoR & cw mx; KCRL off, WBBM looped. (Tomer, CA)
 +0736-0806 9/5 w/cw mx, "24 before 10" TC 0736 gave it away immediately, ID & nx 0800, 0804 spot or PSA, then wx & more cw. (Bytheway/Portzer, WA)
 +Fair-good w/WBBM looped & KCRL off 9/5 0802-0930. ID 0929 as "R. 78, K-N-O-M, Nome." (Seaver, CA)
 +Hrd w/Mark Helston show (not sure of spelling) w/cw 0950-1000 9/5, then nx & wx 1000-1010, s/off w/hymm 1010. Power given as 10 kw-D, 5 kw-N. Heavy QRM from WBBM despite my best efforts to loop them out. (Korn, CA)

+10/17 in & out u/strong WBBM w/Olivia Newton-John song followed by local ads 0837. Soon disappeared for good. KCRL off. (Kaskey, CA)
 +11/7 u/very strong WBBM w/pop mx 0906 & for the next hour. Always there but never topped WBBM. (Kaskey, CA)
 +In w/good sig at times 0925-45 11/20. KCRL off, WBBM looped. (Peterson, CA)
 +1/1 0835-0842 speech about Alaska natives, 0845 Joan Baez song, faded 0845 but returned w/"Diamond Girl" & PSA, mx ID 0859 by YL, then into nx. (Beverage, WA)
 +Same time as above w/much poorer signal. KNOM was well atop WBBM using the FRG-7 and SM-2, but was usually very weak u/WBBM on the Beverage. (Beverage, WA)
 +0830-0840 1/3 very strong for stn never hrd before, came right o/WBBM for about 10 minutes. Got it all on tape & report sent. ID hrd consisted of "For western Alaska this is radio 78, KNOM, Nome." (Aden, OR)
 +Xlnt 1055 2/20 w/"KNOM Update" news. (Tomer, CA)

- 780 t CHINA, Shijiazhuang, possibly the one w/fair sig & CC talk 1225 9/11. (Tomer, CA)
 +MIXing w/Japan 1330 11/14, both fair & neither dominant. (Tomer, CA)
- 780 JAPAN, Muroran, JOIU, w/loop atop WBBM 10/17 0900-1000. Big surprise for me at 1000. Gave ID as "Mororan-J-O-I-U". Was //JOHK-890. First time a synchro freq has been definitely IDed. Muroran is farthest north but only 3 kw. Stuff like this is why I'm still DXing at 3 a.m. instead of in bed. (Kaskey, CA)
 +Fair w/YL & man 1155 12/12: "JOIU" ID 1200 w/3 & 1 pips. (Tomer, CA)
 +1333-1343 3/24 w/JJ talk, JJ singing. (Tomer, CA)
 +Weak w/JJ talk 1237 4/21. (Tomer, CA)
- 780 t JAPAN, Tokushima et al, JOXK etc, fair o/u the CC 1247 9/11 w/JJ talk. Really loud 1205 9/19 w/OM & YL in JJ, then pop songs. KCRL off. (Tomer, CA)
 +Surfaced atop (w/KCRL off) 9/18 1315 w/talk in JJ. //840/880/890. (Kaskey, CA)
 +During well-timed soft cl mx on KCRL, usual NHK pips only hrd 1100 10/10. (Peterson, CA)
 +1012 10/24 w/talk in JJ. Fair but het from USSR-782; KCRL off. (Kaskey, CA)
 +1400 11/24 very weak audio w/KCRL off. Man talking just before hour, then NHK pips. This channel now open til 1500 every morning. (Tomer, CA)
 +Good at end of inst number 1327 2/13, then JJ chant by man. (Tomer, CA)
- 780 t NEW ZEALAND, Dunedin, 4YA, most likely w/quiet mx 1150 9/19, fade at ID time, then DU accented EE mx 1202. Fair signal at peaks. (Tomer, CA)
 +Good w/nx to 1304 2/20. Mentioned next nxcst at 4, then into brief folksong, OM chatter, & male vocal of "Greensleeves". (Portzer, WA)
 +Weak w/mellow jazz mx //860; hrd 0915-0935 3/27. (Tomer, CA)
 +Xlnt hi-fi signal 1110 4/20, had narrated jazz pgm. (Tomer, CA)
- 780 ? UNID, 9/11 w/KCRL off, UFO here 1325-1335+. Had opera song & sounded CC, but sig was very weak & faded out around 1340 or so. Ideas? (Kaskey, CA)
 +2 unid stns took over from Japan 9/18 1320. One w/inst cl mx, the other w/old US standards. The latter had YL anc w/Asian accented EE. Gave nx 1400. 4YA & AFKN maybe? (Kaskey, CA)
 +Australian or New Zealand, totally confused here. 1300-1400 2/13 had YL DJing adult MOR vocals & EZL mx; signal was steady but weak & YL's voice too muffled most of the time. Sounded like a commercially owned Aussie, similar to 4BH-880 but livelier. Aussies xlnt this AM, a 2 kw stn could have made it; no NZers were hrd. At 1400, 6 pips & a "4 o'clock" TC which doesn't match either location. At 1401 began a detailed marine wx forecast for several localities, then faded. DU members, what do you think? (Tomer, CA)
- 782 USSR, Spassk Dalniy, RSFSR, only a het 1040 9/5 but very good by 1126 w/talk. (Portzer, WA)
 +YL at 1112 9/5, piano mx 1116, then man in RR, mx across bottom of hour. (Bytheway, WA)
 +Good w/man in RR 1150 9/19, causing quite a het w/780 & 785. RR MoR songs at 1240 retune. (Tomer, CA)
 +Fair w/talk 1010 10/10. Considerable KCRL-780 slop. (Peterson, CA)
 +Carrier putting het on KCRL-780 1338 10/8. Audio appeared 1314 10/9 w/bass-voiced gent singing operatic songs. Same chimes as 665 noted 1400 10/11. Quite poor in KCRL splash, followed by USSR NA. (Hall-Patch, BC)
 +Fair w/het from Japan-780 but otherwise refreshingly clear 1015 10/24. (Peterson, CA)
 +1440 10/25 weak w/man singing opera(?); KCRL-780 strong at same time but w/talk so slop was manageable. (Tomer, CA)
 +Good strong signal 1010 11/14; man & woman talking in RR. (Tomer, CA)
 +Piano mx measured on 782.001 1426 1/1. (Beverage, WA)
 +Stronger than 780 domestics 1314 1/2. (Beverage, WA)
 +Fair w/quiet cl mx 0850 2/15. Should be a regular w/KCRL no longer AN. (Tomer, CA)
- t +1417 3/12 faint orch mx slipping through on strong carrier. (Hall-Patch, BC)
 +Weak w/big-band mx 1335 3/24. (Tomer, CA)
- 785 NORTH KOREA, Pyongyang, fair-weak w/KK YL talk 1127 9/5. (Portzer, WA)
 +Mx 1140, then YL talk 9/5. (Bytheway, WA)
 +Fair w/man talking in KK 1205 9/15. (Tomer, CA)
 +Good w/orch mx & KK talk; not // 655 so I assume it to be K.C.B.S. Hrd 1320 & 1415 10/5. (Tomer, CA)
 +10/7 w/fair-mushy signal 1342. (Kaskey, CA)
- t +Stronger carrier than 782 1341 10/8. Very weak audio w/man & woman speaking. Woman talking nil-strong 1355, but down into the mud on the hour, so no reasonable ID. (Hall-Patch, BC)
 +Very weak 1012 10/10. (Peterson, CA)
 +Weak 1017 10/24. (Peterson, CA)
 +10/30 fair 1306. (Kaskey, CA)
 +Weak 1010 11/14 w/YL, singing, etc. (Tomer, CA)

- +KK talk 1040 1/2 weak. (Beverage, WA)
- +Just a weak carrier 1350 2/13. (Tomer, CA)
- +Weak-fair w/KK talk 1335 3/24. (Tomer, CA)
- 786.5 a NORTH KOREA, Pyongyang, 11/14 1323 w/man in FK; het w/780. (Pejza, CA)
- 795 CHINA, Changhai, 10/16 1422-23 YL in CC fair, faded to slight het in 1 minute. Don't recall hearing this one previously. (Williams, OR)
- +Very weak w/CC talk 1343 11/14. (Tomer, CA)
- 800 ALASKA, Juneau, KINY, 1/1 1036 "from the staff of KINY" poked through atop others. Clear call, no mistake. SM-2 looped towards Alaska. (Beverage, WA)
- 800.4 NORTH KOREA, Kimchaek, here w/male talks 1155-1230 3/26. . . . pips over 3 seconds; 7/655/685/735/850/3320/6400 (not 6250 as per WRTH 78). Good level on 800.408 kHz. (Hardester, Okinawa)
- 820 AUSTRALIA, Glen Innes, 2GL, 1300 9/23 poor-fair in KGO-810 splash & local electrical noise. Man gave list of cl mx titles before the hour, 11 o'clock TC, then pips, fanfare, & "Here is the National nx from ABC". Sig fair & readable about 50% of the time. (Hall-Patch, BC)
- +Apparently the one w/six pips, light mx, & accented EE 1400 10/20. (Portzer, WA)
- +Weak w/WBAP null w/mx & talk //700; hrd 1225 2/13. (Tomer, CA)
- +Weak w/choir mx //700 1250 4/22. (Tomer, CA)
- 820 CHINA/NORTH KOREA/SOUTH KOREA, location unkn/Najin/Gwangju, apparently the combination noted here 11/24. Tuned in 1451 & hrd folk-type vocal in unid lang, faded w/KK talk 1452. Tuned out a few minutes; returned 1456 & noted female folk song w/Oriental flavor but vaguely reminiscent of "House of the Rising Sun". Song ended 1459:45, brief man & woman talk, then weird pips. . . . w/Chinese 5&1 sequence way underneath. Pips on top apparently a combination of 3 & 1 from N. Korea, & 2 & 1 from S. Korea. (Portzer, WA)
- 820 JAPAN, synchros, weak w/YL talking between EZL selections 1437 10/23, then over ridden by the Korean. NHK1 pgm //530/840. (Tomer, CA)
- 820 NORTH KOREA, Najin, YL in KK fair 1245 8/25. (Tomer, CA)
- +Good 1245 11/16 w/YL //2850 SW. (Tomer, CA)
- 830 AUSTRALIA, Sale, 3GI, ABC pips noted across hour 1200 9/3. Hrd 2-man conversation in accented EE 1154, but KIKI mainly dominant, including massive ID over ABC pips. (Hall-Patch, BC)
- +Likely the one w/piano mx atop KIKI 1355 10/21. Also 1400 10/27 w/6 pips. (Portzer, WA)
- +Strong SAH totally disrupting KIKI around 1245 2/13; probably 3GI trying to get over KIKI but not quite making it. (Tomer, CA)
- 830 HAWAII, Honolulu, KIKI, bombing in w/rock & jingle ID 1352 9/22. Noted in passing. (Hall-Patch, BC)
- +O/WCCO 9/25 0654 w/call ID. Easily hrd most AMs after WCCO fadeout in JOBB null. (Seaver, CA)
- +Good w/rock mx & ID 1405-1415 10/25. (Wilson, CA)
- +Surfin' USA TC 0814 10/29. Good-fair, completely o/WCCO. (Bixby, CA)
- +Generally o/WCCO 0440 11/11 w/"The Coyote" (who sounds a lot like Wolfman Jack) & rock mx. (Portzer, WA)
- +Booming in w/rock mx 0345 1/1, about 1/2 hour before Honolulu LSS! Began count-down of top 100 of 1977 at 0400. Weak bits of WCCO underneath. (Beverage, WA)
- +0834 1/18 fair o/WCCO w/Coyote & stn ID. (Korinek, CA)
- +Fair w/pops through LYX/LYK 0630+ 2/4. (Allchin, New Zealand)
- +Killing WCCO w/rock mx 0745 2/13. (Portzer, WA)
- +2/15 1050 like a local w/rr mx. (Korinek, CA)
- +Poor-good w/T-40, 7:05 TC & ID 0505 3/16. Only a few minutes after Honolulu LSS. Soft mx on 870 in WWL null at this time may have been KAIM. (Hall-Patch, BC)
- +Earliest ever fade-in 0440 4/22 w/the "Coyote Pgm" T-40. This was way before Honolulu LSS. Not dominant o/WCCO until 0553, then faded. (Tomer, CA)
- 830 JAPAN, Osaka, JOBB, way w/WCCO w/JJ talk 0341 9/5. (Portzer, WA)
- +Good 9/6 1334 w/minor KIKI ORM. Also 9/10 w/fair-good sig & KGO sloop. Again 9/18 w/good sig 1310, minor KIKI ORM. (Kaskey, CA)
- +1320 10/5 good ID in EE "JOBB" by YL, //JOB of course. (Bergman, CA)
- +Fair-good w/YL talking 1407 10/6. Had to null strong KIKI for this one. (Hall-Patch, BC)
- +YL w/talk 0917 10/9. (Portzer, WA)
- +Babbling in JJ 1139 10/16, 1159 signature melody, then pips 1200. 5 long pips underneath. (Beverage, WA)
- +1350 10/18 male JJ poor w/KIKI ORM. (Sanserino, CA)
- +Man talking in JJ, ID, 3 pips & tone, call mx notes 1340 & 1400 10/26. (Wilson, CA)
- +11/3 very poor 1348. Has been w/KIKI lately. (Kaskey, CA)
- +Babbling in JJ 1139 10/16, 1159 signature melody, then pips 1200. 5 long pips underneath. (Hall-Patch, BC)
- +Good w/EE lessons 0945 11/14. (Tomer, CA)
- +EE nx w/JJ accent 1004 11/14. (Bytheway, WA)
- +Strong 1452 w/FF lesson; also good 1503 w/"Music Box" IS. (Portzer, WA)
- +NHK pips mixing o/KIKI/WCCO 1300 1/2, JJ talk on top after that. (Beverage, WA)
- +Strong 1246 2/13 w/JJ talk. (Tomer, CA)
- +1425 3/12 noted playing Muddy Waters' "Rolling Stone" (never hrd that on domestic radio), then man & woman in JJ. (Hall-Patch, BC)

- +In rather well 1115 3/20 for the first time in weeks. (Peterson, CA)
 +Weak w/male talk //770 w/KIKI nulled 1213 3/20. Not really strong enough to ID language ('twas JJ of course) but speech patterns were clearly recognizable as of NHK origin. (Portzer, WA)
 +Good w/EE lessons //750/770 1336 3/24. (Tomer, CA)
- 830 ? UNID, stn hrd words in EE, British Corp. at end of sentence. Loud & clear woman singing opera, sharp beautiful voice. Looped in direction of SA 1100-1130 10/23. (Wilson, CA)
- 834 ? UNID, carrier 1015 10/10 before Belize s/on. China off normal 835? Looped N. Asia. (Peterson, CA) (Maybe Belize on ET? ed)
- 835 CHINA, Nanchang, good level w/YL in CC 1312 8/30. (Tomer, CA)
 +Fair 1202 9/5. (Portzer, WA)
 +Fair w/woman in CC 1222 9/6. (Tomer, CA)
 +9/6 fair 1335 in CC. Poor through static 9/10 1254. (Kaskey, CA)
 +Good w/talk 1325 10/5. (Tomer, CA)
 +10/7 good 1405-1408; 10/9 good 1334-1338. (Kaskey, CA)
 +1200 10/8 CC talk, then anthem-type mx, pips on the hour. (Bergman, CA)
 +Noted 1235 10/8 w/YL talking & Oriental singing, perhaps opera?(Hall-Patch, BC)
 +CC yakking 1201 10/16. (Beverage, CA)
 +1335 10/18 female CC poor. (Sanserino, CA)
 +Weak w/YL 1245 10/22. (Tomer, CA)
 +Poor 1347 11/3. (Kaskey, CA)
 +1321 11/8 nil-fair w/man & woman in CC. Best TP audible at the time. (Hall-Patch, BC)
 +Good w/yakking 1454 11/24. (Portzer, WA)
 +Good w/anthem, then ID by YL, then "Zongyang renmin gwangbo diantai" ID by male 1230 1/2. Fanfare & YL yakker followed. (Beverage, WA)
 +Fair carrier 1310 2/13; not much from CC's this AM; tho the JJ's were excellent (Tomer, CA)
 +Very weak 1337 3/24 w/CC woman talking. (Tomer, CA)
- 840 AUSTRALIA, Rockhampton, 4RK fair 1227 8/25 w/cl mx //700. (Tomer, CA)
 +Fair 1313 10/31, had ABC nx. (Tomer, CA)
 +Good steady sig, cl mx 1350-1400 12/14, then 6 pips, anthem & s/off. (Tomer, CA)
 +Good w/cl mx & accented EE anc 1316 1/2. By 1317 only JJ talk hrd. (Beverage, WA)
 +Probable source of a jazz boogie 1250 2/13 looping DU, good sig. (Tomer, CA)
 +Weak u/WHAS 1023 4/20 w/piano mx //700. (Tomer, CA)
- 840 CHINA, Haerbin or Fuzhou, atop 1300 10/9 w/5&1 11 second sequence pips & CC style programming. (Kaskey, CA)
- 840 JAPAN, Niigata, JOOK, man talking in JJ 1025 9/5. (Bytheway, WA)
 +Wailing & moaning //530 1145 9/5. (Portzer, WA)
 +1425-1435 10/23 w/quiet mx //530/660/820; no break or IS on 1/2 hour. (Hall-Patch, BC)
 +Good w/YLs talking in JJ 1248 2/13. (Tomer, CA)
 +Mixing w/S. Korea w/equal strength 1338 3/24; both had talk. (Tomer, CA)
- 840 USSR, Spassk Dalniy, RSPSR, fair w/RR opera, "Midnight in Moscow" IS 1330, then YL in RR 8/30. Mixing w/KK & CC stns. (Tomer, CA)
 +Likely the one w/opera 1042 9/5. (Portzer, WA)
 +Chimes 1300 9/18 intermixed w/Japan. Majak chimes 9/11 1300; QRM probably from Japan. Pips 1300 from this & unid, this one had 6 (as usual) & other ended w/ long high pip. Most likely Japan but could be S. Korea. (Kaskey, CA)
 +Most likely w/RR sounding talk 1303 10/3. (Tomer, CA)
 +Assumed w/opera mx 1345-1400 10/23, then short IS melody repeated several times 1400. Ancrs sounded professional. (Godwin, OR)
 +Beginning of "Midnight in Moscow" chimes 1459 11/11, but faded to nothing in seconds. (Hall-Patch, BC)
 +Incredibly strong signal 0910 11/14; had nice RR folk mx, RR talk. (Tomer, CA)
 +Midnight in Moscow chimes at 0630 (!) 11/18; all I wanted was a Colombian! (Tomer, CA)
 +Good 0204 2/15 w/2 men in RR. (Tomer, CA)
- 840 ? UNID, pips hrd u/USSR 10/9 1200 were 3 & 1 A to A. Most likely Japan but an outside chance Taiwan. (Kaskey, CA)
 +Another set of chimes hrd u/USSR & 3&1 pips 1200 10/9. Also hrd 1300 u/CC & USSR. This time however w/2&1 pips. Last pip a long one similar to JJ or KK but definitely only 2 short pips. Chimes different than USSR. (Kaskey, CA)
 +KK or JJ talk 1255 2/26, NHK-type pips on top of hour, either Korea or Japan. (Beverage, WA)
 +Something was here 4/17 1138-1149 w/audio too weak for diagnosis after WHAS died out. Static bothersome too. KOA-850 OC came on while I was listening w/o my noticing it: I had carefully nulled KOA at the beginning. So perhaps if I get up early enough & monitor the freq on a regular basis after WHAS fadeout, some morning I might bag the Aussie here. KOA does null out completely at a distance of 10 kHz & makes the looping NE-SW. (Martin, CO)
- 844 GILBERT ISLANDS, Betio, Tarawa, VS21, fair w/native mx 0815 9/5. (Tomer, CA)
 +Xlnt 9/16 0835, chanting, etc. (Kaskey, CA)
 +Carrier noted 0900 9/26 & man talking 0904, but too weak to make out anything in KTAC-850 splat. (Hall-Patch, BC)
 +9/26 man talking 0809 poor. Fair 10/5 0815. (Kaskey, CA)
 +Good w/talk & singing in vernaculars 0930 10/3. (Peterson, CA)
 +Strong w/native chant 0615 10/6, then YL in accented EE; loud het against WHAS. (Tomer, CA)

- +Man & woman in local language 0136 10/22 poor. First time I've gotten audio this season. Heavy KOA-850 slop. (Bixby, CA)
 - t +In w/usual big carrier & lousy audio 0940 10/23. Usual nullable in KTAC-850 splat. YL talking but no apparent s/off 0945 as no mx noted 0957. Carrier gone at 1020 recheck. (Hall-Patch, BC)
 - +Strong w/native YL 0920 10/24. (Tomer, CA)
 - +Native mx 0908 11/14 strong. (Tomer, CA)
 - +Huge carrier from 0730 11/14 through to s/off 1000 w/2 local songs & GSQ. Audio often quite good in KTAC splat w/mainly Polynesian mx & YL talking in Gilbertese (? , wasn't EE). A short TT followed the anthems, then carrier off at 1001. Still haven't gotten a proper ID on this one. (Hall-Patch, BC)
 - +Fair w/het & man & woman talking 0738 11/21. (Portzer, WA)
 - +Fair 0925 11/28 but slop from WHAS-840. (Peterson, CA)
 - +Fair 0742 12/5 w/YL language talk, many mentions of Tarawa, interspersed w/choral singing, 0838 an EE version of the Beatles' "Rock & Roll Mx" was heard. (Bixby, CA)
 - +In w/good signal u/KOA slop (ET) in Gilbertese 0940 12/12. (Peterson, CA)
 - +0724 4/17 man in EE ending "World nx from R. Tarawa". (Grossman, BC)
 - +Loud 0722 12/16 w/YL in EE giving local nx & wx, then US MoR. YL talking in native language 0734. (Tomer, CA)
 - +12/19 0728 armchair level w/EE flight skeds by YL, followed by shipping delays, announced last EE pgm of day 0730 & into local language. Best ever. (Bixby, CA)
 - +12/19 0756 per phone tip from Gary Atkins in Louisville. Gary called to see if a WC DXer could hear what he thought was this stn & confirm his reception. I tuned to 844 & we compared signals; they sounded the same. It was good w/ID on the hour in Gilbertese. Mx followed. WHAS-840 off. (Lobel, CA)
 - +Booming in w/symphonic mx 0623 1/1. Very good w/cw vocal 0725, then Roger Whittaker song. Noted in well in passing many times after that w/vernacular talk and/or various kinds of mx. (Beverage, WA)
 - +Measured on 844.066 0642 1/2. (Beverage, WA)
 - +Fair-good 1/2 0930 w/Polynesian talk 0945 w/singing & ukelele mx. This is very difficult to ID, they don't seem to give one in EE at 1000 s/off. I've only hrd one definite ID in 8 years of listening. (Seaver, CA)
 - +Fair 0920 w/native YL chattering. (Tomer, CA)
 - +In well 0730-0758 1/9; had 3 tones 0739, then man & woman yakking. (Bytheway, WA)
 - +100% 1/23 good w/native mx & OM talk in unid language. (Korinek, CA)
 - +Fair 0708 4/12 w/US movie themes; BBC World Nx 0720. (Tomer, CA)
 - +4/17 1003 xint w/OM ancr in unid language w/native/US pop mx. TT 1010. Off at 1011. (Korinek, CA)
- 849 NORTH KOREA, Pyongyang, 12/5 1018 hetting TGX-850. (Seaver, CA)
- 850 ALASKA, Nome, KICY, religion, full ID 0800 9/5, then CBS nx. Good & steady, even better at 0920 recheck, when the pgm was in a language similar to RR, as mentioned by Rittenhouse earlier this year. (Tomer, CA)
 - +Nx u/CKRD w/KTAC nulled 0806 9/5; had one Anchorage nx item, then wx. (Bytheway, WA)
 - +Wx o/u CKRD in KTAC null 0807 9/5. No ID hrd but wx forecast for "Nome & vicinity" plus other mentions of Nome & Fairbanks were hrd. (Portzer, WA)
 - +Poor w/QRN from N. & S. Korea, CBS nx 0900, RR pgm 0907. (Kawaguchi, Japan)
 - +O/KTAC, ending rlgs pgm 0759 1/7. ID "This is KICY, CBS for western Alaska" Temp 1st & into CBS nx. Also hrd through QRM at 0900 s/off. (Kaskey, CA)
 - +Good signal 1045 1/2 w/talk in native language. (Peterson, CA)

850 HAWAII, Hilo, KHLO, poor-fair in mess 0745 12/5 w/JJ pop mx, 0800 JJ YL w/what assume were s/off anmts, into mx & at 0802 there was a "KHLO Hilo" jingle ID. Carrier off 0802:30. New here. (Bixby, CA)

850 NORTH KOREA, Pyongyang, fair 1410 10/2 w/YL in KK. (Tomer, CA)
 - +W/KICY & KTAC 0900 11/7. P:ps _ _ _ (P to E). Audio much more difficult. (Kaskey, CA)
 - +Punching through KTAC 1431 11/16. (Tomer, CA)
 - +Fair w/KK 1448 3/24; overriding KTAC. (Tomer, CA)
 - +(See also 849. ed)

854 ? UNID, carrier looping TP fair 1247 10/22. (Tomer, CA) (Possibly Peru, which loops about 180° from NE Asia. ed)

855 t INDONESIA, Medan, RRI, good carrier looping SE Asia 1130 11/28. (Peterson, CA)
 - +1443 1/1 slow western style inst mx audible. Freq seemed very close to 855.000 but splat & electrical QRN made PFM rough. (Beverage, WA)
 - +Nice sounding western inst mx 1157 1/2. Seemed to go into the same chimes that were hrd on 864 the day before, beginning 1158:33, but quickly wiped out by KOA SSB. (Beverage, WA)

855 ? UNID, weak carrier nulling a bit more southerly than other TPs. Indonesia is all that's listed here. Dream on I guess. This 1348 10/9. (Hall-Patch, BC)
 - +Carrier 1213 10/10 weak, looping to Indonesia area. (Peterson, CA)
 - +Usual carrier 1140 10/31 but no audio. (Peterson, CA)
 - +Weak carrier 1243 4/21, maybe the Indonesian? (Tomer, CA)

860 SOUTH KOREA, Gangneung, HLKR, fair w/OM & YL in KK 0958 1/2. Just before 1000 man said "HLKR", then . . . IS & fanfare, then more KK talk. Oddly enough, this was the only S. Korean noted that morning. (Beverage, WA)

860 PAPUA NEW GUINEA, Wewak, MBC, has moved here to share freqs w/Lae. This action will accommodate more MW stns throughout the country. (NZDXT)

- 864 t INDONESIA, Cirebon, RRI, likely the carrier here 8/18 1155, no audio.
(Seaver, CA)
+Audio hrd! YL talked 1131 11/28, no ID, noise level rather high. Also, 1150
12/5 carrier w/only fair strength. (Peterson, CA)
+Fair sig w/good audio 1140-1202 1/1 w/western-style vocal & inst mx & talk by
YL in Austronesian language. Began a series of very distinctive chimes at
1159:30 and then some mx which sounded like it was part of the same piece.
Mx was on a single instrument (organ or similar) & there was a percussion inst
w/a hollow thudding sound in there also. Talk followed. Noted again 1230 w/
YL talk & stringed inst mx on measured 864.000. Also 1257 w/man talking, then
chimes again 1259:30, then dropped into noise. Back again 1301 w/talk. Hrd
again 1/2 but not nearly as good. (Beverage, WA)
+I had my wife play the Indonesian Foreign Service IS (as printed in WRTH) on
the organ and found that they sound very similar, but not identical.
(Portzer, WA)
- 864 ? UNID, carrier 1128 10/3 looping S. Asia. Assumed to be Indonesia. (Peterson, CA)
+Weak carrier 1351 10/9. Again w/o audio 1353 10/11. (Hall-Patch, BC)
+1215 10/10 weak, looping to Indonesia area. (Peterson, CA)
+Carrier strong 1418 11/16. (Tomer, CA)
- 865 ? UNID, carrier 1410 10/4. Probably China but a 10 kw Malaysian also listed.
(Tomer, CA)
- 866 a? UNID, het & weak carrier on high side of Indonesia-864 1155 1/1. (Beverage, WA)
- 867 t CHINA, location unknown, believed to be the one w/weak mx & good carrier 1049
9/5, CC talk 1156, then faded so no pips were hrd 1200. (Portzer, WA)
- 868 NORTH KOREA, location unknown, hrd w/fair signal //655 1305 9/29. Was not //
655 1405 10/4. KK singing and talk. (Tomer, CA)
+Noted here 9/19, 9/26, 10/3 //820 1130 w/KCBS pgm. (Seaver, CA)
+Weak 1230 10/24 w/KK talk. (Tomer, CA)
+New freq in poor-fair 1415 10/5 w/KCBS pgm //785. (Tomer, CA)
+10/30 1255 w/weak signal. (Kaskey, CA)
t +Probably the het below 870 1510 11/24. (Portzer, WA)
- 868 ? UNID, het on lower side of WWL-870 various times 1000-1100 10/9. (Portzer, WA)
+1353 10/9--another drifter? On 868.1 10/9, then 868.3 1404 10/11 putting het
on 870. May also be the same one on 869 1243 10/8. No audio apparent any
time. (Hall-Patch, BC)
+Carrier looping TP 1130 10/31. Assume this is N. Korea but China has been hrd
here in the past. (Peterson, CA)
- 869 NORTH KOREA, location unknown, 12/5 1103 hetting WWL. (Seaver, CA)
- 870 CHINA, location unknown, strong w/YL CC talk & gleeful chorus 1153 9/5.
(Portzer, WA)
+Chorus bombing in 1156, mx 1159, then 5 long pips 1200 9/5. (Bytheway, WA)
+Stn in CC ORming Japan 1250 9/10. Assume it's CC as the typical CC opera
style pgm, etc., was atop for a few minutes. (Kaskey, CA)
+CC talk good o/Japan 1235 9/11. (Tomer, CA)
- 870 HAWAII, Honolulu, KAIM, good in JJ w/EE ID 0700 10/28. Faded quickly but re-
turned a minute later w/EE rlg's pgm. Traces of WWL underneath. (Portzer, WA)
+O/WWL 0815 11/1 after nx, sports, etc 0800-0815. (Kaskey, CA)
+S/on w/SSB 1501 & into full stn info by man. Fine signal but no fading. So I
went hunting for KPOI-1040 & KHVV-990 but no traces. (Hall-Patch, BC)
+Fair-good w/ID & Christmas mx 0550 12/6, no sign of WWL. (Hall-Patch, BC)
+Rlg's talk briefly o/WWL 0642 1/1. (Beverage, WA)
+Pgm on mental health 2/4. ID 0902 "You are listening to the Christian BCing
Association, KAIM & KAIM-FM, Honolulu". (Allchin, New Zealand)
+2/15 1005 must be the one w/s/off NA o/WWL. (Korinek, CA)
+1002 4/27; must be the one w/s/off NA o/WWL. (Korinek, CA)
- 870 JAPAN, Kumamoto, JOGB, 9/6 faint u/KIEV 1339. 9/10 good-fair 1225 w/consider-
able CC QRM around 1250. 9/18 w/good sig 1258, u/KIEV 1307-1400. (Kaskey, CA)
+Atop w/poor signal 11/3 1353. (Kaskey, CA)
+Good w/GG lessons, complete w/German mx 1339 & 1349 1/2. A real shock until
the JJ was hrd alternating w/the GG! (Beverage, WA)
+EE lessons, YL talking about the county fair, about how Americans dream of go-
ing to the county fair every year, etc. 1324 3/20. (Bytheway, WA)
+Ultraloud 1340 3/24 w/EE lessons. (Tomer, CA)
+Fair w/JJ talk 1243 4/21. (Tomer, CA)
- 872 ? UNID, het here 10/7 1353. North Korea down from 878?? (Kaskey, CA)
- 877.5 ? UNID, strong carrier again here & drifting 1057-1105 3/20. No audio. Looped
TP. Could it be that N. Korea has returned? (Peterson, CA)
- 880 AUSTRALIA, Brisbane, 4BH, assumed the source of weak EZL mx & DU accented nx
during 1203 fadeup. Back to mx 1205 8/7. (Tomer, CA)
+Assumed w/beautiful mx 1405-1410 10/29. Best signal from this one in many
months. (Tomer, CA)
+Fair 1405-1435 12/14 w/end of nx, then into EZL, spots, ID. (Tomer, CA)
t +Likely the one w/soft MOR vocal & inst mx w/no annts o/u KRNVN/Japan 1322, 1345
1358 1/2. Faded u/QRM in accordance w/the Law of Selective Fading but seemed
to have accented EE nx or wx. Format fits at any rate. (Beverage, WA)
+Fair at end of EZL selection w/TC & "4BH, Beautiful Mx" ID by man, then whole
string of commercial spots 1049 3/23. (Tomer, CA)

- 880 JAPAN, Shizouka, JOPK, //780/840/890 w/fair-good sig 1301-1310. (Kaskey, CA)
 +7780 w/man & woman jabbering away in JJ 1330 3/20, then Muzak 1341.
 (Bytheway, WA)
 +Mixing w/Korea 1342 3/24; had 2 YLs talking in JJ. NHK1 pgm. (Tomer, CA)
- 880 SOUTH KOREA, Gwangju, HLKH, fair w/KK drama, "HLKH" ID 1300 8/31. (Tomer, CA)
 +1077 1300 w/KBS-HLKH ID followed by 3&1 chimes & clock tolling 3 times. 10/7
 1400 atp w/KBS-HLKH ID followed by 2&1 pips. No chimes or tolling this time.
 Was solid atop the entire hour. (Kaskey, CA)
 +One of the few good sigs 10/23. Generally atop 1250-1430. Atop w/pips 1400
 w/5&1 11 second sequence underneath. (Kaskey, CA)
 +Atop w/good sig 11/7 w/KBS-HLKH ID 1000; w/HLKH ID & 2&1 pips 1400 11/3 very
 poor; w/good sig 11/7 0936 w/talk & mx in KK. (Kaskey, CA)
 +1090-1030 12/5. Rather poor for the most part, but 2 low, 1 high pips came
 through 1000. Auroral ex prevailed. (Peterson, CA)
 +Weak 1403 2/13 w/OM in KK, mixed w/low het, some KRVN & unid Ssers. (Tomer, CA)
 +Fair w/talk 1342 3/24. (Tomer, CA)
- 880 NEW ZEALAND, Auckland, LYC, //660 1015 1/9; much weaker. (Tomer, CA)
 +Presumed the one w/light jazz, then accented EE 0935 3/27. Had to null Latin
 for this. (Hall-Patch, BC)
 +Mellow jazz & fair sig 0935 3/27. (Tomer, CA)
 +0954 3/27, longed by listening to // on 660 w/DX-150. 880 was nil-fair w/orch
 mx, not nearly as strong as 660. Fading times seemed different on each freq
 also. (Hall-Patch, BC)
 +Fair 0905 3/27 w/cl violin mx //660. (Tomer, CA)
 +Xint 0735 4/20 w/quiet cl mx, accented EE talk. (Tomer, CA)
- 880 ? UNID, 10/7 1300 5&1 11 sec pip sequence u/S. Korea. At 1400 however there were
 2 sets of 5&1 11 sec pips u/HLKH. Probably China for one but who's the other?
 (Kaskey, CA) (Another Chinese stn? ed)
- 882 ? UNID, carrier w/fair strength looping TP 1215 10/24; also noted 1325 10/12 &
 1425 10/21. (Tomer, CA)
- 885 t MALAYSIA, Kuala Lumpur, good carrier 0820 2/15. (Tomer, CA)
- 885 ? UNID, carrier 0955 10/3 looping S. Asia. Either Indonesia or Malaysia--I'll
 take either one! (Peterson, CA)
 +Weak het 10/7 1349, no audio. (Kaskey, CA)
 +Strong het 10/18 1307-1400, no audio. (Kaskey, CA)
- 887 ? UNID, carrier looping TP 1211 10/31. North Korea listed. (Peterson, CA)
- 890 ALASKA, Adak, AFPS, 8/9 w/good sig, rock mx, mert of Alaska, times in ADT, nx
 1300, AFPS ID 1305. (Tomer, CA)
 +Destroying WLS 9/16 w/rock & inst mx 0730-0800. IE & TC (11 pm) 0800. Nx 0800
 from Alaskan ?? Radio Network. Nx to 0805. Armed Forces R. Network ID; con-
 tinued w/more rock. 1st time hrd in 12 years. WLS quite good on NE/SW SM-2
 pattern but totally wiped out on NW/SE. Adak quite good for 250 w. (Kaskey, CA)
 +9/23 0700-0710 w/nx & no WLS. YL w/nx 0700-0705, then AFPS nx w/man 0705-0710
 mostly poor sig. 9/26 good clear signal w/Big Band mx 0730-0800. (Kaskey, CA)
 +Assumed WLS nx 1400-1405 10/25, lost to China 1405 but resurfaced w/MOR song
 1418. (Tomer, CA)
 +Fair-good w/mert of Alaska, first record of the year, & rundown of bowl games
 to be carried later that day 1023 1/1; then gave away record to the first per-
 son who could correctly identify himself(!) & into John Denver song.
 (Beverage, WA)
- 890 AUSTRALIA, Adelaide, SAN, fair 1103 10/29. (Tomer, CA)
 +Fair w/jazz guitar 1240 2/13; all possible //s were faded at the time but had
 DU looping & DU accented EE talk. (Tomer, CA)
 +Fair w/MOR vocals 1115 4/20; ABC "Nx in Brief" 1200, ABC R. One ID 1202.
 (Tomer, CA)
- 890 CHINA, Nanking, YL in CC 1402 9/29 //4915. (Tomer, CA)
 +On top 1405-1415 10/25; had YL in CC o/lots of low hets. (Tomer, CA)
- 890 JAPAN, Sendai, JOHK, mixing w/Adak 1205 8/9. (Tomer, CA)
 +977 NHK1 fair-good w/pips 1359-1401; 9/18 good 1300-1400. (Kaskey, CA)
 -10/17 atop 0900 w/pips. (Kaskey, CA)
 +Strong 1013 11/28 w/talk in JJ. (Peterson, CA)
 +Strong by 0850 11/14 w/2 men. (Tomer, CA)
 +1101 11/14 JJ talk, scored //670. (Bytheway, WA)
 +Weak w/low hets 1200 2/13; pips & JJ ORM. (Tomer, CA)
 +2/15 1030 fair w/man talking in JJ. (Korinek, CA)
 +Fair u/Aussie w/ballgame 1118 4/20. (Tomer, CA)
- 890 SOUTH KOREA, Pusan, HLKB, in well w/"HLKB" ID & 4 pips 1400 9/28. (Tomer, CA)
 +7/HLKB-880 10/7 1346. (Kaskey, CA)
 +Probably the one w/brief b.t of KK audio u/WLS 0936 10/8. (Portzer, WA)
 +2/15 1040 traded spots w/Japan w/man in KK. (Korinek, CA)
- 891 a FIJI ISLANDS, Lautoka, FEC, R. Fiji National Pgm on AN w/election results 1145-
 1320 9/24. A few musical selections, pop, S. Sea Island type, & Hindustani.
 3pts of election results in 3 languages - EE, Hindustani, & Fijian. Very few
 fades. Still going at 1320 tuneout. An unexpected surprise. A het w/890 & a
 little slop from 900 from time to time but not a bad sig. (Williams, OR)
 +1055-1102 10/29 w/YL chanting; then short anmt by man in Hindustani 1101, then

- "R. Fiji Nx" announced authoritatively in EE 1102. Xlnt. (Tomer, CA)
 +Strong 0853-0950 11/14 w/play, no break across hour. (Tomer, CA)
 +Probably the het observed here 0955-1000 11/14. Looped S. Pacific.
 (Peterson, CA)
 +12/5 xlnt at times 1038-1102 (but not across 1100 of course!) w/Hindi-type mx &
 talk. This is very difficult to separate from WLS since they are 180° apart on
 the loop. Anyone know s/off time? (Seaver, CA)
 +Loud het on 890, some Indian mx 0848 1/23. (Portzer, WA)
 +Great w/Hindu chant 1024 2/13. (Tomer, CA)
 +Fair w/non-EE talk 0845 2/18. (Tomer, CA)
 +Good w/Hindi mx looping DU 1025 3/20. (Bytheway, WA)
- 891.2 FIJI ISLANDS, Lautoka, FBC, assumed the one looping DU w/male talk in non-EE
 followed by Indian mx 0857 11/28, then faded out 0859. (Portzer, WA)
 +Good 1/1 & 1/2 after 0700 or so w/lots of Indian mx & occasional Hindi talk.
 Had EE nx 1000 1/2, then s/off in Hindi w/"kilohertz" mentioned a couple times,
 then EE s/off w/ID as "R. Fiji 2" 1102. Choral anthem followed. Freq measured
 as 891.202. Seemed to leave xr on the rest of the night; the resulting 1.2 kHz
 het from them & the het from another stn several hundred Hz off 890 caused the
 most gawdawful racket imaginable. (Beverage, WA)
 +1/14 1118 probable source of strong het. (Korinek, CA)
- 892 FIJI ISLANDS, Lautoka, FBC, now drifted here 1800 8/25. (NZDXT)
- 895 ? UNID, weak carrier, SE Asia loop 1040 2/9. Brunei listed; Sabah also in well
 at same time. (Tomer, CA)
- 930 ALASKA, Ketchikan, KTKN, 0559 10/3 possible jingle, then mostly CJCA here until
 0622 PSA for Ketchikan Hospital Bond, 0624 Alaska & local wx, then ad & cw mx.
 (Bytneway, WA)
- 940 HAWAII, Waipahu, KAHU, noted in Hawaiian 1425-1435 10/22 during KPFE fades; man
 gave ID as "Rahdio Kah-hoo". Always hrd w/cw before. (Tomer, CA)
 +Surfaced o/KPFE w/ID as "Kah hoo", then faded down 1318 2/5.
 (A. Ichin, New Zealand)
 +Fair-good 0935 4/10 w/cw & SID afte. every other song. (Tomer, CA)
- 950 JAPAN, Tokyo, JOKR, 3/25 1500 in JJ w/male ancr, pips on hr: ..- & into JJ mx &
 EE pops of late 60's. (Hardester, Okinawa)
- 968.8 t SOUTH KOREA, Gimje, HLSR, strong carrier 1110 10/31 looping TP. KABL-960
 splash pretty bad most of the time. (Peterson, CA)
- 969 SOUTH KOREA, Gimje, HLSR, must be the one hrd w/good sig at LSR lately w/4 pips
 on hour. Man & woman in KK, lively orch mx. Probable "HLSR" ID 1400 10/3
 before the pips, not 100% sure though. In really well after 1400 10/4 as 970
 domestics lost strength. Listed as 500 kw foreign outlet, pgm in KK.
 (Tomer, CA)
 t +10/8 man in KK 1350. (Williams, OR)
 +Strong carrier, some talk 1428 11/18. (Tomer, CA)
- 973 t USSR, Yuzhno-Sakhalinsk, RSFSR, fair carrier 1210 9/19. (Tomer, CA)
 +Weak 9/29, had woman singing 1340, OM talking 1405. Tough w/local 980 on.
 (Tomer, CA)
- 973 ? UNID, het noted 10/9 against 970 1220. No audio. (Kaskey, CA)
 a +3 kHz het on high side of 970 1240 1/1. No audio. (Beverage, WA)
- 975 t CHINA, Haerbin, probable source of good carrier 1350 9/28. (Tomer, CA)
- 990 HAWAII, Honolulu, KHVH, 10/26, now here, ex-1040. Did everything except say
 "KHVH" 0633-0715; Aen nx ending 0635, then NBC NIS "nx sounder" & into HST TC &
 Hawaiian-type ancr (in EE) w/local nx, Hawaiian names & places. Nil-fair w/
 long deep fades, but in the next half hour had NBC stock-market feature, CBS
 feature, 0700 Ain nx, then local nx again. Hrd various HST TCs on "News 99"
 but they never said "KHVH". 0700 legal ID was clobbered by KKIS which was weak
 to nil before 0700 but difficult to null thereafter. (Hardy, WA)
 +11/7 0943 finally hrd a "KHVH Nxradio 99" (a YL rpt) & into CBS feature. Poor
 w/KKIS nulled. (Hardy, WA)
 +11/15 0656-0700 Aen commentary, ID 0700 & into CBS nx. Poor-fair w/CBW.
 (N. Hardy, WA)
 +All-nx stuff 0930-1005, including CBS nx 0930.12/5. Lots of KKIS QRM & an un-
 usually large amount of KJR-950 slop. (Portzer, WA)
 t +12/22 1008 w/nx, ments of Honolulu poor-nil. (Bixby, CA)
 +Assumed the all-nx stn here 0912 1/1. (Beverage, WA)
 +Xlnt level 1106 2/5 w/frequent IDs as "Nxradio 99, KHVH". (Allchin, New Zealand)
 +KKIS off for the first time in years. Hrd 0850-0915 2/6. Drama leading up to
 the hour, a PSA, ID on the hour, nx. Best 0915. (Peterson, CA)
- 998 USSR, RSFSR, RR good 1905. (NZDXT)
- 999 ? UNID, het & weak carrier on low side of KOMO-1000 1248 1/1; again 1307. Traces
 of audio were noted w/KOMO but believe they were from something on 1000.
 300 kwer in Jakarta listed. (Beverage, WA)
- 1000 JAPAN, NHK1 sychros fair 0955 4/10 w/JJ talk //880; NHK pips 1000 but too weak
 for specific ID. (Tomer, CA)
- 1000 NEW ZEALAND, Tauranga, 12D, the best & most regular DU on MMs, 7/18 good 0746-

- . 0926, 0800 nx, 0900 "R. N.Z." nx intro, wx, old pops, KOMO off alternate MMS w/TT & no TT. (Seaver, CA)
- t +0956-1002 9/26 tuned into man doing wx rpts, I think, in accented EE but audio too poor for place names. Then into inst mx, sig getting stronger & I'm all set for an ID but, no, straight into international nx w/OM reading. A couple of low hets but it was easy to put those carriers outside the mechanical filter's bandpass & still get my signal. (Hall-Patch, BC)
- +Fair in Colombian's null 1/2 0938 & 1003 w/soccer game, KOMO off. (Seaver, CA)
- t +Almost certainly the one w/country rock & fast talking DJ w/DO accent 1020-1045 1/16. Never Ided. Nil-fabulous w/some HJAO QRM. (Hall-Patch, BC)
- +Probably the source of weak EE talk 0856 3/27. (Tomer, CA)
- t +Almost certainly the one w/cw mx & man mentioning N.Z. 1108 3/27. Nil-fair. Only SS across the hour unfortunately so no positive ID. (Hall-Patch, BC)
- +Briefly w/fair sig 1032 4/24; had just started a BBC Comedy. (Tomer, CA)
- 1000 ? UNID, weak TP w/CC-sounding talk hrd 1140 10/24. (Tomer, CA)
- 1008 ? UNID, fierce het & bits of audio 1245 1/1 but too much electrical noise & slop to tell much more. (Beverage, WA)
- 1010 JAPAN, Osaka, JONR, 10/17 atop w/JJ talk & mx 0931. (Kaskey, CA)
- +JJ man & woman alternating w/Mexican, then mx 1011 11/14. Tuned back 1100 & hrd multi-toned IS, then JJ talk. (Bytheway, WA)
- +Most likely w/US pops, JJ DJ; superfantastic hi-fi signal at peaks! Hrd 1145-1155 11/14, some XEHL QRM. (Tomer, CA)
- 1010 ? UNID, 1000 12/5 w/mx box IS, uncomprehensible ID by YL, then unusual sounding time pips, possibly 2 sets mixing: ---, pips were of long duration like like China's but only 4 were hrd, the 3rd & 4th being superimposed. Possibly Japan & China mixing. (Tomer, CA)
- 1016 USSR, Baku, RSFSR, 1831-1900 w/RR pgm; Moscow IS & ID on hour. Mixing w/unid Arabic-like stn (Turkey?) w/Koran-like prayers(?) on 1016.008. This on 3/24 w/ Beijing-1020 QRM. Both stns alternated in peaking for about 5 minutes w/maximum of fair sig. This stn was measured on 1015.988. (Hardester, Okinawa)
- 1020 TONGA, Nuku'alofa, A3Z, weak 0950-1000 12/26, looping SW. (Peterson, CA)
- +Weak-good on wide open freq 0935-0955 fadeout 2/20. Mx ranged from ukelele to Elvis, YL DJ talking in native language. (Tomer, CA)
- 1020 UNID, 0850-0901 11/28 found here w/good volume on peaks on generally E-W bearing, all US stns off. About 8 mins of brisk, bubbly mx, pips or flute sounds conspicuous, & singing voices of either children or young women on the vocal portions. My wife thought the mx sounded CC or Indian -- a son came up w/the word Oriental to describe it. As 0900 approached the stn weakened & LAs were hrd taking to the air about 2 mins before the hour--new hets showing up. Taped nothing on the hour. Nulled when loop was pointed N-S; neither SAs or CAs are nulled in that position. KDKA OC arrived 0904. KDKA OC arrived 0904. By 0914 I Ided one of the LAs as Venezuela. W/KDKA in a fade & Venezuela nulled, found this stn on SW bearing about 0917 w/inst mx, no singing next 5-6 mins. Couldn't make any more through KDKA carrier. (Martin, CO)
- +May have been Tonga, had very weak talk by OM 1002 2/13 that sounded like a Polynesian or similar dialect. KTNQ off. (Tomer, CA)
- 1025 ? UNID, weak carrier looping TP 1020 12/5; Siberian listed. (Tomer, CA)
- 1030 t CHINA, location unknown, briefly w/CC talk 1340 9/18 w/low growling hets. (Tomer, CA)
- +Fair 1400 9/20; had 6 CC style pips, then YL in CC. (Tomer, CA)
- +Weak 1010 10/3 during brief XEQR SP. XEQR back on as usual about 3 mins later wiping out every vestige of China. (Peterson, CA)
- +Weak w/emphatic CC talk 1152 11/14. (Tomer, CA)
- 1030 SOLOMON ISLANDS, Honaira, VQC, good w/MOR version of "Mr Tambourine Man" 0823 1/2, then "Saturday Night" by the Bay City Rollers. Beautiful ID as Solomon Islands BCING Corporation giving call letters & freqs for BCB & SW 0830 by man w/native accent. Then had pgm of messages for residents of outlying islands (I guess), mostly in native language but w/some words & sentences in EE. At one point the ancr mentioned the name "Mr. ", then stopped & chuckled when he realized the "person" was a ship. Had wx 0837, then back into mx. Good o/XEQR el al but bothered slightly by electrical noise. (Beverage, WA)
- t +1103 1/9 w/good Pacific cx, this seems possible. Very poor but seemed to be nx in accented EE 1100. CFXA splat too much to get anything definite. (Hall-Patch, BC)
- +0913-0958 3/27 nil-xlnt w/native OM & native mx very similar to Tarawa's //5020 SW. Fade across hour, then DJ accented EE man gave "SIBS" ID 1010, then more native mx w/EE talk //5020. (Tomer, CA)
- +Fair-good w/OM talking in Pidgin EE 0935 4/10 //5020 SW. (Tomer, CA)
- 1030 ? UNID, briefly hrd what sounded like CC opera 1235 8/7, all alone. (Tomer, CA)
- +May have been Solomons- had man w/talk that could have passed for accented EE 0953 2/13. Sure wasn't WBZ. (Tomer, CA)
- 1032 ? UNID, strong carrier, weak CC-sounding talk 1435-1500 11/17, fade at ID time, then quiet mx until 1515 tuneout. China-1030 also in so not them off freq. Couldn't find any //s. Again 1435 11/18. (Tomer, CA) (4 Chinese stns listed here, so maybe one was off freq & not // the one you hrd on 1030. ed)
- 1034 ? UNID, carrier 1030 10/10, very weak. Indonesia drifted off 1035? (Peterson, CA)

+Carrier looping TP 1123 10/24. N. Korea off freq? (Peterson, CA)

- 1040 CHINA, Shanghai, fair w/JJ talk 1345 8/7. (Tomer, CA)
+YL talk w/WHO 1051 9/5. (Portzer, WA)
+9/6 o/Hawaii 1344:9/10 fair-good 1220, better 1242. (Kaskey, CA)
+1310 9/28 OM & YL w/CC &/or JJ talk. Could be CC lesson for JJ. Then had YL singing. Fair sig. (Bergman, CA)
+Fair 1307 10/7 w/YL in JJ. "Peking Hoso" ID 1330, reception splattered by CFXA-1070 as usual. Was //4960/7480 SW. (Hall-Patch, BC)
+JJ pgm 10/9 1224-1230, very good. (Kaskey, CA)
+Strong w/singing 1115 10/10. Almost equal to WHO at times. (Peterson, CA)
+Very weak 1415 2/13; talk that sounded JJ. (Tomer, CA)
+1501 2/18 YL in JJ w/fair sig. (Williams, OR)
+In well 1120 3/20 w/WHO looped. Long time no see. (Peterson, CA)
+Strong 1420 3/24 w/JJ talk. (Tomer, CA)
- 1040 HAWAII, Honolulu, KPOI, 1305 10/22 on new freq w/"K-POI 100, w/the new sound". Mellow rock mx, noticeably stronger than KHVH ever was, will become one of the easier Hawaiians & make 4ZB a real toughie. (Tomer, CA)
+Creaming WHO w/light rock & laid-back ancr 0650 10/28, "K-Poi 100" IDs. (Portzer, WA)
+Mx & wx 1415-1420 11/3, ID & into rock mx. No ORM. (Kaskey, CA)
+Hrd for first time on 1040 0945-0930 11/14, fighting WHO w/rr. (Peterson, CA)
+Very strong w/soft-rock & K-poi 100" IDs 0806 11/20. Interesting that there was no sign of KORL-650 at the time, tho KIKI-830 was in well. Might now be the best bet for Hawaii for East Coast & Midwest DXers. (Portzer, WA)
+11/21 0640-0652, DJ unreadable 0640 followed by 3 straight album-rock songs, then 0651 "on the new K-poi 100" in a "K-poi total mx hour". Sounded more like album rock than straight top 40, so maybe they get "heavy" at night. Fair-good w/WHO nulled out. (B. Hardy, WA)
+11/21 0650; ments of "K-poi" following album cuts; good w/WHO nulled. (N. Hardy, WA)
+11/27 during WHO SP. Off & on 0720-0810 on NE/SW loop bearing, battling all the local images which co-habit 1040. The single ID hrd came at 0758. Only a very strong signal could whip the images, so I would have to say this is the strongest Hawaiian I have ever hrd here. Pop mx, I would classify it as a non-raucous rock. (Martin, CO)
+First noted 0812 12/5 poor w/jazzy rock but too much CFXA-1070 splat. Returned 0824 for HST TC, ment of Hawaii, then mx. Good & clear. After 3 minutes of mx a nice K-poi 100 ID. (Hall-Patch, BC)
+Finally w/fair level 1432 12/7 w/rr mx, no ID by 1443 fadeout. (Bixby, CA)
+12/13 1359 fair w/"You're listening to K-poi 100, K-P-O-I, Honolulu" & into album rock w/IDs 1411 & 1430. (Bixby, CA)
+Strong w/rr 0738 1/1 w/WHO off. (Beverage, WA)
+1/14 1312 u/WHO w/"Nights in White Satin". (Korinek, CA)
+0758 fair w/Beatles mx special during WHO SP. (Korinek, CA)
+Mixed w/4ZB until 42B s/off 1105 2/5. Then xint w/frequent "K-poi 100" IDs. (Allchin, New Zealand)
+Blasting in w/rock mx 1135 2/13; WHO way underneath. (Portzer, WA)
+ "K-poi 100" ID after Van Morrison song, fair, 0530 3/16. Some CFXA-1070 but no WHO. Earliest ever for this one. Gone at 0625 recheck. (Hall-Patch, BC)
+4/16 1305 loud & clear w/"K-poi 100" ID & into wx. Male ancr w/mellow rock. (Korinek, CA)
- 1040 SOUTH KOREA, Chungchon, AFKN, 1913-1930 w/Big-band Sound pgm by man 3/24. Military promos. Good w/slight fading. Measured as 1039.994. (Hardester, Okinawa)
- 1044 ? UNID, BFO traces here 9/26 1206. DU DXers report Biak, Irian Jaya here rather than on listed 1116. (Seaver, CA)
- 1050 WESTERN SAMOA, Apia, 2AP, poor-fair 0717-1000 s/off, EE, 8/28. (NZDXT)
+0630 w/pgm "Dateline London", later mixed w/2CA. 1050 clear as IYE has moved to 970. (Allchin, New Zealand)
- 1053 t INDONESIA, Jayapura, RRI, probably the xint carrier 8/18 1216, 8/22 1055 w/some audio. This is listed 10 kw, but is the closest Indonesian (7000 miles) & the most southerly path. LSS is about 0835 in Sept. (Seaver, CA)
+Good carrier looping SE Asia 1142 & later 11/28. Also 1152 12/5. (Peterson, CA)
- 1053 ? UNID, BFO traces here 9/26 1120 & 1205, probably Indonesian. Carrier often fair but audio almost never heard. (Seaver, CA)
+Carrier 1132 10/3 looping S. Asia. Assumed Indonesian. Not hrd before. Not a bad freq for the bay area. (Peterson, CA)
+Carrier looping S. Asia 1147 10/31. No audio. (Peterson, CA)
- 1055 ? UNID, carrier fairly weak, noted here 1153 12/5. China & Malaysia both listed since the latter is 10 kw, more likely is China. Nothing hrd here before. (Peterson, CA)
- 1080 HAWAII, Honolulu, KIOE, 0600 onwards at very good level w/frequent "K-108" IDs Occasional KRLD QRM 2/4. (Allchin, NZ)
- 1080 NORTH KOREA, Haeju, KBS Home Service, male talks & orch mx 3/26 1400. Pips or hour but mixing badly w/other stns so can't tell exact number. Measured as 1080.076. (Hardester, Okinawa)
- 1088 USSR, Krasnodar, RR strong 1945-2000. (NZDXT)

- 1120 CHINA, unknown location, 1015-1030 10/24 w/YL in CC, operatic singing, then 5&1 CC-style pips 1100. Weak w/low hets u/KMOX null. (Tomer, CA)
- 1120 ? UNID, likely China u/KPNW OC & KMOX 10/10 1120. Not in CC, perhaps KK or RR. (Peterson, CA)
- 1130 t JAPAN, Tokyo, JOQR, probably the source of JJ talk 1223 11/14 o/u CKWX null; good signal. (Tomer, CA)
- 1130 t HAWAII, Kailua, KLEI, likely the one w/inst Hawaiian mx 1019 1/23 w/CKWX unusually weak & null'd. (Portzter, WA)
- 1130 PHILIPPINES, Manila, DZXL (not DWXL as per 78 WRTH), Tagalog talks by men 3/22 0953-1013. Pop mx & Tagalog/EE ID on hour. Fair w/QRM from N. Korea-1134. Frequency measured as 1129.998. (Hardester, Okinawa)
- 1134 t INDONESIA, Banjarmasin, RRI, only a weak carrier 8/22 1045. LSS about 1021. This is 50 kw on Kalimantan. (Seaver, CA)
 +First Indonesian audio! Fair 1150-1205 11/20. Talk by man & woman, also singing. Bad CKWX-1130 sloop foiled any chance for ID. PFM 1134.000+Hz at 1205. Carrier only 1147 11/28. Again w/audio, good from time to time, 1115-1135 & around 1200 12/5. YL spoke in unfamiliar Asian language, Indonesian I assume. Best audio 1115. Sig got worse as the hour passed & had about had it at ID time in compliance w/Murley's law. Looks like 1100 may be the ideal time. Has never been good at 1200 & 1300 sees KRAK-1140 cme on which wipes it out. (Peterson, CA)
 +In w/audio on a regular basis. 1100 12/12 brought poor audio at best but was overall a good morning. 1030-1105 12/19 better audio, talk & guitar mx. 1140-1205 12/26 brought fair audio w/big fades, esp at ID time! Measured freq as 1134.000+0.004 kHz on 12/26. (Peterson, CA)
 +Strong carrier 1135 1/1. Mx noted 1138, a weird sounding male pop vocal followed by talk in unid language. After sitting on 864 for a while tuned back here 1203 & hrd male talk, good on peaks but w/horrible CKWX splatter. YL talk 1215 w/possible ment of Indonesia, freq measured as 1134+0.002 kHz, choral mx briefly 1220, then YL again 1221. Slightly stronger than 864, but more adjacent channel splatter. Not //864. Don't know if they also have the chimes hrd on 864/855 as was never here across the hour. (Beverage, WA)
 +Audio again; in fact, best ever 1150-1215 1/2. Very steady on 1134.000. Looks like RRI keeps a tight reign on freq. (Peterson, CA)
 t +The proverbial good carrier w/some audio here again 1050 2/9. (Tomer, CA)
- 1134 ? UNID, weak carrier 1145 10/3, could be Indonesia or perhaps the Korean, although the loop pointed more towards Indonesia. (Peterson, CA)
 +Carrier 1225 10/10 looping towards Indonesia. Not too strong. (Peterson, CA)
 +Carrier 1030 10/24; often noted but no audio. (Tomer, CA)
 +Strong carrier looping Indonesian, weak talk by YL 1210 10/31. (Tomer, CA)
- 1135 ? UNID, weak carrier 1309 4/21 could be N. Korea or just about anybody. (Tomer, CA) (Could be you had Indonesia-1134. N. Korea is apparently highly directional to the south as they've never been hrd in the U.S. or Canada (to the best of my knowledge), even though they blast in S. Korea & DU DXers hear them w/good signals. ed)
- 1140 JAPAN, Kyoto, JOBR, 1525 3/25 w/male ancr in JJ & JJ pops. Fair level w/fading. (Hardester, Okinawa)
- 1140 PHILIPPINES, Porc, VOA, EE ID, Yankee Doodle, into Vietnamese pgm 3/25 1400. Xint signal. Measured frequency as 1140.001. (Hardester, Okinawa)
- 1170 ? UNID, JJ vocal mx & talk briefly atop KVOO 1125 & 1132 1/1. KOHO or JOUK apparently. (Beverage, WA)
- 1178 ? UNID, carrier 1150 11/6, but no audio (using BFO). Rechecked 1200 for possible ID - gone. Using SPR-4 & CW switched to Sanserino loop & gone. Will follow this up. (Hardester, Okinawa)
- 1179 a? UNID, strong carrier 1225 10/31 looping FE Asia; hrd again 1205 11/4, also w/strong signal. (Tomer, CA)
- 1180 JAPAN, Osaka, JOOR, most likely w/man & woman DJs, US pop mx, hrd 1110 11/14 until KOFI s/on. Format exactly the same as what I've hrd on JOOR-1210, but no IDs given on the hour. At 1130 YL said what sounded like "This is All-Osaka Radio" in EE, not 100% sure, though. (Tomer, CA)
 +Poor & fighting WHAM & KOFI OC at times 1220-1225 11/28. Also had KLOK-1170 sloop as well. (Peterson, CA)
 +Most likely, JJ talk, US pops, 1135-1145 12/12. (Tomer, CA)
 +Apparently the one w/"Green Green Grass of Home" in JJ 1120 1/1, the collage of US cw hits by Johnny Cash, Olivia Newton-John, etc. & man talking in JJ about "country mx". (Beverage, WA)
 +Fair w/JJ chatter 1416 3/24 as KOFI faded. (Tomer, CA)
- 1180 ? UNID, oriental TP w/talk that sounded like KK but could have been some other language followed by some big band mx 1134 2/19. (Tomer, CA)
- 1190 JAPAN, Kitami, JOKP, JJ talk good 1015 10/9 u/KEX tone burst ET. (Portzter, WA)
 +Fair & steady 1130-1200 2/19 w/JJ comedy; "JOCP" (sic) & 3&1 pips w/a second set of pips underneath. (Tomer, CA)
 t +Possible JJ talk noted among the clutter here 1119 3/19 w/KEX off. (Portzter, WA)

- 1190 SOUTH KOREA, Inchon, HLKX, 3/22 0850-0918 w/EE rlgS pgm & full ID on hour. In-to "Candlelight & Silver" pgm of semi-cl & easy listening mx 0905. Good level. Measured frequency as 1189.998. (Hardester, Okinawa)
- 1195 ? UNID, carrier, SE Asia loop, good strength 0830 3/20. Seems too early for the Indonesian. (Tomer, CA)
- 1196 PHILIPPINES, Surigao, DXRS, 1315-1400+ 1/1 w/MoR pop vocals sung in unid lang & male ancr who sometimes liked to talk in middle of songs. Language was later identified by Charlie Taylor as Tagalog. Freq measured as 1196.153+.002 kHz at 1339. One mention of Surigao. Was good-nil in strength. No ID heard, but station later confirmed a taped reception report as having been them. (Beverage, WA)
- 1196 ? UNID, weak TP carrier 1032 2/19. Maybe the Philippines. (Tomer, CA)
+Carrier weak 1308 4/21, possibly the Filipino. (Tomer, CA)
- 1200 ? JAPAN, unid station, JJ talk 1315-1400 11/28. WOI perfectly looped. Couldn't catch ID but could well be JOBF. On hour - - pips, all pitched unusually high, hrd. (Peterson, CA)
- 1205.3 ? UNID, carrier & bits of audio sounding like a TT or het here 1226 1/1. (Beverage, WA)
- 1205.5 PHILIPPINES, Bacolod City, DYRH, ID & Tagalog talk 1030 3/22. Fair. Measured as 1205.498. (Hardester, Okinawa)
- 1205.5 a? UNID, carrier w/good strength causing a loud 500 Hz het w/1206 1255 4/21, maybe DYRH. This & 1206 hrd often lately after 1200. (Tomer, CA)
- 1206 t INDONESIA, Denpasar, RRI, good carrier & 6 pip sequence noted 1300 4/21 w/some Indo-sounding talk. At 1314 had inst mx seemingly //RRI-Denpasar-3945, but not sure due to amateur ORM on 3945. No positive ID but this seems to be the strongest & most frequently hrd Indonesian here. (Tomer, CA)
- 1206 ? UNID, carrier looping SE Asia, moderate strength 1213 11/20 & 1152 11/28, separable from Cayman-1205 11/28. Indonesia? (Peterson, CA)
+From Indonesia/Philippines region, putting solid carrier 1212 12/26. (Seaver, CA)
+SE Asia 2/24 & 2/25 1425-1453 YL possibly in Tagalog or possibly Indonesian, not sure. 3 or 4 vocals by man. Lost 1453. Looped SW. Played back tape twice but still can't get any possible ID. 2/25 1447-1456 s/off or lost. Islamic-type chanting by man. Philippines or Indonesia? (Williams, OR) (Indo/Phil area should loop about WNW of here Dave. The Islamic chants suggest Indonesia, a Moslem country, rather than the Philippines, which is predominantly Christian. ed)
+Man talking in Austronesian-sounding language 1408 3/24. Really blasting in during peaks. Maybe RRI. (Tomer, CA)
+4/17 1238-1304 good carrier, weak audio. Only orch mx hrd. No pips on the hour. Loop pointed directly at Indonesia! (Koeinek, CA)
- 1210 CHINA, Yenbien, presumed w/CC talk 1255 8/24: fair. (Tomer, CA)
+Is the CC here, 9/26 0948, no pips 1000, killed by KGYN 1030. This is Yanji province & is nominally Yanbian Korean Autonomous Prefecture listed w/KK pgm to 1430 in WRRH. Hrd in CC for above reception. Dominates w/JOOR moved to 1180. (Seaver, CA)
+Most likely, in quite well 10/23 1326-1415. (Kaskey, CA)
+Good w/talk & orch mx 1015 10/24. (Tomer, CA)
+Fair 11/3 1341, CC mx & talk. (Kaskey, CA)
+Strong w/man in KK 0827 11/14. (Tomer, CA)
+Domestic pgm fair 1427 3/24 w/CC opera. (Tomer, CA)
+4/16 1220-1310 good w/YL in CC & light orch mx. No pips 1300 although definite IS gave it away as China 1302. (Korinek, CA)
- 1210 t HAWAII, Honolulu, KZOO, believe to be the one w/what sounds like a s/off in JJ beginning & ending w/a few notes plucked on a Japanese stringed inst 1005 1/1. After listening to the tape we all agree it should be a KZOO anmt or s/off but there's nothing there to justify the claim. Fairly sure the words sounding like "Ohio Gizaymas (or however it's pronounced)", JJ for Good Day, were hrd, but that's the best we could do. (Beverage, WA)
+Xlnt during peaks 0830-0858 2/17 w/what I guess is their Filipino pgm, had MoR & YL DJ. 0858 YL switched to EE & said "good night until..." At 0900 another YL started in JJ w/possible "KZOO" mention. At 0902 a third YL started the long awaited legal EE ID w/all the details! Then off. Barely perceptible on amplified loops; loud & clear on 400' longwire! (Tomer, CA)
+Weak 0800 4/20 w>ID, PSAs, then EE pgm, said to be on every Wednesday evening. (Tomer, CA)
- 1210 ? UNID, looping DU 1305 8/11, had telephone talk pgm, sounded like DU accented EE; 3 privately owned Aussies listed. (Tomer, CA)
+0957 8/13 running unfamiliar chimes type IS. Hrd briefly w/fair sig, then gone possibly off the air by 1000. (Tomer, CA)
+Way u/KGYN 1315 10/10 just snatches of audio readable. Either China or Japan. (Peterson, CA)
- 1212 CHINA, Peking, EE fair 1844-1855 s/off. Freq announced as 1210. (NZDXT)
- 1214+ ? UNID, weak-fair carrier, some Indo-sounding talk 1308 4/21. (Tomer, CA)
- 1215 ? UNID, BFO traces here 9/26 1150. This may be Indonesia. (Seaver, CA)

- +Carrier 1432 11/17 & 1440 11/18; weak at best; looping Indonesia. (Tomer, CA)
+Carrier looping SE Asia, weak, 1154 11/28. Indonesia? (Peterson, CA)
- 1224 ? UNID, carrier looping NE Asia weak 1155 11/28; nothing listed. (Seaver, CA)
- 1250 t CHINA, Xining, fair w/KYAC null 1115 10/24 w/YL in CC. Possible ID or pips at 1200 covered by WREN, but Loud & clear w/YL again 1205. (Tomer, CA)
- 1250 t USSR, Vladivostok, RSFSR, CC talk w/KYAC null w/fair sig 1140 11/14. This pgm was in CC but didn't sound like those from China so I assume it was from the Vladivostok FS outlet. (Tomer, CA)
- 1270 t JAPAN, Fukuoka, JOFR, most likely the stn w/JJ talk & JJ MoR songs 0905-0925 12/5. (Tomer, CA) (KNDI carries some JJ, but I don't know when. ed)
- 1270 HAWAII, Honolulu, KNDI, since their lease on a Pearl Harbor xr site has expired and they have shifted to the new site on Sand Island, no reports have been received, according to Alan Roycroft. The stn has been somewhat weaker than usual in New Zealand. (NZDXT)
+Fair-good 0755 2/5 w/some slop from 22C-1280. Other US stns underneath. (Allchin, New Zealand)
- 1285 NORTH KOREA, Hyesan, xint 1311. (NZDXT)
- 1287 ? UNID, weak carrier looping SE Asia 1218 11/20; Indonesia listed. (Peterson, CA)
- 1290 t JAPAN, Sapporo, JOHR, good w/JJ talk 1204 1/2. (Beverage, WA)
- 1310 JAPAN, Osaka, JOUF, 11/7 w/talk in JJ thru QRM 0947. Sig increased in strength until tuneout 1020. At 1000 had fanfare, jx, talk, 1 long pip, mx, & talk but could not make out any type of ID or call given. Will have to brush up on my JJ a bit more, hi. (All Japanese stns use EE call letters at ID time, when & if they use them, since there is no equivalent JJ alphabet. ed)
+Likely source of rapid-fire JJ talk 0834 12/5, weak. (Tomer, CA)
+Dominant 1205 1/2. (Beverage, WA)
- 1310 HAWAII, Kahului, KNUI, lousy in mud 0825 12/5 w/end of "American Pie", TC, ID. (Bixby, CA)
- 1313 PHILIPPINES, Iloilo City, DYII, good 1840-1904 at times 5/23. "Mindanao Network". (NZDXT)
- 1330 JAPAN, Nagoya, JOSF, 1758-1810 3/26 w/male in JJ mixing badly w/China. Believe pips on the hour, but not sure. (Hardester, Okinawa)
- 1350 HAWAII, Lihue, KIVM, loud 0839 2/18 w/KIVM promo; rr mx w/Hawaiian accented EE DJ. (Tomer, CA)
+2/24 0859 definite s/ouf at 11 pm local time, wished us all "Aloha" so I'm sure it was them instead of KIDN (ex-KKAM). Average signal o/LPRTs w/KRIC nullified. Looks like KIVM is no longer AN, whereas KIDN is, so be careful! (B. Hardy, WA)
- 1376 USSR, Vladivostok, RSFSR, assumed source of strong carrier 1350 8/7. (Tomer, CA)
+RR talk 1032, then mx 1036 9/5. (Bytheway, WA)
+Strong w/YL in RR, stronger than 1380 domestics 1101 9/5. (Portzer, WA)
+Good carrier, weak audio 1417 9/18. (Tomer, CA)
t +Just a carrier w/much KRKO-1380 splash 1348 10/7. Briefly fair w/YL talk 1102 10/10. (Hall-Patch, BC)
+Good carrier 0924 10/24; quiet mx 1010. (Tomer, CA)
+Mx 0929 11/14, then Kremlin chimes 0930 11/14. (Bytheway, WA)
+Fair 0920 1/1 w/MoR inst mx. (Beverage, WA)
+Fair 1210 2/19 w/light orch mx & RR talk. (Tomer, CA)
- 1385 PHOENIX ISLANDS, Canton Island, WXLE, soft jazz 1355 8/7. The ease w/which this weak stn can sometimes be hrd between the domestics leads me to believe that when DJs go to 9 kHz spacing this will be a very long column. (Tomer, CA)
t +Weak soft mx noted here w/long fades, looping into Pacific 0750 10/24. Still there 1055-1105 but no talk; just wall-to-wall mx. (Hall-Patch, BC)
+Good carrier 0930 10/24; Neil Diamond song 1001. (Tomer, CA)
+0950-1001 12/12 nil to monster sig w/laid-back inst mx. Finally hrd "You're listening to WXLE..." at 1020. Having KRKO-1380 off sure helps this one come through. (Hall-Patch, BC)
+Nil-fair carrier 0715-0735 12/18; some quiet mx hrd during peaks. (Tomer, CA)
+12/19 0840 poor-fair w/MoR-ish light mx, 0900 ID as "This is WXLE, from Canton Island in the Phoenix Islands, Radio 1385." by YL. Report sent. (Bixby, CA)
+In well all weekend (late evening to near dawn at any rate, hi) 1/1-2. Seems to play quite a variety of mx, mostly syrupy MoR such as at 0654 1/1 & 1105 1/1 but also had cl guitar mx at one point & rock mx of sorts 1148 1/2. Has very good sig, equal to 1380 & 1390 domestics 1130 1/2. Unfortunately, despite what seemed like hours of waiting, they never had any anmts at all, let alone IDs. (Beverage, WA)
+Carrier & het only, at good level, no audio, 1011 1/23. (Portzer, WA)
+Weak but clear 1045 2/9 w/MoR vocal. (Tomer, CA)
+0851 2/13 w/beautiful mx looping SW. Rough reception due to obnoxious garbage sloping over from 1390. Still there 0915 but no IDs or anmts hrd. (Bytheway, WA)
+Easy listening mx weakly 0928 2/13. (Portzer, WA)
- 1386 PHOENIX ISLANDS, Canton Island, WXLE, 3/27 1030, very weak w/light continuous pop mx looping SW. PFM was 1386000±1 Hz, implying a new cr well maintained xr.

Format, cx, & PFM all point to WXLE jumping the gun on the 9 kHz plan.
(Hall-Patch, BC)

1410

JAPAN, Fukuoka, JOIF, 1606-1630 3/26 w/man in JJ. NHK-like pips on hour; rr mx of late 60's in EE, & JJ pops. Good w/slight fading. Frequency measured as 1410.003. (Hardester, Okinawa)

1423.4

PHILIPPINES, Dagupan City, DZDL, 1237-1400 s/off, fair, much fading. (NZDXT)

1440

JAPAN, Sapporo, JOWF, 0926-0930 10/24 w/man & woman in JJ, MoR mx, spots; ID & single pip 1000. (Tomer, CA)
+10/31 w/JJ talk & song "Don't Fence Me In" 0912. Fair w/KEST splatter. (Kaskey, CA)
+Very strong 0849 11/14 w/long string of ads & JJ male talk sounding like nx; possible "JOWF" ID in pseudo-EE 0858, then more spots. Chimes & single tone 0900, then interlude mx. (Bytheway, WA)
+Had to be one w/American pop mx, man & YL in JJ talk 1045-1103 11/14. Faded on the hour of course, so no definite ID. Long fades but quite good at peaks o/weak domestics. Possible JJ also noted on 1310 & 1290 around this time, but no IDs. (Hall-Patch, BC)
+The likely source of weak JJ talk 1225 12/12. (Tomer, CA)
+1/10 w/bits of JJ talk 1137, then faded; at 1159 played theme from "Around the World in 80 Days" w/man in JJ talking o/it. Much stronger by 1200 w/male talk in JJ for a couple of minutes, then faded. (Jaisun, WA)

1470

? UNID, Oriental talk 0932 11/14, weaker than 1440. (Bytheway, WA)

1475

DIEGO GARCIA, AFDG, top-40 1415 8/25. (NZDXT)

1475

SABAH, Tuaran, RMKK, Kota Kinabalu in Tagalog (probably) 8/18 1127 tune-in, xint for several minutes. This is my key for DYLA-1555 & Indonesians. This stn is possible every AM - not hrd every AM but possible due to the low path (29°). (Seaver, CA)
+Likely the source of fair carrier 1102 9/5. (Portzer, WA)
+Had been hearing audio here AMS since 10/5, w/western pop mx & YL talk. Signal nil-fair but speech quite distorted. Finally IDed 1300 10/7 w/the last few bars of Malaysian NA. Also IDed at s/on 1028 10/10 by the chimes mentioned in WRTH. These chimes don't appear to be the opening bars of the NA "Negara Ku" according to sheet mx I have for the piece. (Hall-Patch, BC)
+Weak 1147 10/10; definite loop to Malaysia. (Peterson, CA)
+Good strong signal, MoR vocals & YL 1228-1233 10/31. (Tomer, CA)
+Assumed source of fair carrier, weak talk 1047 2/9. Usually hear MoR EE vocals here. (Tomer, CA)
+Hrd w/"Classical Gas" 1154 2/19; xint sig briefly. Again 1212 w/YL talking w/mention of several Malaysian cities. (Tomer, CA)
+1153 3/13 big carrier w/erratic fading audio. Very poor readability, but US pop mx recognizable & bits of YL talking. (Hall-Patch, BC)
+Xint signal 1250 4/21, playing US pop mx. Almost equal to domestics in strength. (Tomer, CA)
+Suara Malaysia 3/29 to 1230+ w/woman ancr in unid lang. Clear "Suara Malaysia" & "Kota Kinabalu" on 1/2 hour. Fair-poor w/DWRP-1470 sloop & fading. Frequency varied from 1474.985 to 1475.010. (Hardester, Okinawa)
+Booming in 1151 5/10 w/US pop mx. Erratic fading seems to be the norm for this one, but even the fade downs had readable audio this AM. Also good 1153 5/20. (Hall-Patch, BC)
+Nice on peaks, seemed to be fairly low modulation level 1111-1200+ 5/29. US rx mx 1111, organ mx around 1130, YL chanting of sorts followed. Anmts by YL at various times, including possible mention of Kuala Lumpur 1143. (Portzer/Bytheway, WA)

1475

USSR, Vladivostok, RSPSR, 1430 11/25 fair carrier, very poor audio. Hrd a couple of long drawn out chords or notes (Peace & Progress IS?), then man talking. Audio has improved by 1500 w/Kremlin Bells after a jazzy piano interlude fair amidst domestic sloop. (Hall-Patch, BC)

1475

? UNID, strong carrier 1040-1050 8/29. Very erratic fading, impossible to get a bearing. Audio sounded like American mx of some sort, but too murky to tell for sure. (Hall-Patch, BC)

1500

HAWAII, Honolulu, KUMU, 1500 1/2 fine ID as "Koo-moo" at top of hour after slow inst mx, then into nx. Fair, no other apparent stn there. (Beverage, WA)
+Poor u/12A w/IDs for AM & FM, EZL style mx 0640 1/28. (Allchin, New Zealand)
+Noted w/beautiful mx u/KXRK, possible "Ku-mu" ment 0947 2/17. Perfect "KUMU AM 150" ID during 0958 fadeup. (Tomer, CA)

1500

SOUTH KOREA, Jaeju, HLKS, 1043-1103 3/22 w/KK(?) lang pgm (not EE as per WRTH). ID on hour by man & woman & into EE lessons by man & woman. Fair-poor w/165 Hz het on upper side. (Hardester, Okinawa)

1510

AUSTRALIA, Newcastle, 2NA, assumed source of DU-accented EE nxcast 1202-1207 followed by quiet mx. Australia mentioned in nx. (Tomer, CA)

1520

JAPAN, Fukui, JOFC, NHK pips, JJ ID, into 2 inst musical selections & off 1504 3/24 w/OC on. Frequency measured as 1519.996. (Hardester, Okinawa)

1525

USSR, Khabarovsk, RSPSR, strong carrier & cl mx during 1315 fadeup 8/31; hrd thru strong domestic sloop. (Tomer, CA)
+Operatic mx noted 1342 10/7 weak-fair w/KYXI-1520 sloop. Cl mx //7230 noted 1208 10/8, but soon faded. Finally an ID 1430 10/8 w/Midnight in Moscow chimes. (Hall-Patch, BC)

+C1 mx fair-good 1150 10/10. (Peterson, CA)
t +Strong carrier 1248 4/21; some weak audio that seemed to be c1 mx. (Tomer, CA)

1525 ? UNID, fair carrier, probably USSR, noted 1306 2/13. (Tomer, CA)

1550 TAIWAN, Taipei, AFNT, 3/22 1030 w/sports rpt & local anmt. Fair-poor w/moderate fading & CC language QRM. (Hardester, Okinawa)

1555 t PHILIPPINES, Cebu City, DYLA, fair carrier 0938 10/24. (Tomer, CA)
t +Probable source of fair carrier 1045 2/13. (Tomer, CA)
Best signal ever 1452-1459 3/24; church service until 1458, then woman in EE mentioned "DYLA" twice, gave TC, & mentioned Good Friday services. (Tomer, CA)
t +Very weak w/YL talking in unid language 1303 4/21. (Tomer, CA)

1555 ? UNID, 4/17 1309 carrier noted w/use of BFO. Definite TP. (Korinek, CA)

1566 ? UNID, strong carrier 1225 10/31 looping FE Asia; hrd again 1205 11/4 w/strong signal. (Tomer, CA)

1570 SOUTH KOREA, Cheju Island, HLDA, mixing w/domestics 1315 9/28 w/YL in KK. (Tomer, CA)

+Strong w/man & woman 1227 & 1235 10/31. (Tomer, CA)
+Fair u/domestics 1450 4/24 w/CC talk. (Tomer, CA)

1580 THAILAND, Ban Pachi, VOA, 10/4, man in what is listed as Khmer. YL anmts 1359, missed ID if any 1400. Nx in special EE followed. 1415 "This is VOA" then Carter speech to UN. Also 10/8 1453-1503 w/special EE pgm & nx 1500. (Williams, OR)
+1448-1500 man in special EE pgm talking about stars 2/22; nx 1457. (Williams, OR)
+Xint in EE 1530, s/off in EE 1659. (SADXC)

1690 TAIWAN, another "Kaohsiung Fishery Radio Station" is now hrd here 2030-1500. Not 7/1700 khz. (SCDX, 9/77)

AUSTRALIA. NSW stations have local programming 0515-0600 GMT weekdays. (NZDXT)
3Z7-1220, Melbourne, has been closed down by the police during July on the order of the Australian government following considerable local resistance. 1220 is now a clear channel in Australia. 2KA-780, Katoomba, was severely damaged by fire in July and operated with only 50 watts for a time. They now seem to be back to normal power. 3TR-1240, Sale, 2BS-1500, Bathurst, and 3UL-530, Warragul, are the latest commercial stations to go with station established under agreement with the Mount Newman Mining Company, whereby the company bears the total capital and operating costs. (NZDXT)
The union-backed Wollongong City Radio Ltd., has received permission to operate Wollongong's second commercial station, after three years of waiting. The new station hopes to be on the air in six months and to operate continuously with up-tempo contemporary music format, news, community affairs, and ethnic programs. There still might be a challenge from any one of the three unsuccessful applicants. (NZDXT, 2/78)
The 2BE-750 translator has been delayed until February. 6MW-1030, New Comm Port Hedland, is now on the air. 2CT-710, is not expected on before March. (NZDXT, 2/78)
2CT-710, Campbelltown, Sydney's first part-commercial community station, opened on 4/28. 4IP's licence has been transferred to 2SM. (NZDXT, 4/78)

HAWAII. There was a disastrous fire at Alan Roycroft's installation on Kamani Street, Honolulu. The four stations sharing that tower were off the air until emergency repairs could be made. They are KIKI-830, KHVH-990, KORL-650, and K200-1210. KORL is now broadcasting from the KGMB antenna, the rest are back in operation on Kamani Street, after an almost non-stop two days of work by Roycroft and his crew. KKUA-690 recently installed a new 10 kw transmitter. KGU-760, reportedly has been sold with new owners to take over operation soon. KPO-1040, studios have been relocated at 741 Bishop Street in downtown Honolulu. (NZDXT, 2/78)

INDONESIA. The ITU has allocated 120 channels to Indonesia for the 11/23 changeover. 68 will be used by the RRI, 20 will be co-channels, and the rest by commercial stations. (Arctic, 3/10/78)

JAPAN. JOOR-1220, Osaka, has moved from 1220 to 1180 khz on May 15 and will move to 1179 on November 23, 1978. (NZDXT)
FEN-Okinawa is now on 648, ex 650. FEN-Iwakuni and Misawa are to go to 1575, ex 1580. They should be there but haven't been heard yet. FEN-810, Tokyo will remain on 810. (NZDXT)

As the hour approaches, the local FEN-Okinawa, station begins a local ID, at the same time, the announcer/engineer at the console switches into the FEN-Tokyo feed (which is constantly fed via direct patch from Tokyo) which goes to an OC some 5 to 10 seconds before the hour. Thus, while the local ID is being aired, the OC from Tokyo is being rebroadcast on 650. Hopefully, all timing will be correct and as the local ID ends, about 1 sec later the pip (Bb) from Tokyo will be aired at the same time the pip from Okinawa is played... however, quite often the local ID ends and the local pip is heard w/the Tokyo fed pip (Bb) being aired some 4 to 1 1/2 seconds later and then they go into news. Therefore some listeners not familiar w/FEN-Okinawa, may think they have a Bb Bb pip sequence when in actuality it's all due to synchronization. And speaking of FEN-Okinawa, about 2 weeks ago (this being 7 September 1977 as I type this) an audio unit of the TV-8 station went

out. The TV still transmits video over channel 8, and the audio over 650 khz, the 650-programming has been switched to their stereo FM outlet on 89.1 Mhz. One unique thing about listening to the audio on 650, how many people can claim a TV QRM problem with North Korea-6551! (Hardester, Okinawa)
 Local FEN-648 is now back to 650 khz and is announcing same since Thursday 12/29 when I returned to Okinawa. My contact at FEN is on leave, so I'm not sure what's going on. Will follow this up. No audio on FEN Iwakuni/Misawa noted, so not sure it on 1575 or back on 1580. (Hardester, Okinawa) (The FEN stations changed frequency 11/23/77, one year to the day before the change is scheduled to go into effect for everywhere else. It's possible that somewhere in the Federal Bureaucracy, someone made a typographical error, causing FEN to receive orders to change frequency on 11/23/77 instead of 11/23/78. Later someone may have discovered the error and decided to switch back to the old frequency until the correct date for switching to the 9 khz plan comes along. -ed)

KOREA, SOUTH. KBS first Network operates on 710 khz 1955-1800, with news every hour except 1300 and 1700. Approximately 50 MW stations (regional) devote most of their time to first network relays. The second Network on 600 khz 2055-1800 carries special programs for soldiers, farmers and students (including language lessons in EE, FF, GG, SS and standard CC). The network also has EE 1330-1200 for listeners in Korea and abroad. KBS Public Education station, Seoul-970 operates 0855-0103. From 1100-1400 Radio Korea's External Service in JJ and JJ for Japan is carried. (NZDXT)
 From the 11/24 issue of "Pacific Stars and Stripes" (EE-language newspaper for Asia/Pacific American Forces): "SEOUL (US Army)- U.S. Forces Korea radio listeners can hear English language programs about Korea 3 times daily through the courtesy of Radio Korea. The 30 minute programs from the overseas service of the Korean Broadcasting System (KBS) are intended to provide foreigners with news, commentary, and cultural news about Korea. The programs are based on Korean Standard Time (GMT+9) and listeners should tune in daily from 8:30 to 9 P.M. (1130-1200 GMT) on 600 khz; 6:30 to 7 P.M. (0930-1000 GMT) on 750 khz, and from 5:30 to 6 A.M. (2030-2100 GMT) on the same wavelength. All of the EE broadcasts can be heard on 99.7 Mhz (FM) at 3, 7, 8:30, and 10:30 P.M., and the following morning at 1, 3, 5, and 8 A.M." (Hardester, Okinawa)
 Korea Broadcasting System MW Overseas Broadcasts (Radio Korea)

	khz	power	location	time-GMT
HLSA	600	500 kw	Suweon	English 1130-1230
HLSR	750	100 kw	Namyang	Chinese 0900-0930
				English 0930-1000
				Chinese 2000-2030
				English 2030-210
HLKB	890	100 kw	Pusan	Japanese 1500-1600
KLCA	970	500 kw	Kinchoe	Japanese 1100-1200
				Korean 1200-1230
				Japanese 1230-1330
				Korean 1330-1400
HLKB	1450	10 kw	Pusan	Japanese 1500-1600

My references are the 1978 WRTH, a program schedule received from KBS for Radio Korea (includes SW), and information received on my visits to the Pusan studio and Kinchoe transmitter site. The WRTH listing for some of the transmitter sites is incorrect: i.e. HLSA is at Suweon, HLSR is at Namyang, and HLCA is at Kinchoe. None of them are in Seoul. The only transmitter in Seoul is HLKA-710. HLKA broadcasts strictly domestic programs. During the hours that they don't broadcast overseas programs, HLKB broadcasts domestic programs and HLSA, HLSR, and HLCA broadcast educational and special programs. All of the above listed stations are base frequencies: all of them, especially HLSA, HLSR, HLCA, and HLKA change frequencies to avoid jamming, etc. I don't have any information as to what they will do after the 9 khz plan change. It will have to be watched carefully. The EE language programs are for the English speaking foreigners living in Korea. The Chinese language programs are for the Chinese nationals in Korea. The Japanese language programs are for the Japanese living in both Korea and Japan. The Korean language programs are for Koreans in North Korea and Japan. All of the programs are the regular Radio Korea programs, except the EE programs which have a Korean language lesson near the end of the broadcast. (Harms, WA)
 AFKN-Seoul, is now on 550, ex 560. KBS-Pohang, is testing on 560, relay of 970. Now on 24 hours. New high powered transmitter? (Arctic 3/10/78)
 KBS-Seoul does not have a station on 880, there is no such station as HLKH as listed in the WRTH. (NZDXT, 3/78)

MARIANAS. The Far East Broadcasting Company plans on building a relay station on Saipan. A 10 kw MW and two 100 kw SW transmitters are planned. (SCDX)

NEW ZEALAND. Radio Rhema is seeking 2 kw on 1190 khz for a 24 hour operation from Christchurch. The station said it would be unhappy to be on 1575 khz, and that 1230 was subject to too much interference from 2NC-Newcastle. LZK-Kaitiaki has moved from 1440 to 1010. LYK has moved from 101 to 830, in synchronization with LYX-Whangarei, 24 hours. 12N-Whangarei, moved from 970 to synchronize with LZK on 101. IYE-Kaikohu, has moved from 1050 to 970, 24 hours. LXI has moved from 1590 to 1330. 22P is due to go from 1370 to 1050 in mid-December 1977. LZB-1070, may move to 1080 before the November 1978 deadline. An application for Radio Manukau has been stalled by legal complications. Radio Rainbow in Rotorua, hopes to apply for a license shortly. They hope to set up a network of private stations in South Canterbury. Radio Whakatana's transmitter has been relocated (LXX) to provide better coverage of the Bay of Plenty region. 32C-1160, will be known as Radio Caroline from now on. Hopefully, there won't be any confusion with the well-known North Sea pirate of the same name. (NZDXT)
 Radio Sunshine will apply for a permanent station in Balclutha. They are also planning for a month-long temporary license in May of this year. Mini-stations are proposed by R. New Zealand for Ashburton and Oamaru to broadcast local programs between 0600-0900, local time. The two stations, provisionally called Radio Ashburton and Radio Waitaki, could then move to further local programming between midday and 1400 local time. LZB-Auckland will move to 1080 on April 1. Radio N was an experimental station licensed from 19 December 1977 to 2 January 1978 on 1300 khz from Wainuiomata, a suburb of Wellington.

Power was 100 watts, but only about 20% of this was radiated, due to the lack of height of the antenna, a 20 foot high T, similar to that currently used by 22M, Wellington. The station was heard in some parts of New Zealand. It operated on weekdays 0800-1100, and 1300-2000 local time. It was operated by the Wellington Broadcasting Association, Inc. Organizer was 15 year old Rex Widerstrom. (NZDXT, 2/78)
Corrections to WRTH 1978: Add 830-1YK (Synchronized), 970-1YE, 1010-1ZK, and 12N now here private station 1XI on 1330. Delete 970-1ZN, 1010-1YK, 1050-1YE, 1440 1ZK, private station 12I-1590. Correct 1510 call sign is 3YR, not 3JR. (NZDXT, 3/78)
22P is now on 1050, ex 1370. 12B has not set a date to move to 1080. Tests were carried out 3/14-15 from 0800, between 1070 and 1071. (NZDXT, 4/78)

PHILIPPINES. DYFR-Borongan, in Samar province is back on the air after leaving the air in early 1976 due to "some unavoidable circumstances." DXFE-Dacao burned down on March 1, 1977. Only the tower remained. DWRF-1470 is simulcast with SW for the Mandarin program 1445-1600 GMT. (NZDXT)
DYFX in Cebu City is a recently reactivated station owned by the Eagle Broadcasting Corporation. The station was put off the air when martial law came into being. Most likely, the station returned in early 1977. It is reported to sign off at 1400. (NZDXT)
DYFZ-690, Bacolod, new. DXED-1020, Davao, Eagle Broadcasting. DXML-1040, Dogos, new.
DYFX-1350, Cebu City, new. DYAB-1490, Adriana National School Radio, Cebu City, new and testing. (Arctic, 2/78)

SABAH. Radio Malaysia Sabah English Blue Network is carried by Kota Kinabalu-690 and Lahad Datu-830. The National Network in Bahasa used Sandakan-565, Kota Kinabalu-600, Lahad Datu 665, Tawau-750, and Kudat-800. (SCDX)

TAIWAN. AFTN-1570 is still on the air //1550 but weaker. (Arctic, 2/78)

THAILAND. A new 2 X 500 kw transmitter in Saraburi will be set up soon. (Arctic, 2/78)

U.S.S.R. Radio Moscow recently erected a number of high-powered long and mediumwave stations close to the Chinese border. At Birobidzhan, Northwest of Khararovsk, a Long-wave transmitter of 1000 kw operates on 191 khz. At Iman, north of Vladivostok, another 1000 kw transmitter operates on 647 khz. Another medium wave transmitter at Ulan-Ude operates with 250 kw on an unknown frequency, and a 500 kw transmitter at Kyzk operates on 1079 khz. (SCDX, August 1977)

WXLE - CANTON ISLAND
by Michael S. Hardester

As time permits, I contact various radio stations in the Pacific and Asia regions to obtain information concerning the station and then prepare an article for publication. When I contacted WXLE on Canton Island, I received a very nice letter from Ms. Joyce E. Haas. Following is the letter I received; it does more in explaining the station than I could do if I rewrote the letter.

"WXLE Radio Station, 1386, is located on Canton Island in the Phoenix Islands Group. The station's equipment and call sign were originally used on Eniwetak, but came to Canton in 1971. WXLE's call sign until May 1978 was 1385.

"WXLE was an AFRS affiliate, but due to the departure of all military personnel and a cutback in the civilian population in early 1976, the station is no longer supported by AFRS and its operation is no longer budgeted by the U.S. Air Force, which operates Canton Island. I have been operating WXLE on a volunteer basis since July 1976.

"We broadcast, with any luck, continuously from a CCA 250 watt transmitter via a 180 foot antenna. Our intent is to provide radio entertainment only for Canton Island, however we frequently receive letters from the South Pacific, particularly New Zealand, advising of reception of our signal.

"Due to the lack of an operating budget, the staff is minimal. I do a live broadcast of news Monday through Saturday from AP news and occasionally a volunteer plays old AFRS records in the evening. Otherwise, our programming consists entirely of taped music. Our ID's are irregular.

"I generally answer correspondence concerning the station or QSL requests, however, only as time permits since I have a full-time six days-a-week job on Canton. Our station log is minimal but if I am advised of the time and the titles or words to a couple of songs heard, I can usually give a QSL confirmation. I prefer stamped return envelopes; IRC are acceptable.

"Canton Island has a population of 51 persons, all adults employed by a civilian contractor for the U.S. Air Force. We are serviced weekly by MAC (Military Airlift Command, USAF - ed) flights from Hawaii.

"To add a bit from the research I have done, it should be noted that Canton Island is claimed by both the United States and the United Kingdom. The question of ownership will again be reconsidered in 1989. The island is situated about 1700 miles/2736 kilometers southwest of Hawaii.

"Canton was first accurately located and mapped by Commander R.W. Mead of the USS Narragansett in 1872; the Commander named the island after the New Bedford whaling vessel "Canton" which was wrecked there in 1854.

"In 1965, NASA was the dominant user of the island for satellite tracking purposes, and support of the Weather Bureau and FAA. In June of 1967, NASA withdrew from Canton, and the Air Force utilized the island as a Space and Missile Test Center until 1976."

TXI 24 HOURS A DAY 7 DAYS A WEEK
AUCKLAND: NEW ZEALAND

SOVIET FAR EAST MEDIUM WAVE STATIONS

by Randy Seaver

For the North American DXer, the Soviet Far East includes the Russian territory from they Yenisey River on the west to the Pacific Ocean in the east, and from the Chinese and Mongolian borders on the south to the Arctic Ocean in the north. The terrain is predominantly plateaus and mountains, with several large rivers and lakes. This area is approximately 40% of the entire Soviet Union, yet it has only 5% of the population. The population tends to concentrate on the Trans-Siberian Railroad line and on the shores of the lakes, rivers, and oceans; three-quarters of the people live in urban areas. The largest cities are (1970 census): Krasnovarsk (648,000), Irkutsk (451,000), Vladivostok (441,000), Khabarovsk (436,000), and Kmosomolsk-na-Amure (218,000). The Novosibirsk area has a population of about 3.5 million. Russians constitute the vast majority of the population in the southern areas, with concentrations of Ukrainians, Belorussians, and Jews, while the small indigenous population lives mainly in the north and central rural areas. The Russian language is spoken by nearly the entire population. The entire region is administratively part of the Russian Soviet Federated Socialist Republic.

The state radio broadcasting system is a very structured organization. All broadcasting activities are under the control of the State Committee for Broadcasting and Television, which is responsible to the Council of Ministers. In the radio system, there are three national home service programs, several republican programs, local programs, and a city program; in addition, there are two foreign service programs. Each program that can be heard on medium wave in WCNA is briefly described below. The interval signal for each program is also described.

First Program. This national home service is a general style program intended for nationwide coverage. It is relayed in part by many local stations; there are four editions of the program because of the vast time differences between East and West. Edition 1B is broadcast to Eastern Siberia (between the Yenisey and Lena Rivers) 2100-1700, while edition 1A is broadcast to the Far East 1900-1500. The program in the local evenings (i.e. 0800-1500 GMT) often consists of symphony, opera, etc. Six time pips are heard on the hour. The interval signal is played before the hour and is the same as heard on the Radio Moscow External Service; it has 10 notes and has been historically called "Kremlin Bells" by NA DXers:



Second Program. This national home service is called the Mayak (lighthouse) program and is intended for nationwide coverage. This is a musical (all kinds of music), news and sports program. On the hour and half-hour there are 5 to 10 minutes of news, interviews or special reports. The primary channels are 548 and 575 kHz, plus local relays. Six time pips are played on the hour. Before the half-hour (8 notes) and the hour (10 notes), the Mayak interval signal is repeated four times; this IS has historically been called "Midnight in Moscow" chimes by NA DXers:

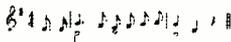


Third Program. This is mainly a musical and literary program transmitted to European USSR, the Novosibirsk area, and Kazakhstan.

Local Programs. Most districts (krays, oblasts) have their own local programs which are broadcast a few hours each day. These programs consist of local news and weather, press review, and locally produced features. Programs in local languages are also provided in some areas. No interval signal or pips are used during most of these programs.

City Program. There are locally produced evening programs broadcast in some major cities. The program content is local news, weather, current events, music, opera, etc. These programs have been heard with 6 pips on the hour without an interval signal.

Radio Moscow External Service. Radio Moscow broadcasts on a 24 hour basis in many languages on medium wave and short wave. Medium wave broadcasts are usually directed to countries adjacent to the transmitter sites. The programs are propagandist in nature with talk, marches, singing, etc. The programs are scheduled in one-half hour blocks with the Radio Moscow interval signal (10 notes, the same as the first home service IS) played before each hour and half-hour. At times, the various transmitters may switch back and forth to the Radio Station Peace and Progress program. The Radio Moscow interval signal is:



Radio Station Peace and Progress. "The Voice of Soviet public opinion" broadcasts at times on Radio Moscow channels. The interval signal, played before the start of the next program, is 6 notes on two clarinets:



West Coast North American reception of several of the Soviet Far East stations can be a near daily occurrence during September through April with a relatively quiet geomagnetic field and the permission of the ubiquitous midwinter anomaly. The strongest outlet heard regularly is on 647 kHz, if the receiver is away from KFI-640. The outlet on 840 kHz is received frequently with some QRM from the co-channel Korean, Japanese, and Chinese outlets. The three low-band frequencies of 548, 575, and 584 kHz are occasionally heard

(depending on local QRM), as are the higher frequency outlets on 1376 and 1525 kHz. The 665 outlet is heard occasionally with a big signal but usually with fairly weak audio. The station on 782 was heard several times last season after KCRL dropped their all-night program. The outlet on 973 is heard rarely - this is an old transmitter and the audio always seems to be mushy. The stations on 629 and 1250 kHz were heard frequently during the 1960s but due to the increasing number of stations on 630 and 1250 they are not now heard with any degree of regularity.

West Coast reception of the inland stations (generally those between 80 and 100° East longitude) is much more difficult, due to the propagation paths near or through the auroral oval. These locations include Abakan, Novosibirsk, Dudinka, Kyzyl, and Yeniseysk. Other stations, such as Verkhoysansk, Chita, Ulan-Ude, Bodaybo, and Yakutsk are further east; they can be heard rarely during very quiet geomagnetic conditions on the West Coast of North America. Reception of all the stations listed should be possible in Hawaii and the Pacific Ocean area, depending on local interference.

(The following is a table of Soviet Far East medium wave stations, their official powers, schedules, etc. This data was obtained, for the most part, by Randy from the 1977 World Radio TV Handbook. The stations listed below, including the ones mentioned in the preceding article, will probably move to new frequencies in late November. ed)

Freq	Location	KW	Pgm	Schedule & Remarks
548	Abakan Svobodnyy	150	2	1900-1800 This freq is hrd occasionally. Probably a combination of Svobodnyy, Magadan, & Vladivostok, since Yakutsk is also heard.
	Vladivostok	150	2	1900-1800
	Magadan	50	2	1900-1800
575	Verkhoyansk Novosibirsk Khabarovsk	150	2	0300-0200 This outlet sometimes heard WCNA
	Petrovavlovsk-Kamchatsky	50	2	0300-0200
584	Svobodnyy	500	RM	CC:0730-0800,0830-1100,1130-1430,1500-1730 PP CC:0700-0730,0800-0830,1100-1130,1430-1500
611	Krasnogorsk	100	?	Sked unkn; located on Sakhalin, possible on WCNA
629	Khabarovsk	100	RM	JJ:0800-1100,1200-1230,1300-1330,1400-1430
647	Iman	1000	RM	CC:0730-0800,0830-0930,1030-1100,1200-1330,1400-1430,1500-1730; KK:0930-1030,1100-1200,1330-1400. PP CC:0700-0730,0800-0830,1430-1500.
655	Verkhoyansk	50	?	Sked unkn, rare to WCNA due to northern location
665	Komsomolsk-na-Amure	100	1,L	2000-1700; hrd sometimes
692	Anadyr	50	?	Sked unkn; not hrd recently due to 710 QRM.
710	Blagoveshchensk	50	?	Sked unkn; not hrd recently due to 710 QRM.
782	Spassk Dalniy	75	1	1900-1500; good bet w/KCRL off.
810	Vladivostok	150		1:2200-0830; C:0830-1400. Rare during KGO SP.
840	Spassk Dalniy(?)	50	2	Sked unkn; hrd regularly w/assorted QRM.
973	Yuzhno-Sakhalinsk	50		1,L:1900-1400; 2:1400-1800; KK 0835-0900.
998	Birobidzhan	25	2	Not hrd recently WCNA. May be the location for clandestine "Hongchin Kwangpo" (listed 995) to China.
1010	Magadan	50	2	1800-1700; hrd occasionally w/domestic & JONR.
1150	Komsomolsk-na-Amure	30		2:2000-0900; C:(900-1400); rare due to QRM.
1150	Vladivostok	1000	RM	JJ:0800-1100,1200-1230,1300-1330,1400-1430 KK:1330-1400; CC:1500-1730.
1376	Vladivostok	30	1	1900-1500; hrd occasionally
1475	Vladivostok	150	RM	CC:1500-1730 } Hrd occasionally after 1430. PP CC:1430-1500 } Watch out for Malaysia 1100-1300.
1525	Khabarovsk	50?	2	Sked unkn; hrd occasionally w/fair sig;
1570	Khabarovsk	?		2:2000-0900; C:0900-1400
1570	Yuzhno-Sakhalinsk	5	2	1900-1400
1586	Khabarovsk	5	?	Sked unkn; not hrd recently WCNA due to low pwr

Notes: 1 - First Home Service; 2 - Second Home Service; 3 - Third Home Service; L - Local program; C - City Program; RM - Radio Moscow Program; PP - R. Peace & Progress Languages: JJ - Japanese; CC - Chinese; KK - Korean; MM - Mongolian

SPOTLIGHT ON INDONESIA

by Randy Seaver

There are three Radio Republik Indonesia (RRI) networks:

- * Nusantara I serves all islands except Java and Sumatra (e.g. Lombok, Bali, Irian Jaya, Kalimantan, etc.)
- * Nusantara II serves Java and Madura
- * Nusantara III serves Sumatra

In addition, there is a national service from Jakarta, and many local stations with low power.

A list of RRI medium wave stations over 10 kw, their network, and possible shortwave parallels follows:

Freq	Island	City	Power	Network	Possible Shortwave Parallels
540	Java	Bandung	10 kw	II	2740 (5047)
585	Java	Surabaya	100	II	2370/3975 (5047)
630	Sulawesi	Ujung Pandang	100	I(key)	4719
720	Maluku	Ambon	10	I	3241/4845 (4719)
756	Java	Purwokerto	10	II	(5047)
801	Java	Semarang	10	II	2490/3935 (5047)
*810	Irian Jaya	Merakue	10	I	3252 (4719)
845	Java	Bandung	10	II	2740 (5047)
855	Lombok	Mataram	10	I	3223/4300 (4719)
855	Sumatra	Medan	100	III(key)	4764
864	Java	Cirebon	10	II	2390 (5047)
927	Sumatra	Pakanburu	50	III	5885 (4764)
954	Sulawesi	Kendari	10	I	4000 (4719)
963	Java	Jember	10	II	3323 (5047)
972	Java	Surakarta	50	II	4932 (5047)
999	Java	Jakarta	300	National	4805/6045
1008	Java	Madinn	10	II	3286 (5047)
1044	Biak	Biak (listed 1116)	10	I	5030 (4719)
1053	Irian Jaya	Jayapura	10	I	3325/6070/7120 (4719)
1098	Madura	Sumenep	10	II	3355 (5047)
1098	Sumatra	Jambi	10	III	3375/4927 (4764)
1107	Java	Jogjakarta	10	II(key)	5047
1134	Kalimantan	Banjarmasin	50	I	(4719)
1170	Java	Semarang	50	II	2490/3935 (5047)
1185	Sumatra	Tanjung Pinang	5	III	4945 (4764)
1206	Bali	Denpasar	10	I	3945/7114 (4719)
1215	Kalimantan	Samarinda	10	I	3295/6045 (4719)
1233	Kalimantan	Pontianak	50	I	3345/3965 (4719)
1251	Sumatra	Banda Aceh	10	III	3335/4955 (4764)
1287	Sumatra	Palembang	50	III	2435/4855 (4764)
1323	Java	Malang	10	II	(5047)
1334	Java	Jakarta	10	local	2310/2380/2450
1485	Sumatra	Padang	10	III	2480/3050 (4764)
1530	Java	Bandung	10	?	2740

The shortwave station in parentheses is the strongest 60 meter band station with the same network program. The others are listed in the same city. The medium wave stations may or may not carry the same programs as the shortwave stations. Biak is listed on 1116 but has been heard in New Zealand on 1044. The language used on all RRI stations is Bahasa Indonesian. The ID sequences I've heard are:

- 1) "Love Ambon" on organ, flute, vibes, piano. Then RRI ID.
- 2) 5 pips at 1300 GMT, no IS, then RRI ID.

I've also heard 4719 with no IS across the hour. 4719 seems to go off before 1300 on some days.

The best opportunities for Indonesia on medium wave are:

- 855 Medan
- 864 Cirebon, 10 kw but it gets out
- 999 Jakarta, 300 kw possible with KOMO-1000 off
- 1044 Biak, 10 kw, near Irian Jaya
- 1053 Jayapura, 10 kw, closest Indonesian to North America
- 1134 Banjarmasin
- 1206 Denpasar, 10 kw but great frequency
- 1215 Samarinda, 10 kw on great frequency

I've heard some audio on 864, 1053, and 1134, and carriers on the others (other DXers have heard audio on 855 and 1206. ed). Now is the time to try for these stations, before all the other Asian stations move onto these frequencies.



Midnight Sun BROADCASTERS, INC.

KINY • TV
• AM

231 SOUTH FRANKLIN STREET
JUNEAU, ALASKA
99801

REPORT FROM HAWAII

by Bruce Portzer

The following information on Hawaiian stations was obtained during a trip to Honolulu in April, 1978. All times listed are GMT.

- 550 KMVI Wailuku (Why LOO koo), mostly MoR/rr mx, carries baseball //KGMB-590. Noted w/classical mx 0842 MM 5/22.
- 590 KGMB Honolulu, "K-59", uptempo MoR/pop w/personality emphasis. Carries Hawaii Islanders baseball games. Had old time radio pgm 0843 5/22; noted off 1330.
- 620 KIPA Hilo (HEE low), carries easy listening instrumentals days; believed to have album rock or jazz at nights.
- 650 KORL Honolulu, "Coral 65", mostly top 40. Had interview pgm 0841 5/22; noted off 1330 5/22.
- 690 KKUA Honolulu, "KKUA 69", top 40. Tinkly bell sound accompanies time checks. Had interview program 0841 5/22 MM.
- 720 KUAI Eleele (Elly Elly), located on the island of Kauai (Cow WHY ee), sometimes mentions "The Garden Island". Mixture of MoR, light rock, and Hawaiian mx. Request line # is 335-3720. Had Hawaiian mx w/EE & Hawaiian anmts 0843 5/22, then s/off 0900. Carries CBS nx which is apparently relayed via KHVH-990. Had Filipino pgm 1515 5/23.
- 760 KGU Honolulu, format seems to be MoR days, jazz at nights. Had interview 0835 MM 5/22.
- 790 KKON Kealakakea (Ke AH la ka kee yah), block programming: MoR days, Hawaiian mx late afternoon, rock evenings, and jazz 0700-0900 s/off. Believe 1600 s/on. Was off by 0840 5/22 MM so probably 0800 s/off Sunday night. Has "KKON 79 Radio" jingles. Xlnt signal days in Waikiki, 150 miles away over water.
- 830 KIKI Honolulu, rock mx, evening DJ is "The Coyote", who sounds a lot like Wolfman Jack. Had interview pgm 0800-0900 MM 5/22, then Black Gospel mx pgm. Noted off 1330 5/22.
- 850 KHLO Hilo, noted at Kahuku Point 0200 5/20 w/ID as "Radio 85, KHLO, Hilo", then "nx from KPI & the KHLO newsroom".
- 870 KAIM Honolulu, classical mx & religion, a few foreign language pgms. Not AN.
- 940 KAHU Waipahu (WHY PA Hoo), automated country mx, "K-94" and "Country Sunshine" IDs. Filipino pgm noted 1515 5/23.
- 970 KPUA Hilo, believed to be mostly MoR and light rock mx.
- 990 KHVH Honolulu, "Newsradio 99", ABC nx on half hour plus various ABC & CBS features and locally produced nx. CBS Mystery Theatre daily at 0800. Carries University of Hawaii baseball; Los Angeles vs San Francisco baseball noted once also. Also had Seattle vs Denver NBA basketball playoffs fed from KOMO. Noted off 1330 5/22.
- 1040 KPOI Honolulu, "K-poi 100", album rock.
- 1080 KIOE Honolulu, "K-one-oh-eight", lots of telephone talk pgms interspersed with jazz, rock, MoR, and sometimes Hawaiian mx.
- 1130 KLEI Kailua (Ky LOO uh), Easy listening/pop standards. Typical ID: "Eleven three Oh Radio...this is Kay Lei". Not AN.
- 1170 KOHO Honolulu, "Coho Radio", Japanese programming, JJ MoR nx, mostly JJ anmts w/ a few EE ads in the middle of JJ dialog. Some pgms also in EE, i.e. at 0659 5/19 w/request pgm & YL DJ who liked to use the word "okay" a lot. Typical ID, frequently hrd at top of hour and sometimes on the half hour: a single chime about 15-30 seconds before the top of the hour, then a spot or promo in JJ, then ID: "K-O-H-O in Honolulu, Hawaii...Koho...Hoso". Call letters are sometimes spoken w/heavy JJ accent. Not AN.
- 1210 KZOO Honolulu, Japanese programming, has quite a bit of JJ rock mx as well as JJ MoR mx. "IDs as "Kay zoo" and "The Cherry Blossom Station". Has quite a few EE anmts and EE pgms; for example, 0445 5/18 w/5 minute gardening pgm in EE preceded and followed by JJ anmts, and 0850 5/18 w/EE DJ & JJ versions of US & British rock hits. S/off 0859 5/20 w/YL in JJ o/vocal mx, then man in EE, then man in JJ o/inst mx & brief bit of mx on stringed inst; off at 0901. Announced 1530 s/on. Blew my mind 1801 & 2001 5/23 when they ran . . . Time Pips similar to NHK's.
- 1270 KNDI Honolulu, format includes MoR, jazz, Hawaiian mx, interviews, educational pgms, rigs pgms, Filipino & JJ pgms, and Lord knows what else....
- 1310 KNUI Kahului (Kah hoo looey), top 40 mx, small market sound to it. Poor quality audio, sounds like their audio is carried over a standard phone line. Has "Kay Nooey, the lucky 13" jingles.
- 1350 KIVM Lihue (Lee Hooley), 95% Hawaiian mx, 5% rock mx. Noted off before 0845 5/22 MM. S/off 0900 other nights.
- 1420 KCCN Honolulu, 100% Hawaiian mx, IDs every hour and half hour w/call & location, then sexy sounding YL w/greeting in Hawaiian and time check. Has nx at :55, but doesn't have it every hour. Noted off 1330 5/22 MM.
- 1500 KCCN Honolulu, "xoo moo", Beautiful mx, all instrumentals.
- 1540 KISA Honolulu, mostly Filipino w/a few EE & JJ pgms. Daytime only. Had EE IDs w/echo chamber, beginning & ending w/"Winchester Cathedral" 0400 & 0426 5/22. S/off 0427-0430 5/22 w/anmt, then inst "America the Beautiful", then man reciting the Lord's Prayer o/inst mx. Carrier cut abruptly at the end of the "Amen".

Most Hawaiian stations give call letters & location on the half hour as well as on the hour. Many Hawaiians speak w/an accent similar to that associated w/Latin Americans; i.e. saying "theese" instead of "this". This is characteristic of a few radio announcers, although most sound just like their mainland counterparts. KKUA-690, KGU-760, KAHU-940, KPOI-1040, KIOE-1080, KNDI-1270, & KUMU-1500 were all noted on at 1330 MM 5/22. All other Honolulu stations were off at that time. Many Hawaiian stations have Filipino programs around 1500-1530 weekdays.

Verifications

- 540 MEXICO, San Luis Potosí, S.L.P., XEWA, nice v/q in a little over a month for SS report and mint stamps. (Lazar, WI)
- 540 NICARAGUA, Managua, YNOW, nice v/l in about a month for SS report and mint stamps. Signed by Humberto Sanchez Martinica, Gerente. (Lazar, WI)
- 545 DOMINICA, Roseau, R. Jumbo, 13 days back for letter in EE w/sticker. QSL information mentioned they use a RCA 50 kw transmitter. (Allinson, NC)
 +v/l in 19 days for 2 IRCs and PF report. The EE in the letter was sort of broken, so I would recommend PF reports to the station if at all possible. Signed by Gilles Floret, Chief Engineer. Included was a round R. Jumbo sticker. (Baskind, MS)
 +EE v/l in about 3 weeks for tape and IRCA FF report form and mint stamps. Signed by Floret Gilles, Chief Engineer. (Lazar, WI)
- 550 JAMAICA, Montego Bay, RJR, 8 days by air, v/card with black and white map of other stations on the island, v/s illegible. (Allinson, NC)
- 555 SAINT KITTS, Basseterre, ZIZ, sent QSL card in 70 days for 1 IRC, signature unreadable. (Nelson, NC)
- 595 DOMINICA, Roseau, DBS sent long personal letter from George Buckmire, Chief Technician in 26 days. Letter mentions DBS has 100 watt FM on 88.1 Mhz, and 100 watt TV on channels 7 and 11. (Nelson, NC)
- 650 HAWAII, Honolulu, KORL, yellow Roycroft card in 9 days. On the back Alan informed me that KORL has been heard on the East coast from Florida to Newfoundland and also from Norway and Sweden. He also says that KORL shares its tower w/KIKI-830, KZOO-1210, and KHVH-990. (Bixby, CA)
- 660 HAITI, Port-au-Prince, 4VI, v/l in EE for my PF report, received in 44 days. Signed by Robert Dargan, Network Manager. They returned my return postage! (Baskind, MS)
- 660 SAINT LUCIA, Babonneau, R. Saint Lucia, v/l in about 3 weeks for written report and tape. Signed by Linford Fevrier, no title given but "for Chief Engineer." Correct address is P.O. Box 660, Castries. The new station on 1090 khz is a 1 kw repeater serving the southern part of the island, no transmitter location given. (Merriman, VA)
- 670 VENEZUELA, Caracas, YVLL, R. Rumbos, sent v/q with color photo and printed EE verie statement on back (rather poor EE grammar) for SS report and mint stamps. (Lazar, WI)
- 700 JAMAICA, Montego Bay, JBC, sent a letter which I received in 25 days. Gave frequencies as listed in the WRTVH except for the new FM listings. Verie signer Harold L. Nixon, Jr., Director of Engineering. This for 2 IRCs. (Baskind, MS)
 +29 days air for 1 IRC. Personal letter on letterhead signed by the Director of Engineering, Harold Nixon. (Allinson, NC)
 +Sent personal letter and post card in 19 days from Harold L. Nixon, Director of Engineering. (Nelson, NC)
- 720 CUBA, Colón, CMCN, "La Voz de Cuba" sent v/q with bizzare wavy line pattern and v/l signed by J. Miranda, Relaciones Internacionales in 3½ months for SS report. La Voz de Cuba seems to be the most reliable Cuban verifier. (Lazar, WI)
- 730 GUATEMALA, Guatemala, TGN, v/q in about a month air mail for no return postage. Also AM/SW/FM program schedule, form letter and real neat tourist pamphlet. (Baskind, MS)
- 750 JAMAICA, Port María, JBC, v/l in 26 days. There seems to be some confusion as to the location of this relay. According to v/s WRTH is correct. Took 2 IRCs. (Baskind, MS)
- 780 ALASKA, Nome, KNOM, v/l in 6 days signed by Tom Busch, General Manager. Mentioned that this was the 2nd report from the lower 48 states. (Aden, OR)
- 780 BRITISH VIRGIN ISLANDS, Roadtown, ZBVI, nonspecific form v/l and (blank) post card in 14 days surface mail for 1 IRC. (Baskind, MS)
 +Sent form letter and post card in 19 days from E.W. Brawley, GM. (Nelson, NC)
- 800 NETHERLANDS ANTILLES, Bonaire, PJB, card w/photo of studios at night, schedule, and lots of religious pamphlets. In 20 days for no return postage. Sent air-mail, despite Trans World Radio's usual policy of requiring IRC's for airmail reply. (Brooker, ON)

- +R. Nderland card w/photo of R. Nderland's DX show hosts, sent from Hilversum in 19 days for no return postage. (Brooker, ON)
 *Card back in 15 days along w/EE program schedule, technical information, and a lot of religious stuff. (Allinson, NC)
 +R. Nderland card w/the same old picture in 2 weeks from Hilversum on 11/5 PJB relay. I wonder if R. Nderland ever changes the photo on its QSL cards. (Baskind, MS)
- 834 BELIZE, Belize, yellow card in 36 days for 1 IRC. Signed by Chief Broadcasting Officer. (Brooker, ON)
 +13 days air mail, yellow oversized card signed by a S. Welch. (Allinson, NC)
- 850 HAWAII, Hilo, KHLO, yellow Roycroft card in 9 days. Alan tells me that I am the first Californian to log KHLO. He also says he rebuilt the transmitter last February to run w/very high modulation and that the plates of the modulator tubes are so red that they are almost transparent! Alan would like to know how KHLO compares w/the other Hilo stations, KIPA-620 and KFUA-670. (Bixby, CA)
- 860 MEXICO, Tijuana, B.C., XEMO, date only green/gold card postmarked San Diego in 31 days. Signed by J.C. Gates and Co., 1717 North Highland, Hollywood, CA 90028. (Brooker, ON)
- 890 AUSTRALIA, Adelaide, 5AN, typical ABC card w/particulars. 32 days w/2 IRCs. (Korinek, SA)
- 1100 ANTIGUA, Saint John's, ZDK, verie letter, coverage map, and pen pal letter from the station's secretary Loretta Isaac, who wants to be a friend of mine. Received in 30 days for 1 IRC. (Brooker, ON)
 +I got one of those funny letters, too. Included coverage map that looked like it had been cut out of a placemat. Signed by Loretta Isaac (Miss). She underlined the "Miss". (Baskind, MS)
 +14 days air mail. Both card and letter along w/coverage map, rate card and wierd personal letter from station secretary who wants to meet me. (Allinson, NC)
- 1134 INDONESIA, Banjarmasin, RRI, reply in 45 days by letter. Address per WRTH, signed by A. Njongki BA., Chief of Station at Banjarmasin. Gave broadcast sked as follows: 2200-0100 on 3250, 0400-0700 on 5970, 0900-1500 on 1134/3250. The reply was friendly although not as specific as it could have been. (Peterson, CA) (First North American verie of Indonesia as far as I know - ed)
- 1140 PHILIPPINES, Poro, VOA, QSL via surface mail in 8 days. Full data "Four Seasons Card". Signed by Gayle Kucera. (Hardester, Okinawa)
- 1196 PHILIPPINES, Surigao, DXRS, letter received in 2 1/2 months for taped tentative sent via an in-law of Charlie Taylor living in Manila, who hand delivered the report to the station owners there. Signed by Sammy Quinio, Account Manager for R. Mindanao Network, stated they listened to the tape and could confirm that it was DXRS I heard, adding that "The announcer... was Charles Paredes, in case you'd like to know." Address on letterhead was Rooms 411-413 Chateau Makati, F. Zobel Street, Makati, Metro Manila (different from address in 78 WRTH). Certainly one of my most prized veries! (Portzer, WA)
- 1205 CAYMAN ISLANDS, Georgetown, R. Cayman in 13 days, no return postage. (Baskind, MS)
- 1385 PHOENIX ISLANDS, Canton Island, WXLE, no data personal letter from Gene Harvel, station manager, in 20 days. Gene informs me that "WXLE is a phased down AFRTS radio station operated on a self-help basis only. Our island is inhabited by only 34 civilian caretaker personnel, of which I am one." He also doubles as a crane operator. I used the WRTH address, but the envelope has P.O. Box 938/APO San Francisco 96301 printed on it. I still can't believe that this station is only 250 watts. (Bixby, CA)
- 1466 MONACO, Monte-Carlo, TWR, sent QSL card, schedule, and religious stuff in 62 days for 1 IRC. (Nelson, NC)
- 1548 a TURK AND CAICOS ISLANDS, Grand Turk, VSI, Turks Island Radio prepared card received 3/4/78 for writted report and tape of reception on 10/16/76 after several follow ups, the last of which was sent 9/9/77. Signed by W.C. Grant, no title given. Note on the card says the program I heard was "The Late Scene" Date he signed the card was 9/14/77 but not mailed until 2/28/78 for some reason. Country number 93 here - am I the first to get a verie from this one? (Merriman, VA)
- 1555 CAYMAN ISLANDS, Georgetown, R. Cayman letter back in 13 days enclosed in brown "On Her Majesty's Service" envelope. Signed by Loxley Banks, Director of Broadcasting. They also returned by IRCs. (Allinson, NC)
 +Letter in about 3 weeks for mint stamps. Signed by R.G. Dunlop, Director of Broadcasting. (Lazar, WI)
 +Received card in 10 days for no return postage. Also came w/color travel pamphlet on Cayman that looks most inviting. (Baskind, MS)
- 1586 WEST GERMANY, Langenberg, WDR, date only, green and orange card w/picture of Cologne in 15 days (faster than most domestic stations) for EE report and no return postage. Signed by "Technische Direktion". (Brooker, ON)
 +Nice green/orange card w/EE/CG verie statement in a month for IRCs and EE taped report. (Lazar, WI)

Contributors

- (Aden, OR) Frank Aden Jr., Bend, Oregon - FRG-7, TRF, 75 foot longwire.
 (Allchin, New Zealand) John Allchin, Auckland, NEW ZEALAND - Sony CRF-160, Kenwood QR-666, 25 meter longwire, loop. Some of John's reports were from Te Araroa while on vacation - Kenwood QR-666, Eddystone 680X with a 1350 foot longwire running 5-8 feet above the ground in NNE direction.
- (Allinson, NC) Gregg Allinson, Wilmington, North Carolina - TRF.
 (Apel, NY) Steve Apel, Douglaston, New York - Realistic STA-64.
 (Arctic) Arctic Radio Club bulletin.
 (Ayers, MS) Jim Ayers, Jackson, Mississippi - SX-99, Dymek DA-5 antenna.
 (Bailey, MA) Bill Bailey, Holden, Massachusetts - Four 1200 foot phased Beverages, 2 Collins R-390A's.
- (Baskind, MS) Chris Baskind, Pascagoula, Mississippi - Modified TRF, National NC-183, 25 and 10 meter longwires, DX-160, Realistic STA-47
- (Beauregard, QU) Denis Beauregard, Lachine, Quebec - DX-160, 30 meter longwire.
 (Bergman, CA) Mark Bergman, Oxnard, California - Sony CRF-5100, NRC loop.
 (Beverage, CA) Phil Bytheway, H. John Clements, Don Erickson, Dave Korinek, Mort Meehan DXing on a 4500 to 5000 foot Beverage antenna located near 29 Palms, CA pointed Southeast. FRG-7 with mechanical filter, SPR-4 with selectivity modification.
- (Beverage, WA) Bruce Portzer, Nick Hall-Patch, Bill and Nancy Hardy, Bill Block Frank Aden DXing on a 1200 foot East-West Beverage located near Aberdeen, WA. HQ-180, HE-30 and FRG-7 inductively coupled to the Beverage, miscellaneous PFM equipment.
- (Bixby, CA) Mark Bixby, Newport Beach, California - Zenith Transoceanic, FRG-7, 100 foot longwire, 2 foot spiral loop.
- (Block, OR) Bill Block, Portland, Oregon - FRG-7 and SM-1.
 (Brooker, ON) Mike Brooker, Toronto, Ontario - Sony TFM-8000W.
 (Burgess, SK) Ken Burgess, Swift Current, Saskatchewan - Panasonic RF-2000, FRG-7, 75 foot longwire.
- (Bytheway, WA) Phil Bytheway, Seattle, Washington - Sp-600, R-392, SM-1 and a 1 foot by 3 foot wedge.
- (Cartwright, PA) Brian Cartwright, Johnstown, Pennsylvania - Channel Master 6436A R-390, SM-1.
- (Connelly, MA) Mark Connelly, Arlington, Massachusetts - R-390A/URR, modified TRF, SM-2, 2 37 meter longwires. Mark also DXes from West Yarmouth, MA - R-390A/URR, Westinghouse RBM-3, TRF, 2 37 meter longwires with phasing unit, SM-2.
- (Critchett, CA) Jim Critchett, Red Bluff, California.
 (Curtis, VT) Bob Curtis, Colchester, Vermont - SP-600, longwire.
 (DDC, MS) "Dixie DX Club Beverage DXpedition" Chris Baskind and Robert Forsman DXing from 1200 foot Beverage near Escatawapa, MS - FRG-7 Mark II.
- (Dunn, NS) Mike Dunn, Head of Chezzetcook, Nova Scotia - HO-180C, 1500 foot unterminated Beverage.
- (DXCB) DX Club do Brasil's bulletin "Comunicaco DX"
 (Eckman, PA) Richard Eckman, Philadelphia, Pennsylvania - Grundig Satellit 210, Yamaha CR-820, modified HQ-180 w/2 mechanical filters, SM-1, Sanserino loop.
- (Endza, CA) Mike Endza, San Francisco, California - DX-160, SM-1, 150' wire.
 (Everitt, OK) Doug Everitt, Enid, Oklahoma - R-390A/URR, Panasonic RS-460S, 35 meter longwire.
- (Feltman, PA) John Feltman, Allentown, Pennsylvania - R-390A, DX-160, SM-2.
 (Forsman, MS) Robert Forsman, Pascagoula, Mississippi - FRG-7, DX-160, TRF, 1200 foot Beverage, 360 foot longwire.
- (Gehringer, IN) Ed Gehringer, West Lafayette, Indiana.
 (Gerardi, IL) Rob Gerardi, Benton, Illinois - DX-160, car radio, spiral loop.
 (Grossman, BC) E.H. Grossman, Vancouver, British Columbia.
 (Godwin, OR) Larry Godwin, Corvallis, Oregon - HQ-180, SM-2.
- (Hall-Patch, BC) Nick Hall-Patch, Victoria, British Columbia - Transmogified HRO DX-150A, FET AA loop, longwire, 1M-4100 counter.
 (Hanavan, CA) Brett Hanavan, Chula Vista, California - HQ-180, SPR-4, Sanserino loop.
- (Hardester, Okinawa) Mike Hardester, stationed in Okinawa. SPR-4, FRG-7, Sanserino loop, various PFM equipment.
- (Hardy, WA) Bill and Nancy Hardy, Aberdeen, Washington - Lafayette HE-30, FRG-7, SM-1.
- (Harms, UT) Bill Harms, Provo, Utah - Realistic Patrolman 9, various wires.
 (Harms, WA) Bill Harms, Spokane, Washington - Realistic Patrolman 9, Grundig 5000, 2 foot loop, 150 foot center fed longwire.
- (Hutton, GA) Charles Hutton, Decatur, Georgia - modified R-390A, 1500 foot Beverage on 150° bearing, 2 1900 foot Beverages (phased)
- (Jaisun, WA) Jef Jaisun, Kirkland, Washington - Hitachi SR-301, wedge.
 (Jones, WA) Robert Jones, Edmonds, Washington - HQ-129X, SPR-4, SM-2.
 (Kaskey, CA) Don Kaskey, San Francisco, California - HQ-140X, SM-2.
 (Kawaguchi, Japan) Daisuke Kawaguchi, Hachimohe-shi, Aomori-ken, JAPAN.
 (Korinek, CA) Dave Korinek, Oceanside, California - R-388, TRF in Florida, Radio West Ferrite loop, Sanserino loop.
- (Korn, CA) Jim Korn, San Francisco, California - Fisher 90-T, 4 foot loop.
 (Kramer, IL) Robert Kramer, Chicago, Illinois - HQ-129X, 4 by 3 foot loop.
 (LaPreniere, MN) Paul LaPreniere, Grand Morais, Minnesota.

(Lawrence, SK) Dan Lawrence, Wynard, Saskatchewan - Lafayette HA-600A, longwire.
(Lazar, WI) Bob Lazar, Madison, Wisconsin. Bob also DXes from Port Wash-
ington, WI - FRG-7, SM-2.
(Lobel, CA) Albert Lobel, San Diego, California - DX-150A, Sanserino loop,
longwires.
(Martin, CO) Gene Martin, Denver, Colorado - HQ-180, box loop.
(McClenaghan, ON) Fred McClenaghan, Scarborough, Ontario - R-390A, SM-2.
(McNeil, DC) Pitt McNeil, Washington, D.C. - DX-160, '34 meter longwire N-S.
(MWN) Medium Wave News, York, GREAT BRITAIN.
(Meehan, CA) Mort Meehan, Twentynine Palms, California - FRG-7, Sanserino loop
(Merriman, VA) Alan Merriman, Fairfax, Virginia - HQ-180A, SM-2.
(Morby, NY) Roger Morby, Ballston Lake, New York - Realistic TRF.
(Mount, NJ) Paul Mount, Teaneck, New Jersey - TRF, SM-1.
(NRC) National Radio Club's bulletin "DX News".
(Nelson, NC) David Nelson, Chapel Hill, North Carolina - TRF.
(Nelson, MA) Gordon P. Nelson, Watertown, Massachusetts - Modified R-390A's,
R-392, HQ-180A, SP-600, Bendix 550, Fluke 207-1, Rycom 2703,
LFE and HP frequency counters, SB-620 and HP-3580A spectrum
analyzers, SAH filter and display system.
(NZDXT) New Zealand Radio DX League's bulletin "New Zealand DX Times".
(Oliphant, AB) David Oliphant, Edmonton, Alberta - FRG-7, SM-1, Wedge, SCT-11
cassette deck.
(Oren, WA) John Oren, Seattle, Washington - DX-160, SM-1.
(Pejza, CA) Father Jack Pejza, Modesto, California - SPR-4 w/homebuilt
ferrite rod antenna.
(Peterson, CA) Art Peterson, Richmond, California - HQ-180A, SM-1.
(Poda, OH) Louis Poda, Akron, Ohio - Kenwood R-300, Lafayette Guardian 7700,
60 foot longwire.
(Portzer, WA) Bruce Portzer, Seattle, Washington - HQ-180A, FRG-7, SM-2, 4 foot
box loop, 70 foot inverted L longwire, SB-620 bandscanner,
LM-14 frequency meter, Krohn-Hite 310 filter, IO-104 scope.
(Ronda, OH) Jim Ronda, Youngstown, Ohio - FRG-7, 2 1/2 foot loop.
(Ross, ON) Robert Ross, London, Ontario - DX-160, Panasonic F-1115, ferrite
loop.
(Sanserino, CA) Ralph Sanserino, Huntington Beach, California - SPR-4, FET amp.
ferrite bar antenna.
(Seaver, CA) Randy Seaver, Cula Vista, California - HQ-180A, Sanserino loop.
(Segalas, CA) Rich Segalas, San Francisco, California - Realistic Patrolman.
(SWNS) Short Wave News Service, Crystal Beach, Ontario.
(Shugart, CA) Matthew Shugart, Garden Grove, California - TRF, Sony TFM-7400W.
(SADXC) South African DX Club, Durban, SOUTH AFRICA.
(Stanbury, ON) C.M. Stanbury, Crystal Beach, Ontario - HQ-200, 90 foot longwire.
(Stedman, WI) Robert Stedman, Milwaukee, Wisconsin - RF-2200, TRF.
(SCDX) "Sweden Calling DXers" from Radio Sweden, Stockholm, SWEDEN.
(Taylor, IN) Charles Taylor, Indianapolis, Indiana.
(Thomas, FL) Gerry Thomas, Pensacola, Florida - Modified FRG-7, TRF, air loop
tuner and beverage.
(Tomer, CA) Randy Tomer, McKinleyville, California - HQ-180A, Modified FRG-7
with 4 khz filter and digital readout, loops, 10 meter
shortwire with resonator. Sanserino loop, 670 foot East-
west mini-beverage.
(Townshend, DC) Bill Townshend, Washington, D.C. - TRF, DX-160.
(Wen, CA) Robert Wier, San Jose, California - GE "Longrange" portable.
(Williams, OR) Dave Williams, Astoria, Oregon - Collins 75S-3C, SPR-4, SM-1,
360 foot longwire.
(Wilson, CA) Ted Wilson, Fullerton, California - FRG-7, QF-1 filter, Sanserino
loop.
(Wolfish, ON) Niel Wolfish, Toronto, Ontario - FRG-7, 25 foot longwire.
(Wood, NY) Leslie Wood, Merrick, New York.
(WRTH NL) "World Radio TV Handbook Newsletter", Hvidovre, DENMARK.

These are the people that made this issue of the IRCA Foreign Log possible. Their DXing and reporting to the DXWV and DXWV-II sections of IRCA's "DX Montior" provided the material that went into this log. A big thanks goes to all of them. Also, a big thanks is extended to Bruce Portzer, Charlie Taylor, and Father Jack Pejza, the men that spent all those hours editing the columns that this edition is based on.

KNOW

BOX 988 NOME, ALASKA 99762



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- TP Alaska - 550, 630, 650, 670, 700, 750, 780, 800, 890, 930.
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 PA Trinidad and Tobago - 610, 730.
 TA Tunisia - 719, 962.
 TA Turkey - 1016.
 TA U.S.S.R. - 656, 863, 1088, 1142, 1385, 1546.
 TP U.S.S.R. - 548, 575, 584, 647, 665, 782, 840, 973, 1250, 1376, 1475, 1525.
 PA Uruguay - 850.
 TA Vatican City - 1529.
 PA Venezuela - 570, 640, 650, 660, 670, 700, 710, 720, 740, 750, 770, 830, 910, 940, 950, 970, 980, 1000, 1010, 1020(2), 1040, 1070, 1080, 1110, 1120, 1170, 1180, 1190, 1200, 1210, 1290(2), 1360, 1370, 1420.

PA - Pan American Section

TA - Atlantic Section

TP - Pacific Section

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 UTC	AST ADT	EST EDT	CST CDT	MST MDT	PST PDT	YST YDT	HST A1ST
0000	2100	2000	1900	1800	1700	1600	1500
0100	2200	2100	2000	1900	1800	1700	1600
0200	2300	2200	2100	2000	1900	1800	1700
0300	0000	2300	2200	2100	2000	1900	1800
0400	0100	0000	2300	2200	2100	2000	1900
0500	0200	0100	0000	2300	2200	2100	2000
0600	0300	0200	0100	0000	2300	2200	2100
0700	0400	0300	0200	0100	0000	2300	2200
0800	0500	0400	0300	0200	0100	0000	2300
0900	0600	0500	0400	0300	0200	0100	0000
1000	0700	0600	0500	0400	0300	0200	0100
1100	0800	0700	0600	0500	0400	0300	0200
1200	0900	0800	0700	0600	0500	0400	0300
1300	1000	0900	0800	0700	0600	0500	0400
1400	1100	1000	0900	0800	0700	0600	0500
1500	1200	1100	1000	0900	0800	0700	0600
1600	1300	1200	1100	1000	0900	0800	0700
1700	1400	1300	1200	1100	1000	0900	0800
1800	1500	1400	1300	1200	1100	1000	0900
1900	1600	1500	1400	1300	1200	1100	1000
2000	1700	1600	1500	1400	1300	1200	1100
2100	1800	1700	1600	1500	1400	1300	1200
2200	1900	1800	1700	1600	1500	1400	1300
2300	2000	1900	1800	1700	1600	1500	1400

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	A1DT	Alaska Daylight Time
CDT	Central Daylight Time	A1ST	Alaska Standard Time
CST	Central Standard Time	HST	Hawaiian Standard Time
PDT	Pacific Daylight Time		

Abbreviations

a	approximate frequency	GG	German
AA	Arabic	GM	General Manager
AB	Alberta	GMT	Greenwich Mean Time
ABC	Australian Broadcasting Commission	govt	government
ACN	American Contemporary Network	GSO	"God Save the Queen"
addr	address	GY	Graveyard frequency
Ain	American Information Network	h	harmonic reception
Aen	American Entertainment Network	het	heterodyne
AFKN	American Forces Korean Network	HI	Hawaii
AFN	American Forces Network	hi	a laugh
AFRS	American Forces Radio Service	hr	hour
AK	Alaska	hrd	heard
AL	Alabama	HZ	Hertz, cycles per second
AM	Amplitude Modulation	IA	Iowa
ancr	announcer	IBA	Independent Broadcast Authority
anmt	announcement	ID	Identification, Idaho
ann'd	announced	II	Italian
AN	All-night	IL	Illinois
approx	approximately	IN	Indiana
ACR	Album oriented Rock	info	information
AR	Arkansas	inst	instrumental (music)
ARC	Arctic Radio Club	IRC	International Reply Coupon
AT-40	American Top 40	IS	Interval Signal
AZ	Arizona	JJ	Japanese
BB	Baseball	jx	jingle
BBC	British Broadcasting Corporation	KBS	Korean Broadcasting Service
BC	Broadcast, British Columbia	KCBS	Korean Central Broadcasting Service
BCB	Broadcast band	kHz	kilohertz
BFO	Beat Frequency Oscillator	KK	Korean
BoD	Board of Directors	KS	Kansas
CA	Central America, California	kw	kilowatts
CB	Citizens Band	KY	Kentucky
CBS	Columbia Broadcasting System	LA	Latin America(n), Louisiana
CC	Chinese	l&c	loud and clear
CE	Chief Engineer	loc	location
cl	classical (music)	LPRT	Low Powered Relay Transmitter
CO	Colorado	LSR	Local Sunrise
Corp	Corporation	LSS	Local Sunset
CT	Connecticut	LW	Longwave, Longwire
cw	country western (music)	MA	Massachusetts
cx	conditions	MB	Manitoba
DA	Directional Antenna	MD	Maryland
dB	decibels	ME	Maine
DC	District of Columbia	ment	mention
DD	Dutch	MI	Michigan
DE	Deleware	min	minute
def	definite(ly)	MM	Monday Morning
df	Direction Finding	MN	Minnesota
DJ	Disk Jockey	MoR	Middle of the Road (music)
DSA	Deep South America	MO	Missouri
DST	Daylight Savings Time	MS	Mississippi
DU	Down Under	MT	Montana
DX	long distance reception	MT	Medium wave, Megawatt
DXWW	DX World Wide	MWN	Medium Wave News
EBU	European Broadcasting Union	mx	music
EC	East Coast	NA	National Anthem, North America
ed	editor	NB	New Brunswick
EDT	Eastern Daylight Time	NBC	National Broadcasting Company
EE	English	NC	North Carolina
ELT	Eastern Local Time	ND	North Dakota
esp	especially	NE	Nebraska
EST	Eastern Standard Time	NF	Newfoundland
ET	Equipment test	NH	New Hampshire
et. al.	And all the rest	NHK	Nippon Hoso Kyokai (Japanese Broadcasting Corporation)
EU	Europe	NIS	News and Information Service
Euro	European	NJ	New Jersey
eve	evening	NM	New Mexico
EZL	Easy Listening (music)	NS	Nova Scotia
FB	Football	NSP	No Silent Period
FBC	Fiji Broadcasting Commission	NT	Northwest Territories
f/c	frequency check	NV	Nevada
FEN	Far East Network	nx	news
FL	French	NY	New York
FL	Foreign Log, Florida	NZ	New Zealand
FM	Frequency Modulation	o/	over
freq	frequency	OC	Open Carrier
FS	Foreign Service	occ	occasional(ly)
GA	Georgia	OH	Ohio
geo	geomagnetic	OK	Oklahoma
		OM	man

ON	Ontario	SSB	"Star Spangled Banner"
OR	Oregon	SSS	Sunset Skip
orch	orchestral (music)	stn	station
o/u	over and under	SW	Short Wave
PA	Pennsylvania, Pan American	t	tentative reception
PEI	Prince Edward Island	T-40	Top 40 (rock and roll music)
PFM	Precision Frequency Measurement	TA	Trans Atlantic
psm	program	TC	Time Check
poss	possible, possibly	temp	temperature
PP	Portuguese	tho	though
PR	Puerto Rico	thru	through
PRC	People's Republic of China	til	until
Pres	President	TN	Tennessee
prob	probably	tnx	thanks
PSA	Pre-Sunrise Authority, Public	TP	Trans Pacific
	Service Announcement	TT	Test Tone
Pwr	power	TVI	Interference from TV set
QU	Quebec	TX	Texas
QRA	Station Name	tx	transmitter
QRM	Interference	u/	under
QRN	Noise	UFO	Unidentified Foreign Oriental
QSB	Fading	unid	unidentified
QTH	Location	US	unknown
R.	Radio	UT	United States
RCN	Radio Cadena Nacional	UTC	Utah
rcvd	received	UTC	Coordinated Universal Time
reverb	reverberation	v	frequency varies, verification
RI	Rhode Island	v/c	verification by postcard
rlgs	religious	v/l	verification by letter
rpt	report	VOA	Voice of America
RR	Russian	v/q	verification by QSL card
rr	rock and roll music	v/s	verification signer
RS	Regular Schedule	VT	Vermont
rx	receiver	w/	with
SA	South America	WA	Washington
SAH	Sub-Audible Hetrodyne	WC	West Coast
SASE	Self-Addressed Stamped Envelope	WI	Wisconsin
SC	South Carolina, Survey Collector	w/o	without
SD	South Dakota	WRTH	World Radio TV Handbook
sec	second	WV	West Virginia
SID	Singing "ID"	wx	weather
sig	signal	WY	Wyoming
SK	Saskatchewan	YL	Young Lady
sked	schedule	YT	Yukon Territory
EM	Sunday Morning, Space Magnet	xlnt	excellent
	Antenna	xmtn	transmission
s/on	sign on	xmtr	transmitter
s/off	sign off	xtal	crystal
SP	Silent Period	?	unknown, unidentified
SRS	Sunrise Skip	//	parallel (programming)
SS	Spanish	@#%&	unpleasant, not nice

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, NJ 07565, for price.

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. Available from ARDXC, 3 Kadana Street, 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 US, 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.

