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NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

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NOTICE

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Membership in NASWA with a subscription to FRENEX will increase to \$18.00 on January 1, 1988. Even though this amounts to less than 17¢ a month, we dislike taking such action, but increased costs and the impending postage rate increase make it necessary. If your membership is due before January 1, 1988, your dues will be still \$16.00 no matter when they are received. Dues already paid in advance will be honored, of course, and NASWA will accept advance payments for membership at the \$16.00 rate from those whose renewal is due after January 1, 1988 providing such payments are received before January 1, 1988. We ask that anyone taking advantage of this offer please include the number after his name on the address label.

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Yaesu FRG-7700 in like-new condition with original carton and manual. Used one DX season and barely used since. Price \$225.00. For another \$10.00 I will include an Eavesdropper SW antenna. Cashiers check or money order only, please. I pay postage. George Paetzmann, 6001 Old Hickory Blvd., Apt. 245, Hermitage, TN 37076. (I will be on vacation the first two weeks in October.)

WANTED: For Drake R7A, RRM7 Range Receive Modules or AUX-7 board fitted with RRM7 Modules: MS7 speaker and Sherwood filters 3.0, 4.0, 6.0, and 8.0 MHz. Will pay cost of shipping these to the U.K. Please write to George Brown, 6 Glassel Park Road, Longniddry, East Lothian, Scotland.

FOR SALE: Uniden 2021 general coverage portable in excellent condition in original carton, \$99.00 postpaid in United States. ALSO Marten's Aircore super regenerative Broadcast Band Loop. This is Marten's best loop and it gives a huge boost to BCB signals. Imported from Germany and hard to find. In mint condition, \$110.00 postpaid in U.S. ALSO Regency 8-band crystal-controlled scanner. Works very well, \$45.00 postpaid. ALSO Sony 2010 general coverage portable in good condition with original carton, \$250.00 plus postage. ALSO dozens of antique radios and magazines including many radio supply catalogues from the 30's. Send SASE for list. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2459 evenings.

NOTICE: Savannah, GA SWL/DXer is interested in meeting with and exchanging SWL/DXing information with other NASWA members in this area. Please contact Hans Johnson, 11900 White Bluff Road #807, Savannah, GA 31419. Phone (912) 927-3943.



Contact

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October, 1987

We have a very busy column in front of us and no time to waste. Before we begin, let me extend congratulations to one and all on making it through another Summer (and DX/SWL dry period) and into the Fall, when it is both more comfortable and productive to spend long hours at the radio. By the way, a change of typeface this month – it is called Bookman: a clear, open and easily read face. Opinions, anyone? Page layout was done on Aldus PageMaker2.0a

The discussion in last month's CONTACT about the RNI pirates prompted Russ Lay (Lawrenceville, Georgia) – he edits the QSL column for the ASWLC – to send some interesting material about the position of broadcast pirates in international law:

[...] I took a course in international law, and after hearing and reading press reports about [RNI], I remembered my old text book having something to say about pirates. After reading the article you'll see that pirates are essentially vulnerable to being "legally" shut down if the offended country sees fit to do so. Two questions are raised in my mind however: A) This information is readily available, I wonder why the RNI guys didn't check this out before blowing \$100,000 on a five day venture, and B) I wonder why the British have not moved to shut down the new pirates – Laser588 and Radio Caroline? Seems precedent is certainly on their side. Anyways, hope you enjoy this.

The textbook is by Gerhard von Glahn: *Law Among Nations* (Macmillan, 1976). Piracy is defined as the crime of robbery and depredation of any public avenue of communication or travel by persons not holding a commission from an established state (with thanks to the *Oxford English Dictionary*). In a chapter entitled "Jurisdiction Over National Air and Outer Space," (pp. 370 - 372) von Glahn has a section devoted to radio communications. He begins with a history of the various conventions that have been convened in order to arrive at international agreements about the regulation of the air waves. Then comes the interesting bits:

[...]One of the basic regulations adopted by the Telecommunications Union has been the requirement that all radio stations must be operated in such manner as to avoid interference with the communications services of all contracting governments or agencies authorized by them. This regulation has been violated on a wholesale basis by the governments of the Soviet bloc states, which have caused to be set up extensive systems of radio stations purposely designed to interfere with (jam) broadcasts from western Europe and from the United States.

Around 1958 a new phenomenon in the communications sphere made its appearance and soon involved several aspects of international law – pirate broadcasting.

Privately-owned radio stations, located on vessels anchored or sailing outside the territorial sea, or established on artificial islands beyond territorial jurisdictions, began to broadcast to states whose governments did not permit, or controlled rigorously, the transmission of commercial advertising.

Under the rules of the Telecommunications Union, such com-

mercial broadcasting from international waters was prohibited, but responsibility for enforcement rested on the country in which the vessel in question was registered.

One of the major failings of international law has always been enforcement – making the laws has never been a problem: governments just love to make laws. Enforcement, however, would require that all of the signatory parties to a law would have to give up some of their autonomy as independent states – their sovereignty. Enforcement has almost always, therefore, been the concern of the injured party. Thus it is that when Russia breaks international law by jamming legitimate broadcasts, it is the appropriate government agencies in each country whose broadcasts are jammed that must lodge protests with the Russian government. The same principle holds true with respect to pirate broadcasters, only in this case, enforcement (even by an individual government) is probably going to be a lot more more effective than that undertaken against a sovereign government.

Von Glahn then goes on to cite a number of instances of pirate broadcasters who came afoul of broadcast law – both civil and international. Among them is the interesting case of *Radio Veronica*

[...]having been so popular in the Netherlands that the Dutch government initially [...] refused to ratify the 1965 Council of Europe Treaty [...] fearing that such a step would cost it too many votes¹.

[...]On January 20, 1965, the Council of Europe opened to signature the European Agreement for the prevention of Broadcasts Transmitted from Stations Outside National Territories. Ad in 1967, the United Kingdom enacted the Marine Broadcasting Offenses Act, making it a criminal offense to assist a pirate station in any manner, after an earlier (1964) Territorial Waters Order in Council, aimed at the stations located on fixed tower sites.

Votes and popularity: I wonder if these sensitive issues are at the bottom of the British Government's seeming lack of interest in moving against the pirates? Perhaps that is too cynical. Then again, perhaps not...

By a coincidence, I received a copy of ACE – a journal devoted, among many other things, to the activities of pirates: see the CONTACT BOOKCASE in next month's CONTACT.

In last month's column, we had a letter from John Eckert to the effect that he receives international broadcasts on his bedside clock radio. Commenting on this comes a letter from *Andrew Wallace* (Lowell, Massachusetts):

With regards to Father Eckert's note that he receives SW broadcasts on his clock radio, I would like to share an experience. Back in 1975, I had built a "crystal" radio (from a design in *Popular Mechanics*), and I strung up a long-wire for it. Later, I picked up a Radio Shack "Science Fair" crystal radio kit at a garage sale, and tried it out on the long-wire. It worked all right, but for some reason, I pulled the ferrite core out of the coil. The AM stations disappeared, and I began receiving some strange, fluttery signal. There was a tune being played over and over...was this someone practicing the piano, or what? After a while, the tune ended, and a man greeted me with, "This is Radio Nederland, from Hilversum." When I ran to my father, who was a Ham, and told him that I had heard Holland on the AM band, he set me straight of course, and lent me an ancient Air Castle radio, which had a shortwave band on it.

Well, I still have that crystal set, and when I tried this experiment recently, I got several stations, all at once! I keep thinking about building a crystal set which will tune the 49 meter band, and it should be possible to make one that is halfway selective.

Now, anybody can hear his blender on a shortwave radio, but is there anyone out there who can hear Deutsche Welle on his Mixmaster?

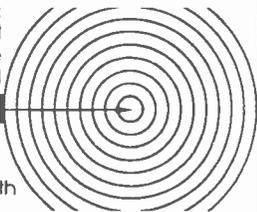
No, but I'm almost willing to swear (oops) bet (oops again) bear witness to having heard HCJB on the toaster oven...

¹ Eventually, in 1974, the Dutch government did ratify the 1965 Treaty.

DX'ers Forum

Conducted by:
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E-Mail: ODDX or ACE BBS
ID = Chuck Rippel
Deadline: 17th of the month



October, 1987

The month of October traditionally marks the beginnings of the DX season. This season should be a good one. The solar flux seems to be on the rise as we begin to enter cycle #22. Due to the high quality contents of this month's column, I am printing it courtesy of Rowland Archer's laser printer. Again, thanks to Contact editor Steve Moye for this month's masthead.

Many thanks to those of you who took the time to send in mail this last month. In particular I would like to thank Bill Martin from The Association of Clandestine Radio Enthusiasts (A.C.E.) for the sample copy of The ACE. Bill is the new publisher taking over from Keith Thibodeaux. For those of you who may be interested in clandestine radio and/or perhaps A.C.E., their new address is:

William J. Martin
P.O. Box 1744
Wilmington, DE 19899

This month begins not only the DX season but also the time when DX'ers Forum will begin to present feature articles by some of our hobby's most experienced and respected devotees. This month's article by DX'pert Bill Sharp is appropriate to launch this series. For those of you who don't know Bill, he is regarded in many circles as perhaps North America's foremost expert on DX'ing the Pacific Basin and most notably, Indonesia.

DX'ING THE INDONESIAN RADIO COUNTRIES (UPDATED) A FRENDX EXCLUSIVE

By William S. (Bill) Sparks

The November 1983 FRENDX printed my original article, which was a review of the Indonesian stations currently being heard from the several radio countries into which the political entity of Indonesia has been divided by the NASWA Country List Committee. Since there have been many changes in the station list and program material in the past four years, Chuck Rippel suggested that an update of the article would be appropriate for DX'ers Forum. Because there are many new members of NASWA who have not seen the 1983 article, we felt that a repetition of the entire article with the necessary changes and additional material would be the most beneficial approach.

The NASWA Country List Committee has split the political entity of Indonesia into seven basic groups of islands and made them separate radio countries for logging purposes. There is an eighth country included as the result of the takeover of Portuguese Timor by Indonesia in 1976. The basic reason for the division into so many radio countries is the vast distance between the hundreds of islands spread out along both sides of the equator. The distance between Banda Aceh in the west to Jayapura in the east is substantially greater than the distance between San Diego, California and Portland Maine.

The Country List has divided Indonesia into five main large islands and two smaller groups of islands with Irian Jaya included in Oceania and the balance a part of Asia. From west to east the individual Radio Countries are as follows:

- 1 - Sumatra
- 2 - Java
- 3 - Kalimantan
- 4 - Sulawesi
- 5 - Irian Jaya
- 6 - Bali and Lesser Sunda Islands
- 7 - Maluku Islands
- 8 - Portuguese Timor (East Timor), really a part of the Lesser Sunda group. It was a separate political entity until incorporated into Indonesia by the 1976 takeover of East Timor by Indonesia from the Portuguese, who historically had an SWBC station located at Dili.

INDONESIAN PROPAGATION CONDITIONS - It is a rare morning when reception conditions from all parts of Indonesia into North America are uniform. Indonesia is divided into three time zones. For most of the year, the only low frequency reception in North America from Indonesia is during the period just before and after dawn at the DXer's location. This corresponds to the period between dusk and the evening sign-off in Indonesia.

The Irian Jaya and Maluku stations have the earliest dusk and therefore the earliest fade-in time in North America. Likewise, they sign-off from two to three hours earlier than stations in Sumatra. The fade-in time for stations in Java and Sumatra tends to be about two hours later than for Irian Jaya stations.

It is not unusual to find that reception conditions from Sumatra are entirely different from other areas of Indonesia due to its location far to the west of the rest of the islands. It should also be noted that during the winter months in North America, reception of the morning schedules of stations in Sumatra and Java is possible along the Atlantic coast of North America at dusk. The main problem with reception at that time is that the DXer must fight strong QRM from stations in Africa and Latin America in order to pick up the weak Indonesian signals.

In the four years since the original article was prepared, there has been a definite decline in propagation conditions from Indonesia. Reception of many of the stations that formerly were heard on a regular basis has become very irregular. I have not been able to determine if the stations are now broadcasting on highly irregular schedules, or if the problem is perhaps related to changes in propagation conditions or due to deterioration of transmitting equipment and power supply. Indonesians on 120 meters have become so rare that I can't remember when I last heard one.

Another problem during the low sun spot period has been the appearance of all kinds of powerful utility stations all over the 90 meter band. On many mornings, I have found strong utilities occupying every frequency used by an R. R. I. station on 90 meters. We can only hope that the increasing sun spot count will draw the utilities up to higher frequencies leaving some clear spots for the SWBC stations.

CONSTANT CHANGES - Before presenting a review of the stations currently being received from each of the radio countries in Indonesia a warning is in order. These stations are constantly changing frequencies, going off the air with transmitter problems, or coming back on after repairs. Some of the material in this article will very likely be out of date by the time it appears in print.

Another thing to be aware of when logging Indonesian stations on the low frequency bands is that there are several instances where there are two Indonesian stations using approximately the same frequency at the same time. This may be true now of 3241, 3265, 3345, 3385, 3905, 3945-3946, but is probably no longer the case with 3960. Special care must be taken on these frequencies to identify the station that you have actually heard. Show the logging as tentative if you are not sure of the identity. I have tried to indicate the dominant station in my review.

THE CURRENT SITUATION - The majority of the stations mentioned are Radio Republik Indonesia (R.R.I.) stations, since they are the ones that are most likely to be logged throughout North America. In order to save space, I have identified the R.R.I. stations only by their locations. Non-R.R.I. stations are clearly indicated by RPD etc., to prevent confusion.

SUMATRA

1) Banda Aceh is the most westerly station in Indonesia. It is still using both 3905 and 4955. I suspect that the power listings of 50 kw. for 3905 and 10 kw. for 4955 are both vastly overstated. 3905 is frequently blocked by Radio New Ireland and 4955 is a rare catch. However east coast DXers should look for 4955 at dusk in the winter months.

- 2) **Medan** was formerly one of the better Sumatrans with consistent reception of 4764 variable up to 4766. That was prior to the arrival of Radio Moscow's Cuban relay station on 4765. Now you have to be lucky to catch Medan on that frequency. It also uses 3375 with lower power.
- 3) **Pekanbaru** still has the highest frequency and should be the best possibility on the East Coast. It has made small shifts in frequency during the past four years between 5886 and 5882. The past year or so it moved away from 5886 due to interference from Echo of the Masses. It has settled on 5894, at least for the present.
- 4) **Palembang** on 4856 used to be one of the old reliables. It is still using this frequency, but overpowering utilities have completely eliminated reception of Palembang.
- 5) **Sibolga** has been fairly consistent on approximately 5256. It is reported in Australia on 3241, but this frequency doesn't seem to reach North America very often.
- 6) **Bukittingi** remains a rare catch on 4910. Its best signal is on 3232 during strong Sumatran openings.
- 7) **Jambi** provides some good news. It has been back on 4927 for the past two years and has provided some consistent reception as early as 1100. It is now one of the better Sumatrans.
- 8) **Padang** There is no change here. It still has a strong signal at times on 4003, which remains a very poor utility-plagued frequency. There was a time when it used to share 3960 with Palu, and this could happen again in the future.
- 9) **Tanjung Kerang** is still on 3395 where it suffers from severe QRM from a Papuan and Radio Zaracay. On the West Coast, the best time to look for this station is at local dawn when most of the interference has faded out.
- 10) **Tanjung Pinang** has become extremely irregular on 3225. Transmitter problems or power supply problems seem to have resulted in very early sign-off times. Now it is not heard at all for long periods.
- 11) **Bengkulu** still is reported on about 3265, but there is still a battle between Bengkulu and Gorontalo on this frequency with utilities also dominating at times. Currently Gorontalo has drifted up to about 3266, where it still puts in a strong signal during good Indonesian openings. Gorontalo, like many of the other R.R.I. stations, takes the evening off at times. Then it has been possible to hear what I assume was Bengkulu with a weaker signal on 3264 (although I didn't catch an I.D.). Others have reported Bengkulu on this frequency.
- 12) **RPD T2 Labuhanbatu** reported in the 1983 list is still at times reported in Australia on a variety of frequencies in the area between 3790 and 3860 but doesn't seem to be making it into North America.

JAVA

- 1) **Jakarta** is most often reported on its International Service frequencies in various languages. Check with WRTH for times and frequencies. The domestic service of R.R.I. Jakarta still is most easily heard on the tropical bands. The best frequency is 4774. A different program can be heard on 3277, but with much lower power. This station also uses the 49m. band frequency of 6045 where QRM from powerful international broadcasters renders reception close to impossible.
- 2) **Bandung** is the chief station for Java Barat. It was very irregular on 3204 for a long time and seemed to be having transmitter problems. It has been heard again recently on this frequency, but the signal is still weak and subject to QRM from Radio West Sepik.
- 3) **Jawa Tengah Yogyakarta** on 5046 still provides very consistent reception and still has been heard with a short program in heavily accented English at 1130 UTC.
- 4) **Surakarta** once was the strong signal on 60m. from Java. It used alternate frequencies of 4932 and 4900. For the past year it seems to have dropped 4900 in favor of 4932. However, something is definitely wrong in Surakarta. For years it had the earliest fade-in of any of the Javan stations and was just booming in at local dawn. During the last six months I haven't heard a thing on 4932 prior to around 1400. The few times that I have heard Surakarta, it has been around dawn with a fairly clear signal. I have seen nothing to indicate that it has been using an alternate frequency.
- 5) **Semarang**, 3935 still can be heard through ham QRM on a good Indonesian morning.

6) Jawa Timur, has Surabaya as the provincial capital. The main R.R.I. station in the province is R.R.I. Surabaya which has settled down on approximately 3976. The signal is not strong, but it can be heard on a good Indonesian opening. The best non-R.R.I. station on the air is still RKIP Surabaya on 4699, where it has remained relatively free of QRM. This is the best bet for DXers in eastern North America who want to log a non-R.R.I. Indonesian. A more difficult catch is still on the air on 3000. It is RKP D T1 Jawa Timur.

7) The other Jawa Timur stations mentioned in the 1983 article remain extremely rare catches due to low power and heavy utility QRM. They are Maidun on 3286, Malang on 3381. I don't know if Sumenep on Madura Island is still on 3355.

8) A Javan station that was off the air for years and has recently moved to a frequency that does make a logging possible is Bogor now on 3953. It is subject to the usual ham QRM, however. When it returned to the air it was reported on the impossible frequency of 3960. The move to 3953 has made a logging at local dawn possible but still difficult due to low power.

9) There are low power RPD stations on Java. Reception of these stations the last four years has been so rare that there would be no point in trying to list them here since I don't know if they are still on the air.

KALIMANTAN

This area could still be difficult to log on the Atlantic Coast since most of the stations are on 80 or 90 meters and subject to heavy QRM.

1) Samarinda still remains a memory. To the best of my knowledge, R.R.I. Samarinda has not been on short wave since the 1983 article appeared. I have not heard it on any of its old frequencies, and I have seen no reports of loggings. If it does return, look for it on its most recent frequency of 3295.

2) Pontianak has been unusually clear for the past six months on 3995. The usual Russian stations have either moved to another frequency or have been off the air. This has allowed the clear reception of Pontianak. This station is still listed and sometimes reported on 3346. The only Indonesian I hear on 3345 or 3346 is R.R.I. Ternate. Pontianak does put in an occasional appearance on about 3447, but this is very rare, and the power is low.

3) Banjarmasin on 3250 is an "if only" station. If only that overpowering UTE would leave the frequency, Banjarmasin would be regular. Sometimes it even comes in through the UTE, but not often.

4) Palangkaraya on 3325 (erroneously listed as 3225 in 1983) still has a lot of competition on 3325, but it does come through at times.

5) The RPD T2 Bulungan listed in 1983 on 2977 unfortunately does not seem to be on the air at the present time. One of the main problems with the RPD stations is that they come and go and don't stay on the air for a very long time.

SULAWESI

1) Ujung Pandang, 4719 with its 50kw. transmitter still puts in the strongest Indonesian signal of all of the R.R.I. regionals. It should be the first regional logged in most areas of North America. Even with a high power U.S. Navy utility transmitter located less than 100 miles from my home on 4720, Ujung Pandang can always be heard reasonably well. The station has a second transmitter on 4753 which is used as an alternate frequency at times. On many of the big Indonesian or Moslim holidays, 4719 and 4753 are heard in parallel.

2) Kendari on 4000 still fades in fairly early and provides fairly consistent reception.

3) Palu, 3960 is getting more difficult to copy. The Chinese regional and other stations in Asia are causing heavy QRM. At least R.R.I. Bogor has moved to 3953, and Padang doesn't seem to be using 3960 as and alternate frequency any more.

4) Gorontalo on nominal 3265 has been heard as high as 3266.4, but it currently seems to have settled down on 3264.6. It is not providing reception at the strong level of a few years ago. It apparently is having transmitter or power problems. The station is either off the air or on very reduced power frequently. There is a second low power transmitter that drifts around in the area between 3794 and 3805 but is not heard in North America very often.

5) **Menado** still is heard regularly on 3215 where it seems to escape the QRM most of the time that causes so many problems for the other 90 meter Indonesians. It should be noted that the station now signs off immediately after the end of the 1200 Jakarta news relay. This is usually some time between 1220 and 1230. Love Ambon is not heard at sign-off. Instead some electronic organ music is heard. The alternate 49 meter frequency of 5987.5 has been used a few times in the past usually until around 1000 UTC. At present nothing is heard on this frequency.

6) There has been no sign of RPD T2 POSO on 3524.

BALI & LESSER SUNDA ISLANDS

This is still the really difficult area of Indonesia.

1) **Denpasar** 3945 is now listed in TBS at 5kw. I still doubt that the station is effectively radiating more than 1 KW. It only appears on the very top Indonesian openings, and even then with only a weak signal. Ternate and Tanjungkarang are both listed as having alternate frequencies here, so when an Indonesian is heard of 3945, you never know for certain the identity unless an actual I.D. is heard. Denpasar has started sending out a very nice QSL card since my 1983 article.

2) **Singaraja** 3398 remains a very difficult logging. I haven't noted any recent reports on it, so I can't be certain that it is still on the air.

3) **Mataram** 3223 is still heard infrequently on good Indonesian openings.

4) **Kupang**, 3385 still has to fight its way through Rabaul in order to be heard in North America. The best time to catch Kupang is in locations where the band is still open after Rabaul signs-off.

5) **RPD T2 Ngada**, Bajawa, Flores Island, 2904.5 has been the best RPD heard at my location for the last two years. This doesn't mean that it is an easy catch. If you think that you are getting top Indonesian reception conditions some morning, tune down to 2904.5 and look for this station.

EAST TIMOR - PORTUGUESE TIMOR

The only station that I know of here remains R.R.I. Dili. The station seems to have settled down on 3306. It is well to remember, however, that the station has a history of frequent changes of its frequency and that 3120 was an alternate frequency for many years. Reception of Dili has been very poor and infrequent recently.

MALUKU ISLANDS

In contrast to Lesser Sunda and East Timor, this area should be relatively easy catch in most areas of North America.

1) **Ambon** has again shifted away from its old 4845 frequency. It is now heard on 4835 with what seems to be a new high power transmitter. In spite of the fact that 4835 is just as poor a frequency as 4845, Ambon now dominates on 4835 in my location in San Francisco. It continues to have an early fade-in at 0900 or earlier, and instead of being completely lost in QRM by 1000 as was normally the case on 4845, it continues to dominate the frequency until dawn. It should be noted that Ambon does not carry the 1200 UTC Jakarta relay. It has its own musical program at this time. Also on my last check on it, Ambon did not carry the 1300 Jakarta relay either. Ambon has a low power transmitter on 3241 that is only heard during top Indonesian openings.

2) **Ternate** is another well heard R.R.I. from this area. Even during the poor Indonesian propagation conditions of the past couple of years, Ternate has continued to be heard reasonably well on 3345. Pontianak is also listed on 3345, but Ternate is the station that will normally be heard there.

IRIAN JAYA

This is probably the Indonesian "country" that is situated the closest to North America. It has the earliest fade-in time of any of the Indonesians and also the earliest sign-off. Like Portuguese Timor, it was a colonial territory at the end of World War II. It was a part of Netherlands New Guinea, and there were SWBC stations located at Biak and Sorong. In 1963, pending the turn over of the territory to Indonesia, the United Nations operated an SWBC station at Hollandia (now Jayapura) on 6070. For the past twenty-three or so years, Indonesia has been the colonial master of Irian Jaya and there are several R.R.I. stations now operating there. Constant changes of frequency has been the story of most of these stations as well as transmitter problems. At least two of these stations should be logged in most areas of North America.

1) **Jayapura**, is the key R.R.I. station for Irian Jaya. Strange as it may seem, it is one of the more difficult loggings at present. The best chance still seems to be the transmitter on 9612 between about 0900 and 1100. It is virtually impossible to hear the transmitter on about 6071 due to the many other stations on the same frequency. There is a low power transmitter on about 5044 to 5045 that sometimes can be heard.

2) **Biak**, is one that has been all over the dial. After a long period on 5451 it suddenly moved up to 5500.5; then back down to 5451 again. Then it just disappeared until it was finally found on the 49 meter band on split frequency of 5982.5, where it has settled down for the present. Biak is the one R.R.I. station that seems to adhere to a policy of ignoring all reception reports and follow-ups.

3) **Sorong** was on the move a bit during that last four years too. It spent quite a bit of time on 4871, but it has been back on its normal 4975 for some time now. It puts in a fairly strong signal, but at times the modulation level is too low and there is QRM from other stations. The appearance of the new Chinese station Voice of the Jinling on 4875 has resulted in severe QRM to Sorong after 1100 UTC.

4) **Manokwari**, seems to have left the 49 meter frequency of 6188 and can only be heard on 3986 where there is heavy interference from the Korean station on 3985.

5) **Serui** has been a regular on 4607 where it has fairly clear signals.

6) **Fakfak** has been putting in a surprisingly clear signal on 4790 that has been aided in San Francisco at least, by poor reception from R. Atlantida.

7) **Wamena** has had a greatly improved signal the past year. For quite a while it alternated between 4867 and 5043. When Sorong left 4871, Wamena gradually moved up from 4867 until it reached 4871. It is now being heard on 4871 with fair signal strength. It should be noted that Wamena does not relay the 1200 Jakarta news. The station signs off at 1207 to 1210 UTC. This gives DXers east of the west coast of North America an opportunity to hear a Love Ambon sign-off.

8) **Other Irian Jaya stations:** Merauke is listed for 3905, but I don't know if anyone has heard it on this frequency. Nabire was heard a few times on listed 5055 but now seems to be back on the 49 meter band at approximately 6127. In any event, both of these stations have to be considered extremely rare DX.

Use of Indonesian Station Lists: Because of the many changes in stations and frequencies reported above, one would think that keeping an Indonesian station list is futile. My own experience is that if you are serious about Indonesian DX, you never destroy an old Indonesian list. While the stations tend to move around the dial on a regular basis, a large number of them eventually return to one of their old frequencies. It may be ten years or more before this happens.

Identification of what appears to be a new Indonesian station that has not been reported on a particular frequency by a DXer in North America is extremely difficult. We are usually dealing with a weak signal through a high noise level and possibly QRM from other stations. Identification of such a station from scratch with no clue as to possible identity can be an impossible task. However, if our "new" station happens to be an old favorite that has moved back to one of its old frequencies, as so often happens, an old and out of date frequency list might just supply a needed clue. This will give you an idea of what to listen for during the weak I.D. announcement. Without the clue, the announcement would be just so much hash.

IDENTIFICATION OF INDONESIAN STATIONS - Because of the many changes in frequencies, the use of the same frequency by more than one Indonesian station, and the on again - off again nature of their operation, accurate identification of the station being heard before reporting a definite logging is important. Yes, the Indonesians do broadcast local identifications. The R.R.I. stations tend to ID more often than the RPD stations, and the stronger signals make it easier to ID the R.R.I. stations.

Obviously, there will be no local ID during a Jakarta relay period. The relays are heard on all of the R.R.I. and most of the RPD stations at 1200, 1300 and 1500 and last from fifteen to around thirty minutes.

The time to be alert for a local ID is at the end of a local musical program, just before the start of a Jakarta relay. The announcer at the regional station will give the station ID, if he has time, prior to the commencement of the interval signal, tanda tunggu, on the chimes normally described by Indonesian DXers as S.C.I., Song of the Coconut Islands, which should be listed in your reception reports as Rayuan Pulau Kelapa and not Love Ambon.

The other time to be especially alert for a local ID is after a Jakarta relay ends. You will always know when a Jakarta relay or even a regional or local news session is about to end. There is a recorded patriotic song or anthem by a large mixed chorus and orchestra. When the anthem ends, the local announcer will come back on and normally give a complete ID before the local program continues. Local ID's are often heard on the half hour also.

Unfortunately the matter of the "anthem" at the end of the Jakarta relay is now subject to regular changes also. For many years, the "anthem" was sung by a large mixed chorus with a symphony orchestra. For a while the large mixed chorus was dropped, and there was just a few bars of the music by the orchestra. Then about a year ago, the large mixed chorus was heard again, but there was only a piano accompaniment. The most recent change has dropped the chorus again, and only a few bars of music by the large orchestra is heard. So be prepared for an ID shortly after hearing any of the above.

While it has not been my intention to go into the matter of QSLs from the Indonesian stations and writing Indonesian reception reports in this article, probably the best news to be reported at this time is Gerry Dexter's Language Lab in Indonesian. This should be available at Tiare Publications by the time that this article is printed. Obtaining the forms needed to put together a satisfactory reception report in Bahasa Indonesian has always been a problem for DXers. Anyone who has used one of Gerry's Language Labs for Spanish or French reception reports will know what a great help the new book will be in preparing Indonesian reception reports.

LOVE AMBON - There continues to be confusion over Love Ambon and Song of the Coconut Islands (S.C.I.). S.C.I. is the interval signal played on what sounds like a carillon. Love Ambon is only played at sign-off. It is a hauntingly beautiful melody on a kroncong in an arrangement that reminds one of the Hawaiian steel guitar. Most of the R.R.I. stations and some of the RPD's use Love Ambon as a sign-off melody as follows: at the end of the day's schedule, the announcer makes a short ID announcement. The Love Ambon melody starts. After a few seconds, the announcer makes his final announcement which includes a complete ID along with the wavelength (gelombang) in use and the station's location. Then Love Ambon continues for possibly a minute until the power is switched off.

For those who have not yet experienced the joy of DXing the Indonesian stations, I hope that the information included in this article will provide an incentive. Those who desire to increase their Scoreboard Country total will have every reason to concentrate on the Indonesian Radio Countries. Try it, and don't forget to report your loggings to **FRENDX**.

CONTACT BOOKSHELF

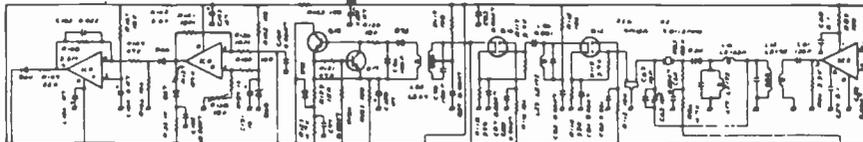
It has been a very real pleasure to see the growth and development of the **Radio Database International**. It has always been a wonderful reference, but the latest edition (1988) is absolutely superb, and a real steal at the \$14.95 plus \$1.95 shipping (surface, worldwide) or plus \$9.95 shipping (airmail, worldwide). The book - now called **Passport to World Band Radio** - has a new and glossy, eye-catching cover, and is in three sections (almost 400 pages). First, there is a section of articles about how to listen to SW - sorry, world band - radio, by experts such as Don Jensen. There are also articles about some broadcasters including one by Ian McFarland about Radio Canada International. Second, there is a wonderful series of excellently written thumbnail descriptions of just about every SW radio on the market (these are, in part, based on the RDI White Papers that delve into great and welcome detail about a large number of receivers, antennas, and general topics - see below).

The third section, and the heart of the book, is a listing by frequency of SW broadcasters. This 255-page compendium of international broadcasting is as easy to use, and useful as any reference that I can think of. The graphic format is simplicity itself to use, and the information is easy to assimilate, and - most important of all - **accurate** (as far as my own listening checks have indicated). Also included is a valuable cross-reference to frequencies used by country. In short, there is very little that cannot be found out about activity on world band radio from the **Passport to World Band Radio**, and it ought to be in your shack/library.

Most SWL retailers stock this book and you can obtain it from them. Alternately, you can write to International Broadcasting Services, Ltd., P. O. Box 300, Penn's Park, Pennsylvania 18943, USA. You might also ask for a listing of the most recent RDI White Papers (a list is given in **Passport to World Band Radio**).

See you next month. Many warmest 73s and much good listening -

Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, P. O. Box C-4, Cinnaminson, NJ 08077

Autumnal Equinox:
or
Frost on the Pumpkin

It is the season of Hot DX! All us dial twisters are out there happily tweaking the frequencies. But some of us live in cooler climes and the drafts are rising as the static crashes fall away. The users of solid state equipment are forced to shiver and shake in cold communication monitoring. It is in this season that those who still love the Vacuum Tube stay warm as we dx, warming our hands over the glowing capsules of faint reddish light.

To remind us of this hollow state warmth I turn my column over to ANDREW G. WALLACE as he comforts our freezing solid state brothers and sisters with a receiver review of one of the truly great communications receivers of all time, THE NATIONAL HRO-50-1. Take it away Andy!!!

THE NATIONAL HRO-50-1
by Andrew G. Wallace

To make this review more interesting, I am not going to go into dry specifications. Instead, I will highlight the features of the HRO-50-1 that are unusual when compared with its DX siblings.

In 1951, \$359.00 F.O.B. Malden, Massachusetts got you a shiny new National HRO-50, and for an extra \$10.75 you could get the matching speaker. Now, this was not small peanuts, but the quality of construction of this set seemed to vouch for its high price. The 50R1 model mounts in a standard 19-inch rack (like the Collins R390A and others), and the model I have, the 50T1, is a table model. This receiver has an attractive gray finish, rounded corners, controls with very positive "Feel", and a comfortable panel layout. I also like the S-meter style National used here, with a yellow scale up to S-9, and a red scale to +40dB.

One of the first things you will notice about this receiver is the large "micrometer" dial, characteristic of the HRO series. This tuning knob has markings around the circumference, along with five small windows which allow numbers on a dial underneath to show through. It is geared such that these numbers advance, counting by ten, and when used in conjunction with the markings between the windows, it provides a "logging scale" reading from zero to 500.

To change bands, another old National feature is utilized. Band coverage is determined by a plug-in coil set which is inserted in the front panel of the HRO. I have a set of six coils covering 480 kHz to 30 MHz, and other coil blanks were available to extend coverage down to 50 kHz. Most coil sets had a band-spread range, which was brought into play by moving four silver-plated springs contacts on the coil set before inserting it into the receiver. Main tuning is shown on the slide-rule dial drum, which has space for eight band scales, corresponding to the coil sets purchased. A knob brings the proper scale into view. If a coil set has a band-spread feature, the upper half of the scale shows general coverage and the lower half shows the band-spread (usually for the amateur bands).

The HRO-50 is not without shortcomings, as it is a sixteen tube direct-conversion superheterodyne. Therefore, you will occasionally find images, especially near the 49 meter band. Also, on some bands, the dial markings are almost impractically too close together. (My brother saved my DX life when he built me a combination signal generator/frequency counter, which read to the kHz and made finding frequencies on the HRO-50 much easier. Sorry, but I don't have a schematic!) A plus is that the receiver is stable when warmed up, and the tuning dial is free of backlash. Its sensitivity is also good, and it worked well when I used only a simple indoor antenna.

Accessories were available. A 100/1000kHz crystal calibrator could be mounted inside the cabinet, and switched on at the front panel, as could a narrow-band F.M. adapter. National also offered an active audio filter, the Select-O-Ject, which interfaced via a connector on the rear panel. An external speaker could be purchased, in either a rack or a table model to match the receiver. The specs on the HRO say that the output is "high fidelity" (there is a phonograph input) and that eight watts are available. I find I like the sound better with the tone control turned up a bit.

Occasionally, a decent HRO-50T1 may be found at the Ham flea markets, with several coil sets, at perhaps \$100.00. If you are starting a collection of "boat anchors", why not include one with style? Seriously, the HRO series is a receiver design that is unique and worthy of attention. I can only think of one NASWA contributor who listed the HRO50 as his main receiver. I started SWLing on an ancient Air Castle table radio (anybody remember the Magic Eye Tube?) and so the HRO-50 was my first "real" receiver. Perhaps that is why I am fond of it. Besides, are you willing to bet that your Icom, or Kenwood, or what-have-you will be running well 35 years down the DX road, as this receiver (and others like it) is?

Andrew G. Wallace
65 West Forest St.
Apt. 2
Lowell, Ma 01851-4827
(Letters welcome)

Andrew goes on to ask me about a publication I had some responsibility in founding called the R-390 Journal. This newsletter, developed by CHRIS HANSEN and your humble editor began as a source of information for and about the URR series of military receivers. Over time it expanded to become THE HOLLOW STATE NEWSLETTER. Chris is now the publisher, DALLAS LANKFORD is editor and I remain on board as the contributing editor. The HSN is published approximately four times per year and sample issues are available at \$1.00 each by writing.

The Hollowstate Newsletter
c/o Chris Hansen
P.O. Box 1226
New York, NY 10159

Tell him Skip sent you.

Speaking of the R-390A, it is with great sadness I must report the passing of ART COLLINS W0CXX who died February 25, 1987 at the age of 77. He was personally behind the development of all the great receivers and transmitters produced by Collins over the years. Upon learning of his death I went into my shack and toasted his memory while lovingly touching the main tuning dial of my R-390A. This receiver is known by all who understand communications gear to be the greatest, best designed, general coverage receiver of all time. That they remain in use long after production stopped will maintain the memory of Art Collins well into the future. Any radio that can stand a blast of machine gun fire and keep on tickin' is certain to outlast its creator and several generations of owners.

GOODBYE ART...AND THANKS!!!

73,

Skip
W0ZGHA

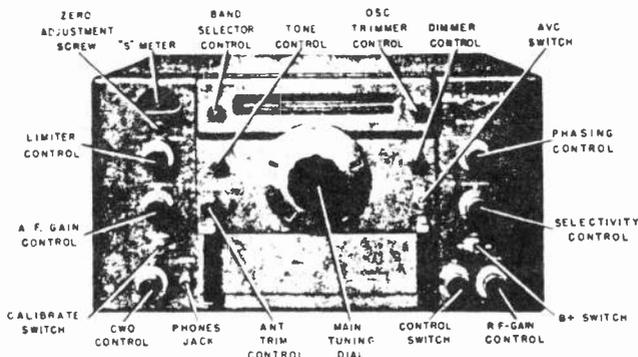


Figure No. 5. Front View of Receiver

Computer Corner

Editor: Tom McElvy, P.O. Box 9645, Norfolk, VA 23505-0645

GREETINGS from Norfolk, and welcome to yet another edition of the famous COMPUTER CORNER! (no ego problem here!) Well, I think I have gotten all of the bugs worked out of me, so I will try and proceed with a normal column. But first, let me offer some SOUND advice to anyone using a computer to do his/her work, and then decides to change systems: DON'T!! The transition to MicroSoft Word for MS-DOS from Pocket Writer for the C64 has been a nerve-wrecking experience (just ask my girlfriend or my kids!). But, I think I have things under control now! (HIHI)

ANARC BBS BACK ON-LINE!

Within several days of the last issue of FRENEX going to the printer, I received a note from Bill Cole advising that the ANARC BBS is back up and running. The problem was one of the many bugs found in the C128 roms, but Bill's wisdom has enabled him to find the problem, and get things back up again! Please be sure to support the ANARC BBS; and you can call it at (217) 368-3124.

NEW IDEAS DEPARTMENT (?)

Over the past few months, several people have mentioned the notion of a NASWA BBS. These people include CONTACT editor Steve Moyer and DX'ers FORUM conductor Chuck Rippel. I must admit, the idea is a good one; as it would enable instant uploading and downloading of log reports, QSL reports, late-breaking stories, etc. So, dear readers, the question is:

WHAT DO YOU THINK OF A NASWA BBS??

I would greatly appreciate some input on this! Letters are preferred, but you CAN spend a few pennies (HI) and call me at (804) 497-5151 in the evenings before 0230 UTC. Please let me hear from all of you on this, INCLUDING you editor folks!

COMPLAINT DEPT. II: HELP!!

Well, I know that the sunspots are down, and that the DX is not in your Icom like it used to be. BUT COME ON FOLKS, this column is only as good as YOU help make it! I can come up with lots of "fluff" but my desire is to provide you all with information on computers in general, and specifically how to apply them in the SWL hobby! So, how about some input from you, the readers?? I would REALLY appreciate it! Do you know of a new program for a computer (does NOT have to be MS-DOS or C-64 stuff), or a new BBS with SWL related materials?? Drop me a note or a phone call and let me know! This is YOUR column, I only edit it! Look forward to hearing from many of you SOON!!

INFORMATION, PLEASE...

I have had a number of people ask me about the different concepts in software: Shareware, Freeware, Public Domain. Since this is a commonly asked question, especially by the new computer user, I thought I would try to set the record straight!

Public Domain software is just what the name implies. It is software that the author has written and released to the public, without expectations of ANY remuneration. Most often found on BBSs, there are literally thousands of pd programs out there for the choosing; many of them are excellent, and many of them are real dogs. It is up to YOU to decide what you want!

From all that I have found, shareware and freeware are essentially the same. They are also referred to as user supported software. User Supported software is a means for the computing community to receive quality software while directly supporting the software authors. It is based on the following ideas:

- 1: That the value and utility of software is best assessed by the user on his/her own system. Only after using a program can you really determine whether it serves personal applications, needs and tastes.
- 2: That the creation of independent personal computer software can and should be supported directly by the computing community.
- 3: That copying of programs should be encouraged rather than restricted. The ease with which software can be distributed outside the traditional commercial channels reflects the STRENGTHS, rather than the weakness, of electronic information transfer.

Under the user supported concept, anyone may request a copy of a user supported program by sending a blank, formatted disk to the program author together with an addressed postage-paid disk mailer. A copy of the program, along with the documentation, will be sent by return mail on your disk.

The program carries a notice suggesting registration of the program. Registration is voluntary on your part. It is, after all, YOUR conscious that you have to live with!

Regardless of whether you register or not (you should, hint-hint), you are encouraged to copy and distribute the program for the private, non-commercial use of others.

THE PINELANDS BBS: AN OVERVIEW

The PINELANDS BBS, operated by Tom Sundstrom, is a MS-DOS based bulletin board, using the RBBS software package. As part of the SEAdog network, Pinelands communicates regularly with other SWL BBSs around the country, including the ACE BBS and several FIDO boards. Operating at 300/1200/2400 baud, Tom has put together a board that includes an active and interesting message base, as well as a large selection of downloadable program files for SWL/ham enthusiasts.

Taking a moment to glance at the downloads, Tom has included some VERY interesting files. As an example, you have at your disposal PROPPPLUS, a SWL-oriented propagation prediction program. Another file will yield a WORLD TIME CLOCK, which will display the time anywhere in the world right on your computer screen! Some of the other files include the SPEEDX Africa column, courtesy of Al Quaglieri, text files of SW jammers that have been identified, logbook programs, GRAYLINE programs, and even files for other computer users, such as files for dBase III+. One that I found extremely interesting is called UTIL_LOG.ARC. This file is a logging record program that Tom wrote. To use it, you would enter data gathered from SWL bulletins & magazines, and it places it ALL into a file, by frequency, that you can scan or search, reports of your loggings by day or frequency, plus a master list.

All told, Tom has put together an excellent BBS. Certainly worth the call, you should try the PINELANDS BBS at (609) 859-1910. Access can be gained without any payment or access fees, but it would be very helpful if you could donate either a small sum or upload files to the board. I know from my personal experience of running a BBS that it takes lots of time AND money - I am sure that Tom would appreciate it!

TEACHERS' PET PEEVES:

Instructors' comments to PC fundamentals classes at a Texas-based Fortune 500 company:

- "One-fingered typists are going to have trouble with the next command. It's called a 'warm boot.'"
- "The paper light will go out *after* you run out of paper!"
- "The on/off switch at the back of the printer is your first clue that the manufacturer did not have you in mind."

IN CLOSING...

How many dBASE programmers does it take to screw in a lightbulb?

Three. One to write the light removal program, one to write the light-bulb insertion program, and finally, one to act as light bulb administrator to make sure nobody else tries to change the lightbulb at the same time!

Well, the end of another month. The news says Fall is here... and it sure feels like it. Kids are in school, my nose is stopped up, and my wallet thinks I own part of the cold medicine industry. It has been fun, and I look forward to another year or two of doing the COMPUTER CORNER for you. PLEASE let me know what you want, as well as send in your questions, comments or complaints. Also, feel free to call anytime before 0230 UTC!

Until next month,

73!
Tom

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NASWA Awards Program:

Awards Chairman: John M. Kupinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Tis past the Ides of the month and time to prepare the NASWA Awards Page. Should I not do so, our erstwhile Publisher will yell at me, which creates a rather complicated series of events. Bill yells at me, I kick the Big cat, the Big cat beats up the little cat and then the little cat goes out in the back yard and kills a Blue Jay (sorry, Toronto area readers). So, to avoid all of these problems, here are the folks who earned NASWA Awards as of September 16, 1987:

Richard D'ANGELO, Wyomissing, PA: Senior British Commonwealth DXer, Master British Commonwealth DXer, Ecclesiastic DXer, Senior Ecclesiastic DXer with 35 station endorsement, North American Continental DXer, North American Continental DXPert, Soviet Sphere DXer, Australian DXer with 10 station endorsement

James W. EVANS, Germantown, TN: European Continental DXer, North American Continental DXer, South American Continental DXer, DXer de Pacifica, DX Centurian

John M. FISHER, Chelmsford, MA: DX Centurian, European Continental DXer, Asian Continental DXer

Ken KASHIWABARA, Panorama City, CA: Senior Ecclesiastic DXer

Rick KRZEMIEN, Walnut Creek, CA: European Continental DXPert, Senior DX Centurian 170 country endorsement

Stephen H. PONDER, Bossier City, LA: Ecclesiastic DXer

Jerry RAPPEL, Davenport, IA: European Continental DXer

***** kap's KOMMENTS *****

As regular readers might have noticed, we have decided to list all Award recipients as of the date we prepare this column. Our normal preparation date is around the Ides of the month, though personal and professional considerations do change things around a bit.

Our welcome to Jim Evans to the Awards Program. We well remember Jim's contributions during our SPEEDX QSL Column editorship days.

Tiare Publications, PO Box 493, Lake Geneva, WI 53147 has released the latest in their series of Language Labs, this one for Indonesian reception reports. A must in any true DXers library. Cost is \$12.95 + \$1.50 postage in North America. Their French, Spanish and Portuguese Language Labs remain available at the same cost.

We noticed in a recent Glenn Hauser's DXLN a question regarding how to QSL the various Radio Moscow sites and Republics. Since the apparent demise of the UHN Newsletter a lot more work is involved. The shotgun approach works, along with the judicious use of Radio Database International, THE SPEEDX Guide to Soviet Broadcasting and of course the old standby WRTVH. No one did say it was going to be easy, folks.

On the same subject, we have come up with a Radio Moscow / Soviet Sphere Site combination logging and QSL record sheet. Being in a pretty good mood today we offer these for SASE/IRC. Not the fanciest things in the world, but they do work.

Our sources tell us that the VOA is really getting sloppy on QSLing sites. Should you get the run-around, may we suggest a Nasty-Gram to your Senators and Congresspersons. We're (at least U.S.A. DXers) not allowed to get goodies such as pennants, magazines, etc, at least we should be able to get the courtesy of a correct QSL. It might not be a bad idea to also remind our Elected Representatives that we are not very pleased that AFRTS will not QSL domestic reports. Perhaps it is high time that we remind some folks as to actually does pay their salaries. Back in the mid 1970's VOA got on a no-site QSL kick, some serious hell-raising got the problem cured quite quickly.

OK, enough, till next time.

BSS, Kap 9.16.87



Listeners Notebook

GLENN HAUSER, Box 1684, ENID OK 73702 NEW ADDRESS

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ABU DHABI ITU regs for S87 from V of the UAE 500 kW facility: 5985 02-04, 6015 02-07, 6065 14-2130, 6125 14-2130, 6145 13-2130, 6185 02-08 & 14-2130, 6195 02-08, 7195 1530-2130, 7215 16-2130, 7225 14-2130, 9585 18-2130, 9595 16-2130, 9630 1530-2130, 9655 08-14, 11750 15-18, 11810 18-2130, 11815 16-2130, 11825 12-09 [sic], 11875 08-16, 11915 09-13, 11960 16-20, 15115 14-18, 15195 1230-16, 15230 13-2130, 15310 08-16, 15350 14-18, 17710 11-1530, 17720 02-1330, 17810 08-13, 17820 0630-1015 & 1230-16, 21675 04-08. Also, 120 kW xmtr at Makta on 9685 16-2130 & 02-0630 (ITU via Bob Padula, Sept Australian DX News)

Above includes 13 fqs simultaneously closing at 2130. No doubt duplicated registrations allowing fqs choice within them, as I don't think they have that many 500s (gh)

AFGHANISTAN HS *0130 on 7200 w/flute IS and opening anthem, not noted on 7235, 9755 as reported from some; 31/7, SIO 242 (Dr Supratik Sanatani, Calcutta, July-Aug Indian DX Club International Asian DX Review)

TASS reported 18/8 from Moscow: Soviet Union will deliver to the Dem Rep of Afgh eqp needed to ensure radio bcng on the whole territory (WBI 28/8)

ALASKA Tent KNLS S87: 08-09 11860 EG As. 09-10 11820 EG As. 10-11 11930 EG As. 11-1230 9710 CH. 1230-14 7355 CH. 14-15 9750 JP. 15-1730 9750 RS. 1730-2030 11700 EG As. 2030-23 11980 RS Eu (Lucio Coceani, Michael Rolph, Charles Jones, Sept ADXN)

ALBANIA [Cf Sept LN-16] During winter time in Albania all pgms will be hrd one hour later than listed (WBI 4/9)

ALGERIA S87 regs w/ITU for Rdif TV Alg show two sites: Bouchaui--B--with 50 and 100 kW, and Ouled Fayet--OF--with 50 kW: 6145 OF/50 07-24. 6160 OF/50 06-24. 7145 B/100 15-24. 7245 B/ 50 06-20. 9510 OF/50 08-19. 9535 B/100 06-24. 9595 B/100 05-16 & 2130-22. 9640 B/50 07-01 & 21-02. 11715 B/50 06-21. 15160 B/100 07-18. 15205 B/100 05-22. 15215 B/100 05-04 [sic]. 17745 B/100 08-15 (via Bob Padula, Sept ADXN)

AUSTRALIA RA Talkback reported 6/9: Most domestic ABC MW stns commenced 24h opn 1/8. Also included Brisbane & Perth SW VLM, VLQ, VLW on 4920, 9660, 9610 resp. From 13/8 the NT stns also 24h: VL8A Alice Springs 2310 & 4835; VL8T Tennant Creek 2325 & 4910; VL8K Katherine 2485 & 5025 all on same sked: 120 m at 0730-2230, 60 m at 2230-0730 (WBI 11/9)

A U S T R I A Austrian Army Training Stn, Fleckendorf, M-F 0930-1330 in GM on 5035 3378 w/mx, info and morse code training courses (WBI 4/9) Note later opening time than in WRTH 87; all-important datum for potential NAM audience (gh)

B A N G L A D E S H HS of RB on 6220 arnd 1230-1715, fq also anced which means it's official. Dhaka-A pgm // 693 kHz. 4880 also Dhaka-A at 00-02+ & arnd 13-16* 30 mins of EG at 1530-16 on 4880 and 6220 (Dr Supratik Sanatani, Calcutta, India, July-Aug IDXCI ADXR)

B E L G I U M BRT partially re-sked EG effective 27/9 to 31/10, with planned changes for D87 starting 1/11 in parentheses: 08-0825 M-F Au 9860 (5910), SEAs 21810 (17600). 10-1025 M-F Af 17610 (15510), 21810 (17610) [sic]. 1330-1355 M-Sat NAM 15590, SEAs 17600. 1630-1655 M-Sat Af 17610 (15510), 21810 (17610)[sic]. 1830-1855 daily Eu 1512 6035 11695(9860). 22-2225 daily Eu 1512 6035, NAM 9675 (5910). 0030-0055 daily NAM 5910, SAM 9925. Radio World is on the Mon 08, 10, 1330 bcs, Sat 1330, 1630, 1830, 22, 2430 bcs, Sun 1830, 22 & UTC Mon 0030 (gh)

There is also a svc called BRT International, "a truly European pgm in 5 langs at 18-2230 on 1512 and 6035," a BBC-648 way of enhancing continuity (gh)

B H U T A N BBS Thimpu continues vy steady on 6035 EG 1330-14 (Sun 0830-09). They seem to be out of the xmtr problem which bugged their sig some times back. Pgming pattern is upgrading too as BBS prepares itself for the 50 kW xmtr. Now there are three ancrs in the EG svc, w/the inclusion of a lady some times back. Deputy Director Ms Louise Dorji, the driving force behind this stn can still be hrd ancg. One can hear occl features pgm, e.g. "The devil on wheels-- the story of the motor car". But best spot are the anmts after the nx. 28/7: "The Royal Bhutan police says that an identity card has been found outside the cinema hall in Thimpu, belonging to ... Dorji of He is requested to collect it". Also ancs about a road which will be closed on certain dates for repairs. Ancr apologises for the inconvenience caused (Dr Supratik Sanatani, Calcutta, India, July-Aug IDXCI ADXR)

B R A Z I L RNB in EG 1830-19 on 15265, then GM to 1950*, 25/6 & 6/7 (Alakesh Das, Guwahati, IDXCI ADXR) EG starts at 18; other EG is 02-03 11745 (J87 sked via Ralph S Bowden, USA, IDXCI) Before the Amazonian svc in PT at 22 on 9760 22/8, that fq seems to carry the ES in EG at 21-2150 (Bob Padula, Sept ADXN) Really? Usual sked, incl that from Bowden above, shows PT ES on 9760 at 21. I believe VOA is in EG on 9760... (gh)

B U R M A New stn on 6570 reported IDing as the "Mymyo [sic] Defence Forces Broadcasting Unit" is being hrd w/VG sigs at 1030-1330. Pgming in sev'l Burmese dialects as well as in RM. IS of mx piece diff from BBS but same instruments. Definitely not the Taunggi [sic] xmtr because from strength it appears to be a 50 kW xmtr whereas Taunggi used a mere 1 kW. Name is quite confusing because Maymyo [sic] is a peaceful town in central Burma not known to have any large garrison, whereas Taunggi is essentially a garrison town in the Shan state. Maymyo is better known as a health resort and has a very famous hospital (Dr Supratik Sanatani, Calcutta, July-Aug IDXCI ADXR)

Monitoring of the new Burmese Army Stn on 6570: 5/8 w/this opening anmt in BM: "Thouta shin lauta pyetu mya apound chataye min gala apy apy ne pye shong ba sayshin. Deganey chatabade ne 1987 August 1a hna yeh, cyane baine asi sin mya go tamdaw athan hlwint ma 45.66 meter phit, sa tin athan hlwint ney barde" (All the listeners and working people, wish you happy and good health. Today Thursday the 5th August 1987, we are starting our evening xmsn from Voice of Armed Forces on 45.66 meters). Pgming in EM and dialects 1030 Pwo, 1100 Lwela, 1130 Kayah, 12 Shan, 1245 BM to 1300*. But Sun 2/8, Pwo & Lwela xmsns not noted w/sked 1030 Kayah, 11 Shan, 1145 BM. Kayah and Shan are two states in Burma and Pwo and Lwela are dialects in Shan state. Pgm material consists of request pgm by Armed Force personnel from all over Burma. No ID regarding place of stn noted. 5075 noted evening w/BBS Rangoon // 5985 but very low power. This is probably the former Burmese Army stn Taunggi xmtr, which is being used as a relay for BBS Rangoon. This stn may be seen as an effort by the Burmese authorities to increase radio coverage to the insurgency prove [sic] Shan state. Maymyo is a town in the Shan state but situated on one side of the state whereas Taunggi is in the heart of Shan. So the Burmese authorities did not risk having a high power xmtr there, lest it falls into the hands of the insurgents. Maymyo is a safer alternative (Babul Gupta, who has spent 18 years in Burma, IDXCI HQ staff)

Previous assumption had been that Taungyi had acquired the new higher power xmt. One must be very wary of // stns logged 910 kHz apart (5075 & 5985) as receivers with 455-kHz IFs put images such a distance apart (gh)

BRS Rangoon 5985 hrd w/school lessons in EG 1245-1300, in addn to regular EG xmsns 02-03 7185, 07-0730 9730, 1430-16 5985. In those xmsns pgming consist of rx and western mx (Supratik Sanatani, Calcutta, July-Aug IDXCI ADXR)

B U R U N D I Correction to WBI 3/7: 3300, not 3330 (WBI 11/9)

C H I N A Zhejiang PBS, Hangzhou, reported 30/7: Construxion of a bcng centre for Zhejiang prov radio & TV will start in first quarter 1988. Covering 4.6 ha, centre'll include 18-storey main bldg. After completion, radio & TV xmtg capacity'll be greatly increased (WBI21/8)

For at least two weeks since 7/9, RCI has been blocking R Beijing in EG to ENAM at 12 on 11855. At least RCI is only M-F (gh)

C O S T A R I C A Radio For Peace International finally on the air, hrd on 7380.4, 18/9; presumably started at 0000 as sked, but wiped out by usual CW xmsn on 7379 for first quarter hour. Thereafter still weak and tough copy w/7380 het and hash on other side. Includes paeans to RFPI by people such as Barbara Marx Hubbard whose pgm is also carried. 0102 ID, and again at 0200 after brief IS, into SP "Radio Revista de las Naciones Unidas", off around 0300. Still waiting on xtal to arrive from Miami for 15405 opn at 20-23. Meanwhile, I've been enjoying Tirana's music around 21 in the 2030 xmsn on same (gh)

C U B A Televisión Cubana net reported 14/8: For first time in history, residents of Isle of Youth and the thousands of third world students who study here have a local TV signal. The new TV centre [video shows logo of antenna w/sat dish and the words "Isla Visión"], which can now be added to the six that are operating in the country, is realisation of an idea proposed by CinC. During first stage, Isla Visión'll bc one hour every week and carry info and cultural pgming. Will be daily by yearbegin. Centre has 41 workers, average age 22 (WBI 28/8)

D E N M A R K S87 R Denmark [52 min xmsns uos] 10 SEu/Waf 15165. 11-1130 Greenland/Pac 15165. 12 FE/Au 11845. 13 ENAM 15165. 14 FE/Jpn 6150. 15 ME/EAF 15165. 16 Au/India 11845. 1730-1830 GnlD/Pac 11845. 19 ME/EAF 15165. 20 Eu/Waf 15165. 21-2115 M-F GnlD/Pac & 2130-2145 Eu/Waf M-F 11845. 21 [must be Sat/Sun -gh] GnlD/Pac 11845. 22 SA/CA [presumably means SAM/CAM] 6150. 23 ENAM 9720. 00 SAM 6120 (via Bob Padula, Sept ADXN)

D O M I N I C A N R E P U B L I C 6025, R Amanecer, Santo Domingo, //1570-- rather 1565 in order to escape QRM from Atlantic Beacon on South Caicos; 1 kW on SW. Addr: Pastor Fidel Ferrer, dir, Calle Juan Sánchez Ramírez esq. Máximo Gómez. This is a relig stn. I talked to them about replying to correct reports (César Objío, Sto Domingo, 27/8) Hrd here at first try, 4/9 1330-1530+; last time I hrd the MW it was on 1575 (gh) HIAJ, R Amanecer, 6025, relig stn, first noted on SW 4/9 from 1100 hymns & SP rel pgms to 1150 f/out, also from 00 to apx 0300*; 5/9 from *1011 NA & hymns; G sig; IDs for 1570 MW (Ernie Behr, Manitoba) Hrd w/SP evang pgms on 6025; sked apparently same as MW 1570, 10-03. Audible all day in S Florida. Noted at both *1000 & 0300*. many IDs and TCs. Ancs SW fq only occasionally; power? (Paul Buer, Miami FL)

E C U A D O R Voz del Upano, Macas, 5999.3, hrd from 0230 w/SP pgm, ID & NA to 0313*, // 5040; both strong 2/9 (Ernie Behr, Manitoba)

E G Y P T MENA nx agcy reported 28/8: R Cairo plans to expand bcs w/beams to China, Japan, EEU in their langs. Currently has 31 langs. These targets are the only ones yet lacking. Also plans expand AR lang teaching, reproed in cassette and book form. Already prepared in EG, FR, TK. (WBI 11/9)

E T H I O P I A VORE Natl svc in Amharic, Oromo, Tigrigna on 7110 5990: 0330 (Sun 04)-06(Sun 08), 09-10 M-F, 10-12 Sat, 10-13 Sun; 15-20 daily (WBI 21/8)

G E R M A N Y W E S T DW HF Planning Office has installed a 24h telephone answering machine 0221 389 3201 (Don Rhodes, Vic, ADXN) So next time DW QRMs something phone 'em up... (gh) DW has sought clearance from PTT to use OOB and 13 MHz channels during S87 for GM pgms (Alok Das Gupta, India, Sept ADXN)

G U A M S87 KTWR sked as revised 13/9 for end of DST in China: Cantonese 1345-1430 9590, 2210-2240 9870. Mandarin 09-15 11665, 09-12 9585, 12-1330 9590, 12-15 9810, 1330-14 9870, 22-2330 11715, 23-2345 11850. Swatow 1330-1345 9590, 2240-2255 9870. To India: Assamese 1430-1445 9870; EG 1430-1550 M-Th & 1430-1605 Fri/Sat & 1430-1615 Sun all on 9790; Santali 1445-15 9870; Tamil 14-1430 9870.

To Japan: EG 0805-0930 11805; JP 11-12 9820; JP 12-1330 9780; JP 21-22 11840. to USSR RS 0830-09 11735. To Au EG 0930-11 on 11805 [hrd here OK -gh]. To Indonesia, IN 1030-12 15240, 22-23 11850, 23-2330 15420. Pacific DX Magazine Fri 0945 Sat 1445, Sun 0845. ARDXC DX Newline on first weekend of month. spl QSL for reports sent to KTWR directly; include 2 IRC (via Don Rhodes, ADXN)

G U A T E M A L A RTV Guat reported 20/8: A plan for TV relays approved by govt 19/8, ending an era of arbitrary and irr opns lasting 20+ yrs. Based on an agmt w/TV stn owners, secondary channels assigned to existing stns. This will effectively enable them to cover natl terr w/sigs. In past, restrixions and concessions were so arbitrary and absurd that they did not allow several TV ch to be rcvd clearly and other chs could not be rcvd at all in certain areas. Plan was promoted by Eduardo Goyzueta, MinComms, Transport, Public Works. TV stns'll have 6 mos to begin opn on new fqs (WBI 28/8)

I C E L A N D Certain Rikisutvarpid pgmmes are relayed on SW fqs for Icelandic fishermenne. No accurate details currently available; LW, MW & FM now 24h (WBI 21/8)

I N D O N E S I A RRI Yogyakarta [sic] *0000-0215+ on 7098 w/IN mx, anmts 25/8, runs to 03* and again from *06 on this channel. *03-06* hrd on 7190 opening w/ Nusantara Satu ID, nx (Craig Tyson, WA, Sept ADXN)

RRI Jakarta hrd both on 11770 and 11865 in //at +0630-0800* in late July; also obs on 11865 at *2158-2300+, but no sign arnd 1100. 11770 not hrd arnd 22 & 11 due to heavy QRMoscow (Masao Oikawa, Saitama, Japan, Indonesian DX Review, Aug) Actually 11770.4 and 11865.8 (Masao Oikawa, elsewhere in same bulletin)

I R A N Monitoring 17/8: At 1500 17/8 VIRI obs on 11940 in Pashto until 1345; Then EG 1345-1445, Bengali 1445-1545. Fq joined AR svc then to carry V of the Iraqi Islamic Revolution pgm 1545-1645. Then V of Palestine, V of the Pal Isl Rev to 1715. AR svc hrd on // 7190 7130 1566 1222 (WBI 21/8) Monitoring 14-18/8: VOP,VOPIR pgm daily 1645-1715 w/in VIRIES in AR; repeated at 04-0430 on 9600. Appears to be separate from VIRI AR svc but at 0430 17/8, 9600 joined other AR fqs from Tehran at end of VOP pgm (WBI 28/8)

I S R A E L VOI reported 16/8: Group of Palestinian moderates asking Isr authorities for permission to publish nxpaper and operate radio stn on West Bank, at the old Jordanian bc facility in Ramallah (WBI 28/8)

I T A L Y R International, Verona, now 1 kW on 1620.28v, often hrd 20-22, F-VG (Werner Rutsch, Switzerland, Play-DX 7/9) Notturmo Italiano pgm from RAI, Rome multilingual at 2231-0457 on 6060 900 846 & FM includes 3 minute EG nx at 0003, 0103, 0203, 0303, 0403; also at other times in FR, GM, IT. Radiouno pgm from RAI 05-2228 on 9515 6060 + MW & FM all in IT. Radiodue 05-2218 on 7175 + MW/FM. Radiote at 14-2258 on 3995 + MW/FM (WBI 4/9) I believe all these SW fqs are from Caltanissetta, Sicily, tho not so specified by WBI (gh)

K A M P U C H E A Got a nice reply via a tape registered report via Hanoi, from VOPK. Rory Hem, English Section, says they have problems with the mail. She wel comes reports to the stn addrd to: Radio The Voice of the People of Kampuchea, Phnom Penh, Overseas Service, People's Republic of Kampuchea. Also enclosed ES sked [same as in WRTH 87 p 217 except claims 11940 instead of 11938] (Edward Kusalik, Coaldale Alta, 7/9)

K E N Y A Monitoring in Sept shows VOK has slightly reorganised its MW nets: Natl Svc on 612 702 720 792 846 918 954 981 1017. Genl Svc on 540 747 1080 1206 1368. Central Svc 1269. Western svc, from Kisumu on 558. Eastern Service now bc from Nairobi studios, not Mombasa, on HF & VHF only (WBI 11/9)

L E B A N O N V of National Resistance (Arabic: Sawt al-Muqawamah al-Wataniyah) inaugurated 4/6/86 by Amal leader Nabih Birri, then Minister of State for the South and Reconstruction. Per 5/6/86 Al-Nahar nxpaper, stn is in Bi'r Hasan in West Beirut. Maybe connected w/V of the Arab Revolution, first hrd 5/79 and also

hrd describing self as V of Ntl Resistance; latter also tested on 1050 in 2/86. This one is on 1050 kHz at *0457-2150* daily, all in AR (WBI 28/8)

L I B Y A Monitoring 31/8 - 1/9: DS in AR hrd on several OOB ch in SSB, various times 0740/2300 on 16380, 13500, 7000 or 5550, either USB or LSB. // regular AM fqs from Tripoli. Similar SSB bcs obs Sept/Oct last year (WBI 4/9)

R Jamhiriya [sic] sked for July-Sept: EG 7245 2230-24 daily to NAM/WEU; on 15450 18-19 daily for Af/WEU (Kanwarjit Sandhu, Ludhiana, India, IDXCI ADXR)

N E T H E R L A N D S R Nederland effective 27/9/87 to 26/3/88: EG: 0230-0325 ENAm F9895 F 6020 B9590, CNAm B6165. 04-0425 ME/EAF F9895, ME F7210. 0530-0625 WNAm B9715, B6165. 0630-0655 WAF F11930 F9895. 0730-0825 NZ/Au B9715 B9630. 0830-0855 exc Sun As M21485, SAs M17575. 1030 Au B9650, Carib B6020. 1130-1225 SEAs M21480, EAs M17575, SEU/ME F17605, SAs F15560, Eu F9715, F9955. 1430-1525 SAs M17575, S&EAs M1725, SAs F15560 F 13770, Eu F 5955. 1630-1725 EAF M15570, SAF M6020. 1830-1925 EAF M9540, SAF M6020, Eu F6020, CAF B21685, WAF B17605. 2030-2125 WAF M9715 M9540 F11740 F9895.

Spanish: 0130-0225 NSAm F9895, Carib F6020, WSAm B15315, NWSAm B6165. 0330-0425 Mex B9590, Cam B6165. 06-0655 SWEU F6110 & F6110. 1230-1325 SWEU/NWaf F11930, SWEU F9610. 2030-2125 SWEU F6020 & F6020. 2230-2325 Carib F9895, SWEU 6020. 2330-2425 SSAm B15315, NSAm B11715 (via Richard Lemke, St Albert, Alta)

P A P U A N E W G U I N E A Radio Enga, 2410, sent direct vy nice full data v1 for f/up registered ltr in 2 months; w/sked, map of NBC stns; v/s Gabriel Paiao, Chief Stn Technician. Motto of stn is Karai Bilong Miok. List of mottos for NBC Radio 3: R West Sepik = Maus Bilong Sundaun. R East Sepik = Neck Bilong Sepik. R Enga = Karai Bilong Mick [sic]. R Southern Highlands = Krai [sic] Bilong Muruk. R Western Highlands = Maus Bilong Tarangau. R Eastern Highlands = Karai Bilong Kumul. R Chimbu = Maus Bilong Simbu. R Morobe = Maus Bilong Kundu. R Madang = Maus Bilong Garumat. R Northern = Voice of Otohuhu. R Milne Bay = V of the Kula. R Gulf = V of the Sea Gull. R Western = V of the Sunset. R Central = Kibi Gadona. R Manus = Krai Bilong Chauka. R New Ireland = Maus Bilong Solwara Antap. R East New Britain = Maus Bilong Tavurvur. R West New Britain = Maus Bilong Tavur. R North Solomon = Maus Bilong Sunkamap (Ed Kusalik, Coaldale Alta) Use the imagination, and/or say them out loud to glean meanings (gh)

P A R A G U A Y Ultima Hora, Asunción, reported 26/8: Judge César Garay Jr has granted R Nanduti's req for injunction against jamming of its pgmms. After failing to overcome jam problem, RN had to suspend daily pgmms sev'l months ago. Judge decided to forbid 'any attempt to jam or interfere w/stn's pgmms or w/activities related to bcng of its pgmms'. Certain sectors believe the decision indicates jam of this stn'll stop. In last few years, stn has played important role on nat'l scene, mostly as critic of govt actions. However, jammers have not been ided, and Antelco says it does not have necessary eqp to detect sources of jamming. El Diario reported 27/8: Humberto Rubín, dir of RN said court ruling is useless now, merely constituting admission that there was interference. And he added that Antelco has not renewed the stn's licence "as a punishment for closing down. Therefore, this injunction is tantamount to baptising a dead person since it came six months after we requested it" (WBI 4/9)

F E R U R Altura, Cerro de Pasco, 3339.5, from 0430 huaynos, ID & NA to 0636*, 1/9. R Andahuaylas, 4840.0, from 1030 SP & QC tlks to 1100 f/out 5/9. R Huancavelica, 4885.3, from 0400 huaynos, ID & NA to 0434* 1/9. R Onda Popular, Bambamarca, 5273.9, from 0330 Pv & Ec mx, ID & NA to 0458* 1/9. R Acarí, 6304.5, from 0230 LAm & Pv mx, ID to 0356* 1/9; what is location & depto? [Acarí, Caraveli, Arequipa, per Arrunátegui, DX LISTENING DIGEST]. R Satélite, 6726.5, from 0150 Ec & Pv mx, ID & NA to 0404* 1/9, not on 6670 as rptd on SWLD in Aug [SWB Sweden subsequently corrected this error & I mentd it too -gh]. R Sensación, 6791.9, from 0150 LAm songs, ID & NA to 0209* 1/9 (Ernie Behr, Manitoba)

AFP reported 7/9 from Lima: Four radio stns silenced 6/9 as result of explosions, presumably by Sendero Luminoso members, of a high-tension cable at xmsn plants in Cuzco. The four important stns silenced are R El Triunfo 1380, Cuzco 1470, Macchu Pichu 1400 and Continente 1270. Per police, alleged terrorist command[o?] today machinegunned a hi-tension cable feeding power to xmsn plants of the four stns, at Pajlachapata plaza in San Blas neighbourhood... (WBI 11/9)

PHILIPPINES Test xmsn of R Veritas is going on. Regular xmsn will start 14/8/87. Test sked: 0235-03 on 15325, 1535-16 on 9615 (Subroto Sengupta, July-Aug IDXC1 ADXR) ¿Testing, why? and in what langs? (gh)

POLAND PAP nx agcy reported 18/8 on a govt press spoxeman's conference: Re practical application of regs on reception of satl-xmtd TV pgmms in Poland, Urban informed participants that so far 1500 permits issued, incl 300 for ownership and use of satl ants, rest for their purchase. There were only three refusals among the 1500 permits, but these are being reviewed. Polish R reported 20/8: Majority of [above] cases concern private subscribers. Licences encompass eqp made exclusively by licenced electronix firms incl those selling their products, i.e. thru good offices of Pewex [state shops selling goods for hard currency] (WBI 28/8)

QATAR KUNA nx agcy reported 31/8 from Riyad: Radio of the Gulf Co-operation Council will bc its 2h pgmme from R Qatar 1/9 for next three months, per timetable. Pgmms prepared jointly by radios of Kuwait, Saudi Arabia, Qatar, UAE, Oman, Bahrain. This term, time will be 14-16 (WBI 11/9) No fq mentd

RWANDA DW Kigali relay S87: 7225 0330-0550, 10-1120, 15-22 ND to Af. 9565 0330-0550 ND Af. 9640 00-03 WAF/NA[whatever that means]. 9735 10-1120 NA. 11810 14-1450 CAF/Eaf. 11920 22-03 WAF/Am. 15270 22-24 WAF/Am. 15410 1130-1350 Waf/CAF/Eaf. 17780 09-0950 Au/SEAs. 17800 1130-1350 Waf. 17860 18-22 Waf/CAM. 21650 09-0950 Au/SEAs // Jülich 100 kW (Bob Padula, Sept ADXN)

R Rwanda, Kigali, on 6055 and 3330: 03-06, 09-21; Sunday also 06-09. Multilingual incl Kinyarwanda, FR, SH. Fr nx at 0430-0440, 1115-1130, 18-1815, 1930-1940 (WBI 11/9)

SINGAPORE SBC Radio 1, EG svc 22-1605 on 11940 5052 5010 630 90.5 includes nx of 5, 10 or 15 mins every hour on the hour except 06. SBC Radio 2 in Malay on 7250 6155 990 94.2 2045-1605. SBC Radio 3 in Chinese on 9635 6000 675 95.8 22-1605. SBC Radio 4, Tamil & Chinese dialects on 7170 1268 96.8: 22-13 Tamil, 13-1605 CH dialects (WBI 11/9)

SOUTH AFRICA R RSA reported 1/9: The SABC's newest stn R Metro is one year old today. Aimed at metropolitan black listeners, concentrating on mx, w/daily listenership of more than 700K. Uses four 250 kW and three 500 kW xmtrs and can be hrd on MW 576 (WBI 4/9) ¿¿ all those on 576? WRTH 87 has only one 100 kW there; nor would such powers apply to FM ?? (gh)

SPAIN [Cf Sept LN-29] The S87/1 sked from REE lacked an 05-06 bc in EG to NAM; unseemed mere omission, since separate list of DX pgm times also lacked 0530 Mon; nevertheless, I still hear the bc on 6125, and it's back in the S87/2 sked: NAM 00-02 9630, 05-06 6125. EU 1830-1930 7275 9765, 2030-2130 7275 9765. ME 1830-1930 15395, Af 1830-1930 15375 (gh)

SRI LANKA TWR via SLBC apparently now on 9590 1230-1330 EG, 1345-1455 Bengali, Urdu, EG (DX Grapevine via Weltweit Hören via Sept ADXN) This sked changes faster than anyone can keep up with (gh)

"SL will review its agmt w/orn being corps to ensure that the facilities are not used for mily and intelligence purposes." from The Statesman 30/7, while highlighting salient points from Rajiv-Jayewardene peace accord. "India and SL agreed to reach an understanding soon on the employment of forn mily and intelligence personnel, use of Trincommalee [sic] as a mily base and on forn being orgs which are acting as irritants in their relations." (via Supratik Sanatani, IDXC1 ADXR)

VOA Station Near Colombo On Anvil. The English weekly "Forum" says discussion are now on for providing protexion for the 1000-acre VOA stn near Cliwa, 80 km NW of Colombo, by the SL security agencies. The weekly, considered close to the main opposition, the SL Freedom Party, reports that preliminary work "has commenced on setting up this VOA stn, said to be the most powerful outside the US" "Apart from being able to jam any bc in the region, the installation, it is feared, could also interfere w/India's strategic naval communications". India had protested against establishment of the VOA stn in SL, but "SL has so far ignored India's protests in this regard" (Indian Express, 21/6/87 via B Padaki, IDXC1 ADXR) It looks like the VOA has its work cut out for it, if this is the attitude toward the world's oldest democracy in the world's largest democracy (gh)

SURINAM R Surinam Intl was inaugurated 2/9/84; changed from 3 days per week to five on 4/8/86. Xmt'd via Radiobrás, Brasília: M-F 17-1745 on 17758 to Eu in DT EG and Sranan Tongo; 1705-1715 DT nx, 1730-1740 EG nx (WBI 4/9) RSI reported 2/9: Today RSI celebrates its 3rd birthday. Director (¿Phillip Cohan) says the stn has steadily grown and that from the hundreds of reactions from listeners it shows [sic] that RSI is satisfying a need. He asked Surinamese abroad to react on the bc'ing. Re plans, he said production will not only be increased but we will also produce more pgms in EG. Finally, intend to produce pgms in SP and the number of bc'ing days expanded from 5 to 7 a week (WBI 11/9)

SWITZERLAND SRI reported 20/8: SRI needs new more powerful xmtrs but the search for a new home for the xmtrs and antennas appears to be getting nowhere. Comms authorities here think a good site is at (¿Witzwil) in Canton Bern but as with previous sites considered, there is rather a lot of public opposition for environmental and aesthetic reasons. Stefan, the head of R&TV Dept at PTT says: Cantonal parliament opposes it. All the opposition may mean [nothing accomplished] before the early 1990s. But already quick solution by using relay stns, and negotiating with other countries to rent or exch xmsn hours. This is more expensive because you have to pay for the communication line, but can be done quickly. (WBI 28/8)

TUNISIA RTT national Network in AR: 0430 on 15450 12005 11550. 08 on 17610 15450 11550. 13 on 15450 12005 11550. 16 on 11550. 18 on 12005 11550 and 7310. 19 on 12005 7310. 21 on 12005 7475 7310. 22-2330 12005 7475 7310. One hour earlier during summer time: 04-02 during Ramadan. Includes relay of Sfax or Monastir regional svc Mon-Sat 08-09. Tunisian news 17-1715 daily. Nx & commentary in colloquial AR at 19-1915 daily. Voice of Palestine Tue 2115-2145. The RTT ES in AR to ME: 16-18 12005 7310, 19-21 7475 (also an hour earlier summers) (WBI 21/8) There's your unID on 11550 at 16-18, Alex Vranes (gh)

USSR R Stn People [sic] & Progress again hrd in Chinese. Monitoring 6-8/9: During a survey of S-plan fqs used by Sov ES, two xmtns in Std Chinese for R Stn Peace & Progress were found, 13-1330 & 1330-14 on 12005, 11940, 9685. Opening anm'ts gave details of only these two xmtns and said they were beamed to As/Pac. In July 1987, R Moscow and RSP&P undertook a radical reorganisation of their svcs in Chinese langs resulting, it was thought, in a cessation of such bcs by RS P&P (WBI 11/9) Would you mind printing the skeds for Frunze & Dushanbe? (Kevin J Klein, WI) Not at all, but a casualty of my move; recent WBIs already shipped to OK while I'm doing this from FL; sorry (gh)

UKOGBANI RA Talkback reported 16/8: Christchurch-based gospel bcer R Rhema, w/1 from Ocle in collaboration w/United Christian BCers, initiate pgming over Manx R on Isle of Man, 1368 kHz MW, 89 MHz FM, from 10 pm nightly. Eventually will run all-night. Still negotiating in Tonga, and tested from Newcastle NSW on 106.9 (WBI 21/8)

VENEZUELA Monitoring 14-17 Aug: A relay of R Nacional de Venezuela's DS in SP now hrd on 11861 // 5019 much of the day 10-04. RNV's ES hrd on 11693 and 9540 w/one-hour bcs in SP for "LAM, Caribbean area and the world" at 11, 14, 18, 21, 00, 03, each starting w/10-min nx (WBI 21/8) The 11-12 pgm is rebc in all subsequent xmtns (WBI 28/8) Without embargo, not unusual for 11861 & 11693 & 9540 to be in parallel (gh)

VIETNAM VOV reported 7/9 on its 42nd anniversary; it was on the air 5 days after Pres Ho Chi Minh proclaimed independence; pgms from outset not only in VT, but also in FR, EG, CH, Esperanto. Letter count is rising, and stn wants more and more letters from listeners to: Radio the Voice of Vietnam, 58 Quan Su Street, Hanoi, Socialist Republic of Vietnam (WBI 11/9)

YEMEN SOUTH Aden noted 30/8 0300-0440 f/out on 7190 w/huge signal, best ever hrd from them; new 250 kW xmtr? Cf June LN-31. After s/on, NA, opening Koran, AR mx & talk 0308-0330 w/fqt IDs. 0330 main points, 0331½ world nx, w/fqt IDs thruout, 0344 back to AR mx & talk. 0430 short nx, possibly local nx w/many ments of "Yaman"; 0435-0440f back to AR mx. Moderate QRM Moscow 7185 & 7195 --great allies, eh, hi!, but still excellent reception (Alex Vranes, Silver Spring MD)

YUGOSLAVIA Since I first read in LN that RY'd be installing new 500 kW xmtrs, I've been looking forward to what I hope will be much improved reception from them. This is basically because 3 of my grandparents were born in Serbia and the fourth in Croatia--then part of the Austro-Hungarian Empire--and we still have a large number of relatives throughout the country, so I'm eager to keep up w/ current events there. Sept LN-32 reported Bijeljina in opn, so I have checked the various RY fqs. 10/9, 6100 w/much improved sigs 2030 GK, 2045 SP, 2115 EG, 2130 FR, 2145 IT til buried by DW arnd *2150. Certainly seemed higher power xmtr. But nothing hrd on 5980. 7240 also much improved sig; previously hardly ever hrd here; but hvy QRM from unID Arabic on 7235, which? 9620 usual F-P. Wonder if 7240 is also new xmtr ex-5980; certainly seems much more than 10 kW listed in WRTH 87. Incidentally, during my first visit to Yugo in Aug 1984, I drove right past Bijeljina, but didn't notice any large construction in the area. It may not have begun yet. But I did notice a vy large xmnsn centre while driving on the Autoput (Yugo's version of the Autobahn) btwn Beograd and Novi Sad on my way to visit relatives in Sombor, about 15 km from Hung border. I've not been able to find Stubline (RY's old xmnsn centre) on any map of Yugo, but GCS listed in WRTVH'd put it S of Beograd. Not quite sure then what I saw; maybe MW xmtr site or poss rcvg centre? My parents leave 23/9 for a 3-week visit to Yugo, their 4th trip over there, and I'm going to have them mail a letter to RY asking about these things, especially for info on new xmtrs (Alex Vranes, Silver Spring) Times one hour later now, e.g. EG 2215 (gh) R Yugoslavia excellent in EG 1430-15 on 15240; announce new high power xmtr, call for reception reports to P O Box 200, Belgrade (D Suresh Babu, Kolar Gold Fields, Karnataka, India, IDXCI ADXR Jul-Aug)

C L A N D E S T I N E C R A N N Y LV de Alpha 66 hrd on 6669v,
from 0100 SP talks to 0135a,

DSB, fair 1/9 (Ernie Behr, Manitoba) By all these "DSB"s I assume you mean two sidebands plus carrier (gh)

R Liberación 5889.1, from 0200 SP talks & mx to 0310*, DSB, F 29/8 (Behr, Man)
Previously IDed as La Voz de la UNO; first hrd at Caversham 3 Feb 87 but thought to have been in existence for some months; hostile to Nic govt, 0150-03 daily in SP on 5889.8 (WBI 4/9) So IDing since 20/8 (WBI 28/8)

R Venceremos, hrd 1/9 on 6616.2 from 0130; at 0135 on 6589.6; at 0145 to 6607.4, DSB, followed by mx jammer near same fqs (Ernie Behr, Manitoba)

Spy Stn on 6840 USB, hd often w/SP 4-digit numbers by woman *0230-0240* but 2/9 UTC had pgm of LAm songs from 0200, then numbers 0230-0240*, vy strong; perhaps same xmtras USB mx jammer which was on 6837 until 0015* 5/9, jamming RV on 6836.4 (Ernie Behr, Manitoba)

V of the Khmer Monitoring 24-28 Aug: Stn returned to air on regular fq6325 w/ Camb mx and songs at 0600 28/8, having been untraced for 4 days. Interrupting a song at 0952, stn ancr said "This the V of the Khmer, dear compatriots and listeners. We would like to apologise for suspension of our radio bcs since midday 24/8 due to damage incurred by our xmtr. We will resume normal xmsns per our regular sked when repair work is completed"(WBI 4/9)

V of Democratic Kampuchea (Cambodian: Samleng Kampuchea Pracheathipatei) bcs in support of Former Khme Rouge regime; first obs 16/1/79. xmtrs believed in PR China. 04-05 17680 15110. 09-10 17533 11870 11695. 13-14 15360 11675 6550 and 5250. 2330-2430 9440 8345 7350 (WBI 11/9)

V of Malayan Democracy, pro-Peking stn hostile to Mal govt and to Soviet/Viet influence in SEAS. (Malay: Suara Demokrasi Malaya; Std Chinese: Ma-lai-ya min-zhu zhi-sheng) inaugurated 1/7/81, replacing V of the Malayan Revolution which ceased bcng 30/6/81. 04-0445 ML, 0445-0515 Std CH; 1215-13 ML, 13-1330 Std CH, all on 8998 & 6700 (WBI 11/9)

V of Unity Stn hostile to Soviet presence on Afghan soil, in Pashto hrd on this sked: 0130-0225 15685 12230 11490, 12-1255 15685 12230, 1515-1610 17540 (ex-17490) 15685 12230. On 30/7 noted at 1515 on 17490 but back to 17540 from 31/7. All channels severely jammed sometimes even by two jammers. Since Soviets stopped jamming VOA surplus capacity perhaps against such stns. 31/7 1227 on 15685 //12230 noted jammer "BR" IDing simultaneously on both fqs. This means the morse ID of Sov jammers stands for the noise source not for the xmtrs (Supratik Sanatani, Calcutta, July-Aug IDXCI ADXR)

R Free Afghanistan RMWS reported 1/9: US has decided to doublebcng to Afgh from mouthpiece of terrorist bands. Per Wash Post this week, the subversive stn [V of Free Afgh], in addn to pgms in Dari, will start bcng in Pashto, the other widespread lang spoken in Afgh. Based in Munich, the stn was set up in 1985 on Am money. It broadly uses misinfo about the policy pursued by the Afgh govt and about comprehensive aid granted to the Afgh people by the Soviet Union.

Monitoring Sept: V of Free Afgh is bc frm RFE/RL xmtrs; per engineering sked for 6-26 Sept, Dari 03-0330 11725 9750 7145 (11815 9725 from 27/9) and 14-1430 on 15445 11875 11770 (17770, 15445, 15370 from 27/9) Sked lists Pashto lang but gives no details of times (WBI 4/9) Don't times also change one hour later from 27/9?? (gh) Above times are for S87B from 27/9, as are fqs: 03 also on 9625=Holzkirchen, 9725=Biblis, 11815=Biblis; 15270=Holz, 15445=Bibl, 17770=Lampertheim, all in W Germany (Leo Kennedy and Bob Padula, Sept ADXN)

V of the Iranian Revolution, hostile to govt of Iran, hrd 24/8 1400-1555 on 6476, 4525, 3864; in Kurdish 14-1515, then Persian to 1545 when closing anmt; but remained on air until 1555 w/what seemed to be coded msgs in Persian (WBI 4/9)

R Iran, anti-Khomeni stn in Farsi, hrd 1830-1930 on 7075 9400 s/on w/IS and an-them same as used by Iran's Flag of Freedom R. This is via Egypt, probably same xmtr carrying Flag/Freedom to 1825* on 7080; R Iran has another channel via Iraq (Supratik Sanatani, India, July-Aug IDXCI ADXR)

V of the Communist Party of Iran hrd 24/8 17-1910 on 4552 & 3859 in Persian; hostile to Iranian govt. Following closing anmt at 1901 remained onair until 1910 w/mx and msgs in Persian (WBI 4/9) Obs week of 1-7 Sept show morn xmsn in Persian 0315-1515 [sic] apx on or near 4530 & 3870; Fridays from 0430. Besides Persian, also uses Azeri, hrd Fri 4/9 1830-19, and maybe also other days (WBI 11/9)

V of Islamic Revolution in Iraq and V of Palestine, V of Pal Islamic Rev see IRAN

R Voice of Ethiopian Unity "spl anmt" 7/9 1900 in Amharic: From 9/9 will bc pgms in Oromo lang daily 1830 on regular fq. Stn hostile to govt in Addis Ababa, until now only in Amharic 19-20; since 9/8 on 11180 and 9430 (WBI 11/9)

- * R Halqan in Somali, opposing govt of Somalia, strong w/G mod on 9590 and feeble u/AR stn on 7265. S/on w/IS on Arabic harp, Koran recitals in 17-1755 xmsn. ID as "Halkan wa Radio Halgan". Pgming consists of nx (which on 19/7 mentd BBC a number of times). Pgming incl commentary, plenty folk mx (Supratik Sanatani IDXCI)

R SPLA Hostile to govt of Sudan, supporting rebel leader John Garrang; noted in EG 13-1330, G on 11710, feeble on 9550. IS of Afro-folk melody--military tune? Interest in monitoring 31/7: Opening "This is Radio SPLA, the voice of the Sudanese revolutionary army"; fq anmts ments 3lmb only. Begins w/appeal to those dismissed from Sud army to contact SPLA commanders for commission in SPLA and their same ranks will be maintained. Appeals to those in the army to join SPLA. "Friends, you must realise that the mily govt of Khartoum cannot work". Nx about an ambush, carried out by "SPLA volcano forces under the Southern Juba command"; "military numbers" of those captured or injured. Appeal to "soldiers hiding in the desert or jungles", says "no harm will come to you if you surrender". Gives full names and ranks of those SPLA soliders taking part in the ambush. 6/8 began w/nx of attack 28/7 on Morabo town. Less enthusiastic this time and does not give any "military numbers" of vanquished soldiers. Fake report? Rest of pgm: commentary on new peace initiative of Khartoum govt (of April). First the EG text is read out and then agenda is criticised clause by clause and ultimately concludes that it is a ploy to store up ration for the monsoon months (Supratik Sanatani, IDXCI ADXR)

P U B L I C A T I O N S DX LISTENING DIGEST Issue No. 16 was published in Sept., crammed with LN-like country-by-country DX news with little duplication of info here; very limited supply of extras for samples @ \$2 in North America, \$10 for 5 issues, \$20 for 10 [no ENJOYING RADIO in this issue, but more of it than usual coming up in No. 17]. Exactly same rates for REVIEW OF INTERNATIONAL BROADCASTING, latest issue also in Sept, No. 120; wide variety of articles, advance Oct pgm previews. Discounted to \$38 for subscription to both at same time; from Glenn Hauser, Box 1684, Enid OK 73702 (gh) I like the DXLD format very much; info and nothing but. Each entry receives exactly the space it requires, whether 1 line or half a page. Nearly every square inch of space is used efficiently; no unnecessary illustrations, blank areas, or needlessly-wide margins (Bill Peek, NC)

WORLD BROADCASTING INFORMATION, weekly w/pgm & fq skeds, tech developments, cland. 350 pounds a year + overseas postage. More info from Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading, RG4 8T2, Berkshire, England (BBCMS)

QSL REPORT

San Barto, 47 Prospect Place, Bristol, CT 06010 USA

ANGOLA: Radio Nacional 4952.7 f/d cd. in 3 mo. for a PT rpt. (Barto-CT).
ASIATIC RUSSIA: Radio Moscow 15425 via Petropavlovsk f/d cd. in 70 ds. (Renfrew-NY).
AUSTRIA: Radio Austria International 9550 f/d "Salzburg Traditional Costumes" cd. w/ sked and sticker in 30 ds. for 1 IRC. (Brouillette-IL).

BANGLADESH: Radio Bangladesh 15525 colorful "Bengali Tiger" cd. in 120 ds. w/ sked for 2 IRCs. (Van Horn-FL). cd. in 59 ds. after a f/up rpt. v/s Abdul Malek, Station Engineer. (Rigas-IL).

BOLIVIA: Radio El Mundo 6015 f/d cd. * w/ beautiful pennant and a personal ltr. in 6 wks. for a SP rpt. v/s Freddy Banegas Carrasco, Gerente Administrativo. (Field-MI). f/d cd. in 26 ds. for a SP rpt. and US \$1.00. Pennant and sticker rcvd. via registered mail. (Wilkins-CO).
 Radio Santa Cruz 6135 f/d cd w/ green frill pennant in 2 mo. for a SP rpt. v/s Jose Ros Izquierdo, Gerente. (Barto).

BRASIL: Radio Nacional/RadioBras 11745 f/d EG cd. in 2 mo. (Rugg-QUE). Radio Cultura 17815 p/d ltr. in 35 ds. for a PT rpt. and 1 IRC. Also rcvd. transmitter photo, sticker and 2 pages of technical data. v/s Olimpio Jose Franco, Coordenador de Engenharia. (Brouillette). Radio Clube do Para 4885 f/d ltr. in only 13 ds. for a PT rpt. and 2 IRCs. v/s Solange Souza, Secretario. (Van Horn).
 Radio Nacional Tabatinga 4815 f/d prepared cd. in 32 ds. for a PT rpt. and US \$1.00. QSL arrived via Radio Nacional Manaus. v/s Eudson Monteiro de Lima. (Wilkins-CO).





QSL

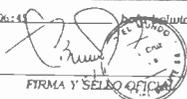
Certificado de Sintonia

Parque Industrial - P17 -
Casilla 1984 - Tel. 39775 -
Telex 4296
Santa Cruz Bolivia

RADIO "EL MUNDO" - Santa Cruz - Bolivia

A Sr. JOHN H. WILKINS

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emision en ONDA CORTA 6.015 KHz. 10 Kilociclos, banda de 49 metros y 1.050 KHz Onda Media, de fecha 27 DE JUNIO DE 1967 a las 06:44 horas boliviana



FIRMA Y SELLO OFICIAL

BURKINA FASO: Radio Burkina 4815 p/d ltr. w/ sked in 120 ds. for a FR rpt. and 2 IRCs. This after several f/up rpts. in FR. (Archer-NC).

BYELORUSSIAN SSR: Radio Moscow 15540 via Minsk f/d cd. in 35 ds. (Paszkwicz-WI). * f/d "Bolshoi Theatre" cd. via Minsk w/ ltr. stating they have no list of transmitter sites available, nor special rules or forms for reporting on a large number of transmissions. This arrived in 67 ds. v/s Olga Milyaeva. (Archer-NC).

CANADA: CHU 3330 n/d "Sir Sanford Fleming" cd. in 60 ds. (postal strike) for ms. (Wallace-MA). CHNX 6130 f/d cd. in 20 ds. for ms. (Renfrew).

CANARY ISLANDS: Radio Exterior de Espana - Tenerife Relay 15365 f/d cd. in 2 mo. (Renfrew). f/d "Saint John of God Church" and "The Alcazar" cds. in 10 wks. for a taped rpt. (Eckert-PA).

CELEBES: RRI Ujung Pandang 4719 cd. in 190 ds. (36 ds. after a f/up rpt.) in IN for a SASE and 1 IRC. v/s H.A. Nyongki BA., Kepala. (Darling-PAPUA). RRI Kendari 4000 cd. in 159 ds. after a f/up rpt. in IN for SASE and 1 IRC. (Darling).



LA VOZ DEL CID

Cuba Independiente y Democrática

CERTIFICADO DE SINTONIA

A SAMUEL L. BARTO

QUIEN NOS SINTONIZO EL DIA 26-2-67

DE LAS 11.41 GMT A LAS 12.00 EMISORA LA VOZ DEL CID

EN LA BANDA DE 25 MTS FRECUENCIA 11636.6

NOTES: John Fisher of Chelmsford, MA has been having quite a bit of trouble in verifying VOA transmitter sites. Six reports have been sent since May. No reply. He even enclosed ms! John believes that things have gotten very lax since the budget cuts were initiated...Possibly. Harold Cones is presently working on the Venezuelans. He has found them to be very bad QSLers. Harold also believes that Sierra Leone has been closed to outside mail for quite a while. Hi!...I don't remember seeing a QSL from Freetown in a long time. Sam. Rich D'Angelo informs us that he is receiving excellent service from Bill Plum and his mint stamp service. Kirk Allen says that it has been very "hot" out his way in the West. His 515 has been sent to Universal for repairs. By the time this Column airs, Kirk should be back in business. You're doing a great job with FT...Sam. Andy Wallace is back with us after being QSL-deficient for about 3 years. Very nice to see you again at Kaps...Sam.

Government of the
People's Republic of Bangladesh
External Services
POST BOX NO. 2204
RADIO BANGLADESH, DHAKA

No. DES (S)16/87- 662 Dated: 21/5/87

RICHARD A LANGELO
Dear Mr.

Thank you very much for your reports of our English
Programme broadcast on ¹¹ & 12th April 1987 at 1230-1300 hours
UTC ...15922...KHZ.

Radio Bangladesh is always grateful for reception and other reports, we hope you will continue to write to us. Your comments and suggestions, about our broadcasts in general or the content of individual programmes, will always be welcome. These provide useful information for further improvement.

CLANDESTINE: La Voz del CID 11634.6 f/d cd. in 3 mo. (Barto). A Voz da Resistencia do Galo
* Negro 4973 f/d prepared cd. in 20 ds. for US ms. Report and tape was sent to: Figueiredo Paulo, UNITA Representative to the US, Free Angola Information Service, 1850 K St., N.W. - Suite #370, Washington DC 20006-2202. (Gavaras-MN). p/d ltr. in 42 ds. for a rpt. to the above v/s and address. (D'Angelo-PA).

COSTA RICA: Radio Lira Internacional-AWR Radio 15460 f/d "Logo" cd. w/ ltr. in 19 ds. for a SP rpt. and 1 IRC. Also rcvd. station sked and technical information. v/s David Gregory, Chief Engineer. (Brouillette). same in 47 ds. w/ sked and personal ltr. (D'Angelo).

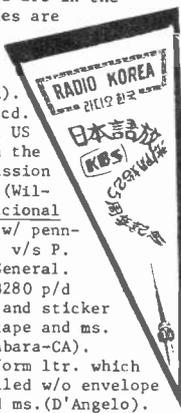
CUBA: Radio Moscow 9600 via Habana f/d cd. in 70 ds. (Renfrew)...I heard this same transmission earlier last winter on 6000 // to 1386 MW...Sam. Unusual.

DENMARK: Radio Denmark 11925 f/d (1/4) cd. in 15 ds. v/s Lulu Yittsup. (MacHarg-IN).

DODECANESE ISLANDS (Rhodes): VOA 11960 f/d "White House" cd. in 17 ds. (after 4 tries!!) for ms. (Wilkins)...Did you really expect better service? After all we are in the computer age. Maybe our taxes are too low!...Sam.

ECUADOR: HCJB 15115 f/d "Flo-tel in the Oriente" cd. in 1 mo. for US ms. (Wallace-MA). 11960 f/d "Atacames Beach" cd. in 40 ds. for a SP rpt. and US ms. Though not specified on the cd., this was for a transmission of Radio Nacional via HCJB. (Wilkins-CO). Radio Catolica Nacional 5055 n/d mimeographed ltr. w/ pennant in 23 ds. for a SP rpt. v/s P. Antonio Arregui, Director General. (MacHarg). La Voz de Napo 3280 p/d very plain cd. w/ postcard and sticker in 143 ds. for a SP rpt., tape and ms. v/s Ramiro Cabrera. (Kashwabara-CA). La Voz del Upano 5040 f/d form ltr. which was folded, stamped and mailed w/o envelope in 51 ds. for a SP rpt. and ms. (D'Angelo).
* Radio Centinela del Sur 4890 f/d form ltr. in 150 ds. after a f/up rpt. in SP w/ ms. v/s Marcos G. Coronel Velez. (Plum-NJ).

ENGLAND (Pirate): Atlanta Radio 6290 ltr. w/ info * sheet in 58 ds. for ms. Addr: Box 5, Huntstanton, Norfolk. (Rutsch-SWIT). Wonderful Free Radio London 6300 cd. w/ ltr. in 11 ds. for ms. v/s Andy Walker. Same address as above. (Rutsch).



R T G VERIFICATION
DIRECTION DE LA RADIO-DIFFUSION NATIONALE
BP 391 - CONAKRY
REPUBLIQUE DE GUINEE

DE RAPPORT D'ECOUTE
MR WERNER F.
RUTSCH HALDENAC
KERWEG 28 CH 3065
BOLUGEN SUISSE

Cher auditeur

C'est avec plaisir que nous avons reçu votre rapport d'écoute de nos émissions du 17 Mai 1987 entre 22.40 et 23.59 heures TU, sur la fréquence de 4900 KHz soit 60 m.

Notre programme confirme l'exactitude de votre rapport d'écoute. Soyez en remercié. Nous vous prions d'accepter toutes nos excuses pour le retard mis à vous répondre.

Nous vous donnons ci-dessous le programme actuel de nos émissions.

h-m	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1403 21+																									
1910 50																									
2125 41																									
19310 18																									
N° d'annonce																									

En espérant vous rendre sous peu, nous vous prions d'accepter nos meilleures salutations

Le Directeur Technique


OSL
 Verification Card
 Turkish Police Radio
 (Türkiye Polis Radyosu)
 via AJ Muck

Dear listener,
 Your report of reception of Turkish Police Radio (on 6316 kHz) on 11/11/82 from 04:15 to 05:20 GMT is correct
 Thank you very much for your interest

Sincerely,
 Station Director
 Yayın ve TV Şubesi Müdürü
 Emniyet Genel Müdürlüğü
 Ankara/TURKEY

EQUATORIAL GUINEA: Radio Nacional 5004 f/d ltr.
 * in SP in 82 ds. for 2 IRCs and a SP rpt.
 (Rugg-QUE).

ETHIOPIA: Voice of Namibia 9725 via Voice of Rev-
 * olutionary Ethiopia f/d ltr. on 2nd try in 9
 mo. Sked rcvd. Addr: P.O. Box 953, Luanda,
 Angola. (Field).

EUROPEAN RUSSIA: Radio Moscow 15220 via Moscow
 f/d cd. in 2 mo. (Allen-OK). 12070 f/d cd. in
 1 mo. (Plum). 11850 via Ryazan f/d cd. in 70
 ds. (Renfrew). same in 40 ds. (Rigas-IL).
 15230 via Kingisepp f/d "Railway" cd. in 1
 mo. (Plum). 11775 via Kursk f/d "Rowing Canal"
 cd. in 2 mo. w/ personal note. (Wallace). 5915
 via Armavir f/d cd. in 45 ds. (Renfrew).

FALKLANDS: FIBS 3958 n/d ltr. in 113 ds. after several f/up rpts. QSLed via the FBFS Off-
 * ice in London. v/s Mike Robertson. Also rcvd. cloth badge, stickers and station technical
 data. Tnx. to Jerry Berg for this tip. (Paszkiwicz-WI).

DX STAMP SERVICE: William Plum of 12 Glenn Road, Flemington, NJ 08822 runs a 24 hour DX
 stamp service. Stamps represent AIRMAIL rates to North America. This is a very fine
 and efficient service. For additional information and a comprehensive price list, please
 write to Bill at the above address...I did...Sam.

BILHETE POSTAL

R. S. TIAGO - Cabo Verde
 Rádio Nacional Cabo Verde
 Confirmação de sua recepção de
 Rádio Voz de S. Vicente em 13
 de Agosto 84.
 Desde Outubro 84 o emissor On
 das Curtas está fora de Serviço,
 actualmente a Rádio Nacional de
 Cabo Verde emite unicamente em
 FM.

Richard A. D'Ag
 gelo
 2216 BayKey Drive
 NYC missing PA 19610
 U.S.A.

Cabo Verde Comissão de Investigação e Documentação Cultural



GERMAN DEMOCRATIC REP: Radio Berlin
 International 9730 f/d "Church
 in Village" cd. in 32 ds. w/
 station info. (MacHarg).

GERMANY, FEDERAL REP. OF: Sudwest-
 funk 7265 very colorful cd. in
 15 ds. for 2 IRCs after many
 f/up rpts. v/s Dr. Krank, Techn-
 * nical Direktor. (Archer). AFN
 Europe 5377.2 p/d cd. w/ stick-
 ers in 121 ds. QSL rcvd. via
 Frankfurt address. (Rigas).
 Deutsche Welle 6145 n/d cd. w/
 * ltr. in 57 ds. (Archer). Pogo 104
 6206 cd. w/ info sheet in 144 ds.
 for ms. Addr: Box 220342, D-5600
 * Wuppertal. (Rutsch). Sudwestradio
 6232 cd. w/ ltr. in 8 ds. for ms.

Addr: Box 1471, D-6690 St. Wendel. (Rutsch-SWIT).

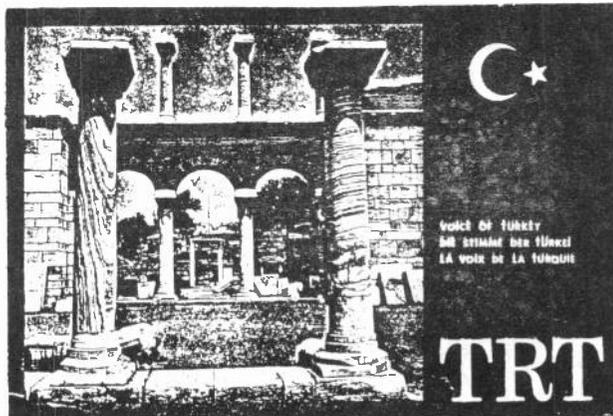
GREECE: Voice of Greece 9420 p/d cd. in 2 wks. (Renfrew). Radio Station Makedonias 11595
 via Thessaloniki f/d cd. in 4 mo. (Renfrew).

GRENADA: Radio Free Grenada 15045 f/d ltr. via registered mail in 25 ds. for 1 IRC. (Van
 * Horn). f/d prepared cd. in 12 ds. v/s George Grant, Station Manager. George says he
 hopes to have the station back on the air in two years. (D'Angelo). same in 2565 ds.

for 2 IRCs and US
 \$1.00. (Archer).

GUAM: KSDA 11980 cd.
 w/ pennant and stick-
 er in 19 ds. for ms.
 (Rigas). blue and white
 "Trumpets" cd. w/
 sticker and pennant
 in 39 ds. (Davis-NM).

HONDURAS: Sani Radio 4755
 f/d "Map" cd. in 21
 ds. v/s Jacinto Mol-
 ina Gonzalez, Director.
 (Van Horn). p/d cd. w/
 ltr. in 1 mo. for a SP
 rpt. and ms. (Plum).



4570 3102
OND. CORTA

EXCUDOR
Radio de las Américas
R. C. S. N. 1

BANDA EN METROS
6.000 VATIOS

"Proyecto Cadena de Radiodifusión en la América Iberoamericana"

ESTADOS: MEXICO; NICARAGUA; PANAMA; PARAGUAY; PERU; PUERTO RICO; VENEZUELA

Puyo, enero 22 de 1987.

Señor
JOSE L. SORUZZETTA
P. O. BOX 187
MACONIA, REC. TORA 10643
URUGUAY - STATES OF AMERICA

Estimado agente:

Con la presente acusamos recibo de su amable carta, y por medio de esta le confirmamos que usted escuchó la emisión de Radio Américas, el día 18 de diciembre de 1986 desde las 10:10 hasta las 11:30, hora del Ecuador.

De acuerdo con los detalles de la programación que usted incluye en su reporte de recepción, podemos afirmar que el programa fue la música de Radio Américas, lo que escuchó el día 18 a la hora señalada.

Sus amigos de Radio Américas de Managua, Maracaibo, Puyo y la Región Andina del Ecuador, le agradecerán su amabilidad, a la vez que deseamos mencionarle que en la programación regular en castellano, ahora y que viene esta nos entusiasma nuestro mensaje de paz y esperanza a los oyentes de Ecuador y al mundo.

Recibe un cordial y sincero saludo y le deseamos en el recuerdo del personal que integramos al equipo de trabajo de la Radiodifusora Radio Américas.

INDIA: All India Radio 11620 p/d cd. in 1 mo. (Renfrew). 9910 and 11620 f/d cd. in 26 ds. (D'Angelo). 3905 f/d "Shiva - Trimurti, Chittorgarh" cd. w/ sked. in 4 mo. (Barto).

INTERNATIONAL WATERS: Radio New York International 6240 and 1620 ltr. on RNYI stationary w/ f/d QSL on the reverse side of station's business card in 20 ds. for SASE and ms. v/s Andy Steele. Addr: RNI 496 LaGuardia Place, Suite 451, New York, NY 10012. (Gavaras-MN).

IRAN: IRIB 9022 f/d "War is Ugly" cd. in 151 ds. for 1 IRC. (Klein-WI).

JAPAN: Radio Japan 6120 via Sackville (this should be listed under Canada) f/d "Summer Festival in Fukagawa, Tokyo" cd. in * 18 ds. (MacHarg). NHK 6130 via Kumamoto p/d form ltr. in 2 wks. after a f/up rpt. for US \$1.00. Postcards rcvd. (Allen-OK).

JAVA: RKPJ Surabaya 4699 f/d prepared cd. w/ prepared ltr. in 23 ds. after a f/up rpt. in IN. v/s Ny Koentjarjadi, Kepala. (Kusalik-ALB).

KAMPUCHEA: Voice of the People of Kampuchea v/s Bory Hem, English Section. (Kusalik).
KAZAKH SSR: Radio Moscow 13795 via Alma Ata f/d cd. in 40 ds. (Rigas-IL).
KIRIBATI: Radio Kiribati 14802 f/d "Dancing" cd. in 36 ds. for a taped rpt., 2 IRCs and ms. (Kashiwabara), same f/d cd. in 34 ds. for 3 IRCs. v/s Mrs. T. Paenu, for Engineer in Charge. (Archer-NC).

YNN

RADIODIFUSORA NACIONAL DE NICARAGUA

620 KHZ. ONDA MEDIO
11875 KHZ. ONDA CORTA
5940 VHT

BANDAS 33.5 METROS

97 MHz
FRECUENCIA MODULADA

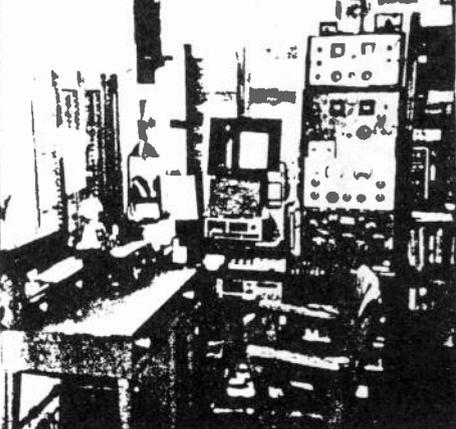
KIRGHIZ SSR: Radio Moscow 15140 via Frunze f/d cd. in 2 mo. (Renfrew-NY).

KUWAIT: Radio Kuwait 11675 f/d folder cd. w/ stickers in 1 mo. (Wallace-MA). illette-IL).

LIBERIA: VOA 3990 via Monrovia f/d cd. in 232 ds. (Brou-
MEXICO: Radio Huayacocotla - La Voz de los Campesinos 2390 f/d
* hand-designed cd. in 48 ds. after 3rd f/up rpt. in SP. for 2 IRCs and ms. 500 watts. v/s Elvira Sanchez Alvarez. Addr: Gutierrez Najera s/n, Huayacocotla, Veracruz, Mexico C.P. 92600. (Van Horn)...Very nice!

MONSERRAT: Deutsche Welle 11865 n/d cd. in 1 mo. w/ sticker, pennant and schedule. (Eckert).

Frank Orcutt's DX post: Top to bottom.....
HQ-140X, SP400X, SP-600JX16 and R-390A/URR
also Icom.



NEW IRELAND: Radio New Ireland 3905 p/d ltr. in 33 ds. for ms. and US \$1.00 v/s O. Malatana, Station Manager. (Kasiwabara-CA).

NORWAY: Radio Norway International 15300 via Kvitsøy f/d "Children's Choir in Voss" cd. w/ sked. in 6 wks. (Kusalik). 9590, 9655 and 11850 via Frederikstad f/d cd. in 1 mo. (Renfrew).

OMAN: Radio Oman 9735 f/d folder "Picking dates from Palm" cd. in 66 ds. for 2 IRCs. v/s Rashid Haroon, Head of Radio Maintenance. (Buer-FL). same cd. in 578 ds. w/ sked. for US \$1.00. (George-NC). same w/ sked in 68 ds. after a f/up rpt. for 1 IRC and ms. (Van Horn). in 8 mo. for a taped rpt. and 5 IRCs. (Matthews-OH). BBC 11955 n/d cd. in 44 ds. v/s D.J. Corbett, Chief Engineer, External Broadcasting. (Archer).

PAKISTAN: Radio Pakistan 9791 f/d cd. in 3 mo. (Barto-CT).

PAPUA NEW GUINEA: Radio Gulf 3245 f/d ltr. in 188 ds. for ms. v/s Daniel Mailau, Acting Manager. (Cones-VA).

PERU: Radio Difusora Radio Huanta 4891.7 f/d prepared cd. w/ friendly personal ltr. in 77 ds. for a SP rpt. and ms. 1000 watts. v/s Clemente Ramos Quispe, Director Gerente. He stated that my report was the first rcvd. from the US! (Allen-OK)...Great!

PHILIPPINES: VOA Poro 17820 f/d cd. in 2½ wks. v/s Bill Whitacre. (Kusalik). 15290 and 17740 via Tinang f/d cd. in 2 wks. (Kusalik)... I wondered were Bill went...Sam.

POLAND: Radio Polonia 7270 and 9540 f/d cd. in 4 mo. (Renfrew).

ROMANIA: Radio Bucharest 11940 f/d "Youth Park" cd. in 83 ds. w/ sticker and schedule. (Karlsson-CA).

SABAH: Radio Television Malaysia 4970 via Kota Kinabalu colorful "Map" cd. in 19 ds. for 2 IRCs. (Archer).

SAUDI ARABIA: Broadcasting Service of the Kingdom of Saudi Arabia 15060 f/d cd. w/ sked. and postcards in 26 ds. on my 3rd try for US \$1.00 (they really don't need the money) v/s Sulaiman Al-Samman, Director of Frequency Management who returned the \$\$\$ (Wilkins).

SINGAPORE: BBC 11750 f/d cd. in 3 wks. for ms. Rcvd. QSL direct from site (Wallace-MA).

SRI LANKA: Sri Lanka Broadcasting Co. 11835 f/d cd. in 1920 ds. (!!!) for 1 IRC. (Cones).

KIRIBATI QSL CARD

Voltage scale from a distance - these scales are being replaced by your mailing and returned material. Please fit. Renfrew

Dear

This is to verify your reception report of Radio Kiribati (Station 7381) from 18.15 until 19.23 on 30.5.87 on our regular frequency 14400 KHz

Date: 14/5/87

T. Ponder (MRS)
Postmaster-in-Charge
Radio Kiribati

INTERNATIONAL COMMUNICATIONS AND PUBLICATIONS AUTHORITY.

JOHN SCRULLETTA
RR #1 Box 128
VAHOPAC NEW YORK
10561
UNITED STATES OF AMERICA

15 APR 87
KIRIBATI

Published by the Broadcasting and Publications Authority P.O. Box 18
Suva, Vanua Levu
Made in the Kingdom of Tonga from the 1st Edition

LAO NATIONAL RADIO
P.O. Box 310
VIENTIANE, LAO PDR

QSL - VERIFICATION

Thank you for your report on the reception of our transmission

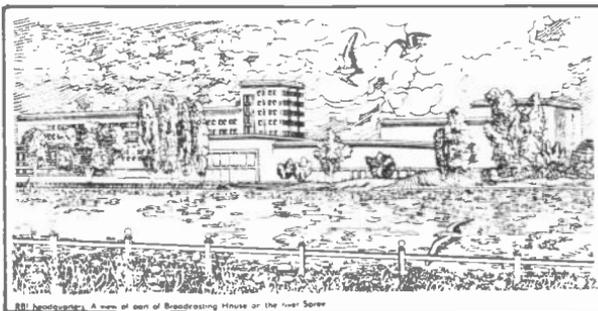
MR. RICHARD E. DAVIS

Date : 15.04.87
Time : 1215 UTC
Frequency : 7381 KHz
Station : SAVANNAH

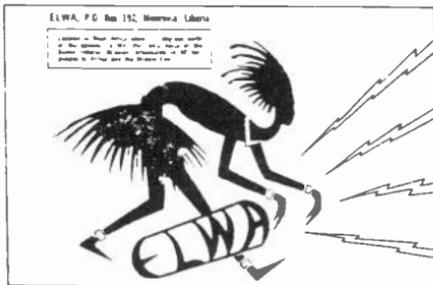


via Lvov f/d cd. in 40 ds. (Rigas-IL). 9765 f/d cd. in 1 mo. (Renfrew). 15375 via Vinnitsa f/d "Poster" cd. in 71 ds. (Archer). 5905 via Starobelsk f/d "Rowing Canal" cd. in 2 mo. (Wallace). Radio Kiev 7260 f/d "Wine Set" cd. in 6 wks. w/ no site on cd. (Wallace) 9640 and 7260 f/d cd. w/ stamps and sked. in 45 ds. (Weiss-OH).

USA: WMLK 9455 f/d form ltr. in 3 mo. for ms. (Wallace). WHRI 5995 two f/d purple cds. in 12 and 15 wks. respectively for SASE (not used) and US \$1.00. (Wallace). BBC 9590 via Bethany n/d "Bush House/Satellite Dish Photo" cd. in 28 ds. for 1 IRC. v/s D.J. Corbett, Chief Engineer. (Buer-FL). Voice of Free China 5985 via WYFR p/d "Sunset" cd. in 29 ds. (Macharg). VOA 5995 via Greenville f/d cd. in 1 mo. (Ponder). WCSN 9465 n/d cd. in 3 mo. for ms. (Renfrew). 6160 cd. in 120 ds. for ms. (Rigas). 15270 t/d prepared cd. in 35 ds. for ms. v/s William Grant. (Davis-NM). La Voz de la OEA 11830 and 15160 via Bethany f/d cd. in 25 ds. for ms. (Renfrew). KVOH 17775 f/d cd. in 40 ds. for ms. (Renfrew). Radio Earth 7400 f/d cd. in 9 mo. for ms. (Renfrew). n/d "World/Logo" cd. w/ sked in 253 ds. v/s A. Bautisto (Ponder-LA).



BBJ Headquarters. A view of some of Broadcasting House or the "New" Space



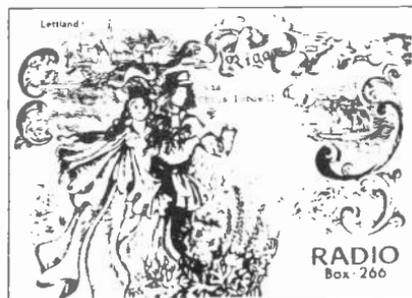
UZBEK SSR: Radio Moscow 15490 via Tashkent f/d "Railway Terminus" cd. in 2 mo. (Wallace). f/d cd. in 2 mo. (Renfrew). Radio Tashkent 7275 and 9600 f/d cd. in 35 ds. (Renfrew).
VATICAN: Radio Vatican 6030 f/d "Paul VI Audience Hall" cd. in 135 ds. (Weiss-OH).
VENEZUELA: Radio Valera 4840 f/d giant cd. w/ sticker in 171 ds. for a SP rpt. and ms. v/s Carlos Julio Balza, Director. (Cones-VA). f/d cd. w/ decal in 79 ds. after 4 f/up rpts for 1 IRC and ms. (Van Horn). La Voz de Carabobo 4780 f/d paper cd. in 15 ds. for an EC/SP rpt. v/s Tamara Moratinos. My f/up rpt. was directed to Jairo Salazar. (Weber-OH). f/d cd. w/ prepared cd. in 31 ds. for US \$1.00. (D'Angelo). Radio Capital 4850 f/d "Logo" cd. in 155 ds. for a SP rpt. and ms. Sticker rcvd. v/s Manuel Correa, Gerente de Produccion. (Cones-VA).
VIETNAM: Voice of Vietnam 15010 f/d "Pagoda" cd. in 139 ds. (Washburn-ME).
WEST BERLIN: RIAS 6005 p/d "Building" cd. in 13 ds. for US \$1.00. (Wilkins). same in 2 wks. for US \$1.00. (Wallace-MA).
ZAIRE:..... not SWBC but I've got to tell you this one!
Kinshasa Aeradio 5493 and 8903 f/d ltr. in 2 wks.



The QSL arrived via a special courier carrying a "Worldwide Express" package from Bradley Airport in CT. Package was hand-stamped several times with "extremely urgent express flyer via DHL". (Barto-CT).

THE COMMITTEE TO PRESERVE RADIO VERIFICATIONS (CPRV)

This organizations goal is to preserve verifications belonging to hobbyists who are no longer active in the hobby. QSL collections have often been lost when persons pass away or left the hobby and their collections were misplaced or discarded. These QSLs are a very important part of the history of radio, and of great interest to radio enthusiasts. It is hoped that in the future through the efforts of the CPRV, more QSLs will be saved from loss or destruction. The CPRV encourages QSL collectors to make arrangements with us for the future preservation of their collections, and not leave the fate of their QSLs to chance. The Chairperson of this fine organization is Jerry Berg. If you desire more information Jerry can be reached at 38 Eastern Ave, Lexington, MA 02173 or (617) 861-8481.



USA: Radio Earth 7400 via WHRI f/d "Logo" cd. in 257 ds. for ms. (Dillon-MD).
USA (Pirate): WKUE 7437 n/d form ltr. in 2 yrs. for ms. (Plum-NJ). Radio North Coast International 14850 f/d cd. via Hilo address in 175 ds. for ms. (Wilkins-CO).
USA (International Waters?): Radio New York International 1620 and 6240 p/d business cd. w/ personal ltr. in 1 mo. for SASE. (Wallace).
USSR: Radio Station Peace and Progress 12020 p/d cd. in 45 ds. (Renfrew). Radio Moscow 12020 f/d "Olympic Fireworks" cd. in 2 mo. (Wallace-MA).

RADIO HABANA CUBA

Estimado radioescucha:

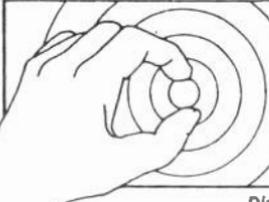
Gracias por su reporte de recepción de nuestras transmisiones en la frecuencia de 9525 KHZ banda de

31 Ms. el 23-10-81

a las 06:37 GMT

Thats about it for this time. A rather short column this month but many of you are going back to school or getting things in order for the fall and winter seasons. Best of QSLing till next time....Sam.

Sam



FRENCH LOG REPORTERS

Distributing Editor: John F. Henault, 55 Lincoln St., Abington, MA 02351

FRENCH CONTRIBUTORS LIST **** OCTOBER 1987 ISSUE **** DEADLINE = 12th of MONTH

Brian ALEXANDER, Mechanicsburg, PA. (??); Norman BOBB, Minneapolis, MN. (R1000/R600/XCR30); Dustin BRANN, San Leandro, CA. (ICF2010); Paul BUER, Miami, FL. (SPR-4); George COBB, Yucatan, Mex. (ICF2010/DX302/ICF2002/Philco All Band); Richard D'ANGELO, Wyomissing, PA. (R70); Peter DILLON, GREECE, (DX400); John FISHER, Chelmsford, MA. (R2000); Ulises FLEMING, Odenton, MD. (TS4405); Art HARRIS, Kin-sPark, NY. (SX117/HE80); GERALYN HOLLERMAN, Huntsville, AL. (DX302/DX65); Gregory A. JORDAN, Gastonia, NC. (R2000/ICF2002); Rufus JORDAN, Pittsburg, PA. (DX302/Zenith Transoceanic); Ronald KARLSSON, Temple City, CA. (R2000); Ken KASHIWABARA, Panorama City, CA. (ICF2010/RF2800); Kevin KLEIN, Appleton, WI. (R71A/ICF2002); Tom LASKOWSKI, So. Bend, IN. (ICF2001); David MORBY, Clifton Park, NY. (R71A); David ONLEY, Thornbury, Victoria, Australia, (National DR49/Trio TR590S); Dale PARK, Honolulu, HI. (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc, WI. (NRD515); Gene PEARSON, Perrysburg, OH. (NRD525); Steve PONDER, Bossier City, LA. (DX300); Wally RHYNE, Gastonia, NC. (R71A/R1000); Chuch RIPPEL, Virginia Beach, VA. (NRD525/IC751); Daniel SAMPSON, Black River Falls, WI. (R1000/DX400); Roland SCHULZE, Stuttgart, W. Germanv. (R5000/R4C/SPR4/R70); David SNYDER, Staten Island NY. (RF2800); James STREITMATTER, So. Bend, IN. (RF-B300); Bob THUNBERG, DuBois, PA. (R1000/CR2021/S40B/SPR-4); John TUCHSCHERER, Neenah, WI. (R70/FRG7700/R1000); Philip WORDB, Austin, TX. (R5000); Robert ZILMER, RioRancho, NM. (R1000)...

There we have it for this months Loggings my friends, our THANKS to all who took the time and trouble to submit their loggings and especially those who took the extra time and effort to bundle the loggings into packages to each Log Column Section.

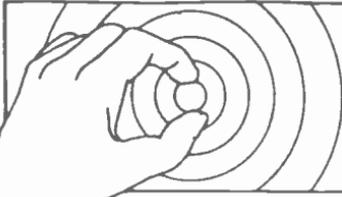
You will find a new Editor for LOG-C this month, we welcome Gerry Ervine as the new editor for LOG-C and wish him a long and fruitful editorship. Joe Freeborn, who has done such a wonderful job on LOG-C for so long had to give up his Column due to heavy time requirements brought on by his job with the US COAST GUARD. Joe is going through a lot of new training in addition to his regular duties with AMVER and with an upcoming promotion in rank, he is just unable to give the time needed to do the job he felt he must do to keep up the high standards of his column. We wish Joe and his family all the very best and Thanks again Joe for the good job you have done for us in the past.

This is the time of year that we find some of our Contributors moving on to College from High School and some who are returning to College after the summer break. To all the students we wish you the very best in your endeavors and remind you all that your grades come before the SW Radio hihi.

A letter received by this editor concerning mistaken loggings in some of the past issues has been sent to Bill Oliver, that is where it should have been sent in the first place. The writer was reasonable and pointed out some very correct incidents. As a result, I'd like to ask all Contributors to be careful of what stations they are logging on specific frequencies. A newcomer, as the writer pointed out, would become very confused if he/she sat monitoring some of these loggings reported. Not all are experienced in the Who's-Who on the SW Bands, so lets take them into consideration folks.

Contributor Ray-ond Slagt, has visted here during August and was very happy when he received stations that he could not have heard down there in ARUBA. He also enjoyed the USAF Thunderbirds Show that ye editor took him to in RI. Raymond was a wonderful guest and he may be writing to other Contributors as well. Good Luck Raymond.

See you in 30.. *John*



LOG REPORT

section A

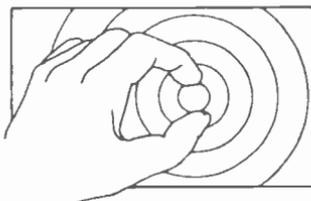
2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 264, Grove City, OH 43123

- 2310 AUSTRALIA. VLBA. 1051-1115. EE. Pop music with ID and Nat'l NX. (30/8 Paszkiewicz-WI)
- 3250 HONDURAS. R. Luz y Vida. 1132-1200. SS. ID with long lists of names and sked for 9/1. (31/8 Kashiwabara-CA)(18/8 Rhyne)
- 3326 NIGERIA. FRON Lagos. 2051. EE. "C Africa", folk and pop music, TC, ID, and news following. (1/8 Schulze-FRG)
- 3330 CANADA. CHU. 0725. EL/FF. Time pips with amnt. (9/8 Dillon-MD)
- 3330 COMOROS. R. Comoro. 0255. FF. S/on with slow music, ID in FF. (9/8 Schulze-FRG)
- 3330 RWANDA. R. Rwandaise. 1812-1825. FF. Political reports, mx. (18/8 Schulze-FRG)
- 3335 PAPUA NEW GUINEA. R. East Sepik. 0900. PD. Music and drums. (10/8 Brann-CA); @ 1130-1200 with pgm of island music. R.E.S. is usually the strongest 90MB frequency and it serves as a good Papua "beacon". (31/8 Rippel-VA)
- 3338 MOZAMBIQUE. RM. 1858. PT. African folk music, reports. (25/7 Schulze-FRG)
- 3354 ANGOLA. R. Nacional. 0141-0202. PT. EZL music, OM/YL talk at 0200. (29/8 Tuchscherer-WI)
- 3375 ANGOLA. R. Nacional. 0515-0535. Talk by YL and local mx. // 3354, 4952, 7245, with 4952 breaking away into seperate programme at 0540. (29/8 Alexander-PA)
- 3375 BRASIL. R. Sao Gabriel de Cachoeira. 0005-0030. PT. Talk, jazz, RN ID, and "Mack the Knife". (24/8 Paszkiewicz-WI)
- 3945 VANUATU. RV. 0850-0905. Local island music //7260. (5/9 Alexander-PA)
- 3958 FALELAND ISLANDS. FIBS. 0645-0715. EE. Classical piano music, brief amnts and into more classical music. (2/9 Rippel-VA)—good to see reports from you again Chuck, keep in touch!!!!-ed..
- 4765 CUBA. RM Relay. 0035-0100. SS. Noted spurs on 4712, 4730; @ 4748. Talks by man, flute music. Bad squeals and constant hum indicate transmitter problem. (12/8 Jordan-PA)
- 4777 GABON. RTV Gabonaise-Libreville. 2232-2302. FF. Mix of hi-life music and pop vocals, many ID's, S/off with NA @ 2259. (18/8 D'Angelo-PA)—good to see you again last month!!!!
- 4780T DJIBOUTI. RD. 0300-0330. AR. Amnts, Koran. (19/8 Paszkiewicz-WI)
- 4780 VENEZUELA. LV de Carabobo. 1020-1026. SS. Full ID and music. (26/8 Pearson-OH); @ 0941 with ad's and music. (28/8 Brann-CA); @ 1005 with ID and music. (26/8 Bobb-VA)
- 4790 PERU. R. At&ant&da. 0902-0918. SS. Peruvian music, many ID's. (31/8 Bobb-VA)
- 4795 BOLIVIA. R. Nueva America. 0359. SS. SS/EE closing amnts. (26/8 Klein-NJ)
- 4800 ECUADOR. R. Popular Independente. 0830-0857. SS. Andean music. (31/8 Bobb-VA)
- 4801 PERU. R. Onda Azul, Puno. 0100-0148. SS. Fast talk with sports, musica del Peru, weak signal. (15/8 Schulze-FRG)
- 4805 BRASIL. RD do Amazonas. 0155-0201. PT. Tunes and amnts, ID. (23/8 Alexander-FA)
- 4810 PERU. R. San Martin. 1004. SS. News programme, many ID's. (28/8 Brann-CA)
- 4815 BURGUNDIA FASO. RTVB. 0615-0620. FF. Echo ID's, ad's?? (19/8 Kashiwabara-CA); @ 0600 with news and music. (12/8 Snyder-NY)
- 4820 ECUADOR. R. Paz y Bien. 0910-1004. SS. Music and ID's. (2/9 Bobb-MN)
- 4823 PERU. LV de la Selva. 1003-1015. SS. ID and non stop music. (26/8 Pearson-OH); @ 1024 with ID's, freq's, very wild and rural music. (9/8 Jones-MS)—welcome back Jack, thanks for the log. I havent opened the Inca Kola yet!!!!
- 4835 MALI. RTV. 2350-0000. FF. Hilife mx, amnts, NA //4783 but poor. (18/8 D'Angelo-FA)
- 4840 ECUADOR. R. Interoceania. 0254-0259. SS. LA vocals w/amnts, NA. (31/8 D'Angelo-PA)
- 4840 VENEZUELA. R. Valera. 0044-0103. SS. ID's and TC's, commercials. (4/9 Ponder); @ 0207 with LA music. (11/8 Worob-TX)
- 4845 BOLIVIA. R. Fides. 0915. SS. Heard here with open carrier at 0915, at 0918 came on air with music with full ID at 0920. (18/8 Onley-AUSTRALIA)
- 4850 VENEZUELA. R. Capital. 0200. SS. Pop music, ID's, TC's. (7/9 Fisher-MA)
- 4870 BENTON. ORTB. 2023. EE(111). News and ID by OK and YL in EE. (7/8 Schulze-FRG)
- 4885 BRASIL. R. Clube do Para. 0815-0830. PT. Station promo, pop mx. (9/8 Dillon-MD); @ 0920 with lo-n-g talk and ID's. (10/9 Brann-EA)
- 4885 PERU. R. Huancavelica. 0123-0140. SS. Male chorus, local mx, ID's. (22/8 Jordan-PA)
- 4890 PAPUA NEW GUINEA. NBC Port Moresby. 1200-1230. Very well heard with news on hour until 1211 and then into commentary, best reception all summer. (31/8 Rippel-VA); @ 0824 w/ public amnts. (10/8 Brann-CA)

Slow start this month so Ive got to get this posted right away. 73 until next month!! CHEERS!!!!!!

mlb



LOG REPORT

section B

4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

- 4900 GUINEA Conakry, in FR 2347 8-27, poorly modul.talk, Afr vocals, brief nx 2355, mx to s/off anmts, orchestral NA, 0000*, poor sig overall (D'Angelo-PA).
- 4904.5 CHAD Nd'jamena, *0454 8-29 with balafo IS, NA kids chorus, ID 0501, FR pops, jamming from 0457 but still quite readable (Alexander-PA); tune-in 0500 8-29, ID per WRTH, maybe nx briefs, into lively local mx, fair-poor (Jordan); Afr vocals with FR anmts at 2240 8-29, s/off ID, anmts, choral anthem to 2301*, fair sig (D'Angelo-PA).
- 4910 HONDURAS LV de la Mosquitia, 0114 9-4, SP relig.prgms, gospel mx, Billy Graham's "Hour of Decision" at 0130, low modul. (Ponder); choir vocals 0221 8-21, then LA vocals, jingle ID 0253, s/off ID and anmts, seeming NA, to 0301*; poor (D'Angelo-PA).
- 4910 PERU R. Tawantinsuyo, 0208 8-9, fine OA mx, ID, prgm of "Mx Tropical" (Schulze).
- 4911 ECUADOR R. Tarqui, 0340 on 8-2, intl mx, "R. Tarqui informativa el Ecuador" (Schulze).
- 4915 COLOMBIA Armonias del Caqueta, first time hrd this yr, fair level at 1140 8-21, with some splash from Brisbane. TC and ID at 1144, mentions of Florencia throughout (Onley).
- 4915 GHANA Accra, GBC-1, religious choir songs at 2256 on 8-10, man with prayers until s/off anmts and ID, 2306*, fair sig, no JRM (D'Angelo-PA).
- 4920 AUSTRALIA ABC-Brisbane, 1958 with mx, pips, ID, nx (Schulze).
- 4920 ECUADOR R. Quito, 0315 9-1, SP-talking man with ID, EZ listening instr.mx, fair sig (Bobb-MN).
- 4922 PERU R. Ondas del Titicaca, 0130 8-16, tentative, weak sig with strong splatter, man talking with mentions of Peru but no discernible ID (Schulze).
- 4930 HAITI 4VEH, 1033 8-24, man with long talk in FR, trumpet fanfare on the hour similar to hrd on 4VEH in past during better condx (Bobb-MN); continuous EZ listening instr. mx to ID by man at 1100 on 8-10, more of the same to 1104, then nx by man, all FR; good signal, no JRM (D'Angelo-PA).
- 4936 PERU R. Tropical at *0926 9-8, NA, chimes, ID, fqys, into OA mx prgm, "Amancer del Llano" (not sure of last word); poor overall (Jones-YS).
- 4940 IV'RY COAST Abidjan, radio drama to 2245 8-19, continuous hi-life mx to 2300 ID, then FR ballads and soft instrumentals (D'Angelo-PA); 2345 9-4, very good with jazz mx, DJ chatter, NA 0000, 0002*; //11920 had DW JRM on channel (Alexander-PA).
- 4945 BOLIVIA R. Illimani, 0436 8-23 with segued EZ lstng mx to 0457 ID, VG (Tuchscherer-WI).
- 4945 BRAZIL R.Nacl.Porto Velho, 0316 8-7, EZ lstng mx, nx, ID, TC (Paszkiwicz).
- 4945 COLOMBIA Caracol Neiva, 0822 8-30, SP mx, man talking, time tones on half-hr, more nx, singing ad, much JRM (Bobb-MN).
- 4952 ANGOLA R. Nacl, 2221 8-25, PT talks, many mentions of Angola, ID as R. Lubango (Leite-MA); same date, instr.mx 2257, gal talking, maybe nx, ID 2303 (Thunberg-PA).
- 4955 BRAZIL R. Cultura do Campos, mx amidst JRM, man, echo IDs, difficult copy (Jordan).C221.
- 4960 ECUADOR R. Federacion, 0255 on 8-23, LA mx, ID, fqys, closed anmts, 0303* with hymn and singers (Schulze).
- 4975 COLOMBIA Ondas del Orteguaaza, tentative, 1010-1100 8-25, SP man talking, TCs, greetings, HJ-style mx, fair sig (Bobb-MN); strong with ballads 1037 8-16, ID, no ute! (Onley).
- 4980 VENEZUELA Ecos del Torbes, 0915 with LA mx, man talking, IDs, TCs, fair 9-1 (Bobb-MN).
- 4990 UNID. 0547-0600 8-12 in EG, fair, rock mx, "R. 1" mentioned, gone 0610 check (Snyder-NY).
- 4991 PERU R. Ancash, 0337-0422 tune-out, US pops and LA mx, ID 0403, RSA splash 0420, 8-25 (Tuchscherer-WI); OA brassy ix 0355 8-22, ID as LV de los Andes, to 0430 (Ponder); 0356 on 8-22, CA mx, LV de los Andes ID (Schulze); 0410-0500* 8-27, Indian vocals, anmts, ID, poor sig (Jordan); 0940 8-26, talk, Andean mx, ID, noisy rcpn (Bobb-MN).
- 4996 PERU R. Andina, marginally fair 0412 8-27, mx, talks, ID, open carrier after s/off sequence (Jordan, 0500*); tent. them 0630 8-11, later than usual, festive prgmg, euphoric talk (Klein); 0925 with excitable DJ, Andina mentions, horrible trumpet fanfares (Bobb-MN).
- 5010 CAMEROON Garoua, in FR 0452 8-29, lively singing, talk, ID 0459, nx, poor (Jordan).
- 5015 CLANDESTINE R. Truth, 0430 9-7 with EG ID, "You are lstng to R.Truth--democracy, freedom, justice for Zimbabwe," anti-govt prgmg (Fisher-MA); nx in progress 0432 8-29, mx bridge to talk segment, poor sig, usual anti-Zimbabwe rhetoric (D'Angelo-PA).
- 5019 VENEZUELA R. Nacl, 0408, ID, mostly rock mx, poor signal 8-14 (Kashiwabara-CA).
- 5020 NIGER Niamey, 2136 8-26, FR, nice mx, ID as LV du Sahel 2149, good sig (Leite-MA); recitations to 2158, ID, fqy and s/off anmts, then choral NA to 2203* 8-27 (D'Angelo-PA).
- 5020 SOLCOMN IS. Honiara, tent. 1045 9-1, island mx, talk, ID hard to get thru static but should be better soon (Snyder-NY); man introducing mx selections 1109 8-10, "Listen to the Happy Stn" promo at 1122, poor sig overall, deep fades (D'Angelo-PA).
- 5030 PERU R. Los Andes, relig.prgm 0019 8-16, mx, echo effects, ID (Schulze).

- 5035 BRAZIL R. Aparecida, LA songs, ID 0027 8-24, PT, natch (Tuchscherer-WI).
- 5040 ECUADOR LV del Upano, 0010 on 8-29, LA mx, ID, sounds of cows and chickens, //5999 very weak (Alexander-PA); two gals talking 0310 8-6, mx bridges to "Godfather" theme, formal ID, s/off anmts 0324, then NA to 0330*, fair signal (D'Angelo-PA).
- 5040 USSR Tbilisi presumed, RS mx, orchestra, piano, 0150, IS 0159, talk, 9-5(Alexander-PA).
- 5047 TOGO Lome, 0543 8-12 with FR ID by man, fair sig overall (Snyder-NY).
- 5050 COLOMBIA LV de Yopal, 0040 8-16, LA mx, "servicio especial" (Schulze).
- 5050 ECUADOR R. Jesus del Gran Poder, LA songs 0043, ID, NA to 0104* 8-31 (Tuchscherer-WI); 1007 8-29, song "Buenos Dias," hymns, prayers, ID, Halleluyah chorus (Paskkiewicz).
- 5055 COSTA RICA TIPC, 0425 8-15, ID, fays, religious prgmg, slow instrumental mx (Schulze); 1015 9-2 with ID, brief mx, rooster crows, relig. prgmg, F-G but QRM'd (Bobb-MN).
- 5060 PERU R. Amazonas, 8-22 1130 with chimes, piano mx, ID, ads for cola, food stores; fair till 1140 fade-out (Onley).
- 5066 ZAIRE R. Candip, 0325 s/on 8-15, guitars playing, FR ID, more guitars, singing group (Schulze).
- 5275 TAIWAN? WYFR relay 1357 8-14, EG relig. prgm, into IC, CH ID, religious music prgm, good sig but odd fdy (Kashiwabara-CA).
- 5286 CHAD R. Moundou, 0503 on 8-29, tuned in to FR kids chorus as hrd on RMT-4904.5; local mx, talk by man (Alexander-PA).
- 5617 PERU R. Ilucan reactivated here recently, hrd with poor-fair signal during Andean mx segment 1215 on 7-21 but not since (Onley).
- 5661 PERU LV de Cutervo also hrd 1220 7-21, s/on 1218 with full ID, into OA mx, poor (Onley).
- 5889 CLANDESTINE R. Liberacion, 0245-0307* 8-23, electronic sound effects, talk, ID, s/off with anthem (Alexander-PA); 0259 on 8-29, anmts, ID by gal, Nic mentions (Paskkiewicz).
- 5965 BOLIVIA R. Nacional Huanuni, CP folklorica mx and commentaries at fair level, 0946 on 8-21, ID and TC noted at 0957 (Onley).
- 5965 SWITZERLAND SRI, EG at 0114 8-27, IS, ID, prgm rvw, light mx (Zilmer).
- 5970 JAPAN NHK-Tokyo, 0957-1000* 8-27, in SP, possibly nx, ID, fair sig (Bobb-MN).
- 5975 ENGLAND BBC WS, 0000 8-26 with World Nx, Nx About Britain, R. Nxrrel, //6175(Dillon-MD).
- 5980 BRAZIL R. Guaruja hrd 0940 on 8-21, presumed but no psitive ID hrd; PT cmtry and mx, fair level mixing with RRI-Biak (Onley).
- 6006 COSTA RICA R. Reloj, 0945 9-1, man with IDs, TCs, mx, noisy rcpn condx (Bobb-MN).
- 6010 BRAZIL R. Inconferencia, hrd at 0115 8-27 with futebol, //15190 (Zilmer); hrd 0828 on 9-4 with PT ID, rooster crowing, phone-in show, poor signal (Kashiwabara-CA).
- 6010 PERU R. America, 1100 9-11 with ID, some talk, "Condor Pasa" 1103, more IDs (Jones-MS).
- 6015 IVORY COAST Abidjan, 0630 9-5 in FR, jingles, ads, DJ chatter, //4940, 7215(Alexander).
- 6020 MEXICO XEUW, hrd 1305 on 9-9, fast ID as "XEU, Vera Cruz," then long ad string; fading fast, poor sig overall tho fair strength (Jones-MS).
- 6025 DOMINICAN REPUBLIC A new one on SW, R. Amanecer, Santo Domingo. Hrd with hymns and talk at 0040 on 8-31, ID as "Esta es R. Amanecer" (Tuchscherer); 1005 8-29 with religious talks, hymns, IDs with fays and request for reports, good strength with splatter from both sides, must have decent power as hrd all day in S. Florida with evangelical programming (Buer-FL); hrd 1024 9-2 with religious songs by quartet, organ mx, some AFRTS-6030 spillover, otherwise pretty good (Jones-MS). Hrd here with fair sig in AM, s/on 1000 or 1015, varies; it's the MWR listed for 1570. Bobb-MN, I think this is the one you hrd with "Voz de Esperanza" prgmg, as they mention that slogan in ID at times (JB).
- 6035 AUSTRALIA RA, 1638 8-5 with nx, sports, pops, poor, //9580 (Sampson-WI).
- 6046 COLOMBIA R. Melodia, strong level with singing ID at 0705, then into ballad, another ID 0717 mixed with laughter and accordion mx; hrd 8-21, -22, then nothing (Onley); 1105 9-2, many IDs and TCs during the nx, fair signal (Jones-MS).
- 6055 PERU R. Continental, up and down level, tho becoming a regular; hrd with Andean tunes and SP cmtry, numerous IDs, TCs, mentions of Arequipa, 0836 8-21 (Onley).
- 6060 ARGENTINA R. Nacional, 0725-0757 8-22 with IDs, vocals and brass mx, good (Kashiwabara).
- 6085 GFR Bayerischer Rundfunk, in GM with EZ lstng instrumental mx at 2257 8-27, ID and nx read by man at 2300, returned to soft mx 2306, fair signal (D'Angelo-PA).
- 6090 LIBERIA ELBC, in EG and vernacs 0645-0720 8-29, local mx, into EG 0658 with ID, ad for local movie, ELBC nx 0700, Eveready ad (Alexander-PA).
- 6095 USA-IN. WHRI at 1507 8-14, test xmen in EG, FR, SP, offering spcl QSL (Tuchscherer-WI).
- 6100 NICARAGUA LV de Nicaragua, SP ID 0502 8-21, much talk, DW and YTO QRM (Jordan).
- 6106 BOLIVIA R. Panamericana, 1040 9-11, "Esta es Bolivia en antena, desde R. Panamericana," CP mx, early morning style; use USB to get away from 6105 QRM; fair overall (Jones-MS).
- 6110 MALTA R. Mediterran, EG 2245 8-23 with gal anncr, Budapest QRM, fair (Rhyne-NC).
- 6120 CANADA BBC WS relay 0000 8-25, World Nx, Nx Abt Britain, R. Nxrrel, fair (Dillon-MD).
- 6130 CANADA CHNX tent., 2030 8-26, baseball nx, ad, TCs, wx, pops, vy poor (Bobb-MN).
- 6141 BOLIVIA Tent. R. Luis de Fuentes, 1007 9-11, TCs, maybe nx, two IDs but not sure of them; mx was CP; poor even with USB (Jones-MS). Definitely them, Jack; coming in pretty well here in mid-September from *0945 with ID, "Correspondo la Sierra" prgm (JB).
- 6170 COLOMBIA LV de la Selva, 0833 8-20 with mx, TCs, Ide, good lvl, politics 0850 (Onley).
- 6175 ANTIGUA BEC WS relay, World Nx, Nx Abt Britain, R. Nxrrel, 0000 8-9, very good(Dillon-MD).
- 6185 USA-LA. WRNO 0325 8-20 mx, talk with Duke of Dixie, ID 0330 (Karlsson).
- 6190 PERU R. Oriente, folklorica mx 1114 8-21, ID 1121, talk, OA mx (Onley). 73 till Nov --



LOG REPORT

section C

6200 to 11699 kHz

EDITOR: Jerry Ervine, Box 5205, Hidalgo, TX 78557

- 6248 VATICAN Vatican R.0630 EG.nx re the Pope's arr. in Miami, world nx; not normally s'ed in EG. at this time (Fleming 9/11)
- 6304.5 PERU R.Acari 0250-0300 SP. poor with m tk.ID 0253,no rec at 0300 (Tuchscherer-WI 8/26)
- 6305 CLAND La voz del CID.0732 SP.tks on So Am politics(Onley 8/21)
- 6323.6 PERU Estacion C.Moyagamba 0158-0236 SP. Peruvian folk mx. time ancmts.ID. fair signal (Schulze 8/16)
- 6540 N.KOREA R.Pyongyang 1300 JJ.IS.ID.tk,loc mx: (Zilmer 8/23)
- 6576 N.KOREA R.Pyongyang 1400-1449 EG.IS.ID.Natl Anthem,Freq & time sched. nx,loc mx: to SE Asia //11735 (Zilmer 8/23)
- 6571.8 Peru.R.Tacna 0440-0528 SP.LA mx,slow fade out 0528;fair (Schulze 8/15)
- 6590.7v CLAND R.Venceremos 0215 -0218 SP. LA mx,m/w ancns,IDs //3757.4v (Alexander-PA 8/29)
- 6603 CLAND R.Venceremos 1135 SP.'loves Moving Around',accord & guitar tunes,pol coment;poor (Onley 8/21)
- 6625 CLAND R.Venceremos 2330-2346 SP.IDs by m&w; tks on Cent.Am. 2338 LA mx/vocals; 2345 ID,prob.s/off ancmts; brief choral singing. SIO 242 (D'Angelo 8/27)
- 6668.1 CLAND LV de Alpha '66' 0101-0125* SP.m tk,brief mx breaks ID(Alexander-PA 9/5)
- 6726.5 PERU R.Satelite 0320-0344 SP.m tk. re.econ & relig,mx interludes,IDs (Schulze 8/16)
- 6726.7 PERU R.Satelite 0343-0352* SP. m tk & a bit of 'El Condor Pasa NA* (Tuchscherer-WI 8/23)
- 7115 BULGARIA R.Sofia 0307 EG.nx tk re Persian Gulf,IDs. mx SIO 444 (Worob-TX 8/3)
- 7120 Australia R.Australia 1302 CH.EG. lang lesson,tk re hist. build restoration;1330 ID.nx,CV QRM; SIO 242 (Sampson-VI 8/26)
- 7135 TURKEY VOT 2355 TURK. Turk.mx, w tk. 0000 ID.//9560 (Laskowski-IN 8/)
- 7135 FRANCE RFI 0330 EG.nx head. het. nx on So.Africa; 0336 ID. SIO 544 (Worob-TX 8/18)
- 7150 USSR R.Moscow 0300 EG.tk re. mapping Syria from space; Syrian astronaut. (name? 7/24)
- 7150 UKRAINIAN SSR R.Kiev *0200-0229* EG. IS,ID.by w; bill-board nx: & details;reg.features;//7260 & 13645. very good (Jordan 8/25)
- 7150 USSR R.Rodina 0140-0159* RR. classic.mx: good;s/off ancmts @ 0159; fair to good sigs.(Jordan 8/25)
- 7185 USSR R.Moscow 0200 EG.ID.'This is Moscow',nx,hvy QRN; SIO 523 (Worob-TX 8/12)
- 7190 PHILIPPINES R.Veritas 1159 EG. EZL type mx:IDs in EG. then JJ program at 1200;excellent (Brann-CA 8/28)
- 7190 YEMEN PDR DYPS 0300-0350 AR. recitations,chants w/string instrument; nx @ 0330, marg. fair to fair (Jordan 8/30) 0320-0315 natl anthm by chorus; s/on ancmts by w into'ran. no QRM; help from Roland Archer.tnx.(Pippel_VA 9/02)
- 7190 USSR R. Moscow 0305 EG.nx re. ME Patriarch visiting Moscow (no Name 7/18)
- 7205 CYPRUS CBC 2210 GN. IS.tl.ex 7180? (Laskowski-IN 8/23)

7215 IVORY COAST RDTV Ivory Coast 0558 FF. drum IS. NA. s/on, w IDs
 program of mx, tk & coment. excellent (Brann-CA 8/31)

7225 RWANDA DW relay 0420-0450* SH/EG.XMSN to AF.nx.coment, feat-
 ures; fair(Jordan 9/2)

7235nf LIBYA RJ 2115 EG.tk. re.Sud.sit.f.sig.(Jordan-NC 8/30)
 2215 EG. mailbag, rck mx.Fq inc ancd as 7245(Harris-NY 8/16)

72240 YUGOSLAVIA RY 2130 FR w tk.nx.v.p.sig.(Rhine-NC 8/25)

7245 ANGOLA R.Nacional 0316-0351 t/o PT.w tk. nx. ID. 0350
 (Tuchschere-WI 8/14) 0537 mx. 'Angola' shouted 2x, ham QRM
 high (Klein 8/25)

7245 LIBYA RJ 2155 EG.w/"Happy Mx." nx.coment.f.sig.(Rhine-NC 8/17)

7260 USSR R.kiev 2330-2359 EG. IS.ID.wrld.nx. Gorbachev sp.to
 Amer. teachers; mailbag (Dillon-MD 8/8)

7260 SO.AFRICA RSA 2125 EG. tk & coment.@ So.Af.playwrite (Harris-
 Nu 8/30)

7310 TUNISIA R.Tunis 2155-2230* AR. mx.tk.Q'ran to 2228 s/off +
 Anthem; low-side het R.Tirana, USB better//12005 not
 as good (Buer-FL 9/5)

7315nf VATICAN Vatican R. 0101 EG."talking Point" g.sig(Jordan-
 NC 8/27)

7325 UK BBCWS 0000-0029 EG. wrld nx.tk.@ r.newsreel;vg(Dillon-md8/5)

7345 CZECHOSLOVAKIA R.Prague 0313 EG. nx.coment. opera mx.tk.@
 econ. SIO 444 (Sampson-WI 8/15)

7355 USA WHRI 0310-0357 EG. rel.mx. ID.00357 going up to 7400
 @ 0400; SIO 434 (Snuder-NY 8/12)

7400 USA WHRI 0359 EG. IS.ID. QRM R.Moscow/SP SIO 312(Snyder-NY
 8/12)

7490usb USSR unID DS 0747-0801 RS. ID as 'apokarina' unclear, late-
 nite DJ, slow mx. good (Kashiwabara 8/30)

9395 GREECE VOG 2316-2330 GK/SP.w ID.GK.ID.SP.GK mx.(Dillon-MD 8/8)

9420 GREECE VOG 0133 EG. nx @ US/Vatican; excl.(Jordan-NC 8/24)

9485 USA VOA 0000 EG.nx//9775.9815; pos. move fr.
 9575 which covered Italy (Zilmer 9/1)

9495 USA KVOH 0230 EG. 'Hall of Fame' sermon series-Billy Graham;
 excl.(Jordan-NC 9/1)

9515 ASCENSION IS. BBC relay 2250-2335 EG. sports pg.in pro-
 gress; wrld nx. tks @ nature arnd.wrld.tk @ pol.//9915,9950.
 9975 vu.gd. 9570 p. (Jordan 8/29)

9540 SO.AFRICA RSA #2155-2200 PT. to Brazil; IS.s/on. fair w/QSP
 + Prague co-chan. (Buer-FL 8/10)

9560 NEW ZEALAND RNZ 0543 EG. UJSJ c+w, pop mx; ID as 'Nat'l.
 R.' (Klein 8/25)

9560 ASCENSION IS. BBC 1740-1750 EG./PT. to Africa; EG.docum. @
 So.Africa; ID 1745; PT.ID.+nx. QSP +loc.QRN (Buer-FL 8/30)

9560 TURKEY VOT 2200 EG. Pgm. details, sched.nx; Rev. of Turk-
 ish press; SIO 343 (Sampson-WI 8/23)

9560 EAST GERMANY DDR R.Berlin Int.PRI 0330-0415 EG. nx.coment.
 (Karlsson 8/20) usually co-channel QRM w/VOT until 0350,
 then clear. (Ervine-TX C-Editor)

9565.3 BRAZIL R.Universo 0808 PT. echo anmts, ID./tc, typical vocs.
 poor (Kashiwabara-CA 9/6)

9570 ROMANIA R.Bucharest 0400 EG. nx. (no name 7/17)

9570 KOREA RK 0820-0831 EG. 'Self-critical AS(?)'; nx.into
 PT. ID.sked.@ 0830, good (Kashiwabara-CA 9/6) 1300 EG.nx.
 coment.,mx.//9750 (Zilmer 8/25)

9580 NORWAY RNI 2357-0007 EG. ID.nx. m ancr.(Streitmater 8/5-6)

9585 SO.AFRICA RSA 2035-2107 FR/EG. FR. 2035-2055 NX.COMENT.
 LITE MX; 2059 EG.ID. anmts. time pips @ 2100; 'Billboard',nx.
 v.poor w/QSP,QRN,QSD (Jordan 8/11)

9615 SO.AFRICA RSA 0200 EG. nx.coment.fair (Jordan-NC 9/1)
 hvu QRN ID. time chk.nx tk. SIO 433 (Worob-TX 8/12)

9630 SPAIN REE 0312-0330 SP. COMENT.RE. CHAS.GLASS (KARLSSON
 8/20)

9635 PORTUGAL RDP Int. 2200-0000 PT. to Venez; pgm.sked., gongs +
 NA @ begin. & end of pgm. nx.blocks; (Jordan 8/21)gd.var.ed

9640 LITHUANIA SSR R.Vilnius 2212 EG.tk.coment.Balt.Republics;
 good (Jordan-NC 9/2)

9605 JAPAN R.Japan #0159 JP. IS. ID. weak sig.under D.W.//5960 via
 Sackville? (Laskowski-IN 8/10)

9655 PERU R.Nor Peruana 1130-1200 SP. mx.'Andean vocals'; 'Esta es R.
 Nor Peruana'; ment. Chachapoyas.TC(?), peticiones
 (Paszkiewicz 8/30)

9665 SO.AFRICA R.5 0635-0705 EG. 'T.V. One' promo. racing nx. mx.
 countdown pgm. Ad for shaver; ID.(Alexander-PA 9/5)

9675 PERU R.del Pacifico 1555-1700 SP. mx./clasic. & Sump
 Jazz,non-stop; time pips 1700.ID. good w/QSP,local QRN
 (Buer-FL 8/30)

9690 ROMANIA R.Bucharest 2120 EG. w/tk mx. + s/off @ 2125; good
 sig. (Rhine-NC 8/17)

9690 ARGENTINA RAE 0220 EG. to So.Amer. (Zilmer 9/1) 0000-0100
 SP./PT./EG. to W.Amer. ID.Ancmts.mx. in bloc's-20 min.
 (Jordan 9/4) 0220 EG. new Argentine mx; fair (Jordan-NC 9/1)
 0408 EG. pgm details, tks. re. industry,sports-FA Games;
 0422 ID. SIO 242 (Sampson-WI 8/16)

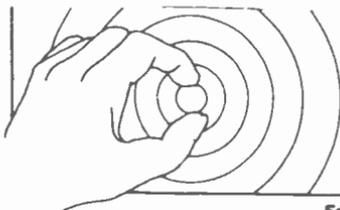
9695 SWEDEN R.Sweden Int. #0230-0300* EG. nx.wx.reg.feature
 (Karlsson 8/20)

9695 BRAZIL R.Rio Mar 1615-1630 PT. Relig. tl; ID w/jingle; good
 sig. for d-lite hr.w/QSP (Buer-FL 8/30)

p9695 JAPAN R. Japan NHK 1400 EG. to SE Arara: n. comment. ' both poor
 in. Our Heritage' //5990 (Zilmer 9/4)
 9700 BULGARIA R. Sofia *2030-2100* EG. 2027 IS. ID. m & w. world &
 nat'l nx. comment.; cultural seq. poor //11750 v. poor. SCOT not
 aud. (Jordan 8/25)
 9710 AUSTRALIA R. A 1203 EG. m tk. nx. comment. ID. 1217 SIO 434
 (Worob-TX 8/19)
 9710 USSR R. Moscow 0130-0230 SP. Cuban play? w tk. nx. mx. Cuban
 pop. mx. nx. mx. comment. IDs. fair to poor (Jordan 8/7)
 9719.8 ANGOLA R. Nat'l. 0540-0555 PT. AEROBICS via r. w/w counting
 to dance mx. Local mx. @ 0545 //4952.7 (Alexander-Pa 8/29)
 9750 BULGARIA R. Sofia 2310-2345* PT/SP. tks. in PT mx. 2330 IS. ID.
 w SP. LA & wld. nx. v. poor (Jordan 8/27)
 9760 USSR R. Moscow 1907 HAUSA mx. inter. ORM VOA (Schulze 7/25)
 9765 USSR R. Moscow No. Am. Svc. 2300-2316 EG. wld nx. ID. 'Moscow
 Mailbag'; fair (Dillon-MD 8/8)
 9771 YEMEN ARAB REP. R. San'a 0300 AR. Prayers-long intervals (no
 name? 7/18) Note: several of these reports appear to have come
 from Germany. Ed.
 9790 FRANCE ORTF 2345-2357 EG. TKS. @ REL. (J. STREITMATTER 8/5)
 9800 FRANCE RFI 0330-0345 EG. wld. nx. sports; ID. FR. (Karlsson 8/24)
 9815 USA WCSN 0300 EG. Jazz show w tk. IDs 0259 SIO 544 (Worob 8/4)
 9870 ECUADOR HCJE 0243 EG. DX Party Line; PRC mon. Svc. Info.
 excel. (Jordan-NC 8/25)
 9870 GUAM TWR 1445 INDIAN? tk. mx. 1500 IS. ID to Asia (Zilmer 8/28)
 9875 IRAQ R. BAGDAD 2140 EG. w tk. nx. mx. good sig. (Rhune-NC 8/11)
 9950 SYRIA R. Damascus *2108-2130 EG. S/on w/NA. ID. nx; loc. nx.
 on freq //12085 (Alexander-PA 8/30) 2120 EG. Nx.
 headlines; AR. mx // 12085 better. (Klein 8/11)
 9960 CLAND R. Caiman 0205-0301 SP. w ancr. into expository tks. var.
 tks. mx. IDs. fair/good; (Jordan 8/30)
 10000 SO. AFRICA ZUO Time ST. 2345-0000 cw Listed only on 2500
 & 5000 kHz/WRTH. ZUO call repeated several times every
 five minutes. fair (Morby 8/3) Time pips morse code ID.
 @ 2219.30. each minute (Ponder 8/15)
 10000 CHINA, P. REP. PPM-Time signals 1257-1300 CH/cw Time
 pips each second, Morse code ID. followed by voice ID. then time
 in CH. (Ponder 8/29)
 11550 TUNISIA R. Tunis 0535 AR. pgm. det. (t) m ancr. mx. 'Madonna'
 pos. ID? @ 0601 nx. // 12005 heavily jam'd. SIO 345 (sompson-
 WI 8/12)
 11600 CHINA P. REP. R. Beijing 1209 EG. nat'l nx. //11650. 11855.
 (Harris-NY 9/6)
 11620 INDIA AIR INDIA 2210 EG. cmntry @ So. Africa (Harris-NY 9/4)
 11625 SYRIA R. Damascus *2005-2205 EG. w ancr. in FR. 2000 into EG.
 2005; good var. pgm. w/nx. mx. IDs. NA. fair (Jordan-PA
 8/31) 2129 EG. AR. voc. mx. ID. "Selected Readings" pgm. //
 12085. (Thunberg-PA 9/9) 2005 EG. w/nx. press rev., mx.
 good sig (Rhune-NC 8/23) 2052-2105* EG. mx. nx, ID v. good
 (Buer-FL 9/5) (Alexander-PA 8/30)
 11635 CLAND R. Camilo Cienfuegos, La Voz del CID 1835-1900 SP. m/w
 ancrs. nx. mx. cmntry. fair sig. (Jordan-PA 8/31) 2220-2245
 SP. gave address in Venez., Costa Rica, Spain. Req.
 letters from Cubans & exiles. (Fleming 9/10)
 11665 KUWAIT R. Kuwait 1845 EG. Cmtry (Harris-NY 8/16) 2044-
 2100* EG. U.S. pop mx. s/off ancmts. NA. -replaces 11675 re.
 ORM R. Moscow; (Thunberg-PA 8/27) 2100 EG. w/ mx. s/off @
 2100; good sig. w/ORM (Rhune-NC 8/23)
 11685 KUWAIT R. Kuwait 1835-1900* EG. w/ tk. nx. mx-AR. vocals;
 cmtry. fair/poor w/ORM, ORM (Jordan-Pa 8/16)
 11695nf USA 00A 0031-0035 EG. 'NOW MX.' (Tuchscherer-WI 8/20)

HELLO to ALL. the name is Jerry and I'll be your EDITOR for Section C.
 Please make your wishes be known to me. I will try to do my best to
 serve you. I hope I don't miss too many and will try to keep the
 mistakes to a minimum. Please follow the same guidelines set forth by
 Joe F. Here's to a new DX season and the best. 7/18

WANTED: An able technician willing to trouble shoot an SPR-4 which
 seems to have blown the filtering section and is in need of align-
 ment. I have complete service manual. Alfred Lisanti, 8201 4th Ave.,
 Brooklyn, NY 11209.



LOG REPORT

section D

11700 and above

Editor: Wallace C. Treibel, 357 N.E. 140 St., Seattle, WA 98115

- 11705 SWEDEN RSI in EG 2357, y/1 w/tlks mixed w/Clarín & R. Moscow, p (Worob TX 8/3)
11705 FRANCE RFI in FR 2000, names of Afro listeners, Hi-life mx, f (Dillon MD 8/24)
11720 BULGARIA R. Sofia in EG 2300, nx, pgm beamed to N. America (Zilmer NM 9/3)
11725 CUBA RHC in SP 0223, o/m w/ tlks, mx, ID's, Lat Am. mx, exc (Worob TX 8/3)
11730 UNITED ARAB EMIRATES Dubai in EG 1630, nx, wx, into AR 1642 (Harris NY 8/22)
11734 TANZANIA zanzibar in vern. 1536-1700, ID, local mx (Schulze, W.Germ. 7/26)
11735 NORTH KOREA R. Pyongyang in EG 1400, IS, ID, NA, skeds, nx (Zilmer NM 8/29)
11745 BRAZIL R. Nacional in EG 0200, ID, exc w/slight QRM (Worob TX 8/4)
11770 MEXICO RMI (XERMX) in SP 1400, ID as "La Grand Cadena" (Smith MD 8/k28)
11780 USSR R. Moscow in EG 1923, "Science & Engineering", arms tlks (Sampson WI 8/5)
11780 NEW ZEALAND RNZ in EG 0521, ID as "National Radio", vocals (Kashiwabara CA 8/12)
11790 SEYCHELLES FEBA in Punjabi? 0240, tlks, mid-East chants, ID, g (Worob TX 8/18)
11805 BRAZIL R. Globo in PT 0015, tlks, ads, jingles, ID, drama (Alexander PA 9/3)
also in PT 0105 w/tlks, mx, ads (Zilmer NM 8/27)
- 11805nf PAKISTAN RP in vern. 1540, local mx, ID, mix w/VOA (Schulze W. Germ. 8/9)
11820 QATAR(t) QBS in AR 1910-1935, AR chorus, recitations, ID, f (Jordan PA 9/2)
11850 PHILIPPINES FEBC in EG 1300, religious pgm, into nx 1330 (Zilmer NM 8/22)
11855 CHINA R. Beijing in EG 1101, int'l & local nx, g (Brann CA 8/28) also in EG *1200-1250 w/IS, ID, nx headlines, pgm on banking, CH mx, f (Jordan PA 8/21)
- 11856 BRAZIL R. Aparecida in PT 0005, BR ballads, DJ chatter (Alexander PA 8/31)
11861v VENEZUELA R. Nacional in SP 0045, tourist promo, salsa mx (Fleming MD 9/11) also in SP 0025 w/ID, string instrumentals, LA pop mx, tlk, //5019 (Jordan PA 9/2)
- 11900 NO. MARIANAS KYOI Saipan in EG 1300, rock mx (Zilmer NM 8/22)
11920nf? RWANDA Deut. Welle relay in lang? 2155, long IS, ID w/site, p (Laskowski IN 8/23)
11920 SEYCHELLES FEBA in SP 1754, ID in EG 1754, pips 1800 (Harris NY 8/29)
11920nf? GABON Africa No. 1 in FR 2055, breezy tlk exchange, Afro Hi-life mx, interviews, QRM from Deut. Welle and Ivory Coast (Jordan PA 8/21) ED: Move from 11940?
- 11930 CUBA RHC in SP 2207, nx, history pgm, salsa mx, QRM R. Marti (Fleming MD 9/10)
11938 KAMPUCHEA(t) Phnom Penh in lang? 1215, imagination level mx (Rippel VA 9/2)
ED: Propagation forecaster says best window for this one on BCNA is 1130-1200.
- 11995 FRANCE RFI in FR 1740, DJ w/old U.S. rock mx, ID 1755, sked (Dillon MD 8/24)
12040 UNITED KINGDOM BBC in RS 1800, world nx, ID, tlks re Afghanistan (Dillon MD)
12050 EGYPT R. Cairo in AR 2202, AR mx, male annr between sels, p (Fleming MD 9/10)
also in AR 2027 w/ID, AR mx, "Beautiful Language" pgm, world nx (Dillon MD 8/4)
- 12050 USSR R. Moscow in EG 1903, nx, "The Way We See It", g (Brann CA 8/5)
13748v ISRAEL Kol Israel in HB 1930-2015, extensive tlk segments, vibraphone backgr'nd mx, ID 2000 into 10 minutes of nx, mx bridge, phone interview (Jordan PA 8/25)
- 13770 NETHERLANDS RN in EG 1430, nx line to S. Asia (Zilmer NM 8/29)
15020 SYRIA R. Damascus in GM 1837, nx, wx, AR mx (Paszkiwicz WI 8/18) in FR 1931 w/vocals & instr mx, nx 2000, ID 2006 (Tuschscherer WI 8/19) in EG 2024 w/cmtry AR mx, nx, mx, NA at 2104 s/off (Snyder NY 8/18, Ponder 8/7) ED: This one also hrd here in Seattle w/excellent signal strength and readability.
- 15100 CHINA R. Beijing in SP 0046, sked, CH mx, f (Kashiwabara CA 9/8)
15135 WEST GERMANY Deut. Welle in GM 2040-2050*, tlk, pop mx, ID (Alexander PA 8/23)
15135 BRAZIL R. Record in PT 2155-2200*, DJ w/echo, ads, ID (Fleming MD 9/10)
15140 CHILE RN de Chile in SP 1248, nx, no ID, g (Worob TX 8/12) also in SP 0350-0400* w/rapid SP tlks, several mentions of R. Nacional, f/g (Jordan PA 8/27)
- 15170 SOCIETY IS. Tahiti in FR 0125, island mx, some Elvis rx, g (Jordan NC 8/24)
in FR/TT 0300, south seas mx (Cobb YUCATAN, Snyder NY 8/30)
- 15190 BRAZIL R. Inconfidencia in PT 0033, bolero mx, ads (Fleming MD 9/11) also in PT w/futbol match, //6010 (Zilmer NM 8/27)
- 15210 USSR RSP&P in Persian/Azeri(p) *1530-1620, tlks of approx 10 min ea, lite instr orch, CM w/sign off at 1559, IS 1600, f/p (Jordan PA 8/11)
- 15220 TURKEY VOT in lang? 1815, tlks, mx, f (Streitmatter 8/28)
15250 ROMANIA R. Bucharest in EG 1304, nx, tlk re architecture (Harris NY 8/9)
15250 PORTUGAL RDP Internel in FR/EG 1850-1930, IS gongs, ID, tlks (Jordan PA 8/24)
15275 ANTIGUA Deut. Welle relay in GM 1200, ID, sked, nx, cmtry, vg (Dillon MD 8/8)
15280 CHINA R. Beijing in EG 0403, nx, political rpts (Schulze W. GERM. 8/7)
15305 FINLAND RF in EG *1404, IS, nx 1407, xmsn garbled, into FN 1500 (Jordan PA 8/28)
15315 LIBERIA VOA relay in FR 2105, world nx, ID, "Economy & Ecology" (Dillon MD 8/8)

- 15365 FRANCE RFI in FR 1145, FR proverbs, poetry & mx, ID, sked, vg (Dillon MD 8/8)
- 15365 CANARY IS. REEspana relay in SP 0150, mx, ID, tlks, g (Worob TX 8/12)
- 15385 UNIDENTIFIED pgm in AR? 1337-1401, vocal, instrumentals, tlks, QRM from another station w/same lang, 2nd sta off at 1356 (R. Oman?), ID 1359 in AR? - something abt Abu Zabyiy?, thought it was UAE but at 1400 M mentioned R. Moscow & USSR 1st pgm IS played, into classical mx (Hollerman AL 7/25) ED: Can anyone help here?
- 15410 PHILIPPINE IS. VOA relay in Cantonese 1435, nx, tlks, IS, ID in EG (Jordan PA)
- 15410 USSR R. Moscow in RS 1502, nx, cmntry, interviews, organ mx, f (Jordan PA 8/11)
- 15425 SRI LANKA SLBC in EG 0055, ID, TC, "Good Morning Show", pop mx (Pearson OH 8/20)
- 15435 UNITED ARAB EMIRATES R. Dubai in EG 1030, nx, wx, "Mailbag" (Harris NY 8/22)
- 15455nf CHINA R. Beijing in EG 2346, mx, lang tlks, nx in EG (Tuchscherer WI 8/13) also in EG 0045 w/nx, mailbag pgm, skeds (Laskowski IN 8/17)
- 15485 ISRAEL Kol Israel in EG 2130, nx, "Israel Sound" (Zilmer NM 8/17)
- 15505 KUWAIT RK in AR 1435-1530, AR recitations, nx, tlks, choral singing (Jordan PA)
- 15510 USSR R. Moscow in CH 1450, nx?, xylophone mx bridges, IS, g (Jordan PA 8/21)
- 15510 BELGIUM BRT in EG 1630, "Brussels Calling" pgm to Africa (Zilmer NM 8/22) also in lang/EG *1600-1655*, IS, ID in EG, p (Jordan PA 8/25)
- 15560 NETHERLANDS RN in EG 1146, pgm re satellites in China, f (Snyder NY 8/12)
- 15570 SWITZERLAND SRI in SP 2130, nx, features on Pope and AIDS (Flaming MD 9/10)
- 15575 SOUTH KOREA RK in EG 0147, nx abt Korea, f (Kashiwabara CA 9/7) also in EG 2355 w/nx rpt including preparations for 1988 Olympics, f-p (Rhyne NC 8/10)
- 15585 ISRAEL Kol Israel in lang (Persian?) *1430-1515, IS, ID, short anthem, then into presumed nx, mid-East mx, tlks, f-p (Jordan PA 9/1)
- 15585 SWITZERLAND SRI in EG 1330, nx, "Dateline", //15570 (Zilmer NM 8/27)
- 15590 BELGIUM BRT in EG 1329, repeated IS, ID, freqs, pgm review (Hollerman AL 7/25)
- 17795 AUSTRALIA RA in EG 0210, nx re naval exercises in Persian Gulf (Worob TX 8/4)
- 17815 BRAZIL R. Cultura Sao Paulo in PT 2312, drama, annmnts, ID (Paszkiwicz WI 8/6)
- 17860 USSR R. Moscow (Chita relay?) in EG 0020, nx, cmntry, RS mx (Ponder 8/22)
- 17870 LIBERIA VOA relay in EG 1609, "Nightline Africa", sports, exc (Sampson WI 8/12)
- 21590 SOUTH AFRICA RSA in EG 1400, nx, cmntry, "S. African Panorama" (Zilmer NM 8/18)
- 21645 LIBYA SPLAJBC in AR 1600, tlk, local mx, chorals, chants (Zilmer NM 9/4)

 Several repeat loggings listed in last month's issue were not included in the above summary. Please consult last month's FRENEX for a more complete update.
 Again, the most valuable log reports are those that provide information on rare catches, station moves, frequency changes, or new stations.

GROVE HIDDEN ANTENNA SYSTEM SOLVES APARTMENT DWELLERS' DILEMMA

The age-old question, "What's an apartment dweller to do for a shortwave or scanner antenna?" has been solved by Grove Enterprises, famous for their innovative and inexpensive solutions to communications problems.

The *Grove Hidden Antenna System* combines a flexible antenna with a powerful, 30 db gain preamplifier for continuous 100 kHz-1000 MHz receiving applications, making it ideal for indoor shortwave, longwave and VHF/UHF scanner listening, even TV and FM reception.

Two output connections allow the simultaneous use of two receivers on the same compact antenna system. A separate preselector is also available to eliminate shortwave intermodulation and image interference in particularly troublesome installations.

The *Grove Hidden Antenna System* costs between \$48 and \$100 depending upon options. For complete information write Grove Enterprises, PO Box 98, Brasstown, NC 28902 or call 1-704-837-9200.

Notes (in no particular order): AWR Europe's Sunday DX show has a pretty good signal at 0815, judging from the tapes made. HCJB from 0035 on noted on 9875 (ex-9870). Vatican at 0050 on new 6150 (ex-6030); 6030 is buried by a strong AFRTS signal. North Korea at 1100 on new 6576 (ex-9977); I finally heard the full schedule when band conditions improved in early September. Libya noted at 2100, an hour earlier than before, on 8/29 but not heard regularly. Pakistan on 15605 fairly decent at 1600+, and acceptable on 11570 at 1630 but worsens as the afternoon wears on. Portugal here is best at 2030 on 9740 to Europe than any other time. Bye bye China at 1200 UT to NA -- RCI to NA has moved to 11855 Mon-Fri. Greece at 1920 moved to 11645 (ex-9395). RAI, Italy, at 1935, dropped 11800 and added 7290. The listing now reflects the correct English-to-Europe programming Czechoslovakia offers at 18, 19 and 22 UT. SCDX #1954 says Greece is on 9420 at 2335, in addition to the frequencies I list here, but I sure can't hear it. I doubt that KCBI is active on SW despite an announcement a month or two ago that it would on the air Saturdays and Sundays; I sure can't hear it here, but I list it just in case it surfaces again. Virtually all of the BRT (Belgium) frequencies will change again as of November 1; the ones listed now are good to October 31. At 2105, Syria has now dropped 9950 and moved to 11650, which offers a better signal than 12085 here. Havana changed several NA frequencies; on new 9550, the VOA 03 UT sign-on in English cleans Havana's clock quite handily; 9730 went off somewhere around 0330, but is being announced at 0400 UT, so for the time being I am continuing to list it here. Spain was heard on 9/25 with English to NA at 0500, but the SR7 does not list this transmission. I will continue to list it; maybe it was an oversight, or maybe this service will be dropped later when the USA goes to standard time.

I am finally back on packet radio. It

has taken almost 3 months to repair or replace everything damaged in the June 22 lightning strike. Pinelands RBBS now carries the HCJB English service newsletter, thanks to Bill Cole. Gilfer has cooked up a sale on Kenwood R-5000 receivers; see the note on Pinelands or call 201-391-7887 for info.

Glenn, hang on to that type face and size... the best of your latest choices.

I have been evaluating a new word processing program that is something just short of a miracle. After using WordStar since 1979, I think I may switch. It allows snaking columns and other kinds of neat tricks, including micro-justification. This is XyQuest Inc.'s XyWrite III Plus.

 Thomas R. Sundstrom
 PO Box 2275
 Vincentown
 NJ 08088-2275

Telex: 6502446376 (via WUI)
 MCI Mail: 244-6376
 The Source: BCF811
 Comuserve: (send via MCI Mail)
 Packet Radio: W2XQ @ NB2MNF
 Pinelands RBBS: 609-859-1910
 (24/12/3 8N1)

 VOICE OF AMERICA ENGLISH SCHEDULE

Beg	End	kHz	Xmtr Site
0000	0100	930	RAM
0000	0100	1580	ANT
0000	0100	6130	GR
0000	0100	7275	PHL
0000	0100	9455	GR
0000	0100	9770	PHL
0000	0100	11695	GR
0000	0100	11760	PHL
0000	0100	11775	PHL
0000	0100	15290	PHL

Req	End	kHz	Xmtr Site	Req	End	kHz	Xmtr Site	Req	End	kHz	Xmtr Site
0000	0100	17740	PHL	0600	0700	6095	TAN	2100	2200	7205	RHO
0000	0200	11740	DL	0600	0700	6125	BY	2100	2200	9700	KAV
0000	0300	5995	GR	0600	0700	7325	WOF	2200	2400	7275	PHL
0000	0300	9650	DL	0600	0700	9530	GR	2200	2400	9770	PHL
0000	0300	9775	GR	0600	0700	9550	BY	2200	2400	11775	PHL
0000	0300	9815	DL	0600	0700	11805	KAV	2200	2400	15185	PHL
0000	0300	11580	GR	0600	0700	11915	MVA	2200	2400	15290	PHL
0000	0300	15205	GR	0600	0700	15195	RHO	2200	2400	17740	PHL
0030	0100	1575	BAK	0615	0700	6060	MUN	2230	2400	1575	BAK
0100	0300	6130	GR	0630	0700	3980	MUN				
0100	0300	7205	KAV	1100	1230	1143	PHL				
0100	0300	9455	GR	1100	1330	11715	PHL				
0100	0400	930	RAM	1100	1900	6110	PHL				
0100	0400	1580	ANT	1100	1500	7230	PHL				
0100	0400	7115	COL	1100	1500	15160	PHL				
0100	0400	9740	KAV	1100	1500	15425	PHL				
0100	0400	11710	COL	1100	1700	9760	PHL				
0100	0400	15155	PHL	1300	1500	7125	COL				
0100	0400	15210	PHL	1300	1700	15205	KAV				
0100	0400	15250	COL	1300	1900	9645	COL				
0100	0400	17735	PHL	1300	1900	15395	COL				
0300	0330	1260	RHO	1400	1500	1143	PHL				
0300	0430	621	ROT	1500	1630	1260	RHO				
0300	0430	6035	MVA	1500	1900	7125	COL				
0300	0430	11835	MVA	1500	2100	9700	KAV				
0300	0500	6035	MVA	1530	1600	1575	BAK				
0300	0500	9550	MVA	1600	1830	15600	MVA				
0300	0600	7200	WOF	1600	1900	9575	PHL				
0300	0600	9575	BY	1600	1900	11920	PHL				
0300	0700	6040	WOF	1600	2100	17870	MVA				
0300	0700	7280	MVA	1600	2200	7195	MVA				
0400	0430	792	KAV	1600	2200	15410	GR				
0400	0600	9740	KAV	1600	2200	15445	MVA				
0400	0700	5995	TAN	1600	2200	15580	GR				
0400	0700	7170	WOF	1600	2200	17785	GR				
0400	0700	7200	WOF	1600	2200	17800	BY				
0430	0500	1197	MUN	1700	1730	1197	MUN				
0430	0500	3980	MUN	1700	1730	3980	MUN				
0500	0545	6060	MUN	1700	1800	792	KAV				
0500	0600	9670	KAV	1700	2200	6040	TAN				
0500	0600	11925	KAV	1700	2200	9760	TAN				
0500	0600	15205	KAV	1700	2400	11760	GR				
0500	0700	792	KAV	1730	2200	621	ROT				
0500	0700	6035	MVA	1800	2200	21485	MVA				
0500	0700	9540	MVA	1830	2200	9760	TAN				
0600	0700	1260	RHO	1900	2200	6045	MVA				
0600	0700	3990	MVA	1900	2200	9620	MVA				
0600	0700	5965	RHO	1930	2000	792	KAV				
0600	0700	6080	GR	2100	2200	1260	RHO				
0600	0700	6095	TAN	2100	2200	7205	RHO				
0600	0700	6125	BY	2100	2200	9700	KAV				
0600	0700	7325	WOF	2200	2400	7275	PHL				
0600	0700	9530	GR	2200	2400	9770	PHL				
0600	0700	9550	BY	2200	2400	11775	PHL				

I will have a file with the full VOA schedule with all languages as a text file for download on the Pinelands RBBS. List the contents of the RADIO download directory to find the file name.

The end of September has produced another drop in band conditions. The solar flux has been bouncing around 82 since the 17th, and the A-index jumped to 35 on the 25th. A minor geomagnetic storm began at 02 UT this date, but the conditions as I print this file seem more like a total blackout.

No doubt I have NOT caught up with all the daylight-to-standard time schedule adjustments. If you are looking for something that isn't there, check an hour later. Let me know your findings via the BBS, Email or USPO. As we learn of changes, they will be posted as messages in the SWL conference on the Pinelands RBBS and show up here next month as an update.

All Records Included

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time

Compiled by Thomas P. Sundstrom, W2IQ

09/25/87

Start End Time Time (UTC) (UTC)	Country	Station	Freq 81	Freq 82	Freq 83	Freq 84	Freq 85	Freq 86	Freq 87	Freq 88	Target Area	Notes	Record Last Updated
0000 0100	Australia	R Australia	17795	17750	15395	15320	15240	15160	15140		As/Pac/PapMG		03/14/87
0000 0100	Canada	R Canada Int'l	9755	5960							MA	Sun-Mon	03/14/87
0000 0100	China	R Beijing	15455								EMA		08/16/87
0000 0200	Cuba	R Havana	6090								Americas		09/22/87
0000 0100	Sudan	KSOA	15125										09/04/87
0000 0200	Iraq	R Baghdad	11705								MA/SA		06/19/87
0000 0030	Israel	Kol Israel	9855	9435	7465						MA		09/04/87
0000 0050	North Korea	R Pyongyang	15160	15140							Am		04/17/87
0000 0030	Norway	R Norway	9610	9590							SA	Eng Mon only	08/28/87
0000 0100	Spain	Sp Foreign Radio	9630								MA		09/01/87
0000 0200	USA	MCSW	9765								S Eu	60 deg	09/04/87
0000 0300	USA	WRNO	7355										04/04/87
0030 0055	Belgium	SRT	9925	5910							SA/MA		09/22/87
0030 0130	Ecuador	HCBJ	11910								Americas		04/19/87
0030 0230	Pakistan	R Pakistan	15115	11570							S & SE As	World Service	09/06/87
0030 0100	Portugal	R Portugal	9680								EMA	Tue-Sat	08/03/87
0035 0200	Ecuador	HCBJ	15155	11775	9875						MA		09/06/87
0050 0110	Vatican State	Vatican Radio	11780	9605	6150						MA		09/07/87
0100 0200	Australia	R Australia	17795	17750	17715	15395	15320	15240	15180	15160	As/Pac/PapMG		09/07/87
0100 0130	Canada	R Canada Int'l	11940	11845	9535						LA		11/12/86
0100 0157	Czechoslovakia	R Prague	11990	9740	9630	9540	7345	6055	5930		MA		06/06/87
0100 0150	Fed Rep Germany	R Deutsche Welle	11785	9605	9565	9545	6145	6085	6040		EMA	9545 Malta relay	05/14/87
0100 0130	Israel	Kol Israel	9855	9435	7465						MA		09/04/87
0100 0120	Italy	RAI	11800	9575							MA		04/12/87
0100 0130	Japan	R Japan	17845	17810	15280						60S/Asia		04/22/87
0100 0200	Spain	Sp Foreign Radio	9630								MA		09/01/87
0100 0300	USA	WHRI	9850								Eu/CR/SA		09/04/87
0101 0230	Canada	R Canada Int'l	9755	5960							MA		03/14/87
0115 0200	German Dem Rep	R Berlin Int'l	9730	6080							EMA	Tue-Sat	05/09/87
0130 0200	Austria	ORF	9550								MA		04/24/87
0130 0138	Greece	V of Greece	9420	9395	7430						MA	Eng news	02/17/87

0300	0540	South Africa	R Orange	3215			Regional	01/18/87
0300	0530	South Africa	R Suid Africa	3955			Regional	01/18/87
0300	0530	South Africa	Radio 5	4880			Regional	01/18/87
0300	0426	South Africa	Radio RSA	7795	6120	5980	Afr	09/04/87
0300	0400	Taiwan	V of Free China	17650	15345	11745	NA/Jap/As/Aus/NZ	09/06/87
0300	0350	Turkey	V of Turkey	17760	9560		SE As/NA	04/12/87
0300	0500	USA	WRNO	6185				05/09/87
0300	0700	USSR	R Moscow	13640	12050	11770	WNA	04/22/87
0301	0330	Japan	R Japan	17825	11870		GOS/Am	04/14/87
0310	0327	Switzerland	Int'l Com Red Cross	12035	9885	9725	NA/CA	08/24/87
0310	0330	Vatican State	Vatican Radio	6150			NA	09/07/87
0330	0400	Albania	R Tirana	9760	7065		NA	03/07/87
0330	0400	Austria	ORF	6000			NA	08/29/87
0330	0345	France	R France Int'l	11700	9800	9790	6055 Afr/NE/LA	06/07/87
0330	0415	German Dem Rep	R Berlin Int'l	9560	6010		WNA	08/17/87
0330	0400	Sweden	R Sweden	11705			ME	11/12/86
0330	0415	United Arab Emirates	R Dubai	17890	15635	11940	NA	05/23/87
0340	0348	Greece	V of Greece	9420	9395	7430	NA	02/17/87
0345	0430	German Dem Rep	R Berlin Int'l	11750	9730	5965	EW/E Afr/Eu	05/09/87
0345	0730	New Zealand	R New Zealand Int'l	15150	11780		Pac/Aus/Melanesia	08/17/87
0350	0410	Italy	RAI	15330	11905	9710	S As	07/20/87
0359	0600	USA	WHRI	7400	6155		Eu/CA/SA	09/04/87
0400	0500	Argentina	RAE	11710	9690		Americas	05/31/86
0400	0500	Australia	R Australia	17795	17715	15320	As/Pac/PapMG/Afr	03/14/87
0400	0500	Bulgaria	R Sofia	11720			NA	07/27/87
0400	0500	China	R Beijing	15280	15180		WNA	07/20/87
0400	0500	Cuba	R Havana	9730	9550	6090	Americas	09/23/87
0400	0425	Netherlands	R Nederland	9895	7210		ME/E Afr	08/28/87
0400	0430	Norway	R Norway	9600			ME/E Afr	08/28/87
0400	0455	Romania	R Bucharest	11940	11810	9570	NA	11/13/86
0400	0430	Switzerland	R Swiss Int'l	12035	9885	9725	NA	05/24/86
0410	0600	USA	WCSM	9465			SAC Afr	04/24/87
0415	0430	France	R France Int'l	11995	11700	9800	7135 Afr/NE/LA	06/07/87
0415	0645	Pakistan	R Pakistan	17660	15605	12015	ME	09/06/87
0425	0440	Italy	RAI	7275	6165		Mediterranean	07/20/87
0430	0500	Albania	R Tirana	11835	9480		Afr	12/24/86
0430	0500	Austria	ORF	11805	6000		ME/WNA/Eu	08/29/87
0430	0515	Fed Rep Germany	R Deutsche Welle	11765	9765	9565	SAC/E Afr	04/04/87
0430	0455	Finland	R Finland	11755	11715	6120	NA/Eu/ME	04/04/87
0500	0600	Australia	R Australia	17795	17750	17715	As/Pac/PapMG	03/14/87
0500	0600	Cuba	R Havana	9730	6090	6035	Americas	09/23/87
0500	0700	Ecuador	HCJB	11775	9875	6205	Americas	09/06/87

0500	0550	Fed Rep Germany	R Deutsche Welle	9700	9635	6130	6120	5860	06/12/87	NWA	
0500	0515	Israel	Kol Israel	17620	11960	11610	11585	9435	09/06/87	NA/Eu/Aus/NZ	
0500	0600	Japan	R Japan	21550	17810	15235	9675		08/30/87	60S/As/NA/Oceania	
0500	0800	Kuwait	R Kuwait	15345					04/18/87	Far E/SE As/Aus/NZ	
0500	0530	Norway	R Norway	11865					08/28/87	ME/Afr	Eng Mon only
0500	0600	South Korea	R Korea	9570	7275	6060			04/21/87	As/60S	
0500	0600	Spain	Sp Foreign Radio	6125					09/25/87	NA	
0515	0530	Canada	R Canada Int'l	15180	11855	9750	7275	6140	08/29/87	Eu/Afr/NE	v UK exc 9750, 6140
0530	0545	Czechoslovakia	R Prague	11990	9505	6055			10/11/86	Eu	
0530	0625	Netherlands	R Nederland	9715	6165				09/19/86	NWA	via Bonaire
0530	0600	Romania	R Bucharest	15380	15340	11940	11840	9685	12/14/86	Afr	
0530	0600	United Arab Emirates	R Dubai	21700	17775	15435	11955		07/21/87	Far E/Aus/As	
0535	1550	South Africa	R Suid Africa	7285	6095				01/18/87	Regional	
0545	0600	Canada	R Canada Int'l	15180	11855	9750	7275	6140	08/29/87	Eu/Afr/NE	v UK exc 9750, 6140
0545	0630	Berman Dea Rep	R Berlin Int'l	21540	21465	17880	15240		05/09/87	SE As	
0545	1545	South Africa	R Orange	6150					01/18/87	Regional	
0530	1525	South Africa	Radio 5	9665					06/19/87	Regional	
0600	0630	Australia	R Australia	17795	17750	17715	15395	15315	03/14/87	As/Pac/Pap/NE/Afr	
0600	0645	German Dea Rep	R Berlin Int'l	9620	5965				05/09/87	ME/Eu	
0600	0700	Taiwan	V of Asia	7285					07/20/87	SE As	
0600	0800	USA	WCSN	7365					08/18/87	SE As	45 deg
0600	0800	USA	WRTI	7400	6100				09/04/87	N Eu	
0615	0700	Fed Rep Germany	R Deutsche Welle	15185	11785	9700	9625		04/04/87	Eu/CA/SA	
0630	0700	Albania	R Tirana	9500	7065				04/04/87	N Afr	
0630	0700	Australia	R Australia	17750	17715	15395	15315	15240	12/24/86	Eu	
0630	0700	Austria	ORF	15410	6155	6000			03/14/87	ME/Eu	
0630	0700	Bulgaria	R Sofia	11720	9700				08/29/87	N Eu	
0630	0655	Finland	R Finland	11755	9560	6120			04/12/87	Eu	
0630	0655	Netherlands	R Nederland	11930	9895				04/04/87	Eu	
0630	0730	South Africa	Radio RSA	17875	15125	11900	7295		09/19/86	N Afr	
0630	0700	Switzerland	R Swiss Int'l	17570	15430	12030			09/04/87	SAW Afr/UK/Ireland	
0645	0715	Romania	R Bucharest	21665	17805	17790	15340	15250	05/09/87	Afr	
0650	0830	Ecuador	HCJB	11835	9845				11/13/86	Pac	
0700	0730	Australia	R Australia	17750	17715	15395	15240	15160	04/22/87	Eu	Sat-Sun. 0700-0830
0700	1030	Ecuador	HCJB	11925	9745	6130			03/14/87	As/Pac/Pap/NE	
0700	0725	Finland	R Finland	11755					04/18/87	S Pac	
0700	0800	Japan	R Japan	21695	21550	17810	15235	15195	04/04/87	Eu	Sat only
0700	1115	Pakistan	R Pakistan	17660	15605				21695 Gabon relay	60S/As/Aw/Dc/Eu/NE	
0700	0800	South Korea	R Korea	13670	7550				09/30/87	Eu	World Service
0700	0800	Taiwan	V of Free China	5985					08/04/87	Eu	
0715	0800	German Dea Rep	R Berlin Int'l	21540	21465	9730	7185	6040	04/21/87	NA	via WFR
0730	0800	Australia	R Australia	17750	17715	15395	15315	15240	05/09/87	Far E/Eu	Sat-Sun. exc 21540
									03/14/87	As/Pac/Pap/NE	

0730	0800	Czechoslovakia	R Prague	21705 17840 11865	SHE As/Pac	09/13/87
0730	0800	Italy	AMR Europe	7280	Eu	08/29/87
0730	0825	Netherlands	R Nederland	9715 9630	NZ/Aus	09/19/86
0740	0757	Switzerland	Int'l Coma Red Cross	15570 11905 9885 9560	Australasia	08/24/87
0800	0830	Albania	R Tirana	11835 9500	As/Aus	12/24/86
0800	0900	Australia	R Australia	17750 17715 15395 9655 9580	As/Pac/PapNG	03/14/87
0800	0825	Belgium	BRT	21810 9860	SE As/Aus	09/22/87
0800	0900	Portugal	AMR Europe	9670	Eu	08/29/87
0800	1000	USA	MCSN	9465	W Afr	09/04/87
0800	1100	USA	MRR1	7355 6095	Eu/CA/SA	09/04/87
0805	0930	Buay	KTR	11805	Japan	08/31/87
0828	0855	Netherlands	R Nederland	9630	Aus	09/19/86
0830	0900	Austria	ORF	15410 11915 9600 6155	ME/Aus/As/Eu	08/29/87
0830	0900	Czechoslovakia	R Prague	21705 17840 11865	SHE As/Pac	09/13/87
0830	0655	Finland	R Finland	15245 6120	Eu/E As	04/04/87
0830	0925	Netherlands	R Nederland	21485 17575	Asia	09/19/86
0830	0900	Switzerland	R Swiss Int'l	15570 11905 9885 9560	Aus/NZ	10/18/86
0845	0930	German Dem Rep	R Berlin Int'l	21540 21465	Far E	05/09/87
0900	1000	Australia	R Australia	15415 9710 9655 9580	As/Pac/PapNG	03/14/87
0900	0915	Austria	ORF	11915 6155 6060	Eu	08/29/87
0900	0950	Fed Rep Germany	R Deutsche Welle	21680 21650 17780 15410 15205 15185 11945 9720	Aus/As	08/03/87
0900	1000	Japan	R Japan	17810 15235 11840	605/As/OC	06/30/87
0900	fade	Papua-N Guinea	AFC-Port Moresby	4920	Carib	09/06/85
0930	0940	Canada	R Canada Int'l	9755 5960	Aus/NZ	11/12/84
0930	1100	Buay	FMF	11805	Aus/NZ/Japan	08/31/87
0930	1000	Hungary	R Budapest	21525 17710 15320 15160 11910 9635	Aus/NZ/Eu	05/09/87
0930	1000	Sweden	R Sweden	15390 9630	As/Pac/PapNG	06/29/87
1000	1030	Australia	R Australia	15415 9655 9580	Afr	03/14/87
1000	1025	Belgium	BRT	21810 17610	SACRE Afr	09/22/87
1000	1030	Fed Rep Germany	P Deutsche Welle	21660 17765 9735 7225	605/E As/Aus/NZ	04/04/87
1000	1100	India	AIR	17875 15335 15320 11940 11725	W Afr/Eur/Far E/Aus/NZ	04/17/87
1060	1030	Norway	R Norway	25730 21730 15230 15180	ME/Afr	08/28/87
1000	1100	South Korea	R Korea	15575	Aus/NZ	04/21/87
1000	1030	Switzerland	R Swiss Int'l	15570 11905 9885 9560	Aus/NZ	10/18/86
1060	1200	USA	MCSN	17640	SAC Afr	03/29/87
1030	1100	Australia	R Australia	15415 9580	As/Pac/PapNG	03/14/87
1030	1130	Ecuador	MCB	11925 6130	S Pac	04/18/87
1030	1125	Netherlands	R Nederland	9650 6020	As/Carib	09/19/86
1030	1215	New Zealand	R New Zealand Int'l	9600 6100	Aus/Melanesia	09/13/87
1030	1040	Taiwan	V of Asia	5980	SE As	07/20/87
1030	1130	United Arab Emirates	R Dubai	21605 17865 15435 11955	Eu/Afr	07/21/87
1040	1057	Switzerland	Int'l Coma Red Cross	17830 15585 15570 11935	Far East	08/24/87

1045	1100	Romania	R Bucharest	15250	11940	9690		Eu	Mon-Sat	12/14/86				
1100	1130	Australia	R Australia	11800	11705	9770	7110	6080	As/Pac/PapMG	03/14/87				
1100	1200	China	R Beijing	11855				ENA		08/16/87				
1100	1125	Finland	R Finland	15400	11945			NA	Mon-Fri	04/04/87				
1100	1130	Israel	Kol Israel	17630	15650	15640	12080	11585	Eu/Aus/As	09/06/87				
1100	1200	Japan	R Japan	17810	6120	5990		60S/Asia/NA	6120 v Sactville	04/22/87				
1100	1150	North Korea	R Pyongyang	11735	6576			Am		09/06/87				
1100	1156	South Africa	Radio RSA	21590	15125	7295		Afr./ME/UK/Ireland		09/04/87				
1100	1130	Sweden	R Sweden	21690	9630	6085		Eu/Afr/ME	6065 H-F	05/18/87				
1100	1130	Switzerland	Int'l Coax Red Cross	7210				Eu	9/27 & 10/25/87	08/24/87				
1100	1130	Switzerland	R Swiss Int'l	17830	15585	15570	11935	SE As/Aus/NZ		05/09/87				
1100	1200	Taiwan	V of Asia	7445	5980			SE As		07/20/87				
1100	1300	USA	WHRI	11790	5995			Eu/CA/SA		09/04/87				
1110	1125	France	R France Int'l	21620	17850	17720	17620	15365	15315	15300	15195	Afr/ME/W Eu	pt 1 of 2	06/07/87
1110	1257	Netherland Antilles	Trans World Radio	11815				NA	Sat - 1405/Sun - 1332	05/19/87				
1111	1125	France	R France Int'l	15155	11845	11700	11690	11670	9805	9790	6175	Afr/ME/W Eu	pt 2 of 2	06/07/87
1115	1200	German Dem Rep	R Berlin Int'l	21540	21465	17880	15440		SE As					05/09/87
1115	1130	Pakistan	R Pakistan	17660	15605			Eu	Slow-speed news					09/06/87
1130	1200	Albania	R Tirana	11855	9480			As/Aus						12/24/86
1130	1200	Australia	R Australia	11800	11705	9770	9710	9645	9580	7215	6080	As/Pac/PapMG		03/14/87
1130	1200	Ecuador	HCJB	11740				Americas						04/18/87
1130	1200	Fed Rep Germany	R Deutsche Welle	21600	17800	17785	15410		W Afr	17800,15410 v Kigali	04/04/87			04/18/87
1130	1200	Italy	AMR Europe	7260				Eu						08/29/87
1130	1225	Netherlands	R Nederland	21480	17605	17575	15560	9715	5955			Eu/ME/As		09/19/86
1145	1236	German Dem Rep	R Berlin Int'l	17755	15240	11890	11705	9665				ME/NA Afr		04/18/87
1150	1220	Hungary	R Budapest	17710	15160	11910	9835	9585	6025			Eu	Mon-Fri	09/22/87
1158	1235	Ecuador	HCJB	6075				Far E/Jap						05/14/87
1200	1230	Australia	R Australia	11800	9770	9710	9580	7215	7205	6080	6060	As/Pac/PapMG		03/14/87
1200	1230	Austria	ORF	15320	11915	9685	6155					ENA/Aus/As/Eu	Sunday only	05/31/87
1200	1300	Canada	R Canada Int'l	17820	11855	9625						NA/Carib	Mon-Fri	09/07/87
1200	1300	China	K Beijing	11855	11650			ENA						08/16/87
1200	1600	Ecuador	HCJB	17890	15115	11740		Americas						04/18/87
1200	1256	North Korea	P Pyongyang	9977	9600			NA						05/25/87
1200	1230	Koania	R Bucharest	17720	15380	11740		Am						11/13/86
1200	1225	USSR	R Tashkent	11785	9715	9600	7325	7275				As		05/07/87
1215	1330	Egypt	R Cairo	17675				As						01/10/87
1230	1300	Australia	R Australia	9770	9580	7215	7205	6080	6060	5995		As/Pac/PapMG		03/14/87
1230	1300	Austria	ORF	15320	11915	6155		ENA/Aus/As/Eu						05/31/87
1230	1315	German Dem Rep	R Berlin Int'l	21540	21465	17880		SE As						05/09/87
1250	1700	Jordan	R Jordan	9560										02/01/87
1230	1300	Sweden	R Sweden	15430	11960			S As/E As						06/29/87

1230	1300	Turkey	15145	SE As	09/22/87
1235	1243	Greece	15630 11645	NA	03/08/87
1300	1400	Australia	9580 7205 6080 6060 5995	As/Pac/PapMG	03/14/87
1300	1600	Canada	15440 11855	NA/Carib	09/07/87
1300	1400	China	9730 9550	WNA	07/20/87
1300	1325	Finland	15400 11945	NA	04/04/87
1300	1330	Norway	17775 15310 9590 6040	NA/CA/Eu/AFr	08/28/87
1300	1615	Pakistan	15605 11615 9785 9465	NE	09/06/87
1300	1330	Romania	15250 11940 9690	Eu	08/07/86
1300	1400	South Africa	21590 17825 11900 9585	AFr/NE/UK/Ireland	09/04/87
1300	1400	South Korea	15575 9750 9570	Am/SE As	04/21/87
1300	1500	USA	21700 11790	Eu/CA/SA	09/04/87
1310	1327	Switzerland	21695 17830 15585 15570 11955	S & SE As	08/24/87
1330	1355	Belgium	17600 15590	NA/SE As	09/22/87
1330	1500	India	15335 11810 9545	60S/SE As	04/17/87
1330	1400	Switzerland	21695 17830 15585 15570 11955	E Afr/India/Aus/NZ	08/18/87
1330	1400	United Arab Emirates	21605 17865 15435	Eu/AFr	09/13/87
1330	1335	USSR	11785 9715 9600 7375 7275	As	09/07/87
1400	1430	Albania	11985 9500	As/Aus	12/24/86
1400	1430	Australia	9580 7135 6080 5995	As/Pac/PapMG	03/14/87
1400	1500	Austria	12015 11855	E As	04/26/87
1400	1425	Finland	15400 15185	NA/NE	04/04/87
1400	1500	Japan	11870 11815 5990	60S/As/Aa	08/30/87
1400	1430	Norway	15310 15300 15745 11860 9530	NA/NE/S As/Aus	06/28/87
1400	1500	South Africa	21590 17825 11900 9585	AFr/NE/UK/Ireland	09/04/87
1400	1430	Sweden	15345 11785	NA	02/09/87
1400	1600	USA	17640	SAC Afr	09/04/87
1400	1500	USA	11965	105 deg i tentative	05/09/87
1415	1500	German Dem Rep	17880 15240	Sun	04/26/87
1430	1500	Australia	9580 7205 6080 6060 5995	SE As	03/14/87
1430	1500	Bulgaria	15310 11840 11735	As/Pac/PapMG	06/04/87
1430	1457	Czechoslovakia	21505 17730 15155 15110 13715 11685 9605	Afr	08/04/87
1430	1615	Guam	9780	S&E As/Fac	05/15/87
1430	1500	Hungary	17780 15160 11910 9835 9585	India	06/31/87
1430	1525	Netherlands	17575 15560 13770 11735 5955	As	04/18/87
1445	1500	Canada	17620 15325 15160 11935 11915 9555	S&E As/Eu	09/19/86
1445	1530	German Dem Rep	17755 15255 11890	E Eu	09/07/87
1500	1530	Australia	9580 7215 7205 6080 6060 5995	W Afr/NE	05/09/87
1500	1700	Costa Rica	15460	As/Pac/PapMG	03/14/87
1500	1556	Fed Rep Germany	21600 17765 9735 7225	LA	06/14/87
1500	1600	Japan	21700 11815 5990	S&E Afr	06/12/87
				60S/As/Aa/EU/NE	06/30/87
					21700 Gabon relay

1500	1530	Philippines	R Veritas Asia	15215	9770		A5	08/29/87			
1500	1530	Romania	R Bucharest	15335	15250	11940	11775	9690	9510	As	05/23/87
1500	1556	South Africa	Radio RSA	21590	17825	11900	9585			Afr/ME/UK/Ireland	09/04/87
1500	1600	South Korea	R Korea	9870	5975					ME/Afr/6DS	04/21/87
1500	1700	USA	MARI	21700	15105					Eu/CW/SA	09/04/87
1500	1700	USA	WRNO	11565							04/04/87
1510	1527	Switzerland	Int'l Com Red Cross	17830	15430	11840	9885			Near East & E Afr	9/28 & 10/1-26-29
1515	1600	German Dem Rep	R Berlin Int'l	9730	7295	6115				Eu	08/24/87
1515	1530	Hungary	R Budapest	11910	9835	9585	7225	6110		Eu	04/26/87
1530	1600	Albania	R Tirana	11835	9480					Tue & Fri	09/22/87
1530	1900	Australia	R Australia	9580	7215	7205	6060	6035	5995	Afr	12/24/86
1530	1600	Austria	DRF	12015	9610	6155	6000			As/Pac/PapMG	03/14/87
1530	1625	Czechoslovakia	R Prague	21505	17730	15155	15110	13715	11990	S As/Eu	08/29/87
1530	1600	Switzerland	R Swiss Int'l	17830	15430	11840	9885			11th freq 6055	05/17/87
1530	1630	Taiwan	V of Asia	7445	5980					ME/E Afr	05/09/87
1540	1548	Greece	V of Greece	17565	15630	11645				SE As	07/20/87
1550	1930	South Africa	R Orange	3215						MA	11/15/86
1555	2130	South Africa	R Suid Africa	3955						Regional	01/18/87
1555	2200	South Africa	Radio 5	4880						Regional	01/18/87
1600	1655	France	R France Int'l	17795	17620	11705	6175			Afr/ME/W Eu	01/18/87
1600	1700	Guam	KSDA	9830						11705 Gabon relay	05/09/87
1600	1630	Norway	R Norway	11865	11860	9730	7265			Eng Sun only	09/24/87
1600	1630	Portugal	R Portugal	15245						ME/E Afr/S As/MHA	08/28/87
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720						ME	03/16/87
1600	1630	Sweden	R Sweden	11705	6065					best later in season	07/20/86
1600	1640	United Arab Emirates	R Dubai	17865	15320	11730				S As/Eu	08/29/87
1600	1800	USA	MCSN	15225						Eu/Afr	09/13/87
1610	1650	Fed Rep Germany	R Deutsche Welle	17875	15105	11820	11775	7200	6170	M Eu	09/04/87
1615	1630	Pakistan	R Pakistan	15605	11625	11615	9785	9465		45 deg	09/22/87
1630	1655	Belgium	BRT	21810	17610					ME/EAS Afr	09/06/87
1630	1830	Egypt	R Cairo	15255						Afr	09/22/87
1630	1725	Netherlands	R Nederland	15570	6020					S Afr	08/17/87
1630	1900	Pakistan	R Pakistan	11570	7100					StE Afr	08/28/87
1645	1730	German Dem Rep	R Berlin Int'l	9730	7260	6115				Eu	08/28/87
1659	2000	USA	KCB1	11735						World Service	04/09/87
1700	1730	Hungary	R Budapest	11910	9835	9585	7225	6110		Sat & Sun only	07/25/87
1700	1730	Japan	R Japan	11815	5990					Eu	09/22/87
1700	1730	Norway	R Norway	15310	15230	11850	9655			60S/As/Ae	08/30/87
1700	1800	South Korea	R Korea	15575						MA/Afr/Eu/ME	08/28/87
1700	1730	Switzerland	Int'l Com Red Cross	15105						Eng Sun only	04/21/87
1700	1900	USA	MARI	21700	15105					Eu	9/28 & 10/26/87
1700	2100	USA	WRNO	15420						Eu/CW/SA	09/04/87
											05/09/87

9/28 & 10/1-26-29

1710	1727	Switzerland	Int '1	Comex Red Cross	17830	15525	15430	11955	9885	Afr	08/24/87
1715	1800	German Dem Rep	R Berlin Int '1		15170	15145	9665			C&E Afr	05/09/87
1730	1825	Argentina	R&E		15345					Eu/Afr/ME	05/14/87
1730	1800	Bulgaria	R Sofia		15310	11840	11735			Afr	08/04/87
1730	1825	Czechoslovakia	R Prague		15110	13715	11990	11685	9605	Afr/As	05/17/87
1730	1800	Romania	R Bucharest		15340	15270	11940	11790	9640	Afr	05/12/87
1745	2115	New Zealand	R New Zealand Int '1		15150	11780				Pac	09/13/87
1800	1850	Brazil	R Bras		15265					Eu	08/29/87
1800	1830	Canada	R Canada Int '1		17820	15260				Afr	09/30/86
1800	1827	Czechoslovakia	R Prague		7345	5930				Eu	09/08/87
1800	0100	Dominican Republic	R Discovery		15045						
1800	1850	Fed Rep Germany	R Deutsche Welle		11785	9745	7285			SAC&E Afr	04/04/87
1800	2000	India	AIR		15360	11940				60S/E Afr	04/17/87
1800	1815	Israel	Kol Israel		13750	11585	9855	9460		Eu	09/06/87
1800	2100	Kuwait	R Kuwait		11665					Eu/NA/Aus/NZ	08/22/87
1800	2000	USA	WCSN		21515					S&C Afr	09/04/87
1800	1830	USSR	R Kiev		9710	9560	7330	7150		Eu	06/06/87
1805	1900	Austria	ORF		12015	11825	6155	6000	5945	ME/E&S Afr/Eu	05/31/87
1815	1900	German Dem Rep	R Berlin Int '1		6115	6080				Eu	04/09/87
1830	1900	Albania	R Tirana		9480	7065				Eu	12/24/86
1830	1900	Austria	ORF		12015	11825	6155	6000	5945	ME/E&S Afr/Eu	05/31/87
1830	1855	Belgium	BRT		11695	6035				Eu	09/22/87
1830	1955	Cuba	R Sofia		11720	9700	7115			W Eu	04/12/87
1830	1855	Finland	R Helsinki		11795					Eu	08/22/86
1830	1925	Netherlands	R Rotterdam		11755	9610				Eu	04/04/87
1830	1930	Spain	R Madrid		21685	17605	9540	6020		Afr/Eu	09/19/86
1830	1900	Sweden	Sp Foreign Radio		15395	15375	9785	7275		Afr/ME/Eu	09/01/87
1830	1900	Switzerland	R Swiss Int '1		15240					Eu/Afr	06/29/87
1845	1930	German Dem Rep	R Berlin Int '1		11955	9885				Afr	05/09/87
1845	1945	India	AIR		15170	11750	9665			C Afr	05/09/87
1859	1930	Canada	R Canada Int '1		11620	9910	7412			60S/W Eu	04/17/87
1900	1930	Afghanistan	R Afghanistan		17875	15325	11945	7285	5995	W Eu	03/29/87
1900	2000	Algeria	R Algiers		9665					Eu	07/20/87
1900	2000	Australia	R Australia		9509					As/Pac/Pap&S	08/16/87
1900	1930	Canada	R Canada Int '1		9580	7215	7205	6080	6035	Afr	03/14/87
1900	1950	China	R Beijing		17820	15260				Eu	09/30/86
1900	1957	Czechoslovakia	R Prague		11500	9850				Eu	05/25/87
1900	2000	Ecuador	HCB		7345	5930				Eu	09/08/87
1900	1930	Japan	R Japan		17790	15270				Eu	04/22/87
1900	1930	Norway	R Norway		11705					60S/Americas	02/22/87
1900	1930	Norway	R Norway		15225	11850	9590			Eng/CA/Eu/Afr	08/28/87
1900	1930	Portugal	R Portugal		15250	11915				Afr	06/03/87

M-F ; 41/49m v UK

Mon-Fri

Eng Sun only
Mon-Fri

1906	2100	USA	MHR1	17830	11980	Eu/CA/SA	09/04/87
1920	1930	Greece	V of Greece	11645	9425	Eu	09/07/87
1930	2025	Iran	R Tehran	9765	9022	Eu/W Afr/ME/As/ENA	02/05/87
1930	2025	Romania	R Bucharest	11940	9750	Eu	05/19/87
1930	0300	South Africa	R Orion	3955	3215	Regional	01/18/87
1930	2030	South Korea	R Korea	15575	7550	Eu/ME/Afr	04/21/87
1935	1955	Italy	RAI	9170	7290	Great Britain	09/07/87
1945	2045	India	AIR	11855	11620	60S/W Eu/Afr	04/17/87
2000	2030	Australia	R Australia	9620	9580	AS/Pac/PapMG	03/14/87
2000	2030	Canada	R Canada Int'l	17875	17820	W Eu	08/29/87
2000	2200	Iraq	R Baghdad	9875		Eu	06/19/87
2000	2030	Israel	Kol Israel	11655	11610	WA/Eu/Afr	09/06/87
2000	2030	Norway	R Norway	15225	9655	SA/NZ/Eu	08/28/87
2000	2030	Sweden	R Sweden	9655	6065	Eu/Afr	04/21/87
2000	2050	Turkey	V of Turkey	7215		Eu	07/21/87
2000	2400	USA	KVDH	17775		Eu	08/16/87
2005	2105	Syria	R Damascus	12085	11625	S Eu	09/04/87
2015	2145	Egypt	R Cairo	9670		Eu	08/28/87
2025	2045	Italy	RAI	11800	9575	Eu	08/17/87
2030	2100	Albania	R Tirana	11835	9480	Near East	07/20/87
2030	2100	Australia	R Australia	9620	9580	Afr	12/24/86
2030	2100	Bulgaria	R Sofia	9700	7115	As/Pac/PapMG	03/14/87
2030	2200	Egypt	R Cairo	15375		Afr	04/12/87
2030	2125	Netherlands	R Nederland	11740	9895	W Afr	08/17/87
2030	2100	Portugal	R Portugal	11795	9740	W Afr	09/19/86
2030	2130	Spain	Sp Foreign Radio	9765	7275	Eu	03/16/87
2045	2130	Serean Dea Rep	R Berlin Int'l	6125	5965	Eu	04/11/87
2100	2230	India	AIR	11715	11620	ENA/Eu	04/09/87
2100	2130	Australia	R Australia	15395	15240	60S/W Eu/Aus/NZ	03/28/87
2100	2200	Canada	R Canada Int'l	15325	11945	As/Pac/PapMG	03/14/87
2100	2150	China	R Beijing	11500	9850	W Eu	08/29/87
2100	2150	Fed Rep Germany	R Deutsche Welle	9765	9650	Eu	05/25/87
2100	2125	Finland	R Finland	15400	11945	Aus/As	04/04/87
2100	2200	Guam	KSDA	11945		SA/Eu/Aus/E As	04/04/87
2100	2130	Hungary	R Budapest	11910	9835	India, Malay, Phil	09/24/87
2100	2130	Japan	R Japan	17755	15195	Eu	09/22/87
2100	2230	Libya	R Jaahiriya	7245		60S/As/SA/OC	04/22/87
2100	2130	Romania	R Bucharest	11940	9750	Eu	05/19/87
2100	2156	South Africa	Radio RSA	11900	9585	W/C Afr/UK/Ireland	09/04/87
2100	2200	South Africa	Radio SNA	3295		Eu	06/03/87
2100	2130	Sweden	R Sweden	11845	6065	Eu/Afr	04/04/87

2100	2130	Switzerland	R Swiss Int'l	15570	12035	9865	Afr	05/09/87						
2100	2300	USA	WHR	17830	9770		Eu/CA/SA	05/04/87						
2100	2230	USA	WRND	11705				05/24/86						
2105	2205	Syria	R Damascus	12085	11625		Mt/Aus	05/22/87						
2130	2200	Australia	R Australia	15395	15240	15160	As/Pac/PapMG	03/14/87						
2130	2200	Austria	ORF	11720	9655	6000	W Afr/Eu	08/29/87						
2130	2230	Bulgaria	R Sofia	11720	9700		Mt	08/04/87						
2130	2200	Canada	R Canada Int'l	17820	15150	11835	Afr	06/29/87						
2130	2200	Ecuador	HCJB	17790	15270		Eu	04/22/87						
2130	2200	USSR	R Vilnius	6100				05/31/87						
2200	2300	Argentina	RAE	11710	9690		Americas	06/25/87						
2206	2400	Australia	R Australia	17795	15395	15320	As/Pac/PapMG	03/14/87						
2200	2225	Belgium	BRT	9675	6635		Mt/Eu	05/27/87						
2200	2230	Czechoslovakia	R Prague	6055			Eu	05/14/87						
2200	2245	German Dem Rep	R Berlin Int'l	7295	6165	6125	EMt/Eu	08/17/87						
2200	2225	Italy	RAI	11800	9710		Japan	07/20/87						
2200	2230	Norway	R Norway	9610	9585		SA	06/28/87						
2200	2300	Taiwan	V of Free China	11900	15370	9955	Eu/AusNZ	09/06/87						
2200	2250	Turkey	V of Turkey	9560	7135		Mt/Eu	09/22/87						
2200	2400	USA	WCSN	9465			W Afr	09/04/87						
2200	0300	USSR	R Moscow	15420	13600	12050	9660	9760	9530	7150	7115	EMt	add'l freqs in use	04/22/87
2200	2230	USSR	R Vilnius	15180	13645	11790	9640	7260						09/24/87
2213	2230	Yugoslavia	R Yugoslavia	9620	7240	6100								09/25/87
2230	2300	Albania	R Tirana	9480	7065									12/24/86
2230	2300	Israel	Vol Israel	11655	11610	9435	9010	7465						09/06/87
2230	2330	Malta	R Mediterranean	6110										03/28/87
2230	2300	Poland	R Poland	7270	7125	6135	5995							06/07/86
2230	2330	South Korea	R Korea	15575										07/21/87
2230	0000	USA	WRNO	9495										08/22/87
2259	0030	Canada	R Canada Int'l	9755	5960									03/14/87
2300	0000	Bulgaria	R Sofia	11720	9700									08/04/87
2300	2330	Canada	P Canada Int'l	11730	9755									08/29/87
2300	2345	German Dem Rep	R Berlin Int'l	9730	6080									08/17/87
2300	2400	Japan	R Japan	15300	15280	15195	11800	9695						04/22/87
2300	0145	Luxembourg	R Luxembourg	6090										08/06/87
2300	2350	North Korea	R Pyongyang	13660	11785									04/17/87
2300	2330	Sweden	R Sweden	11705	9695									02/09/87
2300	0100	USA	WHR	11770	9850									09/04/87
2330	0000	Albania	R Tirana	9760	7065									12/24/86
2330	0000	USSR	R Kiev	13645	11875	11790	9800	9640	7260					06/06/87
2335	2345	Greece	V of Greece	11645	9395									08/03/87
2345	0030	German Dem Rep	R Berlin Int'l	9730	6080									08/17/87
2345	0145	New Zealand	R New Zealand Int'l	17705	15150									09/13/87
2345	2400	South Korea	R Korea	15575										06/27/87

All Records Included

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas K. Sundstrom, W218

09/25/87

Shortwave DX Program	Show Time	Start Time	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
SM Digest	0005	0000	Canada	R Canada Int'l	9755	5960						NA		03/14/87
Radio World	0045	0030	Belgium	BRT	9925	5910						SA/NA		09/22/87
SM Merry-Go-Round	0226	0200	Switzerland	R Swiss Int'l	12035	9885	9725	6135				NA		05/16/86
DX Party Line	0230	0200	Ecuador	HCJB	11775	9875	6205					NA		05/03/86
Talkback	0310	0300	Australia	R Australia	17795	17750	17715	15395	15320	15240	15160	As/Pac/PapNG/Afr		10/13/86
DX Corner	0315	0300	South Africa	Radio RSA	7275	6120	5980	3230				Afr		09/20/86
SM Merry-Go-Round	0420	0400	Switzerland	R Swiss Int'l	12035	9885	9725	6135				NA		05/16/86
DX Party Line	0630	0500	Ecuador	HCJB	11775	9875	6205					Americas		05/03/86
DX Corner	0650	0630	South Africa	Radio RSA	17875	15125	11900	7295				SA Afr/UK/Ireland		09/28/86
Talkback	0710	0700	Australia	R Australia	17750	17715	15395	15240	15160	9655	5995	As/Pac/PapNG		09/22/86
AMR DX Program	0815	0800	Portugal	AMR Europe	9670							Eu		08/28/87
Pacific DX Magazine	0846	0805	Guam	KTHR	11805							Japan		08/31/87
Shortwave Panorama	0905	0900	Austria	ORF	11915	6155	6000					Eu		09/13/86
Talkback	0910	0900	Australia	R Australia	15415	9710	9655	9580				As/Pac/PapNG		06/01/86
DX Corner	0929	0900	Japan	R Japan	17810	15235	11840					60S/As/Dc		05/09/87
DX Corner	1129	1100	Japan	R Japan	17810	6120	5990					60S/Asia/NA		05/09/87
DX Programme	1200	1200	USSR	R Tashkent	11785	9715	9600	7325	7275			As		10/16/86
Shortwave Panorama	1233	1230	Austria	ORF	15320	11915	6155					EMA/Aus/As/Eu		05/09/87
Talkback	1240	1230	Australia	R Australia	9770	9580	7215	7205	6080	6060	5995	As/Pac/PapNG	Su after 2nd Sat/ao	03/14/87
Shortwave Panorama	1430	1400	Austria	ORF	12015	11855						E As		09/28/86
World of Radio	1600	1400	USA	WRNO	11965									08/16/87
Talkback	1710	1530	Australia	R Australia	9580	7215	7205	6080	6060	6035	5995	As/Pac/PapNG		10/13/86
World of Radio	1730	1655	USA	KCBI	11735									04/04/87
Shortwave Panorama	1805	1805	Austria	ORF	12015	11825	6155	6000	5945			ME/EKS Afr/Eu		09/28/86
DX Show & Mailbag	1815	1800	USSR	R Kiev	9710	9560	7330	7150				Eu		08/23/87
DX Spot	1850	1830	Spain	Sp Foreign Radio	15395	15375	9765	7275				Afr/ME/Eu		05/31/87
DX Corner	2020	2000	Israel	Kol Israel	11655	11610	9435	9010	7465			NA/Eu/Afr		09/04/87

Talkback	2040	Australia	R Australia	9620	9580	As/Pac/PapMB	07/20/86
DI Spot	2050	Spain	Sp Foreign Radio	9765	7275	Eu	04/11/87
DI Corner	2140	South Africa	Radio RSA	11900	9585 7295	MUc Afr/UK/Ireland	08/07/86
R Sofia Calling	2215	Bulgaria	R Sofia	11720	9700	NA	04/12/87
DI Corner	2250	Israel	kol Israel	11655	11610 9435 9010 7465	NA/Eu/LA	09/04/87
SWL Digest	2305	Canada	R Canada Int '1	11730	9755	Carib	05/31/86
SW Feedback's DX Cor	2325	South Korea	R Korea	15575		As	09/06/87
DI Corner	2329	Japan	R Japan	15300	15280 15195 11800 9695	60S/As/OC/Afr/Eu/ME	05/09/87
DI Show & Mailbag	2340	USSR	R Kiev	13645	11875 11790 9800 9640 7260	NA	04/05/87
R Sofia Calling	2345	Bulgaria	R Sofia	11720	9700	NA/W Eu	04/12/87
** DAY OF THE WEEK: Monday							
DI Corner	0020	Israel	kol Israel	9855	9435 7465	NA	04/04/87
DI Spot	0020	Spain	Sp Foreign Radio	9630		NA	01/11/87
Radio World	0045	Belgium	BRT	9925	5910	SA/NA	09/22/87
DI Corner	0120	Israel	kol Israel	9855	9435 7465	NA	04/04/87
DI Spot	0120	Spain	Sp Foreign Radio	9630		NA	01/11/87
DI Show & Mailbag	0215	USSR	R Kiev	13645	11875 11790 9800 9640 7260	NA	06/23/87
DI Corner	0220	Israel	kol Israel	9855	9435 7465	NA	09/04/87
DI Corner	0240	South Africa	Radio RSA	11730	9615 6010	NA	09/07/86
DI Corner	0329	Japan	R Japan	21550	17845 17810 5960	60S/Asia/NA	05/09/87
R Sofia Calling	0345	Bulgaria	R Sofia	11840	11735 9560 7115	Afr/NA	04/12/87
Shortwave Panorama	0435	Austria	ORF	11805	6000	ME/WNA/Eu	05/19/86
Radio World	0815	Belgium	BRT	21810	9860	SE As/Aus	09/22/87
DI Party Line	0930	Ecuador	HCJB	11925	9745 6130	S Pac	05/03/86
Radio World	1015	Belgium	BRT	21810	17610	Afr	09/22/87
DI Party Line	1206	Ecuador	HCJB	6075		Far/E/Jap	05/14/87
DI Corner	1315	South Africa	Radio RSA	21590	17825 11900 9585	Afr/ME/UK/Ireland	02/09/87
Radio World	1345	Belgium	BRT	17600	15590	NA/SE As	09/22/87
RBI DX Club	2105	German Dem Rep	R Berlin Int '1	6125	5965	Eu	08/17/87
DI Party Line	2130	Ecuador	HCJB	17790	15270	Eu	05/03/86
RBI DX Club	2220	German Dem Rep	R Berlin Int '1	7295	6165 6125 6070 5965	ENA/Eu	08/17/87
DX Program	2250	USSR	R Moscow	15420	13600 12050 9860 9760 9530	ENA	04/22/87
RBI DX Club	2320	German Dem Rep	R Berlin Int '1	9730	6080	ENA	08/17/87

** DAY OF THE WEEK: Tuesday

RBI DI Club	0005	2345	German Dem Rep	R Berlin Int'l	9730	6080			EMA	08/17/87
DI Program	0050	2200	USSR	R Moscow	15420	13600	12050	9860	9760	9530
RBI DI Club	0135	0115	German Dem Rep	R Berlin Int'l	9730	6080			EMA	04/22/87
RBI DI Club	0220	0200	German Dem Rep	R Berlin Int'l	9560	6010			EMA	08/17/87
DI Party Line	0230	0200	Ecuador	HCJB	11775	9875	6205		MA	05/03/86
DI Program	0250	2200	USSR	R Moscow	15420	13600	12050	9860	9760	9530
SW Merry-Go-Round	0305	0258	USA	MHR1	7355				Eu/CA/SA	04/22/87
Sweden Calling Diers	0310	0258	USA	MHR1	7355				Eu/CA/SA	08/16/87
RBI DI Club	0350	0330	German Dem Rep	R Berlin Int'l	9560	6010			MA	08/17/87
DI Program	0350	0300	USSR	R Moscow	13640	12050	11770	9680	7170	04/22/87
DI Program	0550	0300	USSR	R Moscow	13640	12050	11770	9680	7170	04/22/87
DI Party Line	0630	0500	Ecuador	HCJB	11775	9875	6205		Americas	05/03/86
Sweden Calling Diers	1410	1400	Sweden	R Sweden	15345	11785			MA	12/23/86
SW Club	1517	1515	Hungary	R Budapest	11910	9835	9585	7275	6110	09/22/87
Sweden Calling Diers	2010	2000	Sweden	R Sweden	9655	6065			Eu/Afr	05/19/87
Sweden Calling Diers	2110	2100	Sweden	R Sweden	11845	6065			Eu/Afr	05/19/87
Sweden Calling Diers	2310	2300	Sweden	R Sweden	11705	9695			MA	05/13/86

** DAY OF THE WEEK: Wednesday

Sweden Calling Diers	0240	0230	Sweden	R Sweden	9695				MA	06/17/87
SW Club	0302	0300	Hungary	R Budapest	11910	9835	9585	9520	6110	6025
DI Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130		S Pac	08/25/86
DI Party Line	1206	1158	Ecuador	HCJB	6075				FarE/Jap	05/14/87
DI Party Line	2130	2130	Ecuador	HCJB	17790	15270			Eu	06/25/86

** DAY OF THE WEEK: Thursday

DI Party Line	0230	0200	Ecuador	HCJB	11775	9875	6205		MA	08/25/86
DI Party Line	0630	0500	Ecuador	HCJB	11775	9875	6205		Americas	08/25/86
Media Network	1150	1130	Netherlands	R Netherland	21480	17605	17575	15560	9715	5955
DI Corner	1315	1300	South Africa	Radio RSA	21590	17825	11900	9385		Afr/NE/W/Ireland
Media Network	1450	1430	Netherlands	R Netherland	17575	15560	13770	11735	5955	SE As/Eu
Media Network	1650	1630	Netherlands	R Netherland	15570	6020			SE Afr	09/04/86
Dier's Special	1800	1730	Argentina	RAE	15345				Eu/Afr/NE	05/14/87
Media Network	1850	1830	Netherlands	R Netherland	21685	17605	9540	6020	Afr/Eu	08/22/86
Media Network	2050	2030	Netherlands	R Netherland	11740	9895	9715	9540	W Afr	08/22/86
Dier's Special	2230	2200	Argentina	RAE	11710	9690			Americas	05/14/87

** DAY OF THE WEEK: Friday		0200	0000	USA	WRND	7355	11710	9690	Americas	07/18/87
World of Radio	Dier's Special	0230	0200	Argentina	RBE	11710	9690	ENR	05/14/87	
Media Network	Dier's Special	0430	0400	Argentina	RBE	11710	9690	ENR	05/30/86	
Media Network	Pacific DI Magazine	0940	0930	Swab	KTWR	11805	6165	ENR	12/25/86	
SM Club	R Sofia Calling	2045	2030	Bulgaria	R Sofia	9700	7115	ENR	11/21/86	
R Sofia Calling	World of Radio	0300	0300	USA	WRND	6185	11910	ENR	08/31/87	
	SM Club	0302	0300	Hungary	R Budapest	11720	9700	ENR	09/22/87	
	R Sofia Calling	0645	0630	Bulgaria	R Sofia	11925	9745	ENR	04/12/87	
	DI Party Line	0930	0700	Ecuador	HCJB	17830	15585	ENR	05/03/86	
	SM Merry-Go-Round	1115	1100	Switzerland	R Swiss Int'l	17830	15585	ENR	09/06/86	
	DI Party Line	1206	1158	Ecuador	HCJB	6075	11785	ENR	05/14/87	
	DI Programme	1330	1330	USSR	R Tashkent	17600	15590	ENR	10/16/86	
	Radio World	1345	1330	Belgium	BRT	21695	17830	ENR	01/24/87	
	SM Merry-Go-Round	1345	1330	Switzerland	P Swiss Int'l	17695	15570	ENR	09/04/86	
	Pacific DI Magazine	1445	1430	Guam	KTWR	9780	17830	ENR	08/31/87	
	SM Merry-Go-Round	1545	1530	Switzerland	R Swiss Int'l	17830	15430	ENR	05/24/86	
	Radio World	1645	1630	Belgium	BRT	21810	17610	ENR	01/24/87	
	Radio World	1845	1830	Belgium	BRT	11695	6035	ENR	09/22/87	
	SM Digest	2005	2000	Canada	R Canada Int'l	17875	17820	ENR	03/29/87	
	DI Radio Tips	2030	2000	Turkey	V of Turkey	7215	15570	ENR	04/14/87	
	SM Merry-Go-Round	2115	2100	Switzerland	R Swiss Int'l	15570	12035	ENR	05/24/86	
	DI Party Line	2130	2130	Ecuador	HCJB	17790	15270	ENR	05/03/86	
	SM Digest	2135	2130	Canada	R Canada Int'l	17820	15150	ENR	10/13/86	
	Radio World	2215	2200	Belgium	BRT	9675	6035	ENR	09/22/87	
	DI Radio Tips	2230	2200	Turkey	V of Turkey	9560	7135	ENR	04/14/87	
	World of Radio	2330	2230	USA	WRND	9495		ENR	03/26/87	

** DAY OF THE WEEK: Saturday		0300	0300	USA	WRND	6185 <th>11910 <th>9835 <th>9585 <th>9520 <th>6110 <th>6025</th> </th></th></th></th></th>	11910 <th>9835 <th>9585 <th>9520 <th>6110 <th>6025</th> </th></th></th></th>	9835 <th>9585 <th>9520 <th>6110 <th>6025</th> </th></th></th>	9585 <th>9520 <th>6110 <th>6025</th> </th></th>	9520 <th>6110 <th>6025</th> </th>	6110 <th>6025</th>	6025
World of Radio	SM Club	0302	0300	Hungary	R Budapest	11720	9700	11925	9745	6130	17830	15585
R Sofia Calling	DI Party Line	0930	0700	Ecuador	HCJB	17830	15585	15570	11935	6075	11785	9715
SM Merry-Go-Round	DI Party Line	1206	1158	Ecuador	HCJB	6075	11785	9715	9600	7375	7275	
DI Programme	Radio World	1345	1330	Belgium	BRT	17600	15590	21695	17830	15585	15570	11955
SM Merry-Go-Round	Pacific DI Magazine	1445	1430	Guam	KTWR	9780	17830	15430	11840	9885	21810	17610
Radio World	SM Merry-Go-Round	1545	1530	Switzerland	R Swiss Int'l	17830	15430	11840	9885	21810	17610	11695
Radio World	SM Digest	2005	2000	Canada	R Canada Int'l	17875	17820	15325	11945	7130	5995	
SM Digest	DI Radio Tips	2030	2000	Turkey	V of Turkey	7215	15570	12035	9885			
SM Merry-Go-Round	DI Party Line	2130	2130	Ecuador	HCJB	17790	15270	17820	15150	11835	9675	6035
SM Digest	Radio World	2215	2200	Belgium	BRT	9675	6035	9560	7135			
DI Radio Tips	World of Radio	2330	2230	USA	WRND	9495						

1st of weekend series

2nd Sat of month

Biweekly

Biweekly



Ontario DX Association
P.O. Box 161, Station A
Willowdale, Ontario
M2N 5S8 Canada

PHOTOGRAPHS AND CASSETTE RECORDINGS OF ANARCON'87 AVAILABLE

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4. Opening Ceremonies by Ron Hopkins, 50 Years of DXing by Tom Williamson
5. Mediumwave DX Seminar with Werner Funkenhauser, Don Moman, Alain Pepin and George Hakiel
6. Club Forum with club representatives
7. Aeronautical Communications DXing by Bob Evans
8. Equipment Manufacturers-Dealers Forum
9. Antenna Seminar by Tony Ward
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<<<<>>>>

Send your order to the Ontario DX Association, at the address above. Please make checks and money orders (in either US or Canadian dollars) payable to ANARC Convention Committee.

Preserve the memories!

VE3SRE

The Ontario DX Association is pleased to announce that it now has its own amateur radio licence. ODXA's call-sign is VE3SRE for (Shortwave Radio Enthusiasts). Licence arrangements were made by Stephen Canney, VE3FQ. The club's amateur radio activities will be done through Steve's own station. VE3SRE has already been active on 20 and 40 meters. Plans are in the works to produce a special VE3SRE/ODXA qsl card which will be sent to anyone hearing or working the station.

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