

FRIENDX

VERIFICATION CARD

Dear
 This is to verify your report dated language broadcast
 on our KHz
 on a frequency of
 Thanks for listening.



Radio Thailand

Radio Thailand broadcasts its External Service daily, by short-wave on 9.655 and 11.905 MHz or 25.20 and 31.07 metre bands. The programme is simultaneously relayed on FM 97 MHz and AM 927 KHz for local reception.

TIME : GMT
 23.00 - 4.30
 4.30 - 5.00
 5.00 - 6.00
 9.15 - 10.00
 10.00 - 11.00

TIME : LOCAL
 6.00 - 11.30
 11.30 - 12.00
 12.00 - 12.30

LANGUAGE
 English

Thailand has an extensive radio service broadcasting news and feature programmes on 270 FM and AM radio stations throughout the country. Radio Thailand, which falls under the aegis of the Government Public Relations Department provides daily broadcasts through its World Service in nine foreign languages : English, French, Lao, Chinese (Mandarin), Vietnamese, Khmer, Malay, Japanese and Burmese. These daily broadcasts include news services, commentaries and feature programmes. There is also the Voice of Free Asia which broadcasts in Thai, English, Lao, Vietnamese and Khmer.



Radio Thailand



สวัสดีปีใหม่ ๒๕๓๑



ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS

P.O. Box 143
Falls Church, VA 22046-0143
USA

FOR IMMEDIATE RELEASE

New, Improved ANARC Computer BBS Now Open!

The new ANARC Computer bulletin-board system went online June 28th, according to system operator Kirk Baxter. The new telephone number is 309-688-0604. Open 24 hours a day, seven days a week, the system supports communications at 300 or 1200 baud, and uses standard transmission parameters (8-N-1). The BBS's mail address is: ANARC BBS, P.O. Box 3436, Peoria, IL 61614.

In addition to message and file areas maintained by ANARC, there are areas for the ANARC-affiliated clubs, for Radio Netherlands' "Media Network" program, the FidoNet's international SWL and Ham EchoConferences, and for public messages relating to shortwave, VHF and UHF monitoring. Electronic editions of radio publications are also available in the magazine section. The first four ANARC clubs to open message areas in this new electronic showcase are NASWA, SPEEDX, the Association of Clandestine radio Enthusiasts (A*C*E) and the Minnesota DX Club (MDXC). Others are expected to join them soon.

Each club has been asked to designate someone to act as their subsystem operator, to work with Kirk Baxter and our new Computer Information Committee Chairman, David Snyder, in adapting the system software to each club's needs, and to oversee their club's message and file areas. Among the subsysops named so far are: Kirk Baxter (A*C*E), Dave Hammer (Miami Valley DX Club), Dave Marshall (All-Ohio Scanner Club), Tom McElvy (NASWA), Al Sampson (MDXC), Harold Sellers (ODXA) and John Trautschold (SPEEDX). Subsysops also serve on our Computer Information Committee.

Aside from the areas open to the public, the ANARC BBS can support private (password-entry) message and file areas for use by each club's officers and/or newsletter editors. This will make it possible, for example, for editors to upload their columns to the publisher without the delay imposed by the US Post Service, or relay texts electronically to a club member with a desktop publishing system. It will also enable "round-robin" policy discussions to take place online, streamlining decision-making processes. These are just a few ways we expect the ANARC BBS to improve club operations, while giving the modem-using public more insight into what radio clubs offer.

< end >

August 1988



Greetings, and welcome to CONTACT for August. We in the northeast have been roasting (steaming is, perhaps, a better description) in unimaginably oppressive weather. I wish that I could report to you that, in spite of it all, I spent many happy hours with the R-71, listening to all sorts of fascinating programming from dozens of SW broadcasters. Fat chance. The early morning is usually cool enough to do some listening, and in that regard, I want to pass on a tip: Swiss Radio International on 13685 or 17830MHz. I listen in at 0830UTC and reception is usually pretty good.

Well, the masthead is here to stay. After a good deal of work, I think I have arrived at something I can live with. Comments and suggestions will be gladly accepted. Certainly, I hope that you like it, too. It was executed in FreeHand, a graphics program from Aldus Corporation. This month's column was laid out in PageMaker, also an Aldus product.

A major change that I would point out to you is my arrival on the E-Mail scene. You are invited, encouraged even, to forward your letters and thoughts to me via CompuServe or GENIE. I will be interested to see if this has an effect on the quantity of communications I receive for CONTACT.

Now on to something a little different. I throw the following out to you for your consideration and comment. A year or so ago, I gave my father a small SW radio: the Sony ICF-2002. He loves to listen to the radio, and used to listen (many years ago) to SW: he had an old Zenith TransOceanic—what a radio that was. In any event, the Sony proved an instant success. He is (as I am) fascinated with gadgets and the 2002 is certainly a gadget extraordinaire. I gave him a large list of frequencies (mostly for the BBC) which I update periodically. I was interested to see what his reactions would be to SW after so many years.

One of the first things he said to me was: "There's so much popular music! Why? You would think that everybody in the world could get more than enough of it on records, tapes and local radio. Why do SW broadcasters waste their time with it?" Now, my father has a distinct dislike for popular music, one I share to an extent and can understand. But the point of his question was not merely to express a dislike for popular music, but was an inquiry into why SW broadcasters seem to spend so much time promoting American culture—clearly the principal source of popular music for the world—as opposed to promoting their own cultures.

Think about it: it is in fact a little odd. Perhaps 95% of all popular music is either American, or heavily American-influenced. It is as close to being reasonably universal as just about any form of communication can be. Yet broadcasters use time on SW (both expensive and intended to carry the outlook of the generating country) to reinforce the universality of the popular music (i.e., predominantly American) cultural experience. Why? A good question, or so it seems to me. Any thoughts?

One final note—Last month I told you that the International Listening Guide had not made its appearance. Well, in the meantime it has, and in a somewhat changed format. The work has been split into two separate parts: the first is a listing-by-frequency that begins at 5MHz; the second part is a listing-by-time, and includes information on all broadcasters broadcasting in English, and a detailed listing of programs of interest to SWLs (very useful indeed). A highly recommended publication.

WRITE! Let's hear from you. This is, after all, your column. Good listening and many
best 73s—

A handwritten signature in dark ink, consisting of a large, stylized 'S' or 'D' shape followed by a horizontal line.



Easy Listening

Editor: Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607

SUNDAY

- 1405-1415 Touring RSA (Radio RSA). Travel impressions of South Africa with the prospective tourist in mind. Past programs have featured country hotels in South Africa, a game reserve, and a ghost town on the southwest Namibian coast. Frequency is 21.690.
- 2325-2330 Lithuanian By Radio (Radio Vilnius). One of the most intelligently done language programs on shortwave. There is adequate attention to Lithuanian grammar as well as catch phrases in Lithuanian translated into English. I do not know whether a textbook is available for the course, but the program is very well done. Frequencies are: 9.640 // 11.790 // 15.180 // 15.455.

MONDAY

- 0130-0145 Short Story (BBC). A good program of short stories sent in by listeners all over the world. Past stories have been about the ghost of a beggar who becomes reincarnated as the next door neighbor of the man who accidentally killed him, an undertaker who commits suicide, and a woman who finds out her married daughter is having an affair. If you wish to try our own luck with the BBC, stories should be around 2,000 words and never previously published. Frequencies are: 5.975 // 6.175 // 7.325 // 9.590.
- 0345-0350 Leafing through the Marxist/Leninist Press (Radio Tirana). This program was previously titled, "The Future of the Marxist/Leninist Movement Throughout the World is Growing in Scope and Strength," and I think Radio Tirana is to be commended for shortening it to a more manageable length. By Radio Tirana standards, the program is not bad, reading articles in the communist newspapers of such countries as France, Sweden, Brazil, England, and India, two to three articles per program. Check 7.065 // 9.760.

TUESDAY

- 2045-2100 Music Program (W.C.S.N.). Each day this program features a different musical group or genre, Mondays' programs usually being reserved for theatrical music. Past programs have featured blues groups, Woody Herman, The Carpenters, etc. Appeal is to all musical tastes. Check 15.390. Repeated at 2245 on 15.300 and 0045 on 9.850) Monday through Friday.
- 0125-0230 Youth Magazine (Radio Prague). A series of features with young people in mind. Past programs have featured a legendary giant in the Czech mountains, the Fair of St. Matthew in Prague, and a pop music group. Check 5.930 // 7.345 // 9.740 // 11.990. Repeated at 0325 on the same frequencies.

WEDNESDAY

- 0220-0230 Contemporary Brazil (Radiobras). Emphasis of this program is the political processes in Brazil, with the attention usually being given to the current debates in the Brazilian Constitutional Assembly. Frequency is 11.745.
- 0240-0255 Sun and Sea (Radio Portugal). Radio Portugal's tourist program which features different areas of interest in Portugal—such as the Extramadura or the Silver Coast— with attention to landmarks of interest, life style, and history of the area. Frequencies are: 6.060 // 9.635 // 9.705 // 9.680. Mondays and Wednesdays.

THURSDAY

- 1315-1330 "Arts Review (Radio Finland). Radio Finland's culture oriented program. Past programs have featured the Nordic Theater Festival, the 500th anniversary of printed books in Finland, and portraits of Finnish writers and artists. Check 15.400 // 11.945. Repeated at 1415 on the same frequencies.
- 2315-2325 "Letterbox (Radio Vilnius). Unlike "Mailbag" which airs on Sundays, "Letterbox" does not answer listener questions, but merely reads and comments on letters from an international listening audience, though predominantly North American and European. Frequencies are: 9.640 // 11.790 // 15.180 // 15.455.

FRIDAY

- 0030-0045 "Personal View (BBC). A wonderfully entertaining series of programs in which respected British citizens given their "personal view" on a variety of topics, such as secular humanism, British politics, the position of women in Britain in the 1980s, personal reminiscences of boyhood (or girlhood) memories, and the housing problem in England. Frequencies are: 5.975 // 6.175 // 7.325 // 9.590.
- 0235-0250 "Newsline (Radio Netherland's). Radio Netherlands' current affairs program which takes a more comprehensive look at a number of stories in the news, such as the Russian withdrawal from Afghanistan, the Moscow Summit, US efforts to oust Noriega, etc. Check 6.020 // 6.165 // 9.590 // 9.895. Repeated at 0535 on 6.165 // 9.715. Monday through Friday.

SATURDAY

- 2150-2200 "History Club (Radio Sofia). This Program only shows up on the first or second Saturday of the month and is devoted to Bulgarian history and historians. Check 9.700 // 11.720 // 11.950. Repeated at 0020 on the same frequencies and at 0320 on 11.750. First of second Saturday of the month.
- 2340-2400 "The Dialogue (Radio Kiev). This is Radio Kiev's listener contact program and is divided into three segments: the first answers listener questions, the second reviews listener comments, and the third answers questions again. Some programs are devoted exclusively to dialogue with Kiev's "sister city", Chicago, such as a telephone link-up between high school students in Kiev and Chicago or interviews with two members of Radio Kiev's staff who has spent a week in Chicago on a promotional tour. Frequencies are: 9.640 // 11.790 // 15.180 // 15.455. Repeated at 0210 on the same frequencies.

* * *

DX'ers Forum

Dedicated to Furthering the
Art, Science and Enjoyment
of DX'ing

Conducted by Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613

August, 1988



I've been looking for a German foreign language reception report guide for a long time, and I finally found one. It's the **EDXC Reporting Guide**, published by the European DX Council, the European

counterpart to ANARC. I read about the guide in the World DX Club's excellent *Contact* bulletin, and wrote to Michael Murray, Secretary General of the EDXC, for a copy. You can obtain one for \$3 (no foreign personal checks) or 6 IRC's. Besides containing a good overview of reception report writing and QSL'ing, the EDXC guide is one of the few to include German and Italian sample reports and DX vocabularies, as well as French, Spanish, and Portuguese. It's edited by well-known DX'er Anker Peterson, and is worth adding to your bookshelf. You can order it from:

European DX Council
P.O. Box 4
St. Ives Huntingdon
Cambs. PE17 4FE
ENGLAND

Michael also sent along information about several other EDXC publications and cassette tapes. The table on the right includes the publication list with prices. I don't have room to include the cassette tape list this month - they are recordings of speeches given at past EDXC Conferences. I'm sure Michael would be happy to send you the list for a couple of IRC's. These publications may be ordered from Michael at the above address.

Ever wonder how the WRTH determines a station's QSL policy? A letter from Andy Semmitt, editor of the WRTH, comments on this subject raised in the June *DX'ers Forum* article on QSL'ing. Andy writes:

..With regard to your comments about WRTH data on QSL policies, I would like to clarify our position. The wording of your article implies that the information in WRTH is supplied by the

stations themselves. In fact, although we do ask stations about their QSL policy as a matter of course, the information in the WRTH is now updated on an annual basis by DX'er Finn Krone, who is something of an expert in this field (my opinion, not his, hi). [Finn Krone just received the ANARC International DX'er of the Year award, so Andy's opinion is shared by a few others -ed.]

The way we do it is to have Finn go through as many DX bulletins as he can get his hands on, and note details of what club members have actually received. Because QSLing is often a slow business, information published in WRTH reflects the general situation over the previous two years. Any station not reported as verifying for more than two years is indicated as a non-verifier. Similarly, if return postage is indicated this is what DXers themselves have indicated in their QSL reports, and does not necessarily mean that the stations insist on it.

Of course, there will be errors and discrepancies. QSLing is not an exact science. But generally, you can take it that if a station is listed in WRTH as a verifier,

EUROPEAN DX COUNCIL PUBLICATIONS

Club List: Compiled annually each Spring, the EDXC Club list contains full and comprehensive information about all the Council's Full and Observer Members, together with details about all their publications, specialization and membership criteria.
UK, EUROPE & OVERSEAS: £0.75 or 3 IRC's

QSL Survey: This second edition of the successful EDXC QSL SURVEY examines the role of QSL's in the 1980's, looking at how they are regarded by international broadcasters. Find out how reports are used by broadcasters and engineers, and what is required from reporters.
UK & EUROPE: £0.50 or 2 IRC's
WORLDWIDE: £0.75 or 3 IRC's

Radio Landlist: The third edition of the Council's list of existing and former radio countries for use in conjunction with QSL ladders and DX diplomas. The LANDLIST is also useful for keeping a record of countries heard.
UK & EUROPE: £1.00 or 4 IRC's
WORLDWIDE: £1.50 or 6 IRC's

Euro DX: Published ten times each year, and available upon subscription, "EURO DX", the Journal of the European DX Council contains, on average, eight pages of information about the Council, together with reviews of articles appearing in member clubs' bulletins, station news and many other items of interest to today's shortwave listener and DX'er, including important and authoritative feature articles about all aspects of international broadcasting.
SAMPLE COPY: 3 IRC's worldwide.

someone somewhere has actually reported receiving a QSL. Where we say "No Rp.", this does not mean that no answer was received on this question from the station - it means exactly what it says!

I hope this clarifies the position of WRTH, and helps to reassure you regarding our sources of information. Of course, your input is very welcome - if you find info in WRTH which consistently conflicts with your own findings, please let us know. But always bear in mind that with staff changes, financial crises etc. affecting many stations in a given year, the QSL data in WRTH can at best be regarded as a guide, and not as a definitive source."

Thanks for writing to the Forum Andy. It's always useful to have a better understanding of what goes on behind the scenes. Perhaps Andy can shed some light on the Islamabad / Trankhel question discussed in last month's column. As an incidental benefit, we now know how the editor of the WRTH abbreviates "World Radio TV Handbook," which is just as often abbreviated WRTVH as WRTH!

This month I'm pleased to present an interview with not one, not two, but *all three* North American DX Champions. The annual North American DX Championship is sponsored by Numero Uno, an organization of senior DX'ers. The contest is open to all. The rules were published in the January *FRENDX*, and the contest period was from February 13-22 this year. Contestants DXed for 48 hours of their choice, continuous or not, out of that period. The object was to log and identify as many stations and countries as possible. The NASWA country list was used. The first station logged from a country was worth 5 points, and each additional station from the same country counted for 1 point.

This year's top three finishers were James Young of Wrightwood, CA, with 1040 points (including 182 countries!); Don Moore of Athens, OH, with 754 points; and Dr. Harold "Dr. DX" Cones of Newport News, VA, with 585 points. All three top finishers received trophies, and the top twenty contestants received certificates recognizing their participation.

Since there is not a lot written about contest DX'ing, I thought you might be interested in knowing how the top place finishers approached this challenge. I found it fascinating to see that once again the old saw held true about organization, knowledge and experience being more important than ultra-expensive equipment. Although Jim was aided by a mountain-top QTH, Don captured second place with a makeshift 45' antenna, and Harold took third with an indoor antenna. I hope that even more DX'ers will enter the contest next year, after seeing that it doesn't take a mile-long antenna and a super-expensive receiver to finish in the top ranks.

An Interview with the North American DX Champions

by Rowland Archer

Forum: Congratulations on your achievement gentlemen, the competition was extremely tough and you came out on top. Have you ever entered any other DX competitions or was this your first effort? If you've entered others before, how did you do?

Young:

NNRC - Amateur Bands Competition - very well (1960's - 1970's)

ISWL - SW Listener's contest - very well (1960's - 1970's)

NNRC - SW Contests - 1st and 2nd place (1980's)

Moore: This is actually the first time I've entered a DX contest. I would have entered last year's NADXC, but plans for a weekend DX'pedition during the contest fell through and I ended up skipping it.

Cones: I entered the Rhein-Main (Germany) Radio Club Tropical Band contest in 1987 and came in 5th. I usually don't have the extended time for contesting, so have not been very involved in this aspect of the hobby.

Forum: How did you prepare for the contest? What was your game plan?

Young: Spent 2 months specifically logging as many countries / stations for a 'game plan' during the actual event. Had a 24 hour schedule with frequencies / times every 15 minutes for as many actual ID's (verbal, IS, language) as possible.

Moore: I decided well in advance that although hearing DX stations was important, the key was being sure to log all the easier international broadcasters and their relays as well. At the beginning of January I went through the WRTH country by country making three station lists: ones I should have no problem hearing; ones I could possibly hear; and ones I would like to hear for the contest, but weren't very likely. The first category actually was the most work, because that was where most of the big broadcasters fell. Hearing stations like Radio Bucharest or Radio Finland isn't really difficult, but I hadn't tried to hear them for years and had no idea of which broadcasts and frequencies were the best bets. Using Passport to WBR, the WRTH and the English broadcast schedule in Monitoring Times, I checked out broadcasts for these stations until I found one that came in well at my location. It wasn't as hard for the remaining stations. Most of these were tropical band stations, which are only on one or two frequencies anyway. The time of day to hear these is more dependent on propagation than station schedules. Basically, going into the contest I had three lists, from most to least probable, of stations to try for, along with the most likely times and frequencies for each station. It sounds like a lot of work, but I only spent about six or seven hours on it. Someone with less knowledge of the tropical bands might need more time.

Cones: I went "schedule shopping" in advance and attempted to lay out 100 quick countries in six time blocks. I then worked within the blocks and tried to stay on schedule. After these blocks were shopped out, I used non-listening times to work up new blocks.

Forum: What equipment did you use during the DX Championship? Did you set up anything new just for the

contest? Any special configurations (multiple receivers / tape recorders) or new antennas?

Young: 2 receivers (HQ-180A's), one with a digital readout (xxxx.x). Tape recorder and inverted vee's at 86' on top of 7500' mountain at my work. Several stations logged simultaneously, via tape recording.

Moore: I used my Yaesu FRG-7 receiver, hooked up to a simple Radio Shack cassette recorder during the entire contest. About a third of the time I doubled up and used my Sony ICF-7600D too. I would use the frog with headphones, and connect an earphone to the Sony. I could then slip the earphone under one earpiece on the headphones. Usually I would use the Sony to log the international broadcasters and stronger tropical band stations, and to check for parallel frequencies; while I used the frog for real DX. It wasn't too hard listening to two receivers at once. For one thing, I had the tape recorder in case I missed something on the frog. Also I would turn the volume down on a station if it was playing music, so as to give the other station more attention. The only real problem was top of the hour IDs when I often had to pay close attention to both stations at once. For antenna I just used a temporary antenna of a 45 foot 16 gauge copper wire strung between my house and a tree.

Cones: Yaesu FRG-7700 with a MFJ-1040 preselector (serving mainly as a receiver switch) and a Grove Mini-tuner; also brought the Drake R-4B on line for part of the time. I use a series of tuned dipoles and a home-made tropical band antenna, all mounted in the attic. I ran it all through a tape recorder for backup.

Forum: Now for the contest itself: how many hours did you spend DX'ing? Any trial runs or did you just wing it? (Did someone bring you meals and coffee?)

Young: 48 hours spent during contest. My trial runs were over 100 hours. I used my microwave oven between 15 minute check points.

Moore: The contest allowed listening in any 48 one-hour periods during the nine days. I used 32 periods, but didn't listen the entire hour in all of them. Probably about 27-28 actual listening hours. I would have spent more, but I'm a graduate student and the second weekend I had to do a take-home essay exam which took about twelve hours of my time. Time which otherwise would have been put to DX'ing. I didn't do any trial runs. I thought about it, but decided my paperwork was sufficient.

Cones: 25 hours, spread over 6 days. My longest chunk of time was 5 hours, my shortest, 1 hour. The key, I think, was setting my original 6 time blocks so that I could catch the morning Asians, late afternoon Africans, etc., and avoid a lot of duplication.

Forum: Did your actual time on the bands match your plans or did you have to adjust as the contest got underway?

Young: After 36 hours of 'game plan,' I did re-adjust hour / hour and re-plan contest time down to the last minute.

Moore: Actually I spent more time listening than I planned on. Basically the week before the contest I worked my behind off to get ahead in my studies. Thus I ended up with more time available than I had dreamed of.

Cones: As it usually goes, I did not have the extended time I wanted at the radio, but I did manage to get my aimed-for 6 time blocks covered, plus more. I almost did not enter because of a sudden rush of nonradio things that came up over the contest period, but, as it worked out, I managed to wiggle enough time.

Forum: Clearly one of the big challenges in a contest like this is to

balance the need to hear many stations per hour with the reality that a lot of the smaller stations don't ID all that often. What techniques were helpful in dealing with this?

Young: I felt different countries had a greater point value, so I concentrated with countries rather than stations. Much of the time the second receiver was used to monitor for those stations that ID infrequently.

Moore: The two receiver setup was a great help in IDing stations. Also my paperwork gave me an advantage in terms of relay stations, where often there isn't any actual site ID to be heard, but instead parallel frequencies must be checked. Also I speak fluent Spanish and understand some Portuguese -- so I'm able to pick out ID's that might go by people who don't understand those languages.

Cones: Being familiar with the bands was the most help. I am familiar, for example, with the PNG regionals and their usual programming - in their case, I did not need to wait for an ID. The powerhouses ID often and you can pick up a quick 30-35 countries or so in no time at all with just these biggies. The Latins were the biggest problem and took the most time. My plan then was to go for the powerhouses first, the familiar ones next, then the tougher ones.

Forum: What references were the most useful before and during the contest? Please comment on any of your own records that were helpful.

Young:

1. ILG - (West Germany) The very best!
2. RDI - 1988
3. WRTVH - 1988
4. NASWA - Frendx
5. Fine Tuning - current issues



6. ISWL

7. NASWA - DXtra (mid-month update)

Moore: Monitoring Times was very helpful for the international broadcasters schedules. For the tropical bands I relied mainly on my own experience. I've got a good memory for trivia, including station names, times, and frequencies; and I spend a lot of time DX'ing the tropical bands. So generally I knew what would be there, what might be there, and what I hoped would be there if I crossed my fingers enough. Club bulletins were helpful to check for new stations on the air.

Cones: The RDI was a big help, as well as "Monitoring Times." I maintain a current schedule file, which helped with the major broadcasters. I also made use of my card system which collects current reception information from FRENEX and other SWL publications (see April 1987 FRENEX, "DX'ers Forum"). Daisy the DX dog was also a great help.

Forum: *How much of what you heard was pre-planned (targeted), vs. band-scanning? How did you decide whether to hang in there on a target that was coming in poorly or drop it and go on to something else?*

Young: 95% was pre-planned. Very little band scanning was necessary, however, several periods I did just band-scan. Never really got any new countries via unplanned techniques such as band-scanning. If I heard a station 2 weeks before the contest, I stuck it out!

Moore: Over 90% of what I heard was targeted in my original plans (however I only picked up about 80% of what was in those plans). I tried to get around the "how long to listen to this station" factor by trying for stations I knew would be difficult to hear or don't ID often, around the top of the hour when ID's are more likely. Generally though if it was a station I had heard sometime before and was just relogging for the contest, I limited myself to about twenty minutes. However if I had never heard the station before at all, then I would listen as long as it took to ID (or until I lost it). I believe I spent about an hour on a new Peruvian.

Cones: I would say that 80% was pre-planned and 20% educated band-scanning. I sat on targets for quite a while early on, but as time ran thin, I would move on and keep checking back for better reception.

Forum: *Any especially interesting loggings? First-time stations or countries?*

Young: I missed only a few countries that I had under my 'game plan' from the 2 months of trial runs and pre-planning of a logging schedule.

Moore: What really amazed me was when I went back through my records and found out that I had logged Bangladesh for the first time since I QSL'ed them in 1972. Also it was interesting that three previously well-heard but long inactive Latin American stations decided to reactivate the week of the contest (Radio Bolivar, Ven; R Nacional Espejo, Ecuador; and Radio Nacional Macapa, Brazil). To me though, the real highlight was logging a new Peruvian - Radio Contumaza 4495 - because it was my 100th Peruvian station heard.

Cones: I was pleased with Greenland (which I have not heard since and which was a new country for me), Nepal, 16 of the PNG regionals and Thailand. The con-

test just happened to occur during a super three-week Asian opening for this area which, I think, just goes to show that there is a lot of luck involved in this hobby.

Forum: *What did you think your chances were when you were finished the contest? Were you surprised by the result?*

Young: I felt they were excellent! But if you publish my answers (I have no objections either, hi, hi) my chances next year will be much less!

Moore: I felt about 80% certain I had done well enough to finish in the top twenty and gave myself about a 10% chance of making the top ten. I did not imagine at all that I would make the top three though. So I was very surprised, almost ecstatic, when I found out I was second.

Cones: I would have liked to have heard more countries but was pleased enough with what I heard in the time available. I had no idea where I would fall, since this was the first time I had entered this contest and did not know the norm. I felt I had "done good" overall, but was still surprised when I finished in the top three.

Forum: *Any advice for next year's contestants, or any other comments?*

Young: See all of the above. I realize that not everyone could spend 48 hours, nor were many on top of a 7500' mountain with switchable 90' high antennas. [ed. note: since NASWA did not organize the contest, the following comments really apply to Numero Uno] Thanks so much for the opportunity to participate. The certificate is beautiful, and I wasn't expecting a trophy! I think you have done a great job attracting listeners, quality loggings and the rules were well thought out. My hats off to you guys, 73-DX, Jim Young.

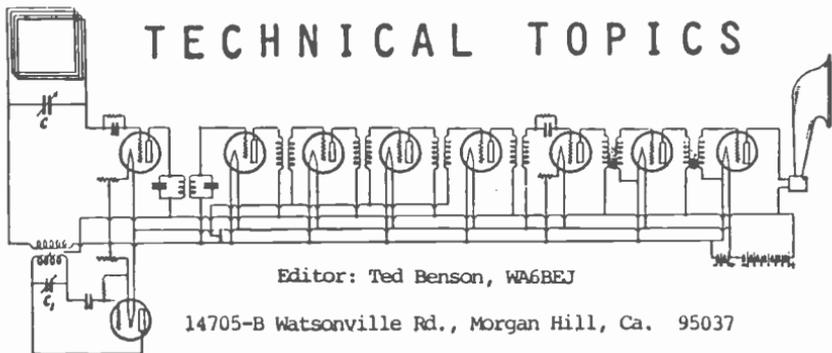
Moore: Remember the contest is supposed to be fun. I approached it this year with the desire to place, and did a lot of preparation to reach that goal. Because of that a couple times it started to become a chore. I'm thinking that next year I might just take it easy and wing it with no preparation at all. In the end it comes down to your personal goals for the contest. It's a great feeling to come in near the top of a contest like this. However, if placing is important to you - and it can be great fun - I think advance preparation is a necessity. But if you're just entering the contest to have fun, then forget the preparation and just tune around and see how well you do. A number of DX'ers did not participate because they felt they didn't have the time for the preparation. Not having the time to do the preparation necessary to win shouldn't keep anyone out of the contest. Every year thousands of people run in the Boston Marathon, and most of them don't expect to win. The bottom line is that we should be in the hobby for the fun of it.

Cones: The real key to this contest, and for DX'ing in general, is organization. The better organized your shack, your equipment, and your information, the easier the quest.

Forum: *Congrats one more time, and thanks to all you fine gents for a super contribution to DX'ers Forum.*

• • •

TECHNICAL TOPICS



Editor: Ted Benson, WA6BEJ

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ANTENNAS OR A CHAIN IS ONLY AS STRONG AS ITS WEAKEST LINK

It has always seemed a shame to me that people spend vast amounts of money on expensive receivers and listening accessories, only to neglect the most crucial element of the receiving system: the antenna. I know that this statement is repeated endlessly, but think about it for a moment. You have just bought an R-71A receiver for around \$800. What do you connect to this sensitive, state of the art receiver? Many people still connect a length of random wire strung from their house to a yonder tree. Some do this because it is quick. Others do it because they are frightened by the apparent voodoo involved in choosing or building the "perfect antenna." They are not helped any by the myriad of wive's tales on the one hand, and overly pedantic reference books on the other. But having a good receiver and a lousy antenna is like running a VOA transmitter on a coat hanger. For those of you who don't want to become another Professor Yagi, but simply want a little more insight about antennas, read on...

You have all seen old photographs or drawings of huge antenna towers, frequently atop large buildings, from which were suspended curtains of wire. Indeed, until relatively recently, it was part of the F.C.C. logo (now replaced by Sesame Street type letters spelling "FCC.") This is because in the early days of radio no one, not even the inventor(s) of radio themselves, had any real idea how the antenna worked. Tesla thought that the earth itself was carrying the radio wave. Marconi thought that the more surface area the antenna had, the more radio energy was released from it. Hence, huge curtains of wire were often suspended from towers to achieve even comparatively meager coverage. It wasn't until the twenties, and people like Professors Yagi and Uda (an antenna design bears Yagi's name today) that the true workings of the antenna were discovered.

The antenna, it was found, behaved like a resonant circuit. A good mechanical analogy is an organ pipe. A short pipe resonates at a high frequency; a long pipe resonates at a low frequency. And so it is with antennas. For each frequency there is an ideal length of antenna. Go much above or below that length and the antenna rapidly loses its ability to radiate energy. What does that have to do with reception? Lots! It was found that if all things were taken into account, an antenna optimized for transmitting was also optimized for reception. The so called "antenna reciprocity rule" was discovered. The only reason that bigger meant better in the early days is that the wavelengths used were so huge that no matter how large the antenna was it could never approach the ideal size. Fortunately for us, the sizes involved for shortwave frequencies are manageable, if not somewhat cumbersome.

The goal, then, is to make the antenna as close as possible to the ideal length for the frequency desired, and to put it as high as possible. Both of these goals can never be perfectly attained, but like perfection they can be sought after.

THE BASIC FORMULA

The basic formula for antenna length is derived from the formula for light. After all, in a vacuum radio waves travel at the speed of light.

$$\text{wavelength} \times \text{frequency} = \text{speed of light}$$

Rearranged, this gives us:

$$\text{wavelength} = \text{speed of light} / \text{frequency (in Hz)}$$

So to find the wavelength of your ideal antenna, simply divide the speed of light (186,000 miles per second) by the desired frequency. Since the answer comes out in miles, a bit of manipulation yields a more useable formula:

$$\text{wavelength (in feet)} = 982 / \text{frequency (in MHz)}$$

Note that this gives the *electrical* length. There are two more minor problems to deal with. In anything other than a perfect vacuum radio waves don't travel at the speed of light. They travel slower. This results in a cycle completing itself in a shorter distance than the ideal. What does this mean? It means that the *physical* length of an antenna is shorter than the electrical length. This is great, because it means smaller antennas. And if you liked that, you will be pleased to know about the second "problem." You do not need a full wavelength antenna to get the desired affect. Depending on the type of antenna you use, you can use a length 1/4, 1/2, or 5/8's of the full sized model, often with little or no degradation of performance. For those of us who like the 49 meter tropical band we are not stuck with an antenna 160 feet long, but can use a half or even quarter wavelength antenna of 38 feet.

How do we arrive then at the correct *physical* length for an antenna at a given frequency? The following are formulas for corrected lengths, based on the velocity of radio waves through average materials:

$$936 / \text{frequency (in MHz)} = \text{length (in feet) of 1 wavelength antenna}$$

$$585 / \text{frequency (in MHz)} = \text{length (in feet) of 5/8 wavelength antenna}$$

$$468 / \text{frequency (in MHz)} = \text{length (in feet) of 1/2 wavelength antenna}$$

$$234 / \text{frequency (in MHz)} = \text{length (in feet) of 1/4 wavelength antenna}$$

From the above formulas, we can see that even a 1/4 wavelength antenna for a popular old - time frequency of 200 KHz would be over 1220 feet -- approaching a quarter of a mile long! No wonder they never built an antenna that failed to work because it was too long.

The shortwave listener would appear to have quite a selection of antenna sizes to choose from. To some extent this is true, but some antenna configurations (or "types") work better with a half wavelength, some with a quarter wavelength, and some with five-eighths wavelength. This is so true that some antenna types are named for the fraction of a wavelength they represent. We have all heard of "half-wave dipoles" and "quarter-wave verticals." Even such oddities as the *multiple* wavelength Beverage antenna is known to denizens of the VLF spectrum.

PUTTING IT ALL TO WORK

What follows is a summary of the more popular antenna types, along with the lengths commonly used with each type. I have drawn-in the approximate reception lobes. These represent the relative amounts of R.F. energy received in any given direction. You will quickly see that each antenna has its own best direction(s) of reception. This can be utilized to select the best antenna for the type of signals you desire to receive. For example, many people wish a low angle of reception to capture DX signals, as these most often arrive at low angles to the earth. Others wish to receive low angle signals, but at the same time equally well in all directions, to avoid missing signals coming in at a any particular direction. By carefully analyzing each antenna type's pattern, you can pick the best antenna for your needs. Please note that the patterns shown are ideal, and actual antennas may vary somewhat due to many factors.

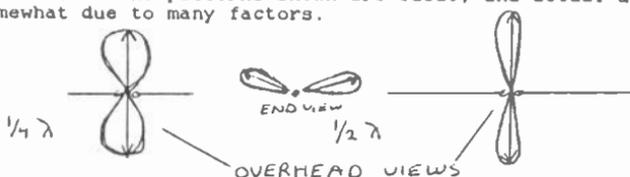


Figure 1

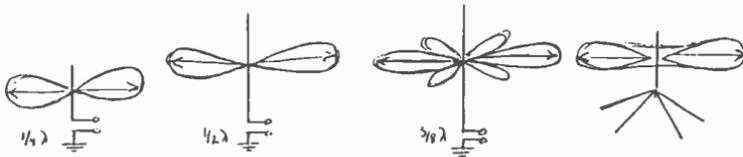


Figure 2



Figure 3

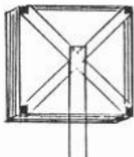


Figure 4

Figure 1 shows the ever-popular horizontal dipole in its two usual configurations: the half wave and quarter wave. This antenna is good for gain, that is it gives better reception than other types, but at a price -- it is directional. Signals coming in toward the ends of the antenna are degraded. Also, this antenna likes to be high off the ground. The closer it is to the ground the higher an angle of reception it exhibits. Unless you want to hear Mars (the planet, not the net) keep it high.

Figure 2 is a vertical antenna, again showing several variations: the quarter-wave, the half-wave, the five eighths wave, and the ground plane. Note that in the first three versions the earth itself functions as part of the antenna. In the ground plane version a sort of umbrella beneath the vertical element takes the place of the earth as the other half of the antenna. The vertical antenna is excellent for omni-directional reception; it receives equally well in all directions of the compass. It does tend to pick up more noise, however, than horizontal antennas like the dipole above. Although the vertical antenna does pick up more noise than the horizontal types, it has the distinct advantage that it can be mounted at or near the ground, and you don't have to worry about picking up a station in one direction at the cost of a station in another direction.

Figure 3 shows unique variations of the horizontal dipole -- the vertical dipole. It, like the horizontal, enjoys gain, but in all horizontal directions. The only drawback is that it must be mounted at a good height, and this is not easy with its long length.

Figure 4 is thrown-in for fun. It is the almost arcane directional loop antenna. It is fantastic for "nulling-out" interfering signals from desired stations, as it picks up best in two rather sharp directions. Because the loop is electrically rather short, it does not have the sensitivity of any of the above antennas, but it takes up much less space than any of the others, too. In many cases, gain is less important than getting rid of the adjacent frequency (or even adjacent location) interference. If so, this is the antenna for you. It is frequently employed by broadcast band DXers to "pick out the rare ones," but is also useful on the shortwaves. It can even knock-out the Russian (or American) Woodpecker.

To summarize, there is no perfect antenna. But with a little care you can improve your reception by some judicious research and, as I urged in my first column, experimentation.

Next month we will take a look at antenna designs useable for multiple frequencies, as well as some accessories to enhance them.

73's

Tal

NASWA Awards Program

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

Greetings and welcome to the August 1988 NASWA Awards Page. The following folks earned NASWA Awards since our last report:

Rowland ARCHER, Raleigh, NC: Senior DX Centurian, 170 country endorsement; Australian DXer; African Cpmintental DXer

Richard E. DAVIS, Portales, NM: Master Papua New Guinea DXer

Joe DILEO, Waterbury, CT: Master Papua New Guinea DXer; Australian DXer; Senior Ecuadorian DXer; Master China DXer; Senior Radio Moscow DXer

Richard ECKMAN, San Jose, CA: All Voice of America DXer

Nobuaki TAKAHASHI, Tokyo, JAPAN: All Voice of America DXer

Sheryl PASZKIEWICZ, Manitowoc, WI: Maple Leaf DXer

Donna ROBINSON, Willow Springs, IL: Antarctic DXer; Senior British Commonwealth DXer

Thomas V. ROSS, Lyons, IL: Maple Leaf DXer; Arab World DXer

Roland SCHULZE, Stuttgart, WEST GERMANY: Master DX Centurian

Gayle VAN_HORN, Orange Park, FL: Senior DX Centurian, 160 country endorsement; African Continental DXer

.***** kap's komments *****

Humm, interesting to note that 30% of our participants this month are YLs. Atta go, gals. Hey, wait a minute before inundating me with mail accusing me of being a male chauvinist pig. I think it's just great that the ladies are so involved in what has always been perceived (incorrectly) as a male dominated hobby.

This is not an official announcement of a new Award, but a word to the wise. Getting all 6 continents verified for receptions in a 12 hour UTC period might pay off in the future. Also, Time Stations will not count towards this EXCEPT if all 6 verifications are for Time Stations.

Since we are wearing 2 hats (kap's kaps) for NASWA these days, it's quite OK to send column contributions and Awards applications in the same envelope. We do open all our mail upon receipt.

The question of taped receptions in lieu of actual QSLs has again come up. We stand on our requirement that actual QSLs from the station be in the possession of the applicant. Looks like the prophets of doom who predicted the demise of hard copy QSLs a decade ago were wrong. It's true that some stations have drastically altered their QSL policies, but they are in the minority.

Rumors have it that the 1990 ANARC Convention may be held in Boston, sponsored by the Christian Science Broadcasting folks. Now if we could talk them into issuing QSLs we'd be all set.

Miracles do happen. I recently sent a reception report, PFC, SASE, and \$1.00 to a religious broadcaster utilizing the facilities of Radio Africa, Bata, Equatorial Guinea. Not only did I get the signed PFC back in a most reasonable amount of time, but the \$1.00 bill was returned to me. Try that one with our friends in Okochobee.

Till next month, Go Morgan's Raiders (a/k/a the Boston Red Sox)

BSS, JP

CARD OF THANKS

To all my radio friends a sincere Thank You for your kindness and sympathy on the recent death of my Mother. Your notes and calls were sincerely appreciated. May God Bless You All.



Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702

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ALGERIA Monitoring 4-11 July: From 4/7 to 8/7 PLO-controlled V of Palestine svc carried by Alg R bc pgm solely of Koranic verses, patriotic songs w/no nx, commentaries or features. But still included VOP's usual opening & closing anmts. Returned to normal 9/7. Is daily 1702-18 on AR net 11715 7145 6160 1161 1098 1089 891 693 549 531 198 153 kHz. PLO pgms started on Alg R 14/9/70 under title "V of Fatah, V of the Storm". 5/6/72, obs w/name change to present "V of Palestine, V of the Palestine Revolution".

Monitoring 10/7: V of Free Sahara pgm continues via R Algiers ES, 22-23, in AR 15215 9640. Hostile to Moroccan govt, described as v of the struggling Saharaoui people (WBI 15/7)

AUSTRALIA RA reported 29/6: Is to be big increase in number of Aborigines and islanders working for ABC. Under joint agmt just signed in Brisbane w/Dept of Education, Employment & Training, ABC'll employ further 120 Ab & islander trainees over next 3-5 yrs. Corp chmn Mr Somerville says ABC planning allocate abt 2% of staff numbers to Abs & isls and'll contrib M\$A+ to project over next 3 yrs. Said strategy acknowledges ABC's spl responsibility to Au's Abs & islander population (WBI 8/7)

AUSTRIA ORF's GM DX pgm Kurzwellenpanorama is now bc Sats 0030, 0205, 0805, 1905, Tues 1605, Suns 0330. DX Telegram is Sun 0055, 0255, 1010, 1325, 1610 (Mauro Lopiano, Franz Süss, Edwin Southwell, July DSWCI SWN) Sat 0030 supposed to be EG

BANGLADESH R Bang HS now on 4880 ex-4890 at 00-0330, 1250-16. Could be to avoid adj ch splash from AIR Kurseong 4895, which is strong--augmented power in view of GNLf agitation? Other HS outlets are 7080 0330-05; 6195 0430-09 (ex-11); 6170 1250-1715. Last fq co-ch AIR ES most of time. W/adoption of Islam as state religion pgms have got religious flavour. Prayer calls (azaans) carried regularly whereas before they were restricted to TV. More talks on Islam and Bengali folk songs on religion. ES to ME/Eu now 7505 & 9750 16-1630 AR, 1630-18 EG, 1815-19 EG. 9750 ex-6220. (Supratik Sanatani, Calcutta, India, 9/7) Plus slow news at 19-1915 on same--is that still on? (gh)

BARBADOS Caribbean News Agency (Cana) [not supposed to be in caps??] is developing a Cana Radio service for the broadcast media (WBI 8/7) I assume this will be voiced news input rather than xmtg stns (gh)

BHUTAN BBS, Thimphu has expanded pgming. 11-15 weekdays w/EG 1415-15; Suns 06-10 w/EG 09-10. Both on 5 kW 6035. Changed addr from P O Box 1 to 101 because Royal Palace wanted l for its own use. When R NYAB, BBS predecessor started by Ms Louise Dorji (Irish by birth), Thimphu GPO did not have any post boxes. A crate was then simply placed in the PO marked Box 1, NYAB. As Thimphu modernised, the concept of post boxes got popularised and l become a prestige number. Royal Palace wanted it and BBS obliged. BBS now has pgm on religion, Thurs. The one I hrd started w/

transcript of some Christian preaching & went on to talk on "Realism in Buddhism". The Christian preaching had such a poor audio quality that hardly anything could be made out. Probably old AWR recordings Adrian Peterson gave NYAB, and which were rarely used because the idea of preaching Christianity from the state radio of a Buddhist kingdom wasn't compatible. Now that BBS has managed to produce indigenous pgms on Buddhism in EG, the old AWR tapes are used as fillers and to give the pgm a secular [ecumenical] look (Supratik Sanatani, 9/7)

BOLIVIA R Montegudo, 4935 (tho typo as 3945 I think they mean 4935), addr is Cajon Postal 156, Sucre. Studios and oficinas in Barrio "La Madona". Owner: Corporacion Desarrollo de Chuquisaca. Dir-Gen Gilberto Valenzuela Monroy. Dir-Tec Jorge Grespo. 1 kW. Member of ASBORA (Asociacion Boliviana de Radiodif). Slogan "Ahora Si--Cordech en accion". 11-16, 19-02 (stn to WRTH via July DSWCI) Not reported since March 1987 per TBS 88 (Finn Krone, DSWCI ed)

R Fides uses 5 kW on 4945, 10 kW on 6155. Addr: Cas. 5782, La Paz. Oficinas & estudios: Jenaro Sanjines 799. Slogan "R Fides, su voz amiga". sked: 09-1730, 22-02. Plans incr to 50 kW on MW 760. Owner: Compania de Jesus. Dir-Gen Eduardo Perez Iribarne. Dir-Tec Jose Maria Lop Sebastia [sic] (stn 1/6 to WRTH) [It's beyond me why a § specializing in LAM info omits all the accents, but I'm in a hurry too and am tired of putting them in when no one else does--and it's not always clear where they belong on unfamiliar names -gh] (via DSWCI SWN July)

R Loyola, 5995, Casilla 155, Sucre has studios & offices at Calle Ayacucho 161. Owner: Compania de Jesus. Dir-Tec Javier Adelantado. Uses 500 watts. Slogan: "Voz de los sin voz", 10-17, 19-22 (stn 3/6 to WRTH via DSWCI)

R El Mundo, 6015, addr Cas. 1984, Santa Cruz de la Paz. Has 10 kW using ant 6 km from studios Parque Industrial P-I-7. Offices; Ballivian Esquina La Paz No. 100. Owner: Editorial "Oriente" SA. Dir-Gen Hugo Paz Mendez. Dir-Tec Benedicto Pozo. In net Prensa-Radio. Slogan "R El Mundo -- Sintonia Nacional" sked 0930-05 (stn 6/6 to WRTH via July DSWCI SWN)

R Panamericana reported 16/6: govt cancelled 15/6 for one year licences of TV Popular channel 4, and of R Metropolitana, for flagrantly violating telecomms law in airing people under investigation for drug trafficking (WBI 24/6)

BRAZIL O Estado de Sao Paulo reported 22/6: Brasilia natl FM & AM stns have repeatedly bc tape of Pres Sarney speech ancg govt privatisation campaign. RBras pres Antonio Martins takes seriously; has been selling off RB stns, so far 11 FM, 2 AM, one TV of the 37 total; plans to make a gigacruzado by yearend and be in the black. Stns considered of high social intrest left out of priv pgm--R Nacional da Amazonia w/SW xmsns reaching some 6 megapersons; 7 radio stns in various Amazon parts on tropical bands; and RNB, xmtg to forn countries in 5 langs (WBI 1/7)

R Ribeirao Preto, on new 3205, 19/6 & 20/6 2353-0027 w/Braz song, clear ID by 0023 (Krone, Ravigneaux, Monferini, Schmitz, Grundl at Glostrup, Denmark, DSWCI) Reactivated, believed the one hrd 29/5 0300, vly weak (Stig H Nielsen, ibid)

R Marajoara, 4955, usually a black stn QSLwise, sent stencil from v/s Ronaldo Porto, Dir Comercial. Addr: Trav. Vileta 1121, Bloco A, Apartado 207, Pedreira, 66240 Belem, Para. Is his home addr (Zet Jacobsson, SWB via DSWCI) And stn own addr is Trav. Campos Sales, 370 Centro, 66020 Belem (L-E Svensson, ibid)

R C1 Ribeirao Preto, 15415, v/s is Salvador Dali, Programador (Jussi Suokas in DX-Kuuntelija via DSWCI) Surreal

R Nacional, Porto Velho, 4945, my favourite Braz! Voz do Bras net pgm 2215, fast nx, pgm ended 2250 and whole thing shut down, nothing audible. Need more info or these; 4945 outlet may run variable sked, which may be why I don't hear it every day arnd 2200; 1/7 (Bob Padula, Surrey Hills, Vic, Australia)

BURMA BBS Rangoon w/vy powerful sigs on 5040, BM pgming //5985 from arnd 1230 till EG pgm s/off 1600. Also arnd 01 to s/off w/EG 0230 //7185. Powerful sigs are irregular. Other times, feeble. Apparently testing new SW xmtrs. For past 8 months noting feeble BBS pgm arnd 5060, which had been fq of Taunggi, 10-16 and assumed 1 kW Taunggi xmtr being used for BBS relay while Forces BCing Unit shifted to more powerful 6570 channel, which is obs 10-1330. But were doubts as to whether wildgoosechase by rcvr images since 5075 was 910 kHz away from 5985 (2 x 455). But then came Gordon Darling's rpt from Thailand that he noted 5040 // 7185 at 02. Powerful sigs presently noted unseems from old Taunggi but definitely new xmtr. Strength at times better than 5985 evs, so believe 50 kW. 5040 not in fq anmts, but tests not yet over. Past few months Burma expanding radio net, new MW xmtr on 576 [probably explanation for erroneous 5760 reported elsewhere -gh], and a whole new "Forces Broadcasting Unit" (contrary to BBOMS mentg Maymo as location, we've not noted any mention of location) (Supratik Sanatani, 9/7)

CANADA RCI SWL Digest reported 25/6: RCI has begun discussions w/R Beijing on possible two-way relay; 2 hpd from next April. RNMN iv w/Allan Familiant, RCI Dir of Pgming, Opns 30/6; EG lessons for China being completed, 120 half hours carried on Shanghai, Beijing, Guangzhou domestic stns 3x a week, 4x a day during Sept-June school year (WBI 8/6)

CHINA Tibet PBS, Lhasa reportd in Std Chinese 10/6: radio and TV main sources of info here, and increasing focus on Tibetan-lang bcng. Best fqs and broadest channels now used for TB lang. These fqs and chs account for 80% of all fqs used in Tibet (WBI 24/6)

Zhongguo Xinwen She nx agcy reported 27/6: Fuzhou PBS is starting pgm "Bcing to Mazu" from 2/7; 90 mins in Std CH & Fuzhou dialect at 0930 & 2135 Sats, repeated same time Suns (WBI 8/7) Better known to us as Matsu, Taiwan controlled island next to mainland (gh) much more, LMI

COLOMBIA LV del Cinaruco reactivated on 4865, first noted 10/7 0410 w/locally produced salsa pgm, TCs for Col & Venez, 0433 ID (so it hasn't been absorbed fully into Caracol as "Caracol Arauca" or something like happened to Neiva & Bogota; tho it is a Caracol stn) Quite loud as has been true for its past several reactivations, hi. Caracol main net (eg Bogota 4755, Neiva 4945) had been running new spots during the 0400 UTC nx hour, touting the SW outlets for Cols a-broad to keep in touch, and they gave a 2nd fq for Neiva, 6150, which I couldn't find at that hour, but 10/7 0600 it was there, loud and relatively clear. Guess you can't disbelieve everything you hear! I will be in Colombia for a year from about 20/8 (Richard Stoller, Canton CT) more, LMI

R Macarena, 5975.1, 25/6 1044-1055, llanea mx, TC every 5 mins; 1051 new ID as "Desde el radiocentro TODELAR de Villavicencio, les habla Radio Macarena, HJKT 1080 kHz onda media, HJHZ 5975 kHz onda corta banda intl de 49 metros. TODELAR, el circuito del pueblo colombiano" w/TODELAR mx theme (Takayuki Inoue, Japan)

AFP reported 1/6: Comms ministry 31/5 suspended for 3 consecutive days the bcs of R Continental, main stn of Todelar net, for bcng unconfirmed rpts on kidnapping of Alvaro Gomez Hurtado, lawyer, journalist, politician (WBI 17/6)

COSTA RICA Can you print the mailing addr for R for Peace Intl (C R Foxx Jr, Norfolk VA) Apartado 88, Santa Ana, Costa Rica; or Box 10869, Eugene OR 97440. RFPI sked is now Mon-Fri 18-21 [often starting as late as 1830] on 21555, 21-24 on 13660, Tue-Sat 01-04 7375, 0415-0715 13660. 21555 is beamed due N and comes in well in OK; beamwidth is such that it should cover most of NAM well except extreme coastal areas. 13660 is beamed toward Eu and Au simultaneously. First xmsn of new pgms is 21-24, rest are repeats. Try 21555 for WORLD OF RADIO Mon at 18, 1815, 1830, whenever they come on; Wed 20, 2015 or 2030 (gh)

CUBA Monitoring 17-18 Jun: At end of R Moscow NAM svc xmsn in EG on 1040 kHz, the Cuban tourist stn R Taino hrd s/on w/anmt in EG & SP 2357 17/6: From this moment on, R Taino starts bcng on its fq 1040 kHz. In order to bring a better service to our listeners and to the tourists visiting our country, Radiotur of Cuba will stay on their fqs of 1040 & 1160 to bc the intl festival Varadero 88 tonight. R Taino was hrd on 1040 //1160 and on 640 channel of R Progreso until 0330 18/6 (WBI 24/6) Causing the usual stir among NAB types (gh)

CYPRUS CEC via BBC Limassol, since 1/5/77 to GK-Cypriot community in UK, Fri/Sat/Sun 2215-2245 on 9650 7205 (WBI 1/7)

CZECHOSLOVAKIA R Prague ES in EG: 01-02 Am 11990 9740 9540 7345 6055 5930. 03-04 same [no mentn of 01 bc being also to SAS, off the back]. 0730-08 As/Au 21705 17840 11685, 0830-09 same; 09-0930 Sat/Sun same. [R Prague takes a siesta, no xmsns at all 12-14 Mon-Fri]. 1430-15 Af/As 21505 17730 15155 15110 13715 11685 9605. 1530-1625 Eu/Af/As 21505 17730 15165 15155 15110 13715 11990 11685 9605 7345 6055. 1730-1825 Af/As 21505 15110 13715 11990 11685 9605. 18-1830 Eu 7345 5930. 19-20 Eu 7345 5930 incl Sat Christian comment from Czechoslovakia. 22-2230 Eu 6055 1287 (WBI 8/7) Multilingual Interprogramme, one hour later in winter, on 9505 7345 6055 + AM & FM includes EG segments 0530-06 in opening; 0645-0648, 0745-0750; Mon-Sat 0845-0848, 0959-0949, 1045-1052; to Eu/Am on 9740 6055 0030-0055. R Prague total output is 258.45 per week, led by EG 52.20 [not incl multilingual pgm], SP 30.55, FR 27.25 (WBI 8/7)

CHILE R Patagonia Intl, new name, on new fq 6080, addr Casilla 30-D, Coyhaique. Offs & studios at Simon Bolivar 26. Uses 1 kW, xmtr abt 3 km from Coy. Connected w/ARCHI, Cadena Nacional de Emisora [sic]. Owner: Paulo Ojeda Torres. Dir-Tec Luis Ojeda Ojeda. Slogan: R Patagonia Intl, la pionera en Aysen. 1130-04. DX pgm Suns by Carlos Valenzuela Carrasco; QSL if 1 IRC (stn 7/6 to WRTH via DSWCI)

R Universidad de Concepcion, 6135, Casilla 2337, Concepcion. Offs & studios at Avenida O'Higgins 1061, 2.o piso. Owner: Univ de Concep. Dir-Gen Carlos Gody Rocca. Dir-Tec Luiz Grez Saavedra. Xmtr 10 kW at Cerro la Gallina. 11-03. Founded 9/59 (Stn 31/5 to WRTH via DSWCI)

R Nacional de Chile reported 8/7: Chile has asked USSR to apply perestroyka to radio bcs to Chile. Neolia Miranda, Chil delegate to UN Info committee, has asked USSR to end provocative and subversive radio pgms in SP to Chile (WBI 15/7) I.e. R Magallanes and/or spl SP svc to Chile (gh)

ECUADOR R Antena Libre, 3240, Casilla 65, Esmeraldas, uses 1 kW. Slogan "La verdad os hara libre" 11-1430 & 22-03. Owner Vicariato Apostolico de Esmeraldas. Dir-Gen Luis Velasco Leon. Dir-Tec Aldo Salvi (stn 31/5 to WRTH via DSWCI)

R Sangay, 3320, addr is Macas, Morona Santiago, Amazonia Ecuatoriana. Sent a surprising verie for 1987 rpt. v/s Proprietario Simon Rivadeneira R. Slogan: Verdad, Paz, y Amor para todo el Ecuador. Says during one year of existence stn irr due to electricity. Xmtr 1000 W, tho letterhead says 5000, and Ec-made. 45-yr-old Simon is married to Sra Rocio Mantilla. Divides time working at stn and staying in Quito running tourist agency. Secy at stn is Liliانا Rivadeneira who also works as contadora and periodista, 22 yrs old (Tor-Henrik Ekblom, Sweden, July DSWCI SW News)

EGYPT LMI

EQUATORIAL GUINEA R Africa, Bata, first obs 5/84, mx and relig pgms in SP & EG. Addr P O Box 441, Bata, or P O Box 851, Malabo. 18-22 on 9550v to Af (WBI 1/7)

ETHIOPIA Monitoring 13-19 June: Test xmsns from V of Ethiopia for EEU 18-1830, WEU 1830-19 confirmed 17-19/6 on 7200; Eth mx, anmts in EG asking for reports to Box 654, Addis Ababa. Ancd xmsns Mon-Thu on 9595 not confirmed 13-16/6 due to severe co-ch QRM (WBI 24/6) Absurd scheduling policy (gh)

FINLAND R Finland reported 25/6: Power failure caused by thunderstorm prevented xmsn of FBC ES last nite. Disruption began in evening and Pori xmtr only opl again after 0500 this morn. Altogether 36h of pgms for abroad unxntd. And Met Buro forecasts continued Tstorms tomorrow (WBI 1/7) Typical nordic problem

GRENADA Cana reported 4/7: Doubt over future of Discovery TV, which ceased xmsns 19/6 after offls reported vital eqp damaged by lightning during Tstorm. Trinidad unable to repair, so then sent to Miami. Unk when Ch 11, only TV stn here, back on air. Also disagreement between govt and David McCourt, Am who founded nonprofit Discovery Foundation, responsible for setting up stn in late 1988 [sic]. First came to Grenada 2/86 during Reaganvisit and stn mgr Larry Upton said it was Wash's req that McCourt undertake project. Problems w/govt in ar-ranging turning it into public company, extend svc; committee to report by July-end on final decision (WBI 8/7) Typical carib problem

GUATEMALA R Voz Evangelica de America says it plans to go on SW; listd in WRTH88 as stn 86. No hint on fq or target; MW sked is 1030-06 (stn 31/5 to WRTH, SWN)

GUIANA FRENCH R Japan reported 3/7: R Japan & R France Intl will exchange re-lays 3 sesuihrs per day from 1/8: R Japan via Montsinery: 02-03 JP 15350 11730; 08-09 JP 5965; 22-23 JP 9685; 0330-04 SP 15350 (WBI 8/7)

RFO Cayenne, 5055, sked *0900-0549* comes in here strong thruout day & nite. Often ment RFO Guyane. No other IDs hrd. Vty of mx, mostly French Carib style like K-dance types, others mainly Am songs, SP songs, occl Braz flavour. If the ancrs talk they can continue for hours. Also phone-in pgms not as interesting as those here (R G Sewdien, Suriname, Suricall via DSWCI SWN)

GUYANA GBC, 5950, sked *0730-0300* was active only in Dec, Jan, Feb. 10 kW on this fq relaying Channel 2, 560 kHz. Audio lvl vy low making it difficult to understand pgm. Nx 1530. Veries from secy Phyllis Hyles, Box 10760, Georgetown (R G Sewdien, Suricall, via July DSWCI SWN)

HAITI R Caraibes reported 14/6: today is our 39th anniv; is commercial stn in midst of repairs. Both Haitian Communist Party and US Govt buy air time from us, plus preachers and Voodoo priests. Was hard hit during 2 yrs CNG in power. Eqp destroyed, serious damage. Perhaps by end of July or mid-Aug, will be audible in most remote towns, when 9 kW replaces 1 kW xmtr (WBI 24/6)

HUNGARY Hung R reported 1/7: from today, Kossuth R can be hrd over megameter radius, from Baltic to Mediterranean, Marseilles to Kiev. 100 kW SW xmtr inaugurated in Szekesfehervar, western Hungary; had been bc by Jaszbereny xmtr since 1985 on SW. New xmtr cost 235 megafoints. Will also reach Hungs in Carpathian basin [i.e. Romania]. Has been on 6025 since 4/11/85; old xmtr 20 kW (WBI 8/7)

INDIA Mr H K L Bhagat, I & B minister, says 50 kW SW xmtr will be installed at Trivandrum, to provide quality svc to entire Kerala. But no proposal to install 50kW SW at Kozhikode (Indian Express 6/4 via B Padaki, IDXCI ADRX #98) Annual plan for AIR 1988-89 provides for setting up two 500 kW SW xmtrs at Bangalore for ES; 50 kW SW at Srinagar [KASHMIR], 10kW SW xmtrs at Leh and Port Blair [ANDAMAN ISLANDS] for regional SW, plus numerous AM & FM xmtrs (Deccan Herald 20/4 via B Padaki, ibid)

INDONESIA Antara reported 17/6: RRI will extend bc to ME/NAF/Eu w/new stn to be commissioned next month, says Info Min Harmoko. New 250 kW stn will use various fornlangs besides Indonesian; will be built in Padang Cermin, in the rency of Langkat, N Sumatra, w/French aid worth 8 megafanx (8 gigarupiah), and rupiah funds worth 2.4 giga. Among langs are AR, GM, FR, SP, EG. Pres Suharto says most important thing is radio must give 'colourful' svcs promoting Indo growth & image. He commissioned similar stn in Cimanggis in 1985 aimed at Pac. (WBI 24/6) Uncertain if will actually be on air during July, or someone merely will have dug up a shovelful of dirt as starting point! (Bob Padula, July ADXN) RRI reported 16/7: Info Min Harmoko commissioned new 250 kW xmtr of RRI at Padang Cermin 16/7; aimed at expanding intl svc (WBI 22/7) So doesn't "commission" mean actually go on air?? (gh) But BBCMS shows same old fqs 15150 and 11790 for all VOI ES pgms at usual times, targt given only as even for German, Spanish --which is now at 17-1730 and 0030-01. Possibly new xmtr takes over fqs from Jakarta site, and likely not w/same fq offset (gh)

Merdeka, Jakarta, reported 15/6: cland TV stn in Cianjur, W Java being tracked down; best reception in Bojang Herang village; on ch 3, 02-09 GMT, mostly re-peating pgms carried earlier by TVRI (WBI 1/7)

IRAN VOIRI Spanish ES noted 12/6 0210 on 15084 gloating over Iraq foreign debt. Usual loud, poorly-mod sig. Ancd 0130-0230 WEu 15084//6220=unhrd; 0530-0630 LAm on 15084 9022. 0230 immediatly into AR; had noted usual 9022 SP pgm previous GMT day arnd 2030, so this may have been expl adtl svc. Not hrd since in spotty monitoring (Richard Stoller, Canton CT, 10/7)

ISRAEL Jerusalem Post reported 3/7: Except for EG & FR, forn-lang pgms are to be removed from daytime slots on Isr R, effective today. Victor Grajewski, head of Isr R ES & bcs to immigrants: pgms for new immigrants are not as effective in daytime as at nite. First thing in morn, people more inclined to tune in HB. Forn lang bcs in 12 langs incl Yiddish, Moroccan Arabic (Mograbi) and Ladino, which together with Hebrew are regard as tradl langs of Jews, begin at 16 and conclude at 19. As for ES, easy HB 22-2225 replaced by Yiddish from 3/7 (WBI 8/7)

ITALY IRRS plans to be on air by Augestend or Septemberbegin, initially wknds only. 7½ or 10 kW xmtrs w/omni L dipole, Milan. Tests on 7, 9, 13 MHz fqs yet undecided, rpts welcomed (Noel Green, UKOGBANI, July DSWCI SWN) R Earth on it

ITALY Did you know RAI has an external relay stn? Italian to Eu at 1730-1745, exc Sun 17-1715, both one hour later in winter, are on 1440 via Luxembourg (WBI)

JAPAN From 1/8, RFI via Yamata, all in FR: 10-11 15325 SEAs, 0930-1130 15410 As, 23-0030 15300 SEAs; see GUIANA FRENCH (WBI 8/7) In response, R Japan will revise EG sked: General svc: 01-02 17845 17810 15195 5960=Canada. 03-04 17810 15195 11840 7125=Gabon until 0330. 05-06 17810 15235 11870 11840 9505. 07-08 21695=G 17810 15235 11955. 09-10 17810 11840. 11-12 11815 6120=C. 14-15 11815 11780 9695. 15-16 21700=G 15230 11815 9695 9505. 17-18 11815 11705 9505. 19-1930 11705 9640 9505. 21-2130 11850 11815 9695 9640. 23-24 17810 15230 15195 11815 11800=G. Regional svc: 01-0130 Am 11705. 03-0330 Am 21610 17815 11870. 09-10 Oce 15235 11885 (Toru Yamashita, Asian Broadcasting Institute 18/7 via Tetsuya Kondo)

JORDAN R Jordan AR svc, Amman; during summer time all pgms one hour earlier than: 0330-0730 11920 7155. 0730-0930 11920. 0930-14 11920 9530. 14-15 11920. 15-2330 9520 7155; plus AM & FM. Pgms include The Occupied Land, nx for Isr-occupied terrs, Tue 1215-1245, 1915-1945. R Jordan EG svc is on SW 9560 15-1730 including Jordan Weekly--nx, reviews, ivs, Wed 15-1530; Newsdesk Sun-Thu 17-1730 (WBI 1/7) Contradicting own printd sked recently showing EG from 1230 or so

KAMPUCHEA VOPK ancd 12/7: from 13/7 our radio will add 40 mins to morn xmsn beginning at 2230 daily to bc prayers to 3 Buddhist Jewels; on every Buddhist holiday we'll bc prayers and blessings in morn and eve at 1230 a Buddhist sermon. VOPK is now sked 2230-0030, 0430-0630, 11-1430 daily exc Sun when 23-0215, 0430-0645, 11-1445 (WBI 22/7)

KOREA NORTH R Pyongyang has changed sked. Some new fqs are 17795 11855 11740 9540. 17795, maybe NK's first 16 mt: fq is 06-0650 FR, 07-0750 EG, 08-0850 KR, first notd 6/5 (Hiroyuki Hirao, E Asian DX News of ABI via Tetsuya Kondo) WBI issued a RP sked 8/7 lacking 17795, which makes me suspect it is outdated and gives me the excuse to skip it this time. Totals, however are 355.50 hpw; led by Korean w/70 hpw; EG and JP 64.10 hpw each (gh)

KOREA SOUTH Korea Herald reportd 17/6: FEBC doubles its output to 100 kW 18/6 on 1188 kHz, xmtg to NK, China, SU. Initiated in Inchon 23/12/56, FEBC devoted to gospeling nation and commie block. Late 1970, FEBC caused China to adopt an open-door policy [sic, no ifs, ands, buts about it] The Chinese population of arnd a gigaperson listn to FEBC [all of them??] incl an estimatd 2.5 megaKoreans residing in NE China. Ltrs from Chinese to FEBC stand at 80K since 1979. FEBC is developing mvmt w/Christians in Korea to send pre-tuned radio to 1188 & 1566 during Seoul Olympix.

Yonhap nx agcy reported 21/6: SK plans to recall a VHF channel it has allocated to US Military TV net for more than two sesquidecades in order to set it aside for a new private Korean net. In return, Korea will allow AFKN to begin cable xmsn or offer it a UHF channel. Comm experts and dissidents have long criticised Korn govt for allocating one of the country's four [sic] VHF channels to a for n mily net which has an audience of 41K US svcmn and dependents compared to 40M+ Koreans. SK now uses all 5 [sic] channels, incl one UHF authorised by IFRB for nationwide TVBC, leaving no room for new nationwide net. VHF ch can bc sigs nationwide w/out rely unlike UHF, cable (WBI 24/6)

Yonhap nx agcy reported 11/7: SK govt decided to halt anti-NK bcs from 18/7 as follow-up to policies to improve rels w/N. Have been aired by KBS and loud-speakers along DMZ. Slanderous bcs incl prsonal attax on NK leader and son Kims will no longer be aired. Pgms will be persuasive insted of slanderous (WBI 15/7)

LAOS NRL reported 10/6: Lao-Viet consultations on building TV & RBC stn in Savarane province per memorandum signed (WBI 24/6)

KUWAIT LMI

LEBANON R Leb reportd 5/7: PLO has completed establishment of radio stn in Sidon area, beaming bcs primarily to occupied terr. No new Pal stn found so far. PLO's VOPVOPR on 1149 continues 11-15 (WBI 8/7) Al-Fajr, Jersusalem, reported 5/7 from Sidon: PLO began test xmsns from radios stn here, called "the Palestine Radio, the PLO Radio", on 1190 kHz MW; 43km S of Beirut, area containing highest concentration of Pals in Leb, some 100 kilopersons. The Palestine R pgm on Syrian R, commented 11/7 that Arafat was irresponsible in setting this up to lure listeners away from Al-Quds R. Monitoring 9-11 July: AR stn IDing as VOP/VOPR hrd f/in abt 1820-1900* on 1190, reflecting PLO views. S/off w/PLO NA, identical anmt to ones carried at end of similar bcs on Iraqi, N Yemeni radios. By the way, top of this item should be attributed to Phalangist V of Leb, not offl govt R Leb (WBI 15/7)

LIBERIA PANA nx agcy, Dakar, reported 8/7: Members of Lib senate concerned over proliferation of private relig stns in country whose pgms are more political than relig. Senators raised concern 7/7 during confirmation hearings of new Dir-Gen for LBS, Alhaji G V Kromah (WBI 15/7)

MALAYSIA RRI Jakarta reported 27/6: RRI and RTV Malaysia have agreed to create an Air Magazine, radio pgm to be aired by both in cooperation (WBI 1/7)

MEXICO R Educacion, 6185, sent f/d form ltr w/pers note in 31 days from v/s Ing. Gustavo Carreno L. Says rcvng rpts from DXers arnd world, now using 5 kW into dipole, sked 06-01 local (Richard AD'Angelo, Wyomissing PA, DSWCI SWN July)

MONGOLIA RUB changed sked since May: 0910-0940 EG Oce, 0950-1050 MG, 1055-1155 Std CH, 12-1230 EG FE, 1255-1325 MG, 1330-14 Std CH, 14-1430 MG, all on 12015 & 9615. 1445-1515 EG SAs 15205 9575, 1940-2010 EG Eu 11870 9575. 21-2130 Std CH on 12015 9615. Fq of FR pgm under investigation (Akira Yamanaka, ABI 18/7)

MOROCCO These stns not incl in WRTH for years: Agadir II on 774 and Sebaa-Aioun (not VOA) on 6190 10 kW, 10-01 (JADX via IDXCI ADXR #98)

Marconi has won contract for 10 x 500 kW xmtrs and aux eqp to be installed at VOA site, up and running by 1992 (Bob Frese, VOA, RA 3/7 via WBI 8/7)

NEPAL RN HS now 7165 ex-3230, 5005. Daily 0015-0445, 0715-1015, 1145-1715. ES in EG 1115-1140 on 5005 only while 7165 comes in w/carrier and tone from 1130 before carrying HS from 1145. ES anmt says "This is the Voice of Radio Nepal" and gives time in NST rather than UTC, a peculiar custom of quite a few extl bcers (Dr Supratik Sanatani, Calcutta, India, 9/7)

NETHERLANDS ANTILLES TWR ancd 27/6: 22/6 2100 TWR dedicated new 500 kW xmtr. We were on air live from xmtr site to E Carib, NSAM in SP & EG, reports wanted. TWR ancd 29/6: will be testing new-to-us xmtr on 800 kHz 1/7 1330 to find out how we get into the French islands of Haiti, San Martin [sic], Guadeloupe, Martinique, w/FR pgming (WBI 8/7) That's the xmtr bought from Capitl R, Transkei

NICARAGUA R Catolica closed 11/7 by Sandinist regime; also threatened to close R Corporacion (R Impacto, CR, 11/7 via WBI 15/7)

Monitoring 3-11 July: Since 3/7, V of Nicaragua starting bcs one hour earlier. Now on air 23-06, ex 00-07. SP 23-02 & 03-05, EG 02-03 & 05-06; Mon-Sat only, hrd only on 6100, ancd fq 6015 unhrd (WBI 22/7)

VON reported 16/7: gcvt suspended El Despertar nx pgm on R Noticias for bc-ing false info (WBI 22/7)

NIGERIA AFP repted 29/6: strike by non-editorial RTV workrs has paralysed bc media since 17/6; demand pay increases, replacement of obsolete eqp, better condx of svc. Workrs, most in engineering, presentation, admn are all members of RTV & Theatre Workers Union, RATTAWU. Stns in Lagos, S Bendel, N Kaduna and Kwara and other states failed to bc sked pgms, closed down early or went off air completely. RATTAWU gave 21-day ultimatum expiring 4/7. R Nigeria reportd 29/6: strike suspended (WBI 8/7)

OMAN R Oman, Muscat, DS in AR on SW: 02-06 on 17770 11890 6085. 06-08 17770 11890 9735. 08-16 17735 11840 11745. 16-18 11890 9735 7270. 18-22 11890 9735 6085. R Oman has an EG svc on FM 94.3 05-17 incl nx 09, 1030 (WBI 15/7)

Pakistan Broadcasting Corporation
BROADCASTING HOUSE, CONSTITUTION AVENUE,
ISLAMABAD

PAKISTAH Radio Pakistan current sched for J-88 reads :
0045-0230 World Service to SEAs on 15115 17660
0100-0245 Bangla on 11995 15190
0230-0245 Slow Speed News in E to SEAs on 7175 15115 15580 17660 17725
0300-0345 Swahili on 11965 15135
0330-0415 Irani on 9860 12005
0400-0500 Gujrati on 15135 17725 to E & S Africa
0430-0645 World Service to Gulf & ME on 12015 15605 17660
0515-0615 Arabic on 15565 18050
0700-0745 Turki on 6175 7225 to Afghanistan
0715-1105 World Service to UK on 15606 17660
0715-0815 Burmese on 17640 17890 21475
0900-0945 Tamil on 15195 17725
1015-1100 Indonesian on 15565 17640 21475
1105-1120 Slow Speed News in E to W.Eur on 15606 17660
1115-1230 Hindi on 9495 11640
1200-1300 Arabic on 15605 17640
1230-1445 Bangla or 11995 15295
1315-1545 World Svce to Gulf & ME on 9475 11615 13675 15605
1600-1630 English News/Slow Speed News in E : to E & S Afr on 15135 17800 and to Gulf & ME as 1315.



PAKISTAN BROADCASTING CORPORATION

1645-1745 Turkish on 11635 13665 15090
1645-1900 World Service to UK on 11570 15270
1700-1745 Irani on 9455 11705
1800-1900 Islamabad Pgm to Gulf & ME on 9475
1915-2015 French on 11570 to Europe, 11635 to N & W Africa
Home Service from Islamabad :
0045-0403 on 5090 & 0600-1145 on 7290. 1000-1200 on 6090, 1200-1337 on 6130 & 1400-1803 on 3980
0100-0110 on 5045, 0200-0210 & 0250-0307 on 7290, 0330-0337, 0400-0403, 0500-0503, 0600-0603 & 0630-0634 on 9645, 0700-0703, 0900-0903, 1000-1003, 1230-1303 & 1330-1337 on 11570, 1500-1530 & 1800-1803 on 7290
Link Services : 0230-0245 on 7290 : 0715-0815, 1015-1100 & 1115-1230 on 11570, 1600-1630 & 1645-1745 on 7290.
Balti Service : 0300-0400 on 6065
Sheena Service : 0430-0530 on 7290 & 0945-1200 on 7385
Regional Services
Rawalpindi : 0045-0403(F 0500) & 1500-1803 on 3955
0600-1100(F 0600-0820 & 1000-1100) on 6130
1115-1445 on 6220
Quette : 0045-0403(F 0345), 1200-1600 & 1745-1803 on 488
0600-1145(F 0400-0820 & 1000-1045) on 7170
Peshawar : 1000-1205 on 6070 : 1400-1500 on 495:
Karachi : 0200-0210 & 0300-0307 on 5930
0400-0545 & 1345-1700 on 5905 STN Sched

(via Noel Green, July DSWCI SW News)

R Pakistan, 3980, cricket commentary in EG 2/4 1430 (Nirmal Chacko, Trivandrum, IDXCX Asian DX Review #99)

PERU From Takayuki Inoue Nozaki's July Relampago DX;

Peru: Radio Nor Oriental, Rodriguez de Mendoza; Según la segunda respuesta de Sr. Luis Elber Julia Llique, gerente de Radio Nor Oriental, fechada el 18 de Mayo de presente año, realmente Radio Nor Oriental salió al aire el 29 de Octubre de 1987 en calidad de prueba y su día de fundación es el 29 de Diciembre de 1987, el mismo día de su cumpleaños de Sr. Luis Elber Julia Llique.

Actualmente Radio Nor Oriental transmite en la frecuencia nominal de los 5270kHz con el transmisor de la marca trujillana "FRANVEL" de 500W de potencia & una antena de tipo dipolo de cuarta onda (12 metros de altura), a 0700-2300 en hora local (1200-0400 UTC) diariamente. Este transmisor de onda corta fué instalado en el mes de Octubre de 1987 por el Sr. Franco Velásquez. El precio de este equipo en aquel tiempo fué de 80,000,000 Soles o sea 80,000 Intis, en la actualidad ha variado enormemente, cuesta 150,000 Intis. Como todos saben, algunas emisoras regionales de la Selva y la Sierra de Norte del Perú han obtenido los equipos (consola/antena/transmisor/etc.) desde el "FRANVEL", por ejemplo Radio Libertad de Trujillo (4910.8), Radio Nuevo Continente (5190.6), Radio Hualлага (6364.1), Radio Central de Bellavista (4919.6), Radio Visión (5131.4), Radio Continente (8930V), Radio Nuevo Cajamarca (3970V), etc, las cuales ya visité hace unos años, cuando estaba viajando en la Selva y la Sierra del Norte.

More Peruvian info from the July DSWCI SW News column of Finn Krone:

- 5950 R HUANCAYO has oficinas at Francisco Masias 575, San Isidro, and studios at Calle Real 517 Of. 403 4.to piso, Huancayo. Proprietario: Roberto Cruzado Solari. Dir.Tec: Ing. Carlos Zegarra. Uses 1kW. Slogan: "La Voz del Centro del Peru" (stn 6/6 to WRTH)
- 6195 R CUSCO, Ap. 251, Cusco, has oficinas y estudios: Saphi No. 601. Transmitter of 1kW located in Saesayhuaman. Slogan: "Radio Cusco - la voz de la capital arqueologica de America". Sch: 1000-0400. F.pl: Increase in power. Dir.Gen: Elena Lizarraga Pacheco-Concha. Dir.Tec: Luis Barreda Murillo (stn to WRTH) think they are still inactive on SW, no? (Ed)
- 6324v ESTACION "C" is a small radiostation in Northern Peru. It is situated in Mayabamba, capital of the Departamento San Martin. The station is listed for 6200kHz, but they can be heard outside the 49 m band on 6324 kHz. Although Moyobamba has only 22000 inhabitants it is still the traffic and the cultural centre of the region. 70% of the inhabitants lives on farming, 15% from commerce and 15% are employed or public servants. The station was founded on the 18th September 1981 and first called itself "Radio Moderna". At the time it was using a 50 watt transmitter on SW. Already in January 1982 it acquired a new transmitter GELOSO with a power of 100 watts. The station has always advocated an independent political profile which on 3rd October 1983 led to the closure and confiscation of the transmitter by the army. The reason was that the station director Porfirio Centurion Tapia refused to join praisal of President Belaunde at the time. After some difficult times the station succeeded in getting a transmitter Hiwatt 250 watts, which has been on the air since 7th May 1984. And the station name was changed to Estacion "C". Since March 1987 a Hiwatt transmitter of 800 watts has been in use. This has been heard on and off overseas. Broadcast hours are 1000-0300 UTC. Six employees are seing the programmes through the day. Apart from the Director, who is also the owner, another two tecnicians are employed. The record files are quite limited, with 890 singles and 68 music cassettes. 80% of the programming consists of "musica tropical" (chicha). Since app. one year, also an FM transmitter is in use on 99 MHz in Mono using the station name "Doble Nueve". If you happen to hear Estacion "C" and want to send a reception report, it can be sent to the following address: Estacion "C" - La Radio, Jr. Alonso de Alvarado No. 791, Apartado 210, Moyobamba, Depto. San Martin. (Prepared and translated to German by Michael Schmitz in Kurier on basis of information from Ricky Centurion Tapia at Estacion "C". Translated (in part) by your Ed).
- 9505 R TACNA, Apartado 370, Tacna, has studios & oficinas Av. 2 de Mayo No. 4 Altos. Proprietario: Radio Tacna S.A. Dir.Gen: Yolanda Vda. de Ca. Dir.Tec: Ing. Alfonso Caceres Contreras. - Uses 500 watts, transmitter location: Pago Aimara s/n. Slogan: "Emisora Decana del Departamento". Sch: Mon-Fri 0900-0000; Sat 0900-0600; Sun 1000-0400. We have increased power on SW from 200 to 500 watts. (stn 8/6 to WRTH) so why don't they mention 6571kHz? 9505 is changed to 9486kHz quite often, ed.

9950N R DEL PACIFICO QSLed with full data letter, specifying 9950 kHz frequency, in 29 days, for mint stamps from v/s J. Petronio Allauca, Dpto. de RR.pp. Accompanying literature mentioning 25th anniversary indicated 4975 & 9675kHz. Address remains Av. Guzman Blanco 465 - Piso 7. Scheduled from 1100-0500 (RAD) also often here in Denmark, best around 2300. Must be harmonic 2x4975, Ed. Letter & schedule in 21 d. V/s: J. Petronio Allauca, Departamento de Raleaciones Publicas (W,Rutsch in Switzerland via PlayDX)

10242 FUTURO LA RADIO, Apartado Postal No. 89, Correo Central Moyobamba is working on increase from 50 to 150 watts. They expect to be on air again in July, 1988. Slogan: "Futuro la Gran Radio - orgullo en el oriente peruana". Offices: Barrio Uchuella s/n. Studios: Jr. Grau s/n. Transmitter location: Barrio Calvario. - Proprietario: Wilian Ruiz Gongora. Dir.Tec: Ezequiel Varas S. (Stn to WRTH)

FUTURE PLANS as reported to WRTH by respective stations:

Radio Reloj (1520kHz) plans to go on SW. No mention of freq. and when. Is a member of Radial Andina. Radio El Tiempo in Arequipa also plans SW, no more details. (1440kHz MW)

PHILIPPINES R Veritas in Quezon City will this year transfer to a new big /+LMI building all the whole foreign sections. (Roland Schulze, GFR, July DSWCI SWN)

POLAND R Polonia remaining bcs to Am are: 04-0555 PL for seamen, also to Eu/ME/ Af, 15120 11815 9525 7145 6095; 1130-1225 PL 11840 9525. EG complete: 0630-07 Eu 15120 7270 6135. 12-1225 Eu 7285 6095. 1230-13 Af 15120 11840 9525. 14-1430 Eu 7285 6095. 16-1630 Eu 9540 6135. 1630-17 Af 11840 9525 7125. 1830-1855 Af 11840 9525 7125; Eu 7285 6135 5995 1503. 20-2030 Af 9525 7145 7125. 2230-23 Eu 7270 7125 6135 5995 1503. 2305-2355 Eu 7270 7145 7125 6135 5995 1503 1260 1206 738.

In Polish, Holy mass on Sundays 13-1355 Eu/Af 7285 6095 1503. Esperanto: 05-06 Eu 7270 6135 5995 1503. 11-1125 Eu 9525 7145. 1530-1555 Eu 7285 6095. 1630-1655 Eu 7285 6095. 2130-2155 Eu 7285 6095 5995 1503. Total output is 298.05 hpw, led by Polish w/89.50, EG 39.05 (WBI 24/6)

Polish R reported 22/6: R Polonia journalists propose a meeting with counterparts at R Free Europe to discuss the latter's 'destructive intentions' in a spirit of openness (WBI 1/7)

PR 4th pgm on numerous AM, FM, LW fqs includes Scouting Radio Stn mag pgm, M-Sa 0650-0750, Sun 1000-1057 (WBI 22/7) Must be what's left of former SW stn Polish Pathfinders (gh)

PORTUGAL RDP Intl reported 20/6: RDP will be investing abt 700 megaescudos this year in improvement of natl cov of xmtrs, modernisation. Impvmt of RDP ES one of priorities for this year, entailing abt 431 megaescudos. Besides concentration of entire ES at Sao Marcal studios, currently being re-equipped and undergoing other modernisation work, a new aerial array for Af bcs is expected to come into opn towards yearend. First semester 1989, plans commission 250 kW xmtr, first of 3 to be purchased, and an aerial array for bcs to USA (WBI 24/6)

ST KITTS-NEVIS CANA nx agcy reportd 20/6 from Charlestown, Nevis: Third radio stn in St K & N began operating at the weekend. V of Nevis has output of 10 kW, on 895 kHz MW. Owned & managed by Nevis BCing Co ltd, backed mainly by Nevisians living overseas. Per informed source, Nevis island admn owns 20% share. Two other stns are state-owned ZIZ 555, which has a studio in Charlestown, and relig R Paradise, 825, owned by Am evangs, relocatd to St K from St Martin in 1970s (WBI 24/6) Nice new MW DX target for NAm

SOUTH AFRICA R RSA ancd 16/6 at 1500: at end of this xmsn we'll bc short comtry in Russian on visit to SU of Archbishop Tutu. Stn doesn't normally bc in RS; did carry short RS comtry at 1550 ending w/invitation to write to R RSA at Intl Press Centre, 76 Shoe Lane, London (WBI 24/6)

R RSA in EG: 02-04 Am 9615 9580 6010. 04-0430 ME/Af 9580 7270 4990. 11-12

Eu/ME/Af 21590 17860 15365 7270. 14-16 Eu/ME/Af 21590 17755 15365 7270 21535.
18-19 Eu 15365 11875. 19-21 ME/Af 9610 7270 4990. DX Corneris sked; Mon 0235
Sun 1835, Sun 1935. Total output 223 hpw, led by EG 59.30 (WBI 24/6)

R RSA fq sked revision dated 17/6: 18-19 15405 11915 ex-15365 11875 (WBI 8/7)

R RSA ancd 18/7: From 19/7 at 18 no longer on 15405 but 7245 will be boosted
to 500 kW, first choice for Eu listeners; monitored 18-19 on 11915 and 7245
(WBI 22/7)

SPAIN REE Madrid reported 23/6: Plans shortly for TV Espanola to be bc live
to whole Am continent by satellite, 4 hpd for 6 months experiment (WBI 1/7)

REE reported 14/7: 13/7, Spain & Costa Rica signed agmt in Madrid for
work to begin shortly, possibly this week, on infrastructure for installation of
powerful SW aerial (xmtr) in CR. Spanish investment amounts to some 500 mega-
pesetas, abt 4.5 mega\$. Present at signing ceremony at Spanish Institute of Ibero-
American Coop were CR Ambassador in Madrid and Spain Amb in San Jose (WBI 22/7)

SUDAN Omdurman, apparently reactivated 6150, 2120 w/NAF vocals, AR anmts to
close at 2145 12/6. Subsequent chex reveal variable s/off, from 2130 to 2215.
May replace earlier 5039. 6150 used some years ago I recall (Bob Padula, Au)

SURINAME R Apintie, 5006, sked 08-04. Reception often plagued by strong ute.
Most frequently used ID is "Dit is de uitzending van R Apintie op AM, FM, en FM
Stereo en special voor het binnenland op de kortegolf in de zestig meterband".
Nx at 1730 & 22. Pgm in DT exc 19-2030 Sarnami Hindi, 2030-21 Javanese. During
Ramadan they were hrd s/on at 0730 after which pgm in Sarnami Hindi from SRS
(600 kHz & 93.1) relayed until own pgms in JV 08-0830. Suns s/off 0300. Pgm
most often hrd overseas is Swing Low in Full Stereo, 02-0355 Mon-Sat contain-
ing mostly instl mx. ID and IS precedes instl version of NA at s/off. Suns,
country mx and classical Eu mx (R G Sewdien, Suricall, via July DSWCI SWN)

SWITZERLAND RNMN reported 7/7 on SRI's use of 17730 at 0130-03: Walter Fankhauser,
SRI Press Officer, confirms from start of this month SRI has hired airtime from
RBras; from 1/7 for trial period until yearend, one 250 kW xmtr. Not to replace
Gabon which just covers CSAm, not CAM. Since Switz is so small, do not expect
to find a place for one real SW centre; will have to put one 500 kW in one place,
a 250 kW somewhere else, etc (WBI 15/7) 17730 lacks the 0.3 sec satellite de-
lay compard to e.g. 12035 one would expect from 0115, just a reverb/echo apart.
How can this be explained? (gh)

TAIWAN VOFC in EG, some via WYFR: 02-03 As/Au/Am 15345 11860 11740 9765 9680
7445 5985. 03-04 As/Au/Am 15345 11745 9765 9680 7445 5985. 07-08 Am 5985.
22-23 Eu/Au 17845 15440 15370 9955. Also V of Asia xmsns: 02-03 As 7285.
06-07 As 7285. 1030-1040 As 5980 612. 11-12 As 7445 5980 612. 1530-1630
As 7445 5980 612. Total output 439.15 hpw led by Std Chinese 105.35; EG 57.10
(WBI 24/6)

TANZANIA R Tanzania, Dar es Salaam reported 24/6: govt planning to build two
radio stns in Nachingwea (SE Tanzania) and Sonea (SW Tanz) to improve reception
of radio bcs in country. Jap govt assistance. Two 100 kW SW xmtrs to replace
old ones in DeS expected in country in Aug, installation completed by yearend
(WBI 1/7) R Tanzania Natl Svc in Swahili: 03-0455 5050 4785. 0455-13 9685 5050
4785. 13-1530 9685 4785. 1530-21 4785. Nx pgms relayed by Zanzibar: 0345-
0415, 17-1710, 19-1910. Nx relayed from Zanzibar: 16-1610. R Tanz Commercial
svc 13-2015 on 5050 incl nx relay of Zanz 16, by Zanz 17.

V of Tanzania, Zanzibar, in SH: 03-05 & 11-15 & 1815-20 6015; 15-1815 11734.4
and 6015. Pgm include: 0315-0330 Presidents or Chief Minstrs speech irreg,
repeat of previous days' 1715 bc. 0345-04 relay RT DeS, 04-0415 nx & contry re-
lay of RTDeS. 1115-1120 pgm pvw. 12-1210 nx. 1345-14 Sat The World & Events =
weekly nx review. 14-1405 nx. 15-1505 pgm pvw. 16-1610 nx relayd by DeS. 1715-
1730 Pres or Chief Ministr speech, irreg. 1730-1745 Fri Public Security. 18-1810
nx. 1815-1845 Sun Zanzibar This Week. 19-1910 nx relay of DeS. 1945-20 Nx (WBI
8/7)

TUNISIA Monitoring 10/5 to 2/7: During chex since 10/5, svc in AR previously bc
15-17 and 18-20 not traced. Fqs have carried relay of TR's DS in AR instead. DS
now obs on HF: 0330-06 12005 9675, 06-17 17610 12005 11550, 17-2230 12005 11550
9675; so ES possibly discontinued (WBI 8/7)

U S S R 10670 USB + full carrier, 11/7 0015 not listed in May LN mammoth SSB
list. RS pgm to 0028 pause, 0030 chime IS unfamiliar, not Mayak, Ml or Rodina.
"Govorit Moskva" and into all-talk pgm. Maybe For Those At Sea listed at *0030

on several fqs? G sig (Richard Stoller, Canton CT)

R Yerevan reported 18/6: We bc to world in AM & Arabic. Summaries of AM xmsns are bc in EG, FR, TK, Persian, SP. For Kurds living in Armenia, there are Kurdish-lang xmsns totalling a sesquihour daily, audible in neighbouring countries too (WBI 24/6)

Kazakh R, Alma Ata, ES in Kazakh, half hours on 5915 5035: 00, 1230, 13, 14, 15, 23. The 1230, 13, 14, 23 are also on 7255; one hour later wint'r (WBI 24/6)

At 0550 28/6, the first and Mayak pgms of All-Union R linked up and live coverage from 19th CPSU conference began at 0555, hrd on total 51 fqs in UK. WS RM carried live comtry in EG 06-1013, apart from a 30-min interval at 0759, hrd on 31 fqs. Comtries also obs at same time in FR on 14 fqs, GM on 8, CH on 4. SW reception condx during the period were poor (WBI 1/7)

Karelian R, Petrozavodsk, on 765 kHz and FM 02-2103 in RS, FN, Karelian. Was also available on 5065 until late 1983, and on 4780 until June 86 (WBI 1/7)

R Dushanbe, ES on 4975 and 1143: Dari 02-03, 1230-13, 14-15, 18-1830 to As; Persian to ME 1530-16, 1730-18 (WBI 8/7)

R Baku, Azerbaijan, ES on 6135 6110 in Persian to ME 0230-0315, 10-1045; Turkish to Eu 11-12; Azeri ME 12-14; TK Eu 14-15; AR ME 15-16; also on 1296 exc 10-1045 (WBI 8/7) Both one hour later in winter

R Tashkent ES in EG: 12-1230 & 1330-14 on 15460 11785 9715 9600 7325 (WBI 15/7)

U A E UAE R, Dubai, SW svc consists mainly of live relays from domestic AR & EG svcs. Relays are sometimes linked w/ES anmts, ocll brief mx periods. Nx in EG also frequently accompanied by a short ES feature on Arab history, culture. EG pgms often extended on Fri, Sat, Sun. 0230-04 Am 21700 17890 15435 11940. 0415-06 As/Au 21700 17830 17775 15435. 0615-14 Eu/ME 21605 17865 15435 11955. 14-1640 17865 15435 11955 11730. 1640-2050 15300 11955 11730 9550. EG segments are at 0330, 0530, 1030, 1330, 1630 w/nx (WBI 15/7)

V of the UAE, Abu Dhabi, DS in AR is beamed to other areas on SW: Cam 02-07, As 0930-1530, Eu 0630-1015, 1530-2130, ME/NAF 02-2130: fq usage: 0215 on 11965, 9835 9695 9630 6195. 06 on 17645 11965 9695 9630 6195. 0630 on 17820 17645 11965 11815. 07 on 17820 17645 11815. 0930 on 17820 17645 11940 11815. 1015 on 17645 11940 11815. 12 on 15510 11940 11815. 1230 on 15510 15405 11940 11815. 15 on 11510[sic, means 15510?] 15405 11940 5955. 1530 on 15510 15405 9630 5955. 16 on 15510 15405 9695 9630 5955. 17 on 9695 9630 9595 7280 5995 until 2130. All in AR, nx at 0630, 0930, 1230, 1730, 1930 (WBI 15/7)

U S A Delighted to hear for first time gh's WORLD OF RADIO on WRNO Sat 14/5 at 2330-24 on 13760, as usual loaded w/DX tips. WRNO provides great listening on a very clear channel at 22-24; besides WOR, has USA Top 30 on Sundays; 15/5 0000 switches to 7355, also coming thru fair (Prodyut Banerjee, aboard ship at 18-51½ N, 72-19 E, via IDXCI ADXR 99) Seems this xmsn getting out best to other world-part too--Eu, Au. Enjoy 'clear channel' while you can before 13 MHz starts to overload (gh)

URUGUAY R Sport, 6045, addr Eduardo Acevedo 1464/901, Montevideo. Dir-Gen Luis Parodi. Dir-Tec Ing. Ariel Ayphassorho. 1 kW CXA61, xmtr location Av Central s/n. Slogan: La Pantera. sked 0930-03 (stn 2/6 to WRTH via DSWCI July)

On new 6075, LV de Artigas and R Bella Union alternate pgms. R Bella Union is at Calle Enrique Ferreira 1550, Bella Union, Depto Artigas. owner: Luis Murillo e hijos (Sandra, Solange, Roberto), Dir-Gen Roberto Luis Murillo Ricciardi. Dir-Tec Luis Murillo Miraro. CXA3 5 kW. Slogan: La emisora de la triple frontera de America. Sked 09-04. Ansvr from R Bella Union, 1250 kHz, says alts w/them and that 6075 is 5 kW (R Bella Union, same owner as LV de Artigas to WRTH 3/6) But a different story from LV de Artigas itself: 2.5 kW, slogan "la primera, 25 anos en el primer lugar", sked 12-20. Dir-Gen Solange Morillo, Dir Tec Victor Ariel Ricci (stn to WRTH) which is right and which is wrong here? (Finn Krone, DSWCI)

R El Espectador, 11835, v/s is Hugo Magnani Dupetit (Vanhatalo, DXK, SWN)

VENEZUELA R Valera, 4840, Av. 10 no. 9-31, Valera, Edo Trujillo. owner Carlos Rumbos Guerrero. Gerente Marisely Rodriguez. Dir Silinio Perez. Slogan: R Valera ...y Punto. 09-04. V by QSL card (stn 6/6 to WRTH via DSWCI)

Ecos del Torbes, 4980, has oficinas y estudios in Calle 9 No. 8-16. Owner: B Gregorio Gonzalez L. Dir-Tec Ivan Escobar S. Slogan: Su emisora predilecta. 09-04 (stn 7/6 to WRTH)

R San Cristobal expects to start on 9570 w/ 1 kW. Addr: Aptado 374, San Cristobal, Edo Tachira 5001-A. Oficinas y estudios; 7ma. Avenida, Edificio Brasmatas. Owner: B Gregorio Gonzalez Lovera. Dir-Gen Jose Antonio Loreto. Dir-Tec Alberto Aguilera. Slogan: RSC, la Efectiva. Is on MW 10-04 (stn 7/6 to WRTH, SWN)

Written by Ivan Escobar Sanchez, and stamp says Dpto Tecnico / Ecos del Torbes / R Tachira / R El Sol / R S C and he also answered for Ecos del Torbes above. (July DSWCI SWN)

R Los Andes is sporadically active on 6010; if not hrd in Eu, due to low signal; doesn't mean it is not on SW (Jairo Salazar R, DSWCI July)

R Sucesos, 9700, Carrera 4 no. 1-35, Tariba, San Cristobal. Dir-Owner Gelasio A Suarez U, 1 kW, YVTH (stn 3/6 to WRTH) Again listed; anybody know the story? (Finn Krone, DSWCI ed)

VIETNAM R Hanoi [sic] does not often announce target area; so assumed here.

15-min xmsns possibly targetted at listner in China, whilst 30-min bcs to Asia more genrally to SEAs. EG ES of V of Vietnam: 10-1030 15010 9840. 11-1130 9730 7432. 1330-14 15010 9840. 1545-16 & 1615-1630 12035 10010 1010. 16-1630 Af 15010 9840. 18-1830 Eu 15010 9840. 19-1930 same. 2030-21 same. 2230-23 same. 2330-24 same. Total output 197.45 hpw, led by EG 35; Cantonese 29.45; Std CH 26.15; Viet 21 (WBI 1/7)

YUGOSLAVIA During wint'r all R Yugoslavia xmsns one hour lat'r than: EG ES: 1430-15 Eu/ME/As/Au 15415 15240 9620. 1730-18 Eu/ME/Af 11735 7240 6100 5980. 19-1930 Eu/ME 9620 7240 6100 5980. 2115-2130 Eu/ME 9620 7240 6100 5980 1269.

Multilingual svc for Yugos working abroad: Sat & Sun 06-10 on 11735 9620 7240: Sun 06 Sarajevo in SC, 07 Pristina in Albanian, 08 Skopje in Macedonian, 09 Zagreb in SC. Sat 06 Novi Sad in Hungarian, 07 Titograd in SC, 08 Ljubljana in Slovene, 09 Belgrade in SC.

20-2030 on 9620 7240 6100 5980: Sun Belgrade in SC, Mon Ljubljana in Slovene/German/ENGLISH, Tue Zagreb in SC, Wed Sarajevo in SC, Thu Pristina in Alb and 2015 Novi Sad in Hung, Fri Titograd in SC, Sat Skopje in Macedonian. Also Italian from R Capodistria daily 2145-22 on 9620 7240 6100 5980; Pgm for seamen, edited version of R Zagreb xmsn comprising material from various Croatian radios, Thu 22-2230 on 9620 7240 6100 1269. Total weekly output: 84.30 led by EG 12.15 (WBI 15/7)

ZIMBABWE ZBC Radio 1, Harare, SW usage: 0320(Sun 04) 3396; 0530 (timing varies) change to 6020. 1600 to 3396 until 2200. Pgms include EG nx 04, 05, 06, 08 M-F, 10 M-F, 1115, 14 M-F, 16, 1745, 20. Today at 5, ivs, features, financial nx at 15-16 M-F. Newsreel 1615-1630 Mon-Sat. The Struggle Against Apartheid, at 1640-1655 days of bc uncertain but at least Thu. 1715-1745 Tue The Nation, ivs.

V of Namibia, SWAPO pgm in EG, AK, Namibian verns 19-1930 M/W/F. 21-22 Sun-Thu relay of Radio 3.

ZBC Radio 2, multilingual, 0320(Sun 04) on 3306; 05 change to 7175 or 5975; 1545-22 on 3306; includes nx in EG from Radio 1; and own nx in Shona/Ndebele at many other hourtops. ZBC Radio 4, multiling educ pgm, M-F 0830-1830 on 6045 (WBI 22/7)

CLANDESTINE CRANNY V of the Resistance of the Black Cockerel

During monitoring 22-27/6, UNITA stn hostile to govt of Angola ancd this sked: Pgm A: 05-09 9700 7130 (or 9750). 11-15 on 11820, 9650 (or 11930); 18-22 7145, 7130 (or 7225). Pgm B 0330-06 4975. 08-1030 11980, 9600 (or 15167). 12-1430 9600, 15170. 1730-20 4975. Xmsns confirmed at 05-09 on 9700, 1305 on 11820, 0735 on 4975, 1830 on 7145. The 0500 bc includes pgms in PT, FR, EG until 0730, then verns. This EG anmt 0635 27/6:

"Welcome to EG svc of VOREC, UNITA's radio stn. We are bcing to you from Jamba the HQ of the UNITA resistance mvmt in Angola. We are on the air every Sunday aftn and evening and on Mon morns. Tune in also for mx pgm on Wed aftn & eve, Thu morn. VOREC gives you a fair, accurate and up-to-date acct of the political, military, diplomatic, administrative, economic and social events in Angola" (WBI 1/7)

V of Oromo Liberation, new anti-Ethiopian radio on 9550, hrd 6/7 1530-1605 in Oromo lang, s/on 7/7 w/anmt in Oromo: "This is the V of Oromo Libn. Listeners, the VOOL is bc by the Oromo Libn Front (OLF) every day 1530-16 gmt on 31mb." Xmsn continued at 1535 w/second part of OLF political pgm, listing enemies of the struggle including present Eth govt and sets out the political, economic and social objectives of the OLF (WBI 15/7 & 22/7)

V of the Broad Masses of Eritrea, first obs 11/8/80; ancs in Arabic as V of the Eritrean Masses (Huna sawt al-Jamahir al-Iritriyah). Supports EPLF and hostile to govt of Eth. Claims to bc from liberated terr. All fqs vary considerably, up to 30 kHz either side of those listed. Ancs bcs in 80, 75, 60, 49, 42, 41, 31, 19 mb. All bcs on 14330v, 7485v: 04-05 Tigrigna, 05-0530 Tigre, 0530-0630 Arabic, 0630-07 Amharic, 09-10 Tigrigna, 10-11 Arabic. 14-15 Arabic, 15-16 Tigrigna, 16-1630 Sun /Tue/Thu Kunama; M/W/F/Sa in Afar; 1630-17 Amharic (WBI 1/7)

V of Iraq, tent on 9431.5, 1708-1727 29/5, AR pgming, spoken item mentg Baghdad and Washinton several times. Also mx, 1710 clear ID "Id'hatu sawt-il Iraq". Possibly Syrian outlet? Here for some time now. 1727 jammed, strength 4 (Michael Osborn, UK, July DSWCI SWN)

Iran's Flag of Freedom Radio Anti-Khomeni Farsi-speaking stn from Egyptian site has dropped 9045. Now 0430-0630 & 1630-1830 on 7080, 15555. Previous names R Vatan, R V of Liberation of Iran, since 1980. One xmtr is more powerful, 15555 (Supratik Sanatani, Calcutta, India, 9/7) This stn ancd during 1630 bc 14/7 that from Sat 16/7 eve xmsn 1630-1820'd be on 11315 insted of 7080 for one week on experimental basis, //unchanged 15555 (WBI 22/7)

V of the Crusader (Mojahed) Closing anmt at 0953 22/6: General pgm of VOM is daily 1600-2000 on 1431 MW, and SW 9580 7130 7180 7220, new 6100, 6175, FM for border residents. Genl Pgm also at 18-20 on new MW fq 1352?/1359. Genl pgm also at 20-21 on 7130, 6175, new 6100. Repeated in morn at 0330, 06, 11 on two other wavelengths, 4259 and 3543 in addn to the above fqs (WBI 1/7)

V of Mujahadeen/Mujahadeen-e-Khalq, pro-Rajavi, anti-Khomeni stn in Farsi *1600 on 7130 3540 after 5 mins of anthem played by symphony orch. Ments "Sedeye Mujahed. Mujahed-e-Khalq". Pgt mentn of "Dushman" (enemy) and also ments TV. Wonder if they are on TV too. Since this stn uses Iraqi facilities, use of TV could be feasible. Pgming noted past 2000. 7130 has bubble jammer which appeared even before stn s/on. MW 1431 obs too in // (Supratik Sanatani, Calcutta, India)

V of National Army of Democratic Kampuchea Stn hostile to Heng Samrin regime, on 5408 has extended its last xmsn by 30 min. Now 10-1530. Strength has improved ever since it moved to this new fq from 5200. Plenty of modern pop numbers in Kampuchean played, following cue from V of Khmer on 6325. Ancrs need to liven up to complete the change. Even then stn has come a long way from rustic programming 2 yrs ago when played long monotonous numbers. Viet and Kamp used and pgms make fgt ment of Vietnam and Hanoi (Dr Supratik Sanatani, Calcutta, India, 9/7)

V of Democratic Kampuchea (Cambodian: Samleng Kampuchea Pracheathipatei) bcs in support of former Khmer Rouge regime, first obs 16/1/79. Xmts believed to be in PR China. In Cambodian: 04-05 17680 15110. 09-10 17533 11870 11780. 13-14 on 9440 6995 6075. 2330-0030 9440 8345 7350 (WBI 22/7)

Echo of Hope has changed sked. 02-05 6348, 09-12 3985, 14-17 3985, 20-21 3985. First noted 17/6 (Toru Yamashita, E Asian DX news of the ABI via Tetsuya Kondo)

TV Marti R Rebelde reported 21/6: Opening of a TV channel being anti-Cuban propaganda from US is being received w/some reservation by certain govt officials and commercial radio stns in Florida, NY Times today cited sources that disagree w/ the project because they fear this may harm their interests and because it might generate difficulties with Cuba (WBI 1/7)

L A S T M I N U T E I N F O C H I N A BBCMS provides skeds of regional/provincial stns; showing most svcs carried on SW; fq usage is subject to some season and diurnal variation. Sked gives overall xmsn times only; usage for individual fqs may vary. Pgms one hour earlier during summer time. [MW & FM portions deleted here -gh]. In order by prov/autonomous region. Fujian: Fujian PBS, Fuzhou, First pgm in Std CH, Amoy, on 5040 4975 2340 at 2050-0557, 0850-1700. Prov nx at 21, 23, 01, 03, 04, 09, 11, 13. Economic nx 2155, 2315, 0345, 0925, 1055, 1130. Press revs 2310, 0110. Gansu PBS, Lanzhou: in Std CH on 6155 6005 4865 at 2150-0130, 0330-0620, 09-16; nx at 22, 23, 0430, 11. Gannan PBS, Hezhouzhen in Std CH, Tibetan on 5970, 3210? at 2220-0030, 0350-0550, 0950-14. Guangxi PBS, Nanning in Std CH, Cantonese, Liuzhou dialect on 4915 at 2110-05, 0850-1605; nx at 22, 03, 0430, 1025, 1330. 2nd pgm on 5010 at 2125-24, 0255-0620, 0950-15. Third pgm on 5920 at 2255-0130, 0955-1230. Beihai PBS, Beihai on 8677 at 2215-24, 1035-15. Guizhou PBS, Guiyang in Std CH on 7275 and 3260 at 2155-0030, 0150-16; nx at 23, 02, 0420, 1430. Heilongjiang PBS, Harbin first pgm in Std CH, Korean on 6150, 5950, 4840 at 2050-0610, 0855-1420, local nx at 22, 00, 04, 09, 13; 2nd pgm in Std CH, KR on 4925 at 2055-2330, 0555-1130, 1cl nx at 0430. Hailar PBS, regional svc, Hailar, first pgm on 3900 at 2150-0005, 0355-0510, 0925-1445. 2nd pgm on 4750 at 2150-2400, 0330-06, 0925-15. Hubei PBS, Wuhan in Std CH on 3940 at 2120-0610, 0850-1540, nx 23, 0230, 04, 09, 10, 1525. Hunan PBS, Changsha in Std CH on 4990 at 21-01, 0320-0515, 0910-1610, [nx at] 2310, 0030, 04, 10, 1030, 1150, 1430. Inner Mongolia (Nei Mongol) PBS, Hohhot, Std CH svc on 9750 6045 3970 at 2130-0530, 0930-15, local nx at 2110, 22, 2335, 02, 0345, 10, 1245, 1455. Economic info at 01, 1045. Mongolian svc on 6974 4525 at 2120-06,

0910-1420. Xilingol PBS, Xilinhot, in Mong on 4950 at 2215-1435. Hulunbeir PBS, Hailar, Std CH svc on 3900 at 2120-0005, 0355-0615, 0925-15; Mongolian svc on 6080 & 4750 at 2130-24, 0330-06. Jiangsu: Jinlin PBS, Nanjing on 4875 at 1155-1605. Jiangxi PBS, Nanchang on 5020, 2445 at 21-1505 in Std CH, local nx at 23, 0230, 04, 07, 0930, 1215. Jilin PBS, Changchun on 6070, 3310 at 2050-0630, 0820-1505, Std CH, prov nx at 21, 22, 00, 04, 09, 1030. Liaoning PBS, Shenyang on 4830 at 2050-01, 0250-0640, 0825-15 in Std CH, local nx at 22, 01, 03, 04, 0430, 0830, 1350. Chifeng PBS, Chifeng on 3930 at 2120-0030, 0310-06, 10-1530. Qinghai PBS, Xining, Tibetan svc on 6500 at 2255-01, 0355-0540, 1025-1355; Std CH svc on 9780, 7260, 4940, 3950 at 2255-01, 0410-07, 0955-1530, nx at 2330, 04, 11, 1445. Shaanxi PBS, Xian in Std CH on 6176 at 2120-0635, 0930-1515, nx at 23, 05, 0940, 14. Sichuan PBS, Chengdu, first pgm in Std CH on 7225, 6060 at 2110-0030, 0320-0630, 0730-1505, prov/local nx at 23, 04=not Sun, 1020=not Sun. 2nd pgm in Std CH, Tibetan, Yi on 5900 at 2150-0530, 0950-1315, prov/local nx at 0030, 10, 12=not Sun. Yunnan PBS, Kunming, First pgm in Std CH on 7210, 4760, 2460 at 2150-01, 0255-06, 0855-1537, nx at 23, 04, 10, 1430. 2nd pgm number one in Std CH, Xishuang Banna Tai, Lahur, Nujiang Lisu, Vietnamese on 5960 at 2155-0330, 1055-1430. 2nd pgm number two in Std CH, Dehong Tai, Jingpo on 6937, 2130 at 2155-02, 1055-1540; Literary pgm on 6035, 3910 reported to 1450. Zhejiang PBS, Hangzhou in Std CH on 4785, 2475 at 2055-0510, 0755-1505, local nx at 21, 22, 23, 01, 02, 04, 05, 09, 10, 14. Wenzhou PBS, Wenzhou in Std CH on 2415 at 2135-0025, 0245-0620, 0840-1248 (WBI 22/7)

Also just as at deadline is East Asian DX News from the Asian Broadcasting Institute, 18/7/88, compiled and translated by Tetsuya Kondo, Japan:

C H I N A (PEOPLE'S REPUBLIC)

CPBS reported in "News and Press Summary" on June 13 that its 1st Program would broadcast news every hour on the hour as from July 4. But the plan does not come into effect after the renovation of program on that day.

The increase of the 3rd Program on FM is enforced as previously arranged. Now broadcast at 2055-1500. (Isami Hyuga)

Voice of Pujiang is now on the air at 0855-1445 on 4950, 3990 and 3280kHz. Programs in Standard Chinese, according to the program schedule, including Shanghai dialect at 1010-1020, 1200-1210, 1310-1320 (Mo, We, Fr) and 1400-1410.

In Shanghai this station is also heard on 927, 900kHz. These MW frequencies are estimated as a Jammer against Taiwan stns. Out of the time period of 0855-1445, CPBS 1st Program is relayed on these frqs. (Satoru Suga, Isami Hyuga)

A pgm schedule was received from Qinghai PBS. This schedule is effective from Apr. 17 to Sep. 11.

1st Program: 2125-2400 (to 0400 on Su), 0355-0700 (to 0630 on Tu, Th, Sa), 0955-1505 on 9780, 6260, 4940, 3950, 711, 666kHz. 9780kHz is used only at 0355-0700 (to 0630 on Tu, Th, Sa).

2nd Program: 2155-0030, 0355-0600, 0940-1350 (to 1405 on Su) on 1143kHz.

3rd Program (FM stereo): 1055-1400. The frq is not shown.

This schedule does not mention the Tibetan service. However it is broadcast on 6500, 1251kHz. (Hirofumi Yamaoka)

Monitoring observations for Yunnan PBS shows its broadcast schedule. The following including some presumptions.

Yunnan PBS (4760kHz), may be parallel with 7210, 2460, 990, 576kHz): 2120-2400, 0125-0500, 0755-1440. Std CH.

Yunnan PBS Educational Service (5960kHz): 2130-0245 (Sat. 2345), 0830-1445. Including minorities: 2130-2215 Lahu, 2215-2300 Jingbo, 2300-2345 Lisu, 0930-1015 Xishuangbanna Dai, 1015-1100 Dehong Dai, 1100-1145 Lisu, 1145-1230 Jingbo, 1230-1315 Lahu.

Yunnan PBS Literary Service (6035kHz): 3910kHz is now off the air): 2130-0030, 0800-1450. Including Yunnan PBS Vt pgm (2130-2200, 0000-0030, 0800-0830, 0930-1000) and R. Beijing Vt pgm (2200-2300, 2300-2400, 0830-0930).

6937kHz is now off the air.

These readjustments was noted on May 8 by Hiroshi Fujita. Cf. last issue (July LN Page 21). (Tatsuo Gima)

Honghe PBS in Yunnan Province is sometimes on the air on 4930kHz. Heard till around 1200. This wave is unstable and often disconnected.

First noted on Nov. 30 last year without hearing stn ID, however, the ID was cleared up on Apr. 1 as Honghe PBS.

The pga includes relay of Yunnan PBS. According to DSWCI Jan. issue, this relayed pga has been also heard in Nov. by Olle Alm, Finn Krone, Bjorn Fransson.

The letter from this stn in 1985 said that it would start to operate a shortwave as from 1986.

(Akira Shibuta, Akira Yamanaka, Tatsuo Gima)

Nei Menggu PBS discontinued operating 6045, 3970kHz (Std. CH service) and 6974, 4525kHz (Mongolian service). First noted on June 22.

Now only 11705kHz (Std. CH service) and 11865kHz (Mongolian service) are on the air.

(Satoru Suga)

A radio stn located in Nei Menggu Autonomous Region has been often heard on 6025kHz since Sep. 26, 1987. The transmission is irregular. The sign on is around 1030-1100 and the sign off is around 1230-1400. This stn has been observed relaying the Mongolian service of Nei Menggu PBS.

However on Oct. 25 last year it was heard to broadcast Mongolian pgms which was not parallel with Nei Menggu PBS, maybe the local pgms. In heavy interference it's ID could be picked up as Alashan PBS.

The channel of 6025kHz is listed in IFRB as Bayenhaote with 15kW power outlet. Bayenhaote is the capital of Alashan Left Banner, Alashan League.

(Satoru Suga, Akira Yamanaka, Hiroshi Fujita)

Jiangsu PES relays V of Jinling pga at 1400-1430. The frq is 702 kHz only. This relay service has begun since Feb. 16.

(Satoru Suga, Isami Hyuga, Tatsuo Gima)

COLOMBIA Caracol Bogota, 4755, from 0430 Col mx, 0500 SP nx & ads, 0535 more mx & nx past 0800, strong 12/7; IDs as "Caracol Bogota 4755 kHz" but is probably Emisora Nuevo Mundo xmtr, first hrd in 1969 (Ernie Behr, Ont)

EGYPT R Cairo on 15220, from *2345 AR to 0045*v, vy strong 18/7, //11720 weaker; 17/6 was on 15223.9, but absent some days (Ernie Behr, Kenora, 21/7)

KUWAIT R Kuwait hrd on new 15510, from 2030 AR pgm & NA to 2411*, 14/7; 555 sig, stronger than //15505 & 15495, but 15510 is gone since 18/7; was probably 500 KW ex-9840 which is missing (Ernie Behr, Ont, 21/7)

Official J88 sked for R Kuwait: 6055 0230-2300 AR. 7120 1830-2130 AR. 9750 08-10 Persian, 10-1530 AR. 9840 0230-23 AR. 9880 16-2130 AR. 11665 04-11 AR, 19-21 EG [not 18-??]. 11990 0630-23 AR. 15345 02-05 Koran. 15495 02-05 Koran, 05-23 AR. 15505 07-13 Special AR, 13-18 AR. 17850 04-06 AR. 17885 09-11 AR. 17895 04-0730 AR, 16-18 Urdu. 15345 05-08 EG (Ray Greet, July ADXN)

PHILIPPINES FEBC Manila on new 9845, from *1401 RS relig, 1830 UK to 1900*, G 19/6 ex-9800. R Veritas on 11820, from 1300 SAs langs & EG ID to 1425*v, Fair 18/7; RVA hrd on many new & unlisted fqs; can we have their full sked in LN? (Ernie Behr, Kenora Ont, 21/7) If I receive one that's not outdated (gh)

DEFECTIVE XMTRS ON 9750-9755 horrific buzzing noise all June, 0400-1400+ daily, but seems gone since 10/7. On 9655 distorted noise from Habana, no audio 25/6 and other days from 0000. SRI 9885 covered by noise 2100-0600 since mid-June. R Ned Bonaire relay 9590 putting out strong buzz or hum on 9545 & 9635 from 0230; 9715 causing same problem on 9670 & 9760 from 0530; noted since Jan 88 & still there in July. Technical standards of many stns have sunk to an all-time low (Ernie Behr, Kenora Ont, 21/7)

P U B L I C A T I O N S WORLD BROADCASTING INFORMATION Published weekly by the BBC Monitoring Service, WBI gives up to date news on developments in world broadcasting including: Details of the different programme and frequency schedules. Broadcasting behaviour and technical developments. Activities of clandestine and unofficial broadcasters. For more information write to: Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading, RG4 8TZ, Berkshire, England (BBCMS) Cost is 350 pounds per annum, plus overseas postage (gh)

DX LISTENING DIGEST, gh's own publication in format similar to LN, and with little duplication of input, has just published edition #21, which includes Enjoying Radio, conducted by David Newkirk; some copies of #20, which is nothing but DX news, are still available; samples \$2 each, 10-issue subscriptions \$21 in N America, US funds on US bank or postal money order in US\$. Same rates for REVIEW OF INTERNATIONAL BROADCASTING or both for \$40, only from gh, LN address.

QSL REPORT

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

PROGRAMA RADIAL "CAÑONAZOS TROPICALES"
 ENTREVISTAS-INFORMACIONES-EXTRAS
 PRIMICIAS

1981-1984

LA RADIO PLANTILLA
 DE LUNES A SABADO
 DOMINGOS 18:00 a 20:00
 DIRECTOR
 CONDUCTOR
 LINDA M

ANGOLA: Emisora Regional de Cabinda 4970 f/d multi-language cd. in 90 ds. for a PT rpt. on a 1983 reception. v/s Carlos Ferreira.(Gavaras-MN).

ANTARCTICA: Radio Nacional Sao Gabriel 15474 f/d cd. in 5 mo. for a SP rpt. and \$2.00.(Robinson-IL).

ARGENTINA: Radio Nacional LRAI 9690 cd. w/ RAE schedule in 40 ds. (Darling-PNG). LOL 10000 p/d folder cd. in 77 ds. for a SP rpt. and 2 IRCs. v/s Ernesto Emilio Faccini, Jefe del Observatorio Naval.(Wilkins-CO).

ARMENIAN SSR: Radio Yerevan 4810 f/d personal note w/ "Novokuznetskaya Station" cd. in 71 ds. for ms.(Archer-NC). Radio Moscow 17875 via Erevan f/d "Lenin Library" cd. w/ report form in 34 ds.(Archer-NC).

ASCENSION ISLAND: Voice of America 15285 f/d cd. in 98 ds.(Robinson).

ASIATIC RUSSIA: Radio Moscow 15595 via Kenga f/d "Rowing Canal in Kryletskeye" cd. in 66 ds. (D'Angelo-PA). 17825 via Irkutsk f/d cd. in 42 ds. (Paszkiwicz-WI). 17590 via Kenga f/d cd. in 45 ds. (Paszkiwicz-WI).

AUSTRALIA: Radio Australia 9770 via Carnarvon f/d "Lyrebirds" cd. w/ schedule, stickers and report cd. in 33 ds.(D'Angelo-PA). 15110 * via Shepparton cd. in 210 ds. via London. This was for a BBC transmission via Radio Australia. (Darling-PNG). VL8T 2325 via Tennant Creek f/d ltr. in 15 ds. v/s Karen Kane, Broadcast Production Officer.(Van Horn-FL). VL8A 2310 via Alice Springs f/d ltr. in 15 ds. for 1 IRC.(Van Horn-FL).

RADIO CANDIP BP373 BUNIA
 Rep du Zaire



QSL POUR

DATE	FREQUENCY
8/1/84	5035 kHz

DONNEES TECHNIQUES

FREQUENCES	ÉLÉMENTS	ANTENNE
3190 kHz	DAIER 14M	E-TUBE
3196 kHz	DAIER 14M	DIPOLE
7150 kHz	PHILIPS 10W	DIPOLE

Prop. de Radio CANDIP

BOLIVIA: Radio San Miguel 3310 f/d prepared cd. w/ ltr. in 85 ds. for a SP rpt. and 1 IRC. v/s Hector Salas Takana, Director. Also received a very nice green pennant.(Schmitz-FRG).

BRASIL: Radio Marajoara 4955 f/d ltr. in 25 ds. for a PT rpt. and ms. Also rcvd. FRG) station stickers. v/s Ronaldo Porto. (Van Horn-FL). Radio Nacional da Amazonas 6180 f/d "Waterfall" cd. in 12 ds. for a PT rpt. and ms. Stickers rcvd. v/s Eudson Monteiro Lima. (Van Horn-FL). Emisora Rural Santarem 4755 form ltr. in 29 ds. for a PT rpt. and 1 IRC. v/s Ailton Guerra, Gerente. * (Schmitz-FRG). Radio Clube de Pernambuco 11865 f/d prepared cd. in 6 mo. on my 4th f/up rpt. to the station. This was for an 84 reception.(Plum-NJ). Radio Aparecida 5035 f/d "Studio/Photo" cd. in 35 ds. for a PT rpt. and 1 IRC.(Schmitz-FRG).

Confirmation Card

Dear Sir *Charles R. Fox, Jr*

Your reception report is correct. Please keep on listening our station and writing to us. You can use English ou Portuguese, if you know.

Thank you

Ademir Ribeiro

ZYJ-593
 1.270 Khz
 onda média
 ZYG-761
 4.965 Khz
 onda tropical
 faixa 60 m



Escritório e Estúdio:
 AV. DEODORO, 245
 fones 222-0051 e 222-0208
 NATAL - RN - BRASIL

BYELORUSSIAN SSR: Radio Moscow 15480 via Orsa f/d cd. in 66 ds.(D'Angelo-PA).

CAMEROON: Radio Garoua 5010 f/d ltr. in 57 ds after 3 f/up rpts. for a Fr/EG rpts., IRCs and ms. v/s James Achanyi Fontem. Also rcvd. verifications from Radio Douala 4795 and Radio Yaounde 4850. (Van Horn-FL).

CANADA: CXFX 6080 f/d cd. w/ baseball sticker and technical information sheets in 13 ds. for 1 IRC.(Robinson-IL). f/d cd. in 18 ds. for 1 IRC.(Paszkiwicz-WI). Radio Canada International n/d "Human Rights" cd. in 18 ds.(Zobro-MI). Radio Japan via RCI Sackville n/d cd. in 17 ds. w/ schedule.(Zobro)

CANARY ISLANDS: Radio Nacional de Espana en * Canarias 15365 f/d "La Giralda" cd. in 71 ds. for a SP rpt. and 2 IRCs. v/s Sra. Carmen Baez. Stickers and program information rcvd. direct from station. (over)

VERIFICATION SIGNERS: Radio Cancao Nova 4825 Elza Yoshie Shikako. ERPE La Voz de Riobamba 5015 Patricio Munos, Director Ejecutivo. Radio New Zealand 15150 John B. Milton, Engineer in Charge. Radio San Juan de Caraz 4732 Victor M. Guerrero, Gerente. Radio Abancay 4934 Hermogenes Moreano C., Director. Radio Caroline 6215 J. Maasbach, Director. Addr: Evangile Centrum, PB 44, Haag, Holland. Radio Krasnoyarsk 5920 Antonova. Radio Madagan 7320 V.G. Kuznetsov. Radio Kamchatskoye Petropavlosk 4485 V.I. Aibabin. Radio Occidente 9750 Ricardo Silguero L., Director. Radio Federacion Shuar 4960 Angel Arutan Kiya Ayui, Director de los Medios de Comunicacion Social. RRI Padang 4002 Drs. H. Syamsul Muin Hararap. RRI Banda Aceh 4954 S.H. Rosakim. Radio Educacion 6185 Ing. Gustavo Carreno L. La Voz de la Selva 4825 Dolce Numbre Padilla. Radio Pioneira de Teresina 5015 Francisco de Sousa Ferreira, Director. Radio Difusora Londrina 4815 Walter Roberto Manganoli, Gerente. Radio Banqui 5035 Michel Bata, directeur des Services Techniques. Radio Jesus del Gran Poder 5049 Padre Jorge Enriquez. Radio Cultura Sao Paulo 17815 Jose Munhoz, Coordenadoria de Engenharia. Radio Bandeirantes 11925 Joao Jorge Saad, President. and Salomao Esper, General Manager. Radio Impacto 5030 Raul Saavedra (DXer!). La Voz del Rio Arauca 4895 Antonio Pardo Garcia, Gerente Nacional via RCN in Bogota. Radio Amanecer 6025 Fidel Ferrer, Director. Radio K'ekchi 4845 David Daniell, Media Consultant and/or Wayne Berger, Chief Engineer of Radio Cultura. RRI Medan 3375 Sjam Abdoe Brahman. Broadcasting Corporation of Oyo State M.A. Fasoro, Public Relations Manager (DXer!). Radio del Pacifico 9950 J. Petronio Allauca.....via PLAY-DX.



CANARY ISLANDS (continued) Station address: Apartado 1233, 38080 Santa Cruz de Tenerife. (Brouillette-IL).

CENTRAL AFRICAN REPUBLIC: Radio Television Centrafricaine

5034 f/d "African Map" cd. in 44 ds. after 5 f/up rpt. for a FR rpt., 1 IRC and ms. (Van Horn-FL). p/d cd.

in 3 wks. for a FR rpt. and ms. v/s Michel Bata. (Allen-OK). same in 344 ds. after several f/up rpt. for a FR rpt. and ms. (Archer-NC).

CHINA, PEOPLES REPUBLIC OF:

Radio Beijing 9770 "Mao Memorial Hall" cd. in 25 ds. (Mali?) (Zobro-MI). 15440 cd. in 55 ds. (Darling-PNG). Radio Exterior de Espana 7165 via Beijing cd. w/ schedule in 70 ds. (Darling-PNG). Hunan Meteorological Broadcasting Service 10946 cd. via Hunan PBS in Changsha in 48 ds. for SASE. (Darling-PNG). BPM 10000 f/d cd. in 16 ds. (Paszkiwicz). CPBS 5800 via Urumqi f/d cd. in 3 mo. (Barto-CT). Xinjiang PBS 4735 f/d cd. in 2 1/2 mo. (Barto). CPBS 11375, 15670, 6750, 5320, 7770, 5163, 7504, 9064, 8007, 6920, 7935, 6890, 5030, 5420 and 3200 several different cds. in a 3 1/2 mo. period. (Barto-CT). Radio Beijing 5145, 5850, 3960, 11515, 4960 and 7295 f/d cds. in 3 mo. (Barto-CT). CPBC 3950 via Qinghai f/d cd. in 4 mo. (Barto-CT).

CLANDESTINE: La Voz del CID 11635 f/d cd. in 52 ds. for a SP rpt. and ms. Addr: Apto. 8130, San Jose 1000, Costa Rica. (Rugg-QUE). Radio Iran 9400 p/d ltr. in 50 ds. Addr: Iranian Resistance Movement, 17 Boulevard Raspail, 75007 Paris, France. (Gavaras-MN).

COLOMBIA: La Voz del Norte 4875 prepared f/d cd. for an 81 reception in 45 ds. for a SP rpt. and 3 IRCs. This was obtained via a DX friend in Cucuta. v/s Alvaro Barreto Nino, Director. (Wilkins-CO).

COSTA RICA: Faro del Caribe TIFC 5055 f/d "Lighthouse of the Caribbean" cd. in 21 ds. w/ fact sheet and station pennant. (Zobro-MI). Radio Impacto 5030 f/d personal ltr. w/ a red, white and blue station pennant and sticker in 194 ds. for a SP rpt. v/s Hector Requena C., Asesor General. Two IRCs were sent w/ rpt. (Archer-NC).

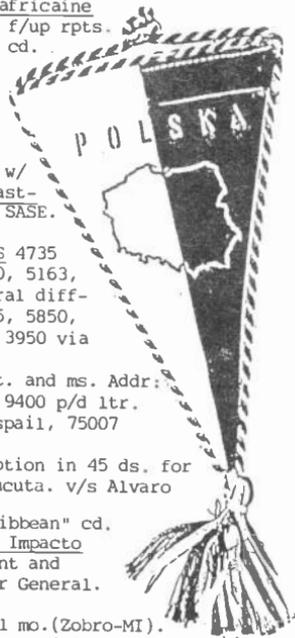
CZECHOSLOVAKIA: Radio Prague 5930 f/d "Kromeriz Château" cd. in 1 mo. (Zobro-MI). OLB5 3170 Time Station p/d "Observatory" cd. in 85 ds. for 2 IRCs. (Wilkins-CO).

ECUADOR: La Voz de Los Caras 4795.5 cd. w/ ltr. in 56 ds. for a SP rpt. and ms. v/s Marcelo A. Nevarez F., Ing. Sonido. (Archer-NC). Escuelas Radiofonias Populares 5015 cd.

w/ personal ltr. and a red, white and blue 20th anniversary pennant in 39 ds. for a SP rpt. v/s Patricio Munoz Jacome. (Archer-NC).

EGYPT: Radio Cairo 9745 f/d cd. w/ stamps, postcard and a station sticker in 1 mo. for 2 IRCs. (Robinson-IL).

ENGLAND: Voice of America 11760 via Woofferton f/d cd. in 26 ds. (Darling-PNG).





LA VOZ DEL CID

Cuba Independiente y Democrática

CERTIFICADO DE SINTONIA

A FIN/PNO B. BUREN.

QUIEN NOS SINTONIZO EL DIA ? / 8811 '988.

DE LAS 32.00 GMT. A LAS 32.20. EMISORA: LA VOZ DEL CID.

EN LA BANDA DE 9900 kHz. MTS. FRECUENCIA 3.11 MHz.

"LA VOZ DE LA RESISTENCIA"

BEATLE RADIO

QSL

Date; Dec 13, 1987.
Times; 0909-0959 UTC.
Freq; 6317.5 KHZ.
SINPO; 23342.
TX; 200w(approx).
ANT; Half wave dipole.
QTH; Ireland.

TO;
Gregg Bares,
P.O.Box 345,
Watertown, CT,
06795 USA.

100% Verification;

V/S DJ Ringo.

EUROPEAN RUSSIA: Radio Moscow
15500 via Moscow f/d "Row-
ing Canal" cd. in 66 ds.
(D'Angelo-PA). same in 52
ds.(Paszkievicz-WI). 15490
via Tula f/d cd. in 66 ds.
(D'Angelo-PA). 17680 f/d
"Lenin Library" cd. in 34
ds.(Archer-NC). 15530 via
Serpukhov f/d cd. in 66 ds.
(D'Angelo-PA). 17625 via
Armavir f/d cd. in 34 ds.
(Archer-NC).

VERIFICATION SIGNERS: Adventist World Radio 9630 via Moyabi Daniel Grisier. Radio Bangla-
desh 4890 Md. Abdur Rashid. AIR Kurseong 3355 H.O. Agrawal. AIR Guwahati 3235 N.C. Jain,
Assistant Station Engineer. RRI Ujung Padang 4719 H.A. Nyongki. RRI Djakarta 4775 M.
Arsyad Subik. RRI Medan 4765 Siam Abdoerahman, Head of Station. KGEI 11715 Alex Koz-
netz. Caribbean Beacon 1610 Gareth Hodge. Radio Nacional de Angola 3354 Carlos Ferreira.
La Voix du Revolution 3300 Laurent Bikumwani, Directeur Technique.... via the German
DX publication "Kurier" and Roland Schultze.

FALKLANDS: Falkland Islands Broadcasting Station 3958 verie ltr. was rcvd.

via BFBS in London from Mike Robertson. He returned my \$1.00! He
expressed his dissatisfaction with FIBS's verification policy.
One disgruntled report for FIBS was forwarded to him
from #10 Downing Street! From what he says it sounds
like the BFBS will establish their own station on MW
there in the Falklands and the FIBS would no longer carry
the BFBS programs. Mike sent a great packet of stickers
and a station patch. Not quite like the real thing but def-
initely worth the effort. Thanks to Van Horn and Paszkiewicz
for the v/s. (Sams)....Great!

FRANCE: Radio Waves International 6271 f/d cds. w/ ltr. and sticker

* along with station information sheets and a studio tape in 1 mo.
for a taped rpt. 50 watts! v/s Peter Hills. (Bares-CT).

GEORGIAN SSR: Radio Moscow 17570 via Tbilisi f/d "Lenin Library" cd.
in 34 ds. (Archer-NC).

GERMAN DEMOCRATIC REPUBLIC: Radio Berlin International 15240, 17880, 9730
and 11785 f/d "DX Vocabulary" cds. in 16 ds.(Zobro-MI). 6125, 17880 and
11785 same cd. in 20 ds. w/ pocket calendar.(Zobro-MI).

GERMANY, FEDERAL REPUBLIC OF: Deutsche Welle 6075, 15510, 13790, 6145, 9545,
13780, 6100, 3995 and 15545 several n/d cds. in 2 1/2 mo.(Barto-CT). Sudwestfunk

7265 p/d "Earth" cd. in 1 mo.
for \$1.00 (returned). v/s I.V.
Dr. Krank, Technical Director.
(Wallace-MA).

GUAM: Trans World Radio KTWR 9785 f/d
cd. w/ schedule in 83 ds. (Rugg-QUE).

GUATEMALA: Radio Mam 4825 f/d form ltr.
in 52 ds. for a SP rpt. and 1 IRC.
v/s Jose Benito Escalante Ramos, Dir-
ector.(Schmitz-FRG). Radio Maya Bari-
llas 2360 f/d "Warrior" cd. w/ a red,
white and blue station pennant, butt-
on and QSL ltr. This in 93 ds. for a
SP rpt. v/s Baltazar Juan, Gerente.
(Archer-NC).

HAWAII: WWHV 15000 folder cd. in 25 ds.
My 200th NASWA country QSLed! (Sch-
uldas-FRG)...Congrats...Sam.

HONDURAS: La Voiz de la Mosquitia 4910
f/d ltr. in 78 ds. w/ pennant for a
SP rpt. and 2 IRCs. v/s Padre Jose
Roldan Brown, Locutor.(Brouillette).

HONG KONG: BBC 15435 n/d cd. in 72 ds.
for a rpt. sent to site.(Rugg-QUE).



RADIO STELLA INTERNATIONAL

23 SOUTH BEECHWOOD, EDINBURGH EH12 5YR, SCOTLAND

TO: GREGG BARES, WATERTOWN, U.S.A......

This letter confirms your reception of RSI as detailed below:-

Date: 29.11.87.....
Time: 0922-1025 local.....
Frequency: 7422 KHz.....
TX Power: 150 wtt.....

RSI broadcasts to Western Europe via transmitters located in Scotland and
is a free radio station.

Programming originates from Scotland and transmission normally occurs on
the second and fourth Sundays of each month, singly on 41 and 48 metres
respectively.

RSI should next be audible on (see Spring Newsletter).....
betweenBST onMS.

Reception reports and record requests are always welcome, as are
comments/suggestions.

I trust that our popular music programmes are to your liking and that
you will continue to tune in.

Your interest is greatly appreciated and I look forward to hearing from
you again. Many thanks for writing.

S.W. week end sound
RADIO WAVES INT
 R.W.I confirms your report heard in: USA
 S.I.N.P.O 2.2.4.4.1
 Relay Station _____
 From Peter Hills
 Many think 73' and dx

QSL N° 88/04
 Date 27/12/87
 On 6271 kHz
 From 48 Mb
 Time 0759
 To 08.5. (gfm)
 Sean Gregg 1~US Report.

IRELAND: Beatle Radio 6317.5 via The Scottish Free Radio Network f/d cd. w/ ltr. in 1 mo. for a taped rpt. w/ printed transcript and ms. 200 watts! v/s Ringo stated that this Norwegian based operation has since disbanded. (Bares-CT).

JAPAN: J7Y 8000 f/d cd. in 11 ds. (Paszkiewicz-WI). f/d cd. w/ personal ltr. and a souvineer sheet of Japanese stamps for * \$1.00. (Robinson-IL). NHK 3377.5 via Osaka f/d prepared cd., station cd., and a personal ltr. in 33 ds. after a f/up rpt. for ms. v/s Mr. Hideo Ishida, Radio Engineer. (Allen-OK).

NOTES: Bill Plum from Flemington, NJ write to say that he is currently starting to DX once again and sending a few follow up reports to some stubborn QSLers. Lots of luck...Sam. Roland Schulze from Germany writes that he has just returned from a vacation in Asia. He was in Sri Lanka and meet Victor Goonetilleke (457VK). Roland and his wife also visited Singapore and the Philippines. Wish I was with you! Sam. Gerry Bishop in FL says that DX has been just short of terrible - mostly due to a great deal of line noise. Gerry, do you miss the snow down your way. At least up here I don't have to dodge tornados. Hi! Richard Davis in NM writes that he was very happy with his recent QSL from Uganda but he was a bit perplexed (as I was too!) with the letter requesting "contributions" from Mr. Lubega. Rich...I also received the same letter with the Japanese forwarding address. Kind of confusing but maybe the American dollar speaks very loud overseas. I kind of figured this would happen after \$ started to replace the IRC...Sam. Also received a letter from a new member Steve Foley in Bronx, NY. He joined the club in April and is getting into the swing of things. Great! Donna Robinson said that she was thrilled with the letter that she received from the FIBS; however, it stated that she should send another report with more details. She sent it to the BFBS in the hopes of a QSL since the original report was very detailed. In the original letter from the FIBS they stated that they consider their QSL to be as valuable as "Gold Dust"!

JAPAN: NHK 6005 via Nagoya ltr. in 34 ds. for 1 IRC. (Darling-PNG).

KAZAKH SSR: Radio Moscow 9610 via Alma Ata f/d cd. in 48 ds. after a f/up rpt. (Paszkiewicz).

KENYA: Voice of Kenya 4934 f/d aerogram asking for more rpts. in 1 mo. for 2 IRCs. (Robinson-IL).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Archery - Aiming for the Gold" cd. in 23 ds. w/ schedule. (Zobro-MI).

LATVIAN SSR: Radio Riga 5935 f/d "Komsomolskaya Embankment" cd. in 115 ds. v/s R. Visner, Mailbag Editor. (Archer-NC).

LIBERIA: ELWA 11830 n/d "View of ELWA" cd. in 85 ds. v/s J. Tokeh. (MacHarg).

MALI: Radio Beijing 11715 f/d "Peihai Park" cd. in 20 ds. w/ site. (Wallace-MA).

MALTA: Deutsche Welle 9585 n/d cd. in 3 mo. (Barto-CT).

MARSHALL ISLANDS: WSZO 4940 p/d ltr. in 388 ds. after a f/up rpt. w/ a tape. (Rippel-VA). p/d ltr. in about 1 yr. v/s Peter Boon. He stated that he recently found several unanswered rpts. (Wallace-MA). p/d form ltr. in 402 ds. for a taped rpt. (Washburn-ME). 6070 personal ltr. in 32 ds. (Schulze).

73S
 W L R
 From
 SCOTLAND
 Q S L
 48m 41m SW

TO: Gregg...Barto.....
 DATE: 29.12.87.....
 TIME: 10:15.4M.....
 FREQ: 6317.5. kHz...A8mb SW
 POWER: 250 watts.....
 ANT: Centre. f/d. 2 wires. dipole.

S.W. week end sounds
RADIO R.W.I
 Date: 27/12/87
 On: 6271.1 kHz
 ...48 Mb
 SIMPO: 2.2.4.4.1
 Time: 0759 to 0850. gmt
 Tnx & good DX's in F.F.F.R.I

87 = QSL N° 88/04
 86 85 84 83

Since 1983

MARTINIQUE: ORTF 3315 long, friendly personal ltr. w/ a vague verification statement for a FR rpt. and \$1.00 after a f/up rpt. v/s G. Bouchaert, Secretaire de TDF Martinique. Stickers and station information rcvd. This was for a 1976 reception. (Sams)...Great!

MOLUKU: RRI Ternate 3345 p/d ltr. in 1 mo. for an IN rpt. and ms. This after 2 f/up rpts. v/s Rusdy Bachmid. (Sams).

MONSERAT: Deutsche Welle 9565 n/d cd. in 6 wks. (Robinson-IL). 11810 and 11865 n/d cds. in 3 mo. (Barto).



via Ed Rubin

Abonnement Nachts aus dem Westfalen-Verdarsch
 Rural Consulate from the Westfalen-Verdarsch
 Consulate International Payson de la rando de
 Westfalen-Verdarsch
 From Office del Westfalen-Verdarsch



RADIO ÖSTERREICH
 INTERNATIONAL
 RADIO AUSTRIA
 INTERNATIONAL
 RADIO AUTRICHE
 INTERNATIONALE
 RADIO AUSTRIA
 INTERNACIONAL

v/s Timothy Dickson, Engineering Division. (Allen-OK). Radio Southern Highlands f/d ltr. w/ cd. in 73 ds. for ms. (not used) v/s Jack Bata. (Rippel-VA). Radio Gulf 3245 n/d ltr. in 2½ mo. for ms. v/s Timothy Akia, Assistant Manager. (Witte-CA). personal ltr. in 52 ds. v/s Daniel Mailau, Acting Station Manager. (Schulze-FRG). Radio Milne Bay 3360 personal ltr. w/ cd. in 2 yrs. for an 86 reception while I was in Bali. (Schulze-FRG)... Gee Roland you got it real tough: Hi! Radio Western Highlands 3375 f/d cd. in 90 ds. for ms. v/s Paul K. Ray, Acting Station Manager. (Van Horn-FL). NEC 4890 cd. w/ schedule in 139 ds. for \$1.00. (Arland). f/d cd. in 2 mo. w/ schedules. v/s Timothy Dickson. (Rubin)

PERU: Radio del Pacifico 9950 f/d personal ltr. in 29 ds. for a SP rpt. and IRCs. (D'Angelo). Radio Maranon 4835 f/d cd. in 2 mo. (Barto-CT).

PHILIPPINES: VOA Poro/Tinang 15290, 11775, 17740, f/d cd. in 20 ds. (Darling). 11760, 15185 f/d cd. in 22 ds. (Darling). 9770, 11760, 17820, 17740, 15305 f/d cds. in 26 ds. (Darling). 15185, 15425 and 17865 f/d cds. in 29 ds. (Darling). 9725 f/d "Lady Liberty" cd. in 43 ds. (Wilkins). 9760 f/d cd. in 43 ds. (Wilkins).

POLAND: Radio Polonia 7270 f/d silver and black "Logo" cd. w/ sticker and schedule in 60 ds. v/s Miroslaw Lubon, English Section Editor.

PORTUGAL: Deutsche Welle 21680 and 15245 via Radio Trans (Zobro). Europa n/d cd. in 3 mo. (Barto-CT).

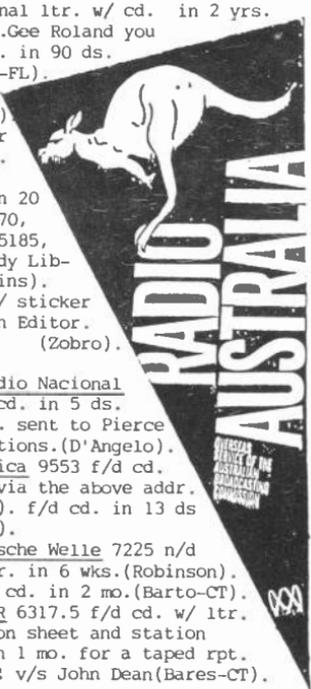
VERIFICATION SIGNERS: RAE 15345 B. Heyer. Radio Bras G. Einstoss. Radio Nacional de Manaus 4845 Eudson Monteiro. Radio Cultura do Para 5045 Francisco Cesar Nunes da Silva, Director. Radio Nacional Tabatinga 4815 (same as Manaus). La Voz del Napo 3280 Ramiro Cabrera, Director. Radio Halgan 9590 Abdirashid Aden Sad. Radio Atlantida 4790 Ivan Tenorio Matute. Radio Capital 4850 Manuel Correa, Gerente. KFBS 9465 R. Wiens and Joe Sam. Radio TV Luxembourg 6090 Peter Bronclik. ERF Monaco 7205 Marquart and Baum. WHRI 21700 Darellyn van Tassel. Radio Ilimani 4945 Carmelo de la Cruz Huanca. ORTN Niamey 3260 Yacouba Alwali. BBC Relay Station Ascension Island 15400 S.M. Wadsley, Engineer. Radio Oman 9735 Rashid Haroon. Radio Panamerica 6105 Daniel Sanchez Rocha. Radio Jesus del Gran Poder 5050 P. Jorge Enriquez. Radio Lira International 15460 David J. Gregory. Radio Free Grenada 15045 George Grant. Radio Mam 4825 Jose Benito Escalante ramos. Educacao Rural 4755 Ailton Guerra, Gerente. Radio San Miguel 3310 Hector Salas Takana, Director. Estacion "C" Moyobamba 6324 Roquimil Centurion Tapia. Radio Valera 4840 Jose Silvino Perez..... via Roland Schulze and "Kurier"

NEW IRELAND: Radio New Ireland 3905 f/d ltr. in 33 ds. for 2 IRCs. (Robinson-IL).

PAKISTAN: Radio Pakistan 15115 f/d cd. w/ schedule and ltr. asking for more rpts. in 42 ds. for 2 IRCs. (Robinson-IL). 11639.9, 9495 f/d "Logo" cd. in 1 mo. (Barto-CT). 9465, 15605 and 11615.1 f/d "Broadcasting House" cd. in 2 mo. (Barto). 9475, 9795 and 7365 f/d cd. in 2 mo. (Barto).

PAPUA NEW GUINEA: Radio Simbu 3355 f/d "Map/Logo" cd. * in 154 ds. after a f/up rpt. for ms. and \$1.00.

Division. (Davis-NM). Radio Enga 2410 p/d ltr. in 4



RIO MUNI: Radio Nacional 5004 f/d cd. in 5 ds. for a rpt. sent to Pierce Communications. (D'Angelo). Radio Africa 9553 f/d cd. in 5 ds. via the above addr. (D'Angelo). f/d cd. in 13 ds (Rugg-QUE).

RWANDA: Deutsche Welle 7225 n/d cd. w/ ltr. in 6 wks. (Robinson). 15270 n/d cd. in 2 mo. (Barto-CT).

SCOTLAND: WLR 6317.5 f/d cd. w/ ltr. * information sheet and station sticker in 1 mo. for a taped rpt. 250 watts: v/s John Dean (Bares-CT).

VOA Radio Martí Program
 Washington, D.C. 20547

via Edward Rubin

VERIFICATION CARD

We are pleased to confirm your reception of Radio Martí on
 January 23, 1988, on L935 MHz, at 1430-1445
 U.T.C. Thank you for your interest in Radio Martí. We hope you
 will continue to enjoy our programs.

Josef Martí (1853-1895). Cuban poet and essayist, patriot and martyr who became the symbol of Cuba's struggle for independence. Martí's dedication to the universal causes of human rights, freedom of expression and dignity of mankind made his name synonymous with liberty throughout Latin America.

Radio Tashkent

via Joe Zobro



QSL

SCOTLAND: Radio Stella International 7423

* 6317.5 f/d QSL sheets in 2 mo. for separate written and taped rpts. v/s Jock Wilson said the transmitters were 150 and 200 watts respectively. Also rcvd. personal ltr., information sheets and a studio tape. (Bares-CT)...Great...Sam. Gregg says that the two stations above jointly operate the Scottish Free Radio Network. QSL statements notwithstanding, it is possible the transmitter site(s) may be other than in Scotland. (Bares-CT).

SEYCHELLES: FEBE 15325 f/d "Globe" cd. in 41 ds. v/s Mrs. Doreen Dugas, QSL Secretary. (Archer-NC).

SICILY: RAI 6060 via Caltanisseta f/d "Garbaldi" cd. in 70 ds. (Rubin-NY). 7175 f/d cd. in 38 ds. for 1 IRC. (Rugg-QUE).

SOUTH AFRICA: Radio Orange 7285 personal ltr. w/ sticker and a n/d cd. in 114 ds. for 1 IRC. (Robinson-IL).

SPAIN: Radio Exterior de Espana 6125, 9360, 9630 and 15365 (Canary Is.) f/d "Plaza de Espana" cd. in 42 ds. for a SP rpt. (Brouillette-IL).

SPANISH MOROCCO: Radio Medi Un 9575 cd. in 5 wks. for a FR rpt. and \$1.00. Sticker and schedule were rcvd. (Sams).

SULAWESI: RRI Kendari 4000 p/d ltr. in 41 ds. after a f/up rpt. in IN for ms. v/s H. Sjahbuddin, BA. Addr: Jalan Laute No. 44, Kotak Pos 7, Kendari 93111, Sulawesi Tenggara, (Allen-OK).

SUMATERA: RRI Palembang 4856 f/d "Tradition Houses" cd. in 70 ds. for an IN rpt. and ms. v/s Drs. Abdul Rochim. (Allen-OK).

RRI Jambi 4927 f/d form ltr. in 5 wks. for an IN rpt. and ms. v/s H. Ali Amran. (Sams). RRI Padang 4002.8 f/d personal ltr. in 19 ds. for an IN

rpt. v/s Drs. H. Syamsul Muin Harahap, Kepala Stasiun. (Archer-NC). RRI Sibolga 3241.5 p/d ltr. in 35 ds.

* after a f/up rpt. and ms. (Allen-OK). RPDTK2

Labuhan Batu, Rantau Prapat 3804 p/d personal ltr. in 3 wks. after a f/up rpt. in IN for ms. v/s Khairat Anwar Nasution, Station Announcer. This was for 81 and 82 receptions. Station is now on 3880. (Sams).

SWEDEN: Radio Sweden International 15390 and 21690 f/d "Stockholm in May" cd. in 12 ds. Sticker rcvd. v/s A. Sjoblom. (Zobro-MI). 17770 via Varberg f/d cd. in 15 ds. for 2 IRCs. (Brouillette-IL).

SWITZERLAND: Swiss Radio International 9885 and 13685 f/d cd. in 2 mo. (Barto-CT). (Robinson-IL).

TANZANIA: Radio Tanzania 9684 f/d cd. in 67 ds. for 2 IRCs.

URUGUAY: Radio Monte Carlo 9595 f/d form ltr. w/ stickers in 145 ds. for a SP rpt. v/s Ana Ferreira Bonino. (Archer-NC).

USA: KUSW 15225 cd. w/ sticker and schedule in 35 ds. (Schulze).

VENEZUELA: YVTO 6100 p/d cd. in 50 ds. for a SP rpt. v/s CN. Pedro Pablo Leon, El Director. (Archer-NC).

VIETNAM: Voice of Vietnam 15010 f/d cd. in 97 ds. (Rugg-QUE).

ZAMBIA: Radio Zambia 9580 f/d cd. in 31 ds. for 3 IRCs. v/s W. Lukozu. (Wilkins-CO).

Thats it for this time. I left out a few reports near the end but they will all be in the next column.

Best of DXing and QSLing.....Sam.

Sam

POST CARD

Dear Listener,
Thank you for your Report
This confirms that you were
listening to NBC on 4/3/85
at A.E.T.
1100-1113 G.M.T
This Transmitter is located at
Port Moresby and operates on
2890 khz. 60 metres
Power 10 kW.
Triadic array aerial system.
REMARKS: via Ed Rubin

*EDWARD The station you
heard is our regional Service
which is located in the
Capital of PNG Port Moresby*

*I have checked your
report with our station
log and confirmed that
you did listen to NBC.
Please find enclosed our
Current Programme Service
Schedule for your
information.*

*Kind regards
Timothy Dickson
ENGINEERING DIVISION*





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

The following folks made this issue of FRENDX possible:

John ANYWODI, Lexington, VA
Rowland ARCHER, Raleigh, NC
Kevin ATKINS Birmingham, AL: Icom R70; Collins R390A
Richard D'ANGELO, Wyomissing, PA
Peter DILLON, serving with the U. S. Forces in Greece: Radio Shack DX400
Richard ECKMAN, San Jose, CA
Kurt ENKENHUS, Silver Spring, MD: JRC NRD515
Rufus JORDAN, Pittsburgh, PA: Radio Shack DX302, Zenith Transoceanic
Chuck RIPPEL, Virginia Beach, VA: JRC NRD 525; Icom 761
Jim STREITMATTER, South Bend, IN: Panasonic RFB300
David SWARINGEN, Huntersville, NC: Kenwood R5000; Panasonic RF2200
Ron TROTTO, St. Cloud, FL
John TUCHSCHERER, Neenah, WI: Icom R70; Yaesu FRG7700
Terry WEINHOLD, Denver, PA: Yaesu FT-ONE

and me, John M. Kapinos, Shrewsbury, MA: One 1.75 liter jug of Tanqueray,
One 12 ounce bottle of Canada Try Tonic Water and One very small lime along
with a very large thirst

***** IMPORTANT NOTE *****

I will be away on a trip beginning August 11. Thus the deadline for contributions for the September FRENDX will be August 10. Arrangements have been made for the material to be mailed to the editors on August 11. If this early deadline is inconvenient, you may of course send your contributions directly to the column editors. Thank you for your patience and understanding in this matter

John Henault, the regular editor of this column, is recuperating, albeit slowly, from the injuries he suffered in his May 7 accident. It now looks like it will be some time before he is able to resume his regular NASWA duties so keep sending your contributions to me until further notice. It is safe to assume that I will remain as "guest editor" until at least the December issue of FRENDX.

The summer doldrums have certainly stricken, but we broke a record this month. Every single contributor not only cut their loggings into strips but also sorted them in ascending frequency order. For this I thank you very much.

Kevin Atkins came up with the excellent suggestion that any Editor who has access to a FAX machine mention such in his column. Great idea Kevin. I might add that any Editor with Electronic Mail receiving capabilities might also mention same.

To those who don't regularly read our "Awards Page", we'd like to mention that we have the NASWA Country List and Awards Booklets available for \$2.00 postpaid in North America and \$3.00 via Air Mail elsewhere.

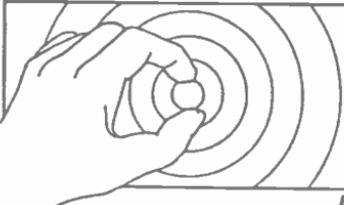
Our congratulations to the following folks who were presented Awards at the recent ANARC Convention in Orange County, CA:

North American Short Wave DXer of the Year: NASWA's own Tom Sundstrom
International Short Wave DXer of the Year : Pinn Krone
Specialty Band DXer of the Year (TIE) : Ernest Cooper and Robert French
Broadcaster of the Year : Ray Briem of ABC Talkradio

It was again our pleasure to serve as ANARC Awards coordinator this year.

Till next month

BES



LOG REPORT

section A

2000 to 4899 kHz

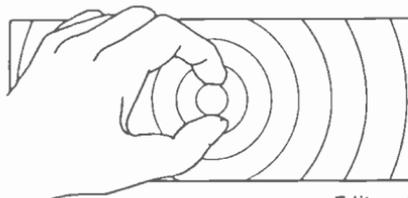
Editor: Mike Harris, P.O. Box 294, Pickerington, OH 43147

Well, a funny thing happened on the way to the ANARC convention..or so the story goes. I was involved in an auto accident in California and missed the festivities this year. My head cracked the windshield of the rental car we were using. I could have told the doctor my head was hard, hi!! A rather light turn-out this month so let's get to it....

- 2485 AUSTRALIA. ABC Katherine. 0912. EE. Sports reports, ID at 0915, and talk about local TV programmes. (21/6 Trotto-FL)
- 3235 PAPUA NEW GUINEA. R. West New Britain. 1013-1033. Usual mix of local music and U.S. pop's. YL w/ ID. (11/6 Atkins-AL)
- 3250 HONDURAS. Luz y Vida. 0400. Soft IF by male anncr with announcement of all broadcast freq's. (26/6 Trotto-FL)
- 3260t PAPUA NEW GUINEA. R. Madang. 0930-0950. Hymns. (12/6 Atkins-AL)
- 3285 BELIZE. RB. 0434. Reggae music, OM DJ with talk. (26/6 Trotto-FL)
- 3325 PAPUA NEW GUINEA. R. North Solomans. 0945-1000. Mix of MOR and island music. ID and news @ 1010. (15/6 Atkins-AL)
- 3330 RWANDA. R. Rwandaise. 0255-0335. VN/FF. Here most night's lately. IS starts around 0255, then instrumental NA @ 0259. YL anncr in VN ar 0300 followed by OM in FF at 0302. (25/6 Archer-NC)
- 3905 PAPUA NEW GUINEA. R. New Ireland. 1050-1105. Male DJ w/prog of pop's and local choral music, ID. (18/6 Archer-NC)
- 4700 PERU. R. Wuaria. 0250-0310. LA songs with ID. (21/6 Tuchacherer-WI)
- 4790 PERU. R. Atlantida. 0945. Andean music. (10/6 Anywodi-VA)
- 4819 ECUADOR. Paz y Bien. 0951. Religious pgm. (10/6 Anywodi-VA)
- 4630 VENEZUELA. R. Tachira. 1003. S/on w/anthem by small chorus, freq anmts, then salsa mx. (12/6 Anywodi-VA)
- 4835 MALI. RTVM. 0557. Harp IS, march-like NA, ID per WRTH. Then into African vocals. (16/6 Eckman-CA)
- 4845 INDONESIA. RRI Ambon. 1025-1100. Music--some piano, island type lagu, even a latin tune on trumpet. ID. (18/6 Atkins-AL)
- 4850 DOMINICAN REPUBLIC. R. Clarin. 0320-0420. Music pgm, mostly of pop standards, OM with ID. (28/6 Jordan-PA)
- 4865 COLOMBIA. LV del Cinaruco. 0305-0403. LA vocals, CARACOL ID's, TC @ occasional DJ chatter. 0400 ID and S/off anmts. (11/6 D'Angelo-PA); @ 0041 with lively pops and ID's. (17/6 Jordan-PA)
- 4871 INDONESIA. RRI Wamena. 1053. Vocal music. Possible news. Fade at 1109. (25/6 Atkins-AL)
- 4885 BRASIL. R. Clube do Para. 0353-0403. Vocals to ID and S/off anmt by OM. Carrier cut w/ no anthem. (5/6 D'Angelo-PA)
- 4890 PAPUA NEW GUINEA. NBC Port Moresby. 1030. EE BBC pgm interspersed w/ more local talk by YL. (10/6 Rippel-VA)

Well I said a light turn-out and I meant it!!!! Let's do a bit better next month. Until then, 73 and CHEERS !!!!!

mbie



LOG REPORTS

section B

4900 to 6199 kHz

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

Slim pickins this month . . .

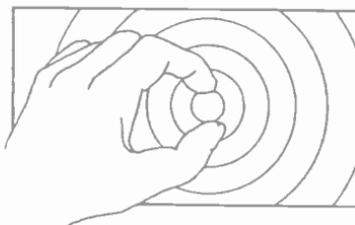
- 5010 MADAGASCAR Tananarive, hi-life mx at 0315 on 6-7, talk by M&L, ID at 0330; fair signal (Atkins-AL).
- 5030 COSTA RICA R. Impacto, nice mix of US pops and ballads on 7-1 at 0838, many "Impacto" ID cut-ins, ammts, TCs, fqy annmt, possible nx at 0300; fair-good sig (Jordan); back at full strength at 1040-1100 on 6-30, good signal, no sign of harmonic on 10060 (D'Angelo-PA).
- 5045 BRAZIL R Cultura do Para, in PT at 0415-0432 on 6-25, Brazilian pops, EG ID at 0416, ". . . R. Cultural, 5045 kHz, tropical wave, in the 60 meter band . . . Belem, Para, Brazil." PT ID 0418, more pops and IDs (Archer-NC).
- 5060 ECUADOR R Nacional Progreso, LA mx at 0257 on 6-26, TCs and talk between selections to 0308 s/off ID, ammts and NA; no QRM, but poor signal (D'Angelo-PA).
- 5256 INDONESIA Tent. RRI, Sibolga, 1045-1115 on 6-19, soft pops to 1059, then SCI to 1100, man with Jakarta mx, pops again after the nx. No IDs but definitely SCI. Jakarta-4775 in well. Man in Indo also hrd on 4000.3 at 1032, faded rapidly after 1034--Kendari? (Archer-NC).
- 5567.3 COLOMBIA R. Nueva Vida, religious talk at 0143 on 6-29, mx at 0157; no clear ID at 0158*, QRN (Tuchscherer-WI).
- 5930 CZECHOSLAVAKIA Prague at 0300-0345 7-5, nx on Iranian shoot down, sports, Czech Folk mx, all EG; 0320-0345 6-9, "Scrapbook" prgm, also EG (Swaringen-NC).
- 5960 CANADA R. Japan over RCI, good in EG at 0105 on 6-28, talks on economics, food prices, talk about India (Levison-PA).
- 5985 USA VoFC over WYFR, EG 0209 6-28, talk on athletics, good signal (Levison-PA).
- 6000 GFR presumed. DW in Turkish at 1702-1725 on 6-9, fair sig with world nx, current affairs, rpts on Turkey, India; ID (Dillon-GREECE).
- 6020 BRAZIL R Gaucha, 0824-0857 6-6, frequent IDs, ad, 0830 pips under ID, long talk Features, also pips at 0845 during interview segment; open carrier covered fqy at 0856 (RN?). Poor sig overall (D'Angelo-PA).
- 6060 ARGENTINA R. Nacional, 0813-0902 on 6-18, poor signal with mix of rock vocals and ammts to 0829, ID, fqy, TC, ammt by man, live prgm of Argentine folk mx; 5+1 pips at 0900, noticias by gal (D'Angelo-PA).
- 6090 LUXEMBOURG R. Luxembourg, in EG at 0055-0115, pops (Swaringen-NC).
- 6110 ASCENSION IS. BBC relay, *0015 on 6-25, good signal, IS, ID by man, beamed to Latin America; chimes, wx, all Spanish (Trotto-FL).
- 6140 CUBA Havana, talk about NATO, USA, pop mx, in EG 0235 7-5 (Swaringen-NC).
- 6140 SOUTH AFRICA R. RSA, *2300 on 6-24, good signal with IS, ID by man, SP nx, another ID 2303 (Trotto-FL).
- 6180 BRAZIL R. Nacional da Amazonia, PT speech at 0902 6-16, applause, later two men anncrs with fast talk, IDs, TCs and lively Brazilian vocals; good signal (D'Angelo-PA).
- 6180 CYPRUS BBC relay, in EG at 1355-1410 6-12, Beatles "Help," nx summary, rock mx request show, fair, //15070 (UK) (Dillon-GREECE).

With this issue, yours truly is hanging up his phones as LR-B editor, after eight years at the typewriter. Hopefully this will give me a little more time to spend at my "other" hobby job, the Committee to Preserve Radio Verifications. I am happy to be passing the baton to an experienced DXer (and friend) as LR-B's new editor, Sheryl Paszkiewicz, 1015 Green Street, Manitowoc, Wisconsin 54220-6231. Sheryl has been a long time supporter of Log Report, and we are fortunate that she has agreed to take over.

CPRV is going very well. The Committee was established a year and a half ago as a committee of ANARC, with the goal of saving from loss or destruction those QSLs belonging to hobbyists who have passed away or given up the hobby. Our material is kept at WCSN's Boston headquarters. So far we have managed to save nearly 12,000 QSLs that were probably destined for the trash. Some of this material goes back to the 20's, and belonged to some of the great names in the hobby, like August Balbi and Paul Kary. We handle MW and utes, plus amateur (only especially distinctive pre-1950 amateur stuff, please), as well as SWBC. If you know of any QSLs that could use a new home, let me know.

Thanks for your support over the years. Now, over to Sheryl . . .

73--



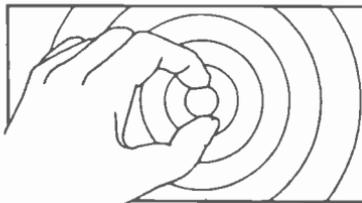
LOG REPORT

section C

6200 to 11699 kHz

Editor: Jerry Irvine, Box 5204, Hidaigo, TX 78557

- 6248 VATICAN Vatican R. 1432-1450 POLISH Rel. mass, ID by priest during homily. f. //9845 g.// 11740 f./qrm (Dillon-GREECE 6/12)
- 6995 CUBA CLX-Casa Blanca 1852 SP yl/wx, off abruptly @1857* carrier ?CFL-ed-7? SIO-444 (Trotto-FL 6/16)
- 7065 ALBANIA R.Tirana 2330-2357 EG nx, ment. Israel & Persian Gulf. Albanian pop mx; (Swaringen-NC 7/4)
- 7140 CYPRUS BBC Relay 1531-1600 AR tk abt Ramadhen, mod AR mx, list of names & countries, pen pals; ID. vg. (Dillon-Greece 8/15)
- 7205 ALBANIA R.Tirana 1615-1630 AR class. mx, opera; ID, tk @OPEC, Amer. imperialism; NA. vg. Dillon-Greece 8/9)
- 7240 YUGOSLAVIA R. YUGOSLAVIA 1630-1655 AR IS, ID,wld nx by om, cmtry abt socialism. AR mx. f. (Dillon-Greece 8/9)
- 7265 GERMANY presumed. 0120-0136 GM om,yl DJ's w/EG rock. Ments of Baden-Baden. usb cuts ham QRM; (Archer-NC 6/19)
- 7355 USA WRNO 0150-0210 EG 'The Jazz Show'/ D.Sanborn; (Swaringen-NC
- 9022 IRAN VOIRE 1545-1605 RS yl tk abt wld affairs. ID. f. (Dillon-Greece 8/10)/ 2345 PERSIAN om tk, ID, tk/nx, class. mx. ID. // 15084. SIO-434. (Trotto-Fl 6/22)
- 9220 KOREA DPR R.Pyongyang 1525-1547* AR tk abt rev. Korean people, ID byom, NA, S/off. (Dillon-Greece 6/15)
- 9435 ISRAEL KI 2300 EG (Weinhold-PA FT-ONE)
- 9445 TURKEY VOT 0301-0320 EG rev. of Turkish press; 6/9 / 2230-2245 'The Armenian File', mx pgm; (Swaringen-NC 7/4)
- 9475 EGYPT R.Cairo 0320-0329* EG wld nx, NA, s/off; (Swaringen-NC)
- 9495 PHILIPPINESFEBC 0958 AMOY (pres) ID,IS [TNX RH for tip] SIO-232 (Anywodi-VA 8/19)
- 9505 PHILIPPINES R.VERITAS 0954 UNK. ID, freq, mx. SIO-222 (Anywodi)
- 9509 ALGERIAR. Algerienne 0566 FR yl ancr, mx,ID, nx. SIO-434 (Trotto
- 9540 MADAGASCAR R.Neth. 2113-2125 EG 'Air Time Africa pgm, interview of Ed of 'African Guardian', Media Echoes pgm.ID(Enkenhus-MD 6/17
- 9575 ITALY RAI 0100-0120 EG Accordion mx, LA jazz. f. (Foell-LA 6/23
- 9610 USSR RM 0230-0245 EG Soviet life, science & eng.ex.(Foell-LA)
- 9620 YUGOSLAVIA RY 2114-2155 EG/FR IS, ID, pgm. QRM (Enkenhus-MD 6/18
- 9640 USSR R. Kiev 0200-0210 EG nx, cmtry on Pentagon.f (Foell-LA 6/22
- 9640 LITHUANIAN SSR R.Vilnius 2209-2229* EG om & yl tk abt local rally by perestroika initiative. g. (Enkenhus-MD 6/27)
- 9655 ECUADOR, HCJB 0618 GM/FR DX pgm. time pips, ID into French. frequency not listed in RTH or 88 Database.SIO-444(Trotto-FL)
- 9660 VENEZUELA R. Rumbos 2340-2350 LA mx, ID by om, mx, SIO-232 (D'Angelo-PA 6/5)
- 9680 MEXICO XEQQ La Q 1213-1242 SP BBC IS from 1210, fade. Pops, promos, om ancr, canned ID. de Mexico City, more pop mx (Archer)
- 9685 TURKEY TRT 2230 EG Turkish press; (Weinhold-PA 6/7)
- 9695 SWEDEN RSI 0245-0257 EG Orch. mx by Karl Ni:sson (Swaringen-NC)
- 9725 SWITZERLAND SRI 0200-0215 EG wld SW nx, cmtryon PLO (Foell-LA)
- 9750 USA,ALASKA KNLS 1542-1605 EG Pop mx, ID's, freq. om & yl ancrs (Tuchscherer-WI 6/28)
- 9835 UAE VouAE 0238 AR Q'ran, tk, 6 time pips, anthem, nx (Atkins-AL
- 9835 HUNGARY RB 0133 EG DX news items. SIO-434 (Levison-PA 6/17)
- 9895 NETHERLANDS RNW 0252 EG .Part II of highlights from EDXC convention in Antwerp, Belgium. This channel only audible in HI during winter. f. (Park-IL 6/2)
- 9925 BELGIUM BRT 2100-2125 EG 'Brussels Calling' press rev. re.Wx and Rock festival featuring Sting, Inxs. (Swaringen-NC 7/4)
- 9900 EGYPT R. Cairo 1900 GM Chimes at hour, ID by yl ancr. Tk, into Egyptian. pgm, ID. SIO-343 (Trotto-Fl 6/22)
- 10060 COSTA RICA R. Impacto 0020-0034 SP Pop vocals, om w/ID, mx, ID, 'Typewriter Song'. nx, SIO-454. Pos. harmonic of 5030 or new freq. GN's LN reports pennant showing 5030-July FRENDX(D'Angelo
- 11550 TUNISIA RTT 2202-2220 AR nx, mx, yl ancr,prayers, ex(Tuchscherer
- 11685 SAUDI ARABIA BSKSA *0357-0425* Lang. Unable tp // 15060, lcl QRN, IS, s/on w/stringed instr. and AR melody. 5 time pips, ID in Lang. Q'ran, closing w/ cmts, NA. (Streitmatter-IN 6/14)



LOG REPORT

section D

11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

- 11700 DOMINICAN REPUBLIC R. Mil in SP 2159, ID's, TC, ads, nx, presume this is old R. Clarin xmitter, f-g (D'Angelo PA 6/7) ED: See also p. 23 IN in July FRENEX.
- 11750 SINGAPORE BBC relay in EG 1445, tennis match from Wimbledon (Tuchscherer WI 7/1)
- 11750 BULGARIA R. Sofia in EG 0335, cmntry on EG lang & love, g (Leivison PA 6/26)
- 11760 NORWAY RNI in EG *0355, repeated ID's & IS prior to s/on, f (Streitmatter 7/3)
- 11788 INDONESIA V. of Indonesia in IN/FR 1241-1333, pop mx, ID in EG 1300, then into FR pgm with W DJ (Enkenhus MD 6/18)
- 11810 IRAQ R. Baghdad in EG 0133, mideast mx, ID at 0152 (Tuchscherer WI 6/9)
- 11815 JAPAN RJ in EG 1501, nx, ID's (Tuchscherer WI 7/1)
- 11900 NO. MARIANAS KYOI Saipan in EG 1409, Chris. Sci. Mon. pgm, nx (Tuchscherer 6/22)
- 11905 ITALY RAI in EG 0350, Govt. debate on sale of F-16 to IT (Streitmatter 6/19)
- 12005 TUNISIA R. Tunis in AR 1515, AR mx w/live audience, ID 1600 (Dillon GREECE 6/20)
- 12035 SWITZERLAND SRI in SP 2130, intl nx, ID 2138, exc (Swaringen NC 7/4)
- 12045 NEW ZEALAND RNZ IN EG 0350-0500+, pop mx, tlks, "Art Calendar", big band mx, ID, TC, BBC pgm followed, f (Jordan PA 6/5)
- 12080 ISRAEL Kol Israel in EG 2320, pgm on nutrition & dental care (Swaringen NC 7/4)
- 12095 UNITED KINGDOM BBC in EG 2245, sports roundup (Swaringen NC 7/4)
- 14802usb KIRIBATI R. Kiribati in lang. 0958, discussion on subject of broadcasting?, roll call voice vote (Anywodi VA 6/13) s/off ancmts & NA 1059 (Rippel VA 6/10)
- 150097 VIETNAM VoV in EG 1900, ID, IS, nx, p due to severe intermit. noise (Anywodi VA)
- 15055 TAIWAN WYFR via VOFC in EG 1325, relig tlk, "Open Forum", f (Anywodi VA 7/2)
- 15070 UNITED KINGDOM BBC in EG 1532, "The Pleasure's Yours", nx (Dillon GREECE 6/9)
- 15140 CHILE R. Nacional in SP 1247, sports news, ads, ID's, nx, mx (Enkenhus MD 6/21)
- 15165 DENMARK RD in DN 1723-1731*, nx magazine pgm, ID in DN/EG 1730 (Enkenhus 6/17)
- 15230 IRAQ R. Baghdad in EG 2030, nx, mx, g-exc (Porinchak OH 7/3)
- 15235 LIBYA V. of the Great Arab Homeland in AR 1220, AR mx, ID 1225, patriotic songs, home service ID 1230 after bells, Mideast nx, vg (Dillon GREECE 6/12)
- 15310 NORWAY RNI in EG 1901, nx, cmntrys, g (Leivison PA 6/5, Weinhold PA 6/5) ED: As far as I can tell, RNI xmits in EG only on Sundays each week.
- 15365 CANARY IS. REE Spain relay in SP 2148, IS, NA, ID, nx, mx (Streitmatter 5/30)
- 15375 USSR R. Rodina in RS *1900, IS, ID, nx?, QRM from REE (Trotto FL 6/26)
- 15400 FINLAND RF in EG/FN *1300, ID, nx, cmntry, IS (Streitmatter 6/7) in EG 1355 "Learn Finnish" pgm, toll free phone no. given (Swaringen NC 5/22)
- 15420 CYPRUS BBC relay in EG 0545, ID, chimes IS, "The World Today" (Trotto FL 6/21)
- 15430 SWITZERLAND SRI in FR 0605, nx, ID, QRM from 5, nx, ID, co-channel QRM from unid. Arabic sta which dominated the freq., p (Trotto FL 6/21)
- 15435 HONG KONG BBC relay in EG *2300, time pips, ID, world nx, f (Anywodi VA 6/13)
- 17595nft EGYPT R. Cairo in EG 1318, AR lang lesson, moved fr 17675, f (Anywodi VA 6/22)
- 17595 MOROCCO RTVM in FR 1557, pop mx, nx, then back to mx (Tuchscherer WI 6/22)
- 17680 USSR RM (Dushanbe?) in EG 1052, mx, ID, "News and Views" (Enkenhus MD 7/3)
- 17725 PAKISTAN RP in EG *0230-0245*, slo EG nx, ID's, //17660, 15580 (Jordan 6/7) in Gujrati 0357-0445, "Call to Prayer" chants, pips, nx?, AR mx (Jordan 6/5)
- 17730 SWITZERLAND SRI in multi-langs 0100-0230+, Swiss mx, FR to 0200, then into EG, world nx, cmntry, tlks, tourist info, //6135, 9725, 9885, 12035 (Jordan 6/21)
- 17735 OMAN R. Oman in AR 1450, chants, ID 1501, nx (Tuchscherer WI 6/18)
- 17770 OMAN R. Oman in AR 0157-0330, mournful recitations, tlks, AR vocals, heavy dramatic orch wks, flute IS, low modul w/QRM frm KVOH 17775 (Jordan PA 6/14)
- 17795 AUSTRALIA RA in EG 0140, mx selections & vocals, g (Leivison PA 6/25)
- 17845 TAIWAN WYFR Family Radio via VOFC 2240, vocals (Weinhold PA)
- 17865 UNITED ARAB EMIRATES R. Dubai in EG/AR 1621, class mx, ID in EG then into nx, into AR 1641 (Tuchscherer WI 6/22)
- 17875 QATAR QBS in AR 1409-1449, Mideast mx, chants (Tuchscherer WI 6/18)
- 17890 UNITED ARAB EMIRATES R. Dubai in EG 0330, ID, nx, cmntry (Streitmatter 5/29)
- 21500 PORTUGAL R. Liberty in RS 1300, nx, ID 1307, cmntry, f-g (Anywodi VA 7/2)
- 21700 UNITED ARAB EMIRATES R. Dubai in AR 0504, nx?, anthem, AR mx (Jordan PA 6/5)

Light turnout this month. I guess the weather's too hot to stay indoors during these dog days. As in the past, I did not repeat any loggings that were published in the previous month's FRENEX. Please consult the July issue for a more complete update.

It was a total surprise to find messages on Pinelands on July 21 from Bill Cole and Robert Horvitz saying "Congratulations. You have been awarded the 1988 ANARC NA DXer of the Year Award...". It indeed is an honor and it is much appreciated. Thanks to the NASWA administration for the nomination, and to the ANARC club representatives and the ANARC officials!!!

The Pineland RBBS will be offline for one to two weeks commencing mid-August. It is vacation time. I cannot afford to leave it on line and risk damage from thunderstorms travelling through the area.

In early July RBBS Netmail and Echomail was implemented on the Pinelands RBBS. The system is growing very quickly. Participating nodes already include one RBBS in Holland. Messages entered at your local RBBS are mailed each night through the network to other RBBSs. As there are more than 100 topical echos, not all participating RBBSs will carry all echos. On this board, among the two dozen or more echos I have chosen to carry are SHORTWAVE and HAM. The SHORTWAVE echo ties into the echos carried by the other well-known SWL oriented boards: Neverboard, ANARC/ACE, etc. Another door now available is a FLEA market door, similar to the FORSALE download directory described last month. Both can be used to sell, buy, swap or look for equipment. You can enter the MAIL area and FLEA market through the [D]oors command on the MAIN command line.

Another relay has popped up. Noted from mid-July, Beijing announces 15455, 15290, 15180, and 11860 at 03 UT to WNA. The Mali frequencies 11715 and 9770 were not mentioned, yet they were heard in parallel when I checked on the 21st and 27th. Compared to 15455 and 15180 direct, the audio delay on 11860 -- an excellent signal -- is short, perhaps a half-second. The delays on the Mali frequencies are considerably longer. The usual ENA-to-NA Spanish relay at 05 on 9690 is not being heard. Has this been dropped, or did it move? Jonathan Marks, although he was out of work with a bad case of the flu and a loss of his voice, did leave a note on Pinelands that 11860 is no doubt a new relay from Spain.

I picked up an M-7000 in early July and have been having fun poking around the utility bands. If any NASWA member dabbles in this stuff, I would be interested in any current press schedules... thanks.

Thomas R. Sundstrom	:	Telex:	6502446376 (via WUI)
PO Box 2275	:	MCI Mail:	244-6376
Vincentown	:	The Source:	BCF811
NJ 08088-2275	:	Compuserve:	(send via MCI Mail)
	:	Packet Radio:	W2XQ @ WB2MNF
	:	Pinelands RBBS:	609-859-1910

SF AIR RADIO 5547, 5574 WEATHER REPORTS 6683

All Records Included

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2IG

Start End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000 0100	Australia	R Australia	17795	17750	15395	15320	15240	15160			As/Pac/PapNG		05/21/88
0000 0100	Canada	R Canada Int'l	9755	5960							NA	Sun-Mon	03/13/88
0000 0100	China	R Beijing	15455	11715	9770						ENA	11715, 9770 v Mali	04/10/88
0000 0200	Cuba	R Havana	9655								Americas		07/04/88
0000 0200	Iraq	R Baghdad	11810	11775							Ind/Pakis/NA/SA		05/07/88
0000 0030	Israel	Kol Israel	12080	11605	9455						NA		06/05/88
0000 0200	Luxembourg	R Luxembourg	6090								regional		05/17/88
0000 0050	North Korea	R Pyongyang	15160	15115							NA		11/13/87
0000 0030	Norway	R Norway	11840	9620							ENA/CA/SA	Eng Mon only	04/23/88
0000 0100	Spain	Sp Foreign Radio	11880	9630							NA		05/17/88
0000 0200	USA	WCSN	9852								M Afr	90 deg	04/20/88
0000 0300	USA	WHRI	9495	7400							Eu/CA/SA		05/22/88
0000 0300	USSR	WRNO	7355								NA/CA	20 deg	03/16/88
0000 0300	USSR	R Moscow	15475	11780	11750	11710	9865	9765	9700	9610	ENA	also other freqs	05/19/88
0030 0100	Austria	ORF	9875								NA		07/04/88
0030 0130	Ecuador	HCJB	11910								Americas		04/19/87
0030 0330	England	BBC	9515	7325	6175	5975					World Service/NA		11/12/87
0030 0100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA		04/16/88
0030 0230	Pakistan	R Pakistan	15115	11570							S & SE As	World Service	09/06/87
0035 0200	Ecuador	HCJB	15155	11775	9720						NA		04/17/88
0050 0110	Vatican State	Vatican Radio	11780	9605	7315	6150					NA		11/10/87
0100 0200	Australia	R Australia	17795	17750	17715	15395	15320	15240	15180	15160	As/Pac/PapNG		05/21/88
0100 0130	Austria	ORF	9875								NA		07/04/88
0100 0130	Canada	R Canada Int'l	11940	11845	9755	9555					LA	Su	03/13/88
0100 0400	Costa Rica	R for Peace	7375								NA	Eng & Span	11/13/87
0100 0157	Czechoslovakia	R Prague	11990	9740	9630	9540	7345	6055	5930		NA		06/06/87
0100 0150	Fed Rep Germany	R Deutsche Welle	11865	9755	9565	6145	6085	6040			ENA	9735 v Malta	04/20/88
0100 0145	German Dem Rep	R Berlin Int'l	9730	6080							ENA		05/19/88

SPM

6pm

0100	0130	Israel	Kol Israel	12080	11605	9435	-	NA	06/05/88
0100	0120	Italy	RAI	11800	9575			NA	03/19/88
0100	0200	Japan	R Japan	17845	17810	15195	11705 5960	5960 Can 125m -0130	04/10/88
0100	0200	Spain	Sp Foreign Radio	11880	9630			NA	05/17/88
0100	0300	USA	KUSH	11695				Canada	04/20/88
0110	0130	USA	VOR	15205	11580	9775	9650 5995	Americas	04/23/88
0130	0138	Greece	V of Greece	11645	9420	7430		NA	06/10/88
0130	0145	Hungary	R Budapest	15160	11910	9835	9585 9520 6110	NA	04/16/88
0130	0155	Philippines	R Veritas Asia	15365	15330			As	12/13/87
0145	0230	German Dem Rep	R Berlin Int'l	11785	9730	9620	6080	WNA/ENA	05/19/88
0145	0315	New Zealand	R New Zealand Int'l	15150				Pac/Aus/Melanesia	05/17/88
0200	0300	Argentina	RAE	11710	9690			Americas	05/14/87
0200	0300	Australia	R Australia	17795	17750	17715	15240 15180	As/Pac/PapNG	05/21/88
0200	0250	Brazil	R Bras	11745				NA/CA	02/28/88
0200	0400	Cuba	R Havana	9770	9655	6140		Americas	07/05/88
0200	0700	Ecuador	HC3B	11775	9720	6230		NA	11/15/87
0200	0330	Egypt	R Cairo	9675	9475			NA	07/20/86
0200	0250	Fed Rep Germany	R Deutsche Welle	11945	9690	9615	7285 6035 5995	As	05/01/88
0200	0700	Guam	KSDA	17865	11700			As	04/20/88
0200	0800	Mariana Is	KYDI	17780				Japan	12/03/87
0200	0255	Romania	R Bucharest	11940	11830	9570	9510 6155 5990	NA	06/05/88
0200	0356	South Africa	Radio RSA	9610	9580	6010		NA	04/29/88
0200	0230	Switzerland	R Swiss Int'l	17730	12035	9885	9725 6135 5865	NA	07/08/88
0200	0300	Taiwan	V of Asia	7285				SE As	07/20/87
0200	0300	Taiwan	V of Free China	15345	11860	11745	11740 9765 9680 7445	5985 NA/Jap/As/CA/Aus/NZ	05/21/88
0200	0400	USA	WC5N	9852				E Afr	04/20/88
0200	0230	USSR	R Kiev	15455	15180	13445	11790 9800 9640	NA	05/19/88
0200	0215	Vatican State	Vatican Radio	9650	7125	6145		As/Aus/NZ	03/07/88
0230	0300	Albania	R Tirana	9500	7045			NA	06/05/88
0230	0255	Finland	R Finland	11755	9635			NA	04/18/88
0230	0315	German Dem Rep	R Berlin Int'l	11750	6165	6125		LA	05/19/88
0230	0325	Netherlands	R Nederland	9895	9590	6165	6020	ENA	02/23/88
0230	0245	Pakistan	R Pakistan	17725	17760	15580	15115 7175	S & SE As	05/13/88
0230	0300	Portugal	R Portugal	11840	9705	9680	9635 9600 6060	SA/NA	03/07/88
0230	0300	Sweden	R Sweden	9695				NA	05/16/87
0300	0400	Australia	R Australia	17795	17715	15320	15240 15160 11945	As/Pac/PapNG/Afr	05/21/88
0300	0400	Bulgaria	R Sofia	11840	11735	9560	7115	Afr/NA	03/16/88
0300	0400	China	R Beijing	15455	15290	15160	11860 11715 9770	WNA	07/30/88
0300	0357	Czechoslovakia	R Prague	11990	9740	9630	9540 7345 6055 5930	NA	06/06/87

7pm

8pm

0300	0350	Fed Rep Germany	R Deutsche Welle	11785	9700	9605	9545	6045	6010	NA	9700 v Malta	04/20/88
0300	0345	German Dem Rep	R Berlin Int'l	11785	9620					MNA		05/19/88
0300	0425	Buatawala	TBC	3300								12/23/87
0300	0400	Japan	R Japan	21610	17825	17810	15195	11870	11840	6DS/Asia/NA	Freq # 1,2,5 -0330	04/24/88
0300	0430	Netherland Antilles	Trans World Radio	9535						NA	Su/Mo to 0530	05/19/87
0300	0400	Taiwan	V of Free China	15345	11745	9765	9680	7445	5985	NA/Jap/As/Aus/NZ	MYFR:9765,5985	05/21/88
0300	0350	Turkey	V of Turkey	17760	9445					SE As/NA		05/07/88
0300	0500	USA	KUSW	9815						Canada	70 deg	02/15/88
0300	0400	USA	WHRJ	7400	7355					Eu/CA/SA		04/20/88
0300	0600	USA	WRMJ	6185						NA/CA	20 deg	03/16/88
0300	0700	USSR	R Moscow	9640	9610	9600	9530	7290	6170	MNA	add'l freqs in use	05/14/88
0310	0327	Switzerland	Red Cross	12035	9885	9725	6135			NA/CA	B/245430-972	07/04/88
0310	0330	Vatican State	Vatican Radio	6150						NA	news in English	09/07/87
0315	0325	France	R France Int'l	11995	11700	11670	9800	9790	9550	7135 Ae/Afr/Ind/As/Eu		04/10/88
0330	0400	Albania	R Tirana	9500	7065					NA		06/05/88
0330	0430	England	BBC	6175	5975					World Service/NA		02/01/88
0330	0400	Sweden	R Sweden	11705						ME		11/12/86
0330	0415	United Arab Emirates	R Dubai	21700	17890	15435	11940			NA		05/31/88
0340	0348	Greece	V of Greece	11645	9420	7430				NA	News in English	06/10/88
0345	0430	German Dem Rep	R Berlin Int'l	11785	9620					MNA		05/19/88
0345	0730	New Zealand	R New Zealand Int'l	15150	12045					Pac/Aus/Melanesia		07/20/87
0350	0410	Italy	RAI	15330	11905	9710				S As		05/21/88
0400	0500	Argentina	RAE	11710	9690					Americas		06/23/88
0400	0500	Australia	R Australia	17795	17750	17715	15320	15240	15160	11910 As/Pac/PapNG/Afr	Su-Mo	07/04/88
0400	0430	Austria	ORF	15410	9875	6155				ME/MNA/Eu		11/08/87
0400	0500	China	R Beijing	11980	9645					MNA	6140 to 0450	07/05/88
0400	0600	Cuba	R Havana	9770	9655	6140	6035	5965		Americas		06/05/88
0400	0415	Israel	Kol Israel	17630	12080	11605	9435	9010		Aus/As/NA/Eu		02/23/88
0400	0425	Netherlands	R Nederland	13700	9850					ME/E Afr		05/20/88
0400	0450	North Korea	R Pyongyang	15180	15160	15115				SE As		06/05/88
0400	0430	Norway	R Norway	11760	9650					ME/E Afr/MNA	Eng Mon only	04/29/88
0400	0455	Romania	R Bucharest	11940	11830	9570	9510	6155	5990	NA		04/29/88
0400	0426	South Africa	Radio RSA	9580	7270	4980				Afr/ME	50 deg	05/24/86
0400	0430	Switzerland	R Swiss Int'l	12035	9885	9725	6135			NA		01/25/88
0400	0600	USA	WCSN	9870						W Afr		04/20/88
0400	0600	USA	WHRJ	7400	7365					Eu/CA/SA	World Service	09/06/87
0415	0645	Pakistan	R Pakistan	17660	15605	12015				ME		05/27/88
0425	0440	Italy	R1	7275	6165					Mediterranean		12/24/86
0430	0500	Albania	R Tirana	11835	9480					Afr		07/04/88
0430	0500	Austria	ORF	15410	9875	6155				ME/MNA/Eu		

9 pm

0430	0545	England	86C	9510	5975	9510	S	World Service/NA	11/12/87
0430	0515	Fed Rep Germany	R Deutsche Welle	11785	9765	9565	7225	SACSE Afr	06/05/88
0430	0455	Finland	R Finland	15185	11715	9870	6120	ME/E Afr/Eu	04/18/88
0500	0600	Australia	R Australia	17795	17750	17715	15240	As/Pac/PapNG	05/21/88
0500	0600	China	R Beijing	9690				ENA	via Spain; maybe canc
0500	0550	Fed Rep Germany	R Deutsche Welle	9760	9635	6120	6045	MNA	07/21/88
0500	0545	German Dem Rep	R Berlin Int'l	13610	11810	9645	6115	Af/ME/Eu	06/05/88
0500	0600	Japan	R Japan	17810	15235	11870	11840	60S/As/NA/Oceania	05/19/88
0500	0800	Kuwait	R Kuwait	15345				Far E/S&E As/Aus/NZ	04/24/88
0500	0530	Norway	R Norway	15310	11735			Eu/ME/Afr	04/18/87
0500	0600	South Korea	R Korea	9570	7275	6060		Eng Mon only	04/23/88
0500	0600	Spain	Sp Foreign Radio	9630				Afr/60S	05/28/88
0500	0700	USA	KUSN	6155				NA	05/17/88
0500	0520	Vatican State	Vatican Radio	15190	11725	9645	6185	Canada	02/15/88
0515	0530	Canada	R Canada Int'l	15245	11840	11775	9750	Afr/Eu	03/07/88
0515	0600	German Dem Rep	R Berlin Int'l	17775	15240			Eu/Afr/ME	04/28/88
0530	0545	Czechoslovakia	R Prague	11990	9505	6055		SE As	05/19/88
0530	0625	Netherlands	R Nederland	9715	6165			Eu	10/11/86
0530	0600	Romania	R Bucharest	15380	15340	11940	11840	MNA	09/19/86
0530	0600	United Arab Emirates	R Dubai	21700	17865	15435	11955	Afr	12/14/86
0545	0600	Canada	R Canada Int'l	15245	11840	11775	9750	Far E/Aus/As	06/05/88
0545	0600	England	BBC	5975				Eu/Afr/ME	04/28/88
0600	0630	Australia	R Australia	17795	17750	17715	15315	World Service/NA	11/12/87
0600	0800	Cuba	R Havana	9525				As/Pac/PapNG/Afr	05/21/88
0600	0730	England	BBC	9640	5975			Americas	07/04/88
0600	0700	Italy	AMR Europe	7257				World Service/NA	02/01/88
0600	0650	North Korea	R Pyongyang	15180	15160	13650	9540	Eu	03/28/88
0600	0700	Taiwan	V of Asia	7285				SE As	05/20/88
0600	0800	USA	WCSN	9495				SE As	07/20/87
0600	0800	USA	WHR1	9620	7365			Eu	03/16/88
0600	1200	USA	WRNO	6185				Eu/CA/SA	04/20/88
0615	0700	Fed Rep Germany	R Deutsche Welle	17875	15185	13790	11765	NA/CA	02/15/88
0630	0700	Albania	R Tirana	9500	7065			W Afr	06/05/88
0630	0700	Australia	R Australia	17750	17715	15315	15240	As/Pac/PapNG/Afr	12/24/86
0630	0700	Bulgaria	R Sofia	11720	9700			W Eu	05/21/88
0630	0655	Finland	R Finland	15270	11755	9560	6120	M Afr	03/16/88
0630	0655	Netherlands	R Nederland	11930	9895			Eu/W Afr	04/18/88
0630	0700	Switzerland	R Swiss Int'l	17570	15430	12030		W Afr	09/19/86
0645	0715	Romania	R Bucharest	21665	17805	17790	15340	Afr	05/09/87
0650	0830	Ecuador	HCJB	11835	9845			Pac	11/13/86
								Eu	Sat-Sun: 0700-0830

10pm

11pm

12 PM

1 AM

2 PM

0700	Australia	R Australia	17750	17715	15240	15160	9655	5995	As/Pac/PapNG	05/21/88
0700	Ecuador	HCJB	9745	6130					S Pac	05/17/88
0700	Guam	KSDA	17855	11700					As	04/20/88
0700	Japan	R Japan	21695	17810	15235	11955			60S/As/Am/Dc/Eu/ME	03/27/88
0700	Pakistan	R Pakistan	17660	15605					Eu	05/13/88
0700	Taiwan	V of Free China	5985						NA	07/21/86
0700	USA	KUSW	6135						Canada	02/15/88
0715	Vatican State	Vatican Radio	15190	11725					Africa	01/03/88
0730	Australia	R Australia	17750	17715	11720	9655	5995		As/Pac/PapNG	05/21/88
0730	Austria	ORF	17870	15410	11915	6155			ME/Eu	05/19/88
0730	Czechoslovakia	R Prague	21705	17840	11865				Su 0715-	09/13/87
0730	Netherlands	R Netherland	9715	9630					NZ/Aus	02/05/88
0740	Switzerland	Red Cross	21695	17850	13685	9560			Aus/As	07/04/88
0745	German Dem Rep	R Berlin Int'l	21465	21540	9730	7185	6115	6040	Far E/Eu	05/19/88
0800	Albania	R Tirana	11835	9500					8/184429-9/1	12/24/86
0800	Australia	R Australia	17750	17715	11720	9655	9580		8.1.3.4.5 Sa-Su only	05/21/88
0800	Belgium	BR1	15510	11695					As/Aus	02/27/88
0800	Finland	R Finland	21550	17795					SE As/Aus	04/18/88
0800	N Mariana Is	KY01	11900						Aus/SE As	02/15/88
0800	North Korea	R Pyongyang	15180	15160	11850	9540			Japan	05/20/86
0800	Portugal	AMR Europe	9670						SE As	04/21/88
0800	South Korea	R Korea	13670	7550					Eu	10/03/87
0800	USA	R NL5	11860						As	05/19/88
0800	USA	WHRI	9510	7355					Eu/CA/SA	04/20/88
0805	Guam	KYWR	11805						Japan	08/31/87
0828	Netherlands	R Netherland	9630						Aus	09/19/86
0830	China	R Beijing	15445	11755	9700				S Pacific	05/25/88
0830	Czechoslovakia	R Prague	21705	17840	11865				SWE As/Pac	09/13/87
0830	Ecuador	HCJB	11925	9745	6130				S Pac	05/17/88
0830	Finland	R Finland	17795	15245					F East	04/18/88
0830	Netherlands	R Netherland	21485	17575					Asia	09/19/86
0830	Switzerland	R Swiss Int'l	21695	17830	13685	9560	9535	6165	Aus/ANZ/Eu	05/01/88
0900	Australia	R Australia	17715	15415	11720	9760	9655	9580	As/Pac/PapNG	05/21/88
0900	Fed Rep Germany	R Deutsche Welle	21680	21650	17875	17780	15510	11945	Aus/As	06/05/88
0900	German Dem Rep	R Berlin Int'l	21465	21540	9665				Far E/ENA	05/19/88
0900	Guam	KSDA	17855	11980					As	04/20/88
0900	Japan	R Japan	17810	15235	11885	11840			60S/AS/Dc	02/27/88
0900	Papua-N Guinea	AC-Port Moresby	4920							09/08/85
0915	Australia	R Australia	15415	11720	9760	9655	9580		As/Pac/PapNG	05/21/88
0930	Australia	R Australia	15415	9760	9655	9580			As/Pac/PapNG	05/21/88

0930	0940	Canada	R Canada Int'l	9755 5960	Carib	Mon-Fri	11/12/86
0930	1030	China	R Beijing	15445 11755 9700	S Pacific		05/25/88
0930	1100	Gua	KWR	11805	Aus/NZ		08/31/87
0930	1000	Sweden	R Sweden	15390	Aus/NZ		04/21/88
0945	1030	German Dem Rep	R Berlin Int'l	6115	Eu		05/19/88
0945	1000	Hungary	R Budapest	-15160 11910 9835 9585 9520 6110	Eu	Su	04/16/88
1000	1030	Australia	R Australia	15415 9770 9380	As/Pac/PapNG		05/21/88
1000	1025	Belgium	BKT	17795 15510	Afr	Non-Fri	10/27/87
1000	1030	Fed Rep Germany	R Deutsche Welle	21600 17765 11785 9735	S&SE Afr		05/01/88
1000	1100	India	AIR	17837 15335 15155 11920 11860	6DS/E As/Aus/NZ		05/31/88
1000	1030	Israel	Kol Israel	17575 15650 15640 11585	N Eu/Aus/As		06/05/88
1000	1030	Norway	R Norway	21730 15400 15235 11870	Afr/Eu/ME/FarE/Aus/NZ	Eng Sun only	04/23/88
1000	1030	Switzerland	R Swiss Int'l	21695 17830 13685 9560	Aus/NZ		04/25/88
1000	1100	USSR	R Moscow	17820 15530 15320 15225 13680	World Service		05/25/88
1000	1030	Vietnam	V of Vietnam	15010 12010 9645	S Pac		05/28/88
1030	1130	Ecuador	HCJB	11925	Eu	Sa	05/17/88
1030	1045	Hungary	R Budapest	15160 11910 9835 9585 9520 6110	Aus/Carib	via Bonaire	04/16/88
1030	1125	Netherlands	R Nederland	9675 6020	Aus/Melanesia		04/18/88
1030	1215	New Zealand	R New Zealand Int'l	9540 6100	SE As		04/10/88
1030	1040	Taiwan	V of Asia	5980	Eu/Afr		07/20/87
1030	1130	United Arab Emirates	R Dubai	21605 17865 15435 11955	Far East	8/14-29-9/1	05/25/88
1040	1057	Switzerland	Red Cross	17830 15570 13685 11935	As/Pac/PapNG		07/04/88
1100	1130	Australia	R Australia	11800 11705 9770 9710 9645 9580 7215 6080	ENR		05/21/88
1100	1200	China	R Beijing	15455	World Service/NA		04/09/88
1100	1300	England	BBC	11775 6195 5965	NA	11775 FE, 5965 Car	11/12/87
1100	1125	Finland	R Finland	15400 11945	Eu	Mon-Fri	04/18/88
1100	1145	German Dem Rep	R Berlin Int'l	17775 9665 6115	Indonesia		05/19/88
1100	1200	Gua	KSDA	11980 11830	60S/Asia/NA	6120 v Canada	04/20/88
1100	1200	Japan	R Japan	11815 6120	As		01/30/88
1100	1150	North Korea	R Pyongyang	11735 9600 6576	Afr/ME/UK/Ireland		05/25/88
1100	1156	South Africa	Radio RSA	21590 17666 15365 7270	ME/Afr		10/03/87
1100	1200	South Korea	R Korea	15575	SE As/Aus/NZ	6065 M-F	05/18/87
1100	1130	Sweden	R Sweden	21690 9630 6085	Eu	8/14/28	07/04/88
1100	1130	Switzerland	R Swiss Int'l	17830 15570 13685 11935	SE As/Aus/NZ		04/25/88
1100	1130	Switzerland	Red Cross	7210	Eu		07/20/87
1100	1200	Taiwan	V of Asia	7445 5960	SE As		12/20/87
1100	1600	USA	KUSW	9850	Canada		09/04/87
1100	1300	USA	WHR1	11790 5995	Eu/CA/SA	70 deg	05/25/88
1100	1200	USSR	R Moscow	17820 17645 15595 15530 15490 15320 15225 15155	World Service		

3 AM

4 AM

1400	1500	USSR	R Moscow	15530	13660	12055	11840	World Service	11840 v Cuba	05/31/88
1400	1430	USSR	R Stn Peace & Progress	17645	15580	11880	11775	As		07/04/88
1405	1430	Finland	R Finland	17800	15185	11755		ME/Eu		04/18/88
1430	1500	Bulgaria	R Sofia	15310	11840	11735		Afr		03/16/88
1430	1457	Czechoslovakia	R Prague	21505	17750	15155	15110	S&E As/Pac		05/15/87
1430	1525	Netherlands	R Nederland	17575	15560	13770	11740	S&E As/Eu		03/26/88
1445	1500	Canada	R Canada Int'l	17820	15325	15315	11935	C&E Eu	Last 4 via Eu relays	05/31/88
1445	1530	German Dem Rep	R Berlin Int'l	17880	15240			SE As		05/19/88
1500	1530	Australia	R Australia	9580	7215	7205	6080	As/Pac/PapNG		05/21/88
1500	1600	China	R Beijing	15165	11600			S Asia		11/14/87
1500	1700	Costa Rica	AMR Latin America	15460				LA		03/28/88
1500	1515	England	BBC	15260	11750	9740	9515	World Service/NA	15260 S	11/12/87
1500	1550	Fed Rep Germany	R Deutsche Welle	21600	17810	11965	9735	S&C&E Afr		05/01/88
1500	1600	Guam	KSDA	11810	11700			India		04/20/88
1500	1630	Guam	KTMR	9820				India		04/20/88
1500	1600	Japan	R Japan	21700	11815	9695	9505	50S/As/Km/Eu/ME	M/N-1620, Th/5a-1640	02/22/88
1500	1550	North Korea	R Pyongyang	11740	5625			Eu	21700 v Gabon	04/10/88
1500	1530	Philippines	R Veritas Asia	15215	9770			As		05/20/88
1500	1530	Romania	R Bucharest	17745	17720	15335	15250	As		08/29/87
1500	1600	South Korea	R Korea	9870	5975		11940	ME/Afr/60S		06/05/88
1500	1700	USA	KNLS	9750				As		05/28/88
1500	1700	USA	WHR1	21655	15105			Eu/CR/5A		04/20/88
1500	1700	USA	WRNO	11965				NA/CA	20 deg	03/16/88
1500	1600	USSR	R Moscow	13660	11840			World Service	11840 v Cuba	05/31/88
1500	1515	Vatican State	R Vatican Radio	17870	15090	11960		As/Aus/NZ		03/07/88
1515	1615	England	BBC	15260	11750	9515		World Service/NA		11/12/87
1515	1530	Hungary	R Budapest	15160	11910	9835	9585	Eu	M/Th	04/16/88
1530	1600	Albania	R Tirana	11835	9480			Afr		12/24/86
1530	1900	Australia	R Australia	9580	7215	7205	6080	As/Pac/PapNG		05/21/88
1530	1625	Czechoslovakia	R Prague	21505	17705	15110	13715	960S Afr/As		02/21/88
1530	1600	Switzerland	R Swiss Int'l	21630	17830	15430	13685	ME/E Afr		04/25/88
1530	1630	Taiwan	V of Asia	7445	5960			SE As		07/20/87
1540	1548	Greece	V of Greece	17565	15630	11645		NA	Eng news	11/15/86
1545	1630	German Dem Rep	R Berlin Int'l	17775	15255	9730	7295	Af/Eu		05/19/88
1545	1630	Pakistan	R Pakistan	17800	15605	15135	13675	ME/E&S Afr	Slow-speed news	1615 05/13/88
1545	1600	Vatican State	Vatican Radio	17730	15120	11810		Africa		01/03/88
1600	1700	China	R Beijing	11660	9570			E&S Afr		07/04/88
1600	1655	France	R France Int'l	17795	17620	15360	11705	Afr/ME/As/N Eu	11705 v Gabon	04/10/88
1600	1700	Guam	KSDA	11700				India		04/20/88

8 AM

9 AM

MORNING - PACIFIC, NOT EUROPE

1600	1630	Norway	R Norway	15310	15180	S As/NA/Af/ME/Eu	04/23/88
1600	1630	Portugal	R Portugal	15245		India/ME	03/07/88
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720		best later in season	07/20/86
1600	1640	United Arab Emirates R Dubai		17865 15435 11955 11730			05/31/88
1600	1900	USA	KCB1	11735		Eu/Afr	04/10/88
1600	1900	USA	KUSW	15225		Canada	12/20/87
1600	1800	USA	MCSN	21640		S Afr	02/15/88
1600	2000	USA	MNLK	9465			04/10/88
1600	1700	USA	WYFR	21615 21525 15440			04/17/88
1600	1800	USSR	R Moscow	11840		World Service	05/31/88
1600	1630	Vietnam	V of Vietnam	15010 12016 9645			05/28/88
1610	1650	Fed Rep Germany	R Deutsche Welle	21680 17825 15510 15105 9745 7200 6170		Aus/As	06/05/88
1615	1745	England	BBC	15260 9515		World Service/NA	11/12/87
1630	1700	Austria	ORF	11780 11915 6115 5945		S As/Eu	05/19/88
1630	1655	Belgium	BRT	21810 17595		Afr	02/27/88
1630	1830	Egypt	R Cairo	15255		S Afr	06/17/87
1630	1725	Netherlands	R Nederland	9540 6020		S&E Afr	03/26/88
1630	1900	Pakistan	R Pakistan	11570 9400		Eu	05/13/88
1630	1700	USSR	R Stn Peace & Progress	15140 13615 12030 11775 11670 9630		Af	07/04/88
1700	1750	Brazil	R Bras	15265		Eu	10/28/87
1700	1800	China	R Beijing	11600 9570		Eu	07/04/88
1700	1715	Israel	Kol Israel	13750 11655 11585		E&S Afr	04/24/88
1700	1730	Japan	R Japan	11815 11705 9505		Eu	04/10/88
1700	1750	North Korea	R Pyongyang	11740 9625		60S/As/Am	05/20/88
1700	1730	Norway	R Norway	15310 15220 9655		Eu	05/20/88
1700	1800	South Korea	R Korea	15575		WNA/Afr/Eu/ME	02/07/88
1700	1730	Sweden	R Sweden	6065		Eu	05/28/88
1700	1730	Switzerland	Red Cross	7210		Eu	07/04/88
1700	1800	USA	MHR1	15105		Eu/CA/SA	12/03/87
1700	2100	USA	WRNO	15420		Eu	03/16/88
1700	1800	USA	WYFR	17845 15565 13760		NA/CA/Eu	04/17/88
1710	1727	Switzerland	Red Cross	17630 15525 15430 11955 9865		Eu	07/04/88
1710	1730	USA	VDA	15205		Afr	04/23/88
1715	1800	German Dem Rep	R Berlin Int'l	9730 7295 7260		Eu	05/19/88
1730	1800	Albania	R Tirana	9480 7155		Eu	06/05/88
1730	1825	Argentina	RAE	15345		Eu/Afr/ME	05/14/87
1730	1800	Austria	ORF	12010 11625 11915 6155 5945		ME/S Afr/Eu	05/19/88
1730	1755	Belgium	BRT	11695 5910		Eu	02/27/88
1730	1800	Bulgaria	F Sofia	15310 11640 11735		Afr	03/16/88

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PASCARILLA
0557
0557

1730	1825	Czechoslovakia	R Prague	21505	15110	13715	11990	11685	9605	Afr/As	11/21/87
1730	1815	German Dem Rep	R Berlin Int'l	15255	15145	13610	9665			Af	03/19/88
1730	1800	Romania	R Bucharest	15340	15270	11940	11790			Afr	06/05/88
1800	1830	Canada	R Canada Int'l	17620	15260					Afr	09/30/86
1800	1827	Czechoslovakia	R Prague	7345	5930					Eu	05/08/87
1800	1850	Fed Rep Germany	R Deutsche Welle	17715	15135	13790	11785			SACSE Afr	05/01/88
1800	2000	India	AIR	15360	11940					60S/E Afr	04/17/87
1800	1900	Ivory Coast	R Cote-d'Ivoire	7215						exc Sundays	12/05/87
1800	2100	Kuwait	R Kuwait	11665						Eu/NK/Aus/NZ	08/22/87
1800	2200	Mariana Is	KY01	9495						Japan	02/15/88
1800	1856	South Africa	Radio RSA	15365	11875					M/C Afr/UK/Ireland	04/29/88
1800	1900	USA	KWLS	11700						As	05/19/88
1800	2000	USA	WCNN	15390						E Afr	03/16/88
1800	2100	USA	WHRI	17830	13760					Eu/C6/SA	02/15/88
1800	2200	USA	WYFR	15170	13695					Eu	11/04/87
1800	1830	USSR	R Kiev	11780	9710	9560	7330			75 deg	05/19/88
1800	2000	USSR	R Moscow	15150	11840					World Service	05/31/88
1800	1830	Vietnam	V of Vietnam	15010	12610	9445				11840 v Cuba	05/26/88
1830	1900	Bulgaria	R Sofia	9700	7155	6670				M-F 1 41/49 v UK	03/16/88
1830	1900	Canada	R Canada Int'l	17875	15325	11945	9555	7235		M-F 1 41/49 v UK	04/30/88
1830	2000	Cuba	R Havana	9670						Eu	12/26/87
1830	1855	Finland	R Finland	15185	11755	9550	6120			Eu/AF	04/16/88
1830	1900	Hungary	R Budapest	15160	11910	9635	9585	9320	6110	Eu	04/16/88
1830	1925	Netherlands	R Netherland	21685	17605	9540	6020			Afr/Eu	02/23/88
1830	2115	New Zealand	R New Zealand Int'l	15150	12045					Pac	1347 v Hon, 316 Madg
1830	1900	Sweden	R Sweden	15240						Afr	05/17/88
1830	1900	Switzerland	R Swiss Int'l	11955	9885					Afr	04/21/88
1845	1945	India	AIR	11620	7412					60S/W Eu	05/09/87
1900	1930	Afghanistan	R Afghanistan	9640	7160					Eu	07/04/88
1900	2000	Algeria	R Algiers	17745	15215	9640	9509			As/Fac/PapNG	04/20/88
1900	2000	Australia	R Australia	9580	7215	7205	6080	6035		Afr	01/30/88
1900	1930	Canada	R Canada Int'l	17820	15260					Mon-Fri	05/21/88
1900	1957	Czechoslovakia	R Prague	7345	5930					Eu	09/30/86
1900	2000	Ecuador	KCJB	17790	15270	11740				Eu	09/08/87
1900	1930	Israel	Kol Israel	15592	15465	13625	11605	9010		Eu	03/14/88
1900	1930	Japan	R Japan	11705	9640	9505				NA/EU/Afr	06/05/88
1900	1930	Norway	R Norway	15310	15220	9590				60S/Am/OC	04/10/88
1900	1930	Portugal	R Portugal	15250	11670					NA/EU/NZ	04/23/88
1900	1956	South Africa	Radio RSA	9610	7270	4990				Afr	03/07/88
										Afr/ME	05/31/88

11 AM

NOON

1900	2000	Spain	15375	15125	11950	5765	Afr/ME/Eu	05/17/88		
1900	1930	Switzerland	9335	6165	3985		Eu	05/01/88		
1900	2200	USA	15690				Canada	06/25/88		
1900	2100	USA	17945	11905			Canada	11/04/87		
1900	2000	USSR	15475	11930	9630	7330	UK/Ireland	05/31/88		
1900	1930	Vietnam	15010	12010	9645		Af	05/28/88		
1915	2000	Serbian Dem Rep	15255	13610	9665		Eu	05/19/88		
1920	1930	Greece	11645	9425	7430		Eng news	09/07/87		
1930	2030	China	11515	9440	6955		WBN Afr	07/04/88		
1930	2025	Iran	9765	9022	3778		Eu/N Afr/ME/As/EWA	02/05/87		
1930	2000	Portugal	11800	9605			Eu	04/23/88		
1930	2025	Koania	11940	9750	9690	7145	Eu	05/19/87		
1930	2030	South Korea	15575	7550	6480		Eu/ME/Afr	05/28/88		
1935	1955	Italy	11800	9710	7275		Great Britain	03/15/88		
1945	2030	Serbian Dem Rep	6115				Eu	05/19/88		
1950	2045	India	11860	11620	9910	9755	60S/W Eu/Afr	01/23/88		
1950	2010	Vatican State	9645	7250	6190		Eu	03/07/88		
1950-2000	2030	Australia	9620	9580	7215	7205	6035	As/Pac/PapNG	05/21/88	
2000	2030	Canada	17875	17820	15325	11945	9555	6030	N Eu	04/28/88
2000	2100	China	11500	9820			Eu	07/04/88		
2000	2200	Guam	15225	9465			E As/Indon	04/20/88		
2000	2030	Hungary	15160	11910	9835	9585	9520	6110	Eu	04/16/88
2000	2200	Iraq	15230	9770			Eu	05/19/88		
2000	2050	North Korea	9345	9325			Eu	05/20/88		
2000	2030	Norway	15310	9590			NA/Eu	04/23/88		
2000	2050	Turkey	9825				Eu	05/07/88		
2000	0400	USA	17775				100 deg	06/10/88		
2000	2200	USA	15390				60 deg	03/16/88		
2000	2100	USSR	15475	11840			11840 v Cuba	05/31/88		
2005	2105	Syria	15095	12085			Eu	05/17/88		
2025	2045	Italy	11800	9575	7235		Near East	05/27/88		
2030	2100	Albania	11835	9375			Afr	06/05/88		
2030	2100	Australia	9620	9580			As/Pac/PapNG	05/21/88		
2030	2100	Bulgaria	7155	7115	6070		Eu/NA	03/16/88		
2030	2130	China	11515	9440	6955		WBN Afr	07/04/88		
2030	2200	Egypt	15375				W Afr	08/17/87		
2030	2125	Netherlands	15560	11740	9895	9540	W Afr	02/23/88		
2030	2100	Vietnam	15010	12010	9645		W Afr	05/28/88		
2040	2140	Cuba	15340	11725			SA	06/25/88		

1 PM

2045	2230	India	AIR	11715	11620	5510	9550	7412	605/W	Eu/Aus/NZ	05/26/87
2045	2160	Vatican State	Vatican Radio	15120	11760	11700	9625		Africa		01/03/88
2100	2130	Australia	R Australia	15395	15240	15160	9620	9580	As/Pac/PapNG		05/21/88
2100	2125	Belgium	BRT	9925	5510				NA/Eu		02/27/88
2100	2115	Cameroon	R Cameroon	5010	4850					news in English	12/23/87
2100	2200	Canada	R Canada Int'l	15325	11945				W Eu	Mon-Fri	04/28/88
2100	2200	China	R Beijing	11500	9620	3985			Eu	75% v Switzerland	07/04/88
2100	2150	Fed Rep Germany	R Deutsche Welle	9765	9650	7130	6185		Aus/As		06/05/88
2100	2125	Finland	R Finland	15400	11945	11755	6120		SA/F East/Eu/AF		04/18/88
2100	2145	German Dem Rep	R Berlin Int'l	6125					ENH		05/19/88
2100	2110	Ghana	Ghana BC Corp	3366						News in English	12/23/87
2100	2130	Japan	R Japan	11850	11615	9695	9640		605/As/Dc		04/19/88
2100	2130	Romania	R Bucharest	11940	9730	9690	7145		Eu		05/19/87
2100	2200	Spain	Sp Foreign Radio	11790	9765				Eu		05/17/88
2100	2130	Sweden	R Sweden	11845	6065				Afr/Eu		04/21/88
2100	2130	Switzerland	R Swiss Int'l	15570	12035	9885			Afr		05/05/87
2100	2400	USA	WHR1	17630	9770				Eu/CA/SA		02/15/88
2100	0000	USA	WRND	13760					NA/CA/Eu	20 deg	02/15/88
2100	2200	USSR	R Moscow	11840					World Service	11840 v Cuba	05/31/88
2105	2205	Syria	R Damascus	15095	9950				NA		05/31/88
2110	2130	USA	VDR	17600	17785	15580	15410	15205	Afr/NE		04/23/88
2115	2245	Egypt	R Cairo	9900					Eu		04/02/88
2130	2200	Albania	R Tirana	9480	7065				Eu		06/05/88
2130	2200	Australia	R Australia	35395	15240	15160			As/Pac/PapNG		05/21/88
2130	2200	Austria	ORF	11915	9870	6155	5945		W Afr/Eu		05/19/88
2130	2230	Bulgaria	R Sofia	11950	9700				NA/W Eu	Su 2100-	07/26/88
2130	2200	Canada	R Canada Int'l	17820	15150	11880			Afr		10/03/87
2130	2200	Ecuador	HCJR	17790	15270	11740			Eu		05/14/88
2130	2200	Israel	Kol Israel	15640	15592	13725	13625	12060	LA/NA/Eu		07/24/88
2130	2200	USSR	R Vilnius	6100					Eu		05/17/88
2145	2230	German Dem Rep	R Berlin Int'l	5965	6125				Eu/ENH		05/19/88
2200	2300	Argentina	RAE	11710	9690				Americas		09/25/87
2200	2400	Australia	R Australia	17795	15395	15320	15240	15160	As/Pac/PapNG		05/21/88
2200	2230	Canada	R Canada Int'l	11705	9755	5560			SE As/NA	11705 v Japan	04/28/88
2200	2230	Czechoslovakia	R Prague	6055					Eu		05/14/87
2200	2245	England	BBC	6175	5575				World Service/NA	6175 Caribbean	11/12/87
2200	0200	Gua	KSDH	15125	11750				Phil		04/20/88
2200	2225	Italy	RAI	15330	11860	9710			Japan		05/27/88
2200	0200	N Mariana Is	KYOI	15405					Japan	340 deg	12/03/87
2200	2230	Norway	R Norway	15180	15165				Sc/Af/Eu	Eng Sun only	04/23/88

2 AM

3 PM

2200	2300	Taiwan	V of Free China	17845	15440	15370	9955	17845	15440	15370	9955	05/21/88
2200	2250	Turkey	V of Turkey	17760	9685	9445	7160	17760	9685	9445	7160	05/07/88
2200	2230	USA	KSEI	15280				15280				04/17/88
2200	0100	USA	KUSW	15580				15580				04/20/88
2200	2400	USA	WGSN	15300				15300				03/16/88
2200	2300	USSR	R Moscow	15475	11850	11780	11750	11710	9865	9765	9610	05/19/88
2200	2230	USSR	R Vilnius	15455	15180	13645	9640	7400				07/26/88
2205	2225	Vatican State	Vatican Radio	11830	9615	6015						01/03/88
2213	2230	Yugoslavia	R Yugoslavia	9620	7240	5980						03/13/88
2230	2330	Malta	R Mediterranean	6110								03/28/87
2230	2330	South Korea	R Korea	15575								05/28/88
2230	2300	Vietnam	V of Vietnam	15010	12010	9645						05/28/88
2245	2300	England	BBC	7325	6175	5975						11/12/87
2245	2255	Shana	Ghana-BC Corp	4915	3366							05/09/88
2300	0000	Bulgaria	R Sofia	11950	9700							08/29/87
2300	2330	Canada	R Canada Int'l	11730	9755							11/12/87
2300	0030	England	BBC	9590	9515	7325	6175	5975				06/05/88
2300	2330	Israel	Kol Israel	12080	11605	9435						04/24/88
2300	2400	Japan	R Japan	17810	15230	15195	11815	11800				12/28/87
2300	2350	North Korea	R Pyongyang	13650	11735							03/01/88
2300	2330	Sweden	R Sweden	11705	9695							05/19/88
2300	0000	USSR	R Moscow	15475	11780	11750	11710	9865	9765	9530		05/19/88
2305	2355	Poland	R Poland	9525	7270	7145	6135					05/19/88
2330	0000	Albania	R Tirana	9760	7065	6200						06/05/88
2330	2355	Belgium	BRT	9625								04/16/88
2330	0030	Canada	R Canada Int'l	9755	5960							03/13/88
2330	0000	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			05/01/88
2330	2400	Switzerland	R Swiss Int'l	6190								04/16/88
2330	0000	USSR	R Kiev	15455	15180	13645	11790	9600	9640			05/19/88
2330	2400	Vietnam	V of Vietnam	15010	12010	9645						05/28/88
2335	2345	Greece	V of Greece	11645	9395							08/03/87
2345	0030	German Dem Rep	R Berlin Int'l	9730	6080							05/19/88
2345	0145	New Zealand	R New Zealand Int'l	15150								05/17/88
2345	2400	South Korea	R Korea	15575								05/28/88

4 pm

All Records Included

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas K. Sundstrom, W2XP

Shortwave DX Program	Show Name	Start Time	Start Time	Country	Station	Freq							Target Area	Notes re DX Show	Record Last Updated	
						#1	#2	#3	#4	#5	#6	#7				
** DAY OF THE WEEK: Sunday																
SWL Digest	0005	0000	Canada	R Canada Int'l		9735	5960							NA		03/13/88
Communications World	0110	0110	USA	VOA		15205	11580	9775	9650	5995				Americas		04/23/88
SW Merry-Go-Round	0220	0200	Switzerland	R Swiss Int'l		17730	12635	9885	9725	6135	5965		NA		05/16/86	
Communicator	0230	0200	Australia	R Australia		17795	17750	17715	15240	15180			As/Pac/PapNB		05/21/86	
DX Party Line	0230	0200	Ecuador	HCJB		11775	5720	6230					NA		05/03/86	
Amateur Radio Spectr	0250	0200	South Africa	Radio RSA		9610	9580	6010					NA		02/28/86	
SW Merry-Go-Round	0420	0400	Switzerland	R Swiss Int'l		12035	9885	9725	6135				NA		05/16/86	
SW Feedback	0535	0500	South Korea	R Korea		9570	7275	6060					As/605		07/10/88	
DX Party Line	0630	0200	Ecuador	HCJB		11775	9720	6230					NA		12/20/87	
Communicator	0730	0730	Australia	R Australia		17750	17715	11720	9655	5995			As/Pac/PapNB		12/27/87	
ARRL DX Program	0815	0800	Portugal	ARR Europe		9670							Eu		03/26/88	
SW Feedback	0835	0800	South Korea	R Korea		13670	7550						Eu		07/10/88	
Pacific DX Magazine	0845	0805	Guam	KTRR		11805							Japan		04/22/88	
DX Corner	0925	0900	Japan	R Japan		17810	15235	11865	11840				605/As/Dc		04/03/88	
SW Feedback	0935	0900	South Korea	R Korea		15160	11910	9835	9585	9520	6110		Eu		04/16/88	
SW Club	0945	0945	Hungary	R Budapest		17870	15320	11915	6155				EMW/Aus/As/Eu		04/16/88	
Shortwave Panorama	1135	1130	Austria	ORF		15575							ME/Afr		07/10/86	
SW Feedback	1135	1100	South Korea	R Korea		11785	9715	9645	9540	7275			As		10/16/86	
DX Program	1200	1200	USSR	R Tashkent		9770	9710	9580	7215	7205	6080	6080	As/Pac/PapNB		12/25/87	
Communicator	1230	1230	Australia	R Australia		15575	9750	9570					As/SE As		07/10/88	
SW Feedback	1335	1300	South Korea	R Korea		21700	11815	9695	9505				605/As/AE/Eu/ME		04/03/88	
DX Corner	1525	1500	Japan	R Japan		9870	5975						ME/Afr/605		07/10/88	
SW Feedback	1535	1500	South Korea	R Korea		11780	11915	6115	5945				S As/Eu		05/19/88	
Shortwave Panorama	1635	1630	Australia	ORF		9580	7215	7205	6080	6035	5995		As/Pac/PapNB		12/27/87	
Communicator	1730	1530	Australia	R Australia		11780	9716	9560	7330				Eu		07/10/88	
SW Feedback	1735	1700	South Korea	R Korea		15575	11875						Eu		03/16/88	
DX Show & Mailbag	1815	1800	USSR	R Kiev		15565	11875						MEC Afr/UK/Ireland		02/05/88	
DX Corner	1840	1800	South Africa	Radio RSA		15592	15485	13625	11605	9010			As/Eu/Afr		03/17/88	
DX Corner	1920	1900	Israel	Kol Israel		15375	15125	11790	9765				Afr/ME/Eu		05/17/88	
DX Spot	1970	1900	Spain	Sp Foreign Radio		9610	7276	4990					Afr/ME		02/05/88	
DX Corner	1940	1900	South Africa	Radio RSA		15575	7550	6480					Eu/ME/Afr		07/10/88	
SW Feedback	2005	1930	South Korea	R Korea												

Comunicator	2030	2030	Australia	k Australia	9620	9580	As/Pac/Pap/NG	12/25/87
World of Radio	2030	1700	USA	WRND	15420		NA/Cu/Eu	05/19/88
DX Spot	2120	2100	Spain	Sp Foreign Radio	11790	9765	Eu	05/17/88
Shortwave Panorama	2135	2130	Austria	ORF	11915	9870	W Afr/Eu	05/19/88
DX Corner	2150	2130	Israel	Kol Israel	15640	15592	LA/NA/Eu	03/11/88
R Sofia Calling	2215	2130	Bulgaria	R Sofia	11950	9700	NA/W Eu	03/16/88
SW Digest	2305	2300	Canada	R Canada Int'l	11730	9755	Carib	05/31/86
SW Feedback	2305	2230	South Korea	K Korea	15575		As	07/10/88
DX Corner	2320	2300	Israel	Kol Israel	12080	11605	NA	03/11/88
R Sofia Calling	2345	2300	Bulgaria	R Sofia	11950	9700	NA/W Eu	03/16/88
DX Show & Mailbag	2345	2330	USSR	R Kiev	15455	15180	NA	03/16/88
** DAY OF THE WEEK: Monday								
DX Corner	0020	0000	Israel	Kol Israel	12080	11605	NA	03/11/88
DX Spot	0020	0000	Spain	Sp Foreign Radio	11880	9830	NA	01/11/87
Shortwave Panorama	0100	0100	Austria	ORF	9875		NA	07/04/88
DX Corner	0120	0100	Israel	Kol Israel	12080	11605	NA	03/11/88
DX Spot	0120	0100	Spain	Sp Foreign Radio	11880	9830	NA	01/11/87
DX Corner	0125	0100	Japan	K Japan	17845	17810	60S/As/NA	04/03/88
DX Show & Mailbag	0215	0200	USSR	R Kiev	15455	15180	NA	03/16/88
DX Corner	0245	0200	South Africa	Radio RSA	9610	9580	NA	02/28/88
DX Corner	0325	0300	Japan	R Japan	21610	17825	60S/As/NA	04/03/88
R Sofia Calling	0345	0300	Bulgaria	R Sofia	11840	11735	Afr/NA	03/16/88
Shortwave Panorama	0405	0400	Austria	ORF	15410	9875	ME/NA/Eu	05/19/88
Waveguide	0450	0430	England	BBC	9510	5975	World Service/NA	12/01/87
DX Spot	0520	0500	Spain	Sp Foreign Radio	9630		NA	10/03/87
Radio World	0800	0800	Belgium	BRT	15510	11695	SE As/Aus	04/09/88
DX Party Line	0930	0830	Ecuador	HCJB	11925	9745	S Pac	05/17/88
DX Party Line	1206	1158	Ecuador	HCJB	6075		Fare/Jap	05/14/87
SW Club	1515	1515	Hungary	R Budapest	15160	11910	Eu	04/16/88
RBI DX Club	2120	2100	German Dem Rep	R Berlin Int'l	6125		ENA	05/19/88
DX Party Line	2130	2130	Ecuador	HCJB	17790	15270	Eu	05/03/86
RBI DX Club	2205	2145	German Dem Rep	R Berlin Int'l	5965	6125	Eu/ENA	05/19/88
DX Program	2250	2200	USSR	R Moscow	15475	11850	9765	03/16/88
** DAY OF THE WEEK: Tuesday								
RBI DX Club	0005	2345	German Dem Rep	R Berlin Int'l	9730	6080	ENA	03/11/88
DX Program	0050	0000	USSR	R Moscow	15475	11780	9765	03/16/88
RBI DX Club	0120	0100	German Dem Rep	R Berlin Int'l	9730	6080	ENA	05/19/88
SW Club	0130	0130	Hungary	R Budapest	15160	11910	NA	04/16/88
RBI DX Club	0205	0145	German Dem Rep	R Berlin Int'l	11785	9730	WNA/ENA	05/19/88

DI Party Line	0230	0200	Ecuador	HCJB	11775	9720	6230	NA	05/03/86
DI Program	0250	0000	USSR	R Moscow	15475	11760	11750	9700 EHA	03/16/88
RBJ DI Club	0320	0300	German Dea Kep	K Berlin Int'l	11785	9620		WNA	05/19/88
Sweden Calling Diets	0330	0300	USA	WHR1	7400	7355		Eu/CA/SA	05/31/88
SH Merry-60-Round	0340	0300	USA	WHR1	7400	7355		Eu/CA/SA	05/31/88
DI Program	0340	0300	USSR	K Moscow	9640	9610	9600	9530	03/16/88
RBJ DI Club	0405	0345	German Dea Kep	K Berlin Int'l	11785	9620		WNA	05/19/88
DI Program	0540	0300	USSR	K Moscow	9640	9610	9600	9530	03/16/88
DI Party Line	0630	0200	Ecuador	HCJB	11775	9720	6230	NA	12/20/87
Waveguide	1115	1100	England	BBC	11775	6195	5965	World Service/NA	02/23/88
SHL Digest	1230	1158	Canada	K Canada Int'l	17820	11855	9625	NA/Carib	03/26/88
Sweden Calling Diets	1410	1400	Sweden	R Sweden	15390	15345		NA	12/23/86
Sweden Calling Diets	2110	2100	Sweden	K Sweden	11845	6065		Afr/Eu	05/19/87
Sweden Calling Diets	2310	2300	Sweden	K Sweden	11705	9695		NA	05/13/86
** DAY OF THE WEEK: Wednesday									
SH Club	0130	0130	Hungary	K Budapest	15160	11910	6835	9585	04/16/88
Sweden Calling Diets	0240	0230	Sweden	K Sweden	9695				06/17/87
World of Radio	0300	0100	Costa Rica	K for Peace	7375				11/13/87
Haa Radio Today	0600	0700	Ecuador	HCJB	9745	6130		S Pac	03/26/88
Haa Radio Today	1030	1030	Ecuador	HCJB	11925			S Pac	03/26/88
Haa Radio Today	1206	1158	Ecuador	HCJB	6075			FarE/Jap	01/30/88
Dier's Special	1750	1730	Argentina	RAE	15345			Eu/Afr/ME	02/26/88
Haa Radio Today	2130	2130	Ecuador	HCJB	11790	15270	11740	Eu	01/30/88
Dier's Special	2220	2200	Argentina	RAE	11710	9690		Americas	02/26/88
** DAY OF THE WEEK: Thursday									
Waveguide	0130	0030	England	BBC	9515	7325	6175	5975	12/16/87
Dier's Special	0220	0200	Argentina	RAE	11710	9690			02/26/88
Haa Radio Today	0230	0200	Ecuador	HCJB	11775	9720	6230	NA	01/30/88
Dier's Special	0420	0400	Argentina	RAE	11710	9690		Americas	02/26/88
Haa Radio Today	0630	0200	Ecuador	HCJB	11775	9720	6230	NA	01/30/88
Media Network	1050	1030	Netherlands	F Nederland	9675	6020		Aus/Carib	04/10/88
Media Network	1150	1130	Netherlands	K Nederland	21460	17605	17575	15560	06/22/86
Media Network	1450	1430	Netherlands	K Nederland	17575	15560	13770	11740	09/04/86
World of Radio	1500	1500	USA	WRND	11965			NA/CA	05/15/88
SH Club	1515	1515	Hungary	K Budapest	15160	11910	6835	9585	04/16/88
Media Network	1650	1630	Netherlands	K Nederland	9540	6020		Eu	05/04/88
Media Network	1850	1830	Netherlands	K Nederland	21685	17605	9540	6020	06/22/86
Media Network	2050	2030	Netherlands	K Nederland	15560	11740	5895	9540	08/22/86

** DAY OF THE WEEK: Friday

World of Radio	0050	0000	USA	WRNO	7355		NA/CA	03/16/88
SW Club	0130	0130	Hungary	R Budapest	15160 11910 9835 9585 9520 6110		NA	04/16/88
Media Network	0250	0230	Netherlands	R Nederland	9895 9590 6165 6020		EMA	05/30/86
Media Network	0550	0530	Netherlands	R Nederland	9715 6165		WNA	11/21/86
Pacific DX Magazine	1000	0930	Guam	KTMR	11805		Aus/NZ	04/22/88
DX Show	1615	1600	Portugal	R Portugal	15245		India/ME	11/13/87
DX Show	1915	1900	Portugal	R Portugal	15250 11870		Afr	11/13/87
DX Show	1945	1930	Portugal	R Portugal	11800 9605		Eu	12/22/87
R Sofia Calling	2045	2030	Bulgaria	R Sofia	7155 7115 6070		Eu/NA	03/16/88
R Sofia Calling	2325	2300	Bulgaria	R Sofia	11950 9700		NA/M E	03/16/88

** DAY OF THE WEEK: Saturday

World of Radio	0100	0100	Costa Rica	R for Peace	7375			11/13/87
SW Club	0130	0130	Hungary	R Budapest	15160 11910 9835 9585 9520 6110		NA	04/16/88
DX Show	0245	0230	Portugal	R Portugal	11840 9705 9480 9635 9600 6060		SA/NA	01/16/88
World of Radio	0300	0300	USA	WRNO	6185		NA/CA	03/16/88
R Sofia Calling	0845	0830	Bulgaria	R Sofia	11720 9700		M E	03/16/88
DX Party Line	0930	0830	Ecuador	HCJB	11925 9745 6130		S Pac	05/17/88
SW Club	1030	1030	Hungary	R Budapest	15160 11910 9835 9585 9520 6110		Eu	04/16/88
SW Merry-60-Round	1115	1100	Switzerland	R Swiss Int'l	17830 15570 13685 11955		SE As/Aus/NZ	09/06/86
DX Party Line	1206	1158	Ecuador	HCJB	6075		FarE/Jap	05/14/87
Radio World	1330	1330	Belgium	8RT	15590 15510		NA/SE As	04/09/88
DX Programme	1330	1330	USSR	R Tashtent	11785 9715 9645 9540 7275		As	10/16/86
SW Merry-60-Round	1345	1330	Switzerland	R Swiss Int'l	21695 17830 15570 15135 13685 11695		E Afr/India/Aus/NZ	09/04/86
Pacific DX Magazine	1515	1500	Guam	KTMR	9820		India	02/22/88
SW Merry-60-Round	1545	1530	Switzerland	R Swiss Int'l	21650 17830 15430 13685		ME/E Afr	05/24/86
Radio World	1630	1630	Belgium	8RT	21810 17595		Afr	04/09/88
Communications World	1710	1710	USA	VQA	15205		Afr	04/23/88
Radio World	1730	1730	Belgium	8RT	11695 5910		Eu	04/09/88
Amateur Radio Spectr	1845	1800	South Africa	Radio RSA	15365 11875		M/C Afr/UK/Ireland	02/28/88
SWL Digest	2005	2000	Canada	R Canada Int'l	17875 17820 15325 11945 9555 6030		M E	03/13/88
DX Radio Tips	2020	2000	Turkey	V of Turkey	9825		Eu	05/07/88
Radio World	2100	2100	Belgium	8RT	9925 5910		NA/Eu	04/09/88
Communications World	2110	2110	USA	VQA	17800 17785 15580 15410 15205 9700 7205		Afr/ME	04/23/88
SW Merry-60-Round	2115	2100	Switzerland	R Swiss Int'l	15570 12035 9885		Afr	05/24/86
DX Party Line	2130	2130	Ecuador	HCJB	17790 15270 11740		Eu	05/03/86
SWL Digest	2135	2130	Canada	R Canada Int'l	17820 15150 11880		Afr	10/13/86
DX Radio Tips	2200	2200	Turkey	V of Turkey	17760 9685 9445 7160		SE As/NA/Eu/ME	05/07/88
Radio World	2330	2330	Belgium	8RT	9925		SA/NA	04/09/88
World of Radio	2350	2100	USA	WRNO	13760		NA/CA/Eu	04/02/88

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