

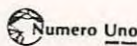
FRENDX

1988 North American DX Championships

This certificate recognizes that

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DX Championship sponsored by Numero Uno.*

February 13-22, 1988



*Don't Forget The
North American DX Championship
February 13-22!*



ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

Mike Harris
Public Relations Coordinator

P.O. Box 294
Pickerington, OH 43147

PRESS RELEASE

ANARC is pleased to announce that it will sponsor the SWL Forum at the 1988 Dayton Hamvention, the largest gathering of radio enthusiasts in the world, to be held between April 29 and 1 May, 1988 at the Hara Arena and Convention Center in Dayton, Ohio.

The SWL Forum, to be held on Sunday, May 1st, between 9:00 and 11:30am will feature as guest speakers Jonathon Marks, host of the long running "Media Network" programme on Radio Nederland, and Bob Grove, Publisher of "Monitoring Times" and President of Grove Enterprises. Other speakers will include Bob Horvitz, Executive Secretary of ANARC and former ANARC Government Affairs Liaison, who will speak on the Electronic Communications Privacy Act; Don Moore, who spent several years in Central and South America with the Peace Corps will give a slide presentation on the stations he visited, and Norm Schrein, who has edited several scanner directories for North America, will give a talk on the VHF/UHF scene.

If you plan to attend, please stop by the ANARC booth and visit for a while. A number of SW clubs will be providing sample copies of their bulletin for free distribution at this important event. We hope you are one of the 29,000 people who find Dayton "the" event of the year. See you there!!

ANARC Computer BBS

East 1614 11th Ave., Spokane, WA 99202
Voice 1-509-534-6839



FOR IMMEDIATE RELEASE: 1/14/88

We're back online!

Our new number is 1-509-534-6866

The ANARC Computer BBS has resumed service at our new location in Spokane, Washington. Our friends on the East Coast need not be alarmed at the move. A T & T assures us that an after 11:00 PM call from the East Coast to Spokane is only one cent per minute more than it was to our Illinois location.

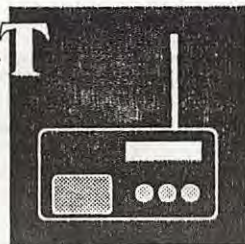
The ANARC Computer Communications Survey is available for download. Please download a copy to participate in the survey.



CONTACT

Editor:

Stephen G. Moyer
178 Bartlett Ave.
Cranston, RI 02905
(401) 941-6497
February 1988



I would like to tender to you my sincerest apologies for the absence of January's CONTACT. The illness and eventual death of my Mother on the day after Christmas created more havoc in my life than I have ever known. I say this not simply to inspire your sympathy. My Mom was a great lady who set high standards for me. One of the things she tried to teach me was to get a job done to the best of my ability, and on time. I will miss her very much indeed.

The following is a general question addressed to the membership at large on behalf of my own curiosity, and (I trust) the curiosity of those who find themselves in the situation I do. I get up very early — about 4:30AM (local). Is it my imagination, or is there a very real shortage of good English language programming available in the early (North American) morning? Yes, Australia 9580, 9655, etc., Radio Beijing 9700 (on a good day), VOA and AFRTS are all available, but this frequently does not amount to very interesting listening. Do you get up early and listen to SW? If so, what do you listen to? Tell me — I'd really like to know. (By the way, on occasion, to get the blood going — especially in the Winter — it is a lot of fun to tune into the 60mb stations for the music: Ecos de Torbes, Venezuela [4980kHz] and Radio Atlántida, Peru [4790kHz] are good bets.)

And now to some letters. We begin with a letter (two, actually) from *Richard E. Berg-Andersson* (WDX2RSG, KNY2NM Woodside, New York): he wrote one, and, having second thoughts, wrote the second. There are some interesting ideas here —

[Letter of 18 November 1987 — SGM] C.C. Boehnke's ideas regarding a "DX Club Exchange" service of some sort (November 1987 *FRENDX*) have inspired me to write about a topic/idea I've been thinking about for some time now. That is, the formation of an actual ARRL-type organization for all radio hobbyists, regardless of interest. If my books on radio history are correct, the ARRL was founded in 1914 as an organization for the *radio amateur* — but back in those days the term "radio amateur" included what we would call SWLs and DXers (I personally prefer the more generic "Radio Hobbyist") as well as Hams. It would be several years before Hams and SWLs went their own ways, organizationally.

The ARRL today — 74 years later (almost) — is a powerful organization, representing Hams before the U.S. Congress and administrative agencies, offering low-cost insurance for equipment, operating a QSL bureau; etc. ARRL has done much to promote the image of Ham radio. My argument is that the radio hobby community needs a similar organization.

Naturally, the development of such an organization will take time and hard work. The first fruits would be harvested on the *other* side of the sunspot cycle and you're not going to see a glossy magazine like *QST* in this century. Petty differences, which some (but thankfully, as experience has taught me, *not* most) of us have, must be overcome; our attitude *should* be that anything which affects one aspect of the radio hobby affects the entire hobby. With a little bit of effort, however, I think this concept could come off — but what do CONTACT readers think?

I'm interested in seeing any comments in future CONTACTs regarding this idea. Is there any interest out there, or am I just trying to

draw blood from a stone? I'll be watching over the next few months.

[Letter of 20 November 1987 — SGM] In my letter of November 18, I proposed an ARRL-type organization for non-Ham radio hobbyists in the U.S. and Canada. I kept that letter as concise as possible because I realize that space in CONTACT is at a premium. However, upon reflection, it seems that I should clarify a few goals this organization would have in terms of issues which face the radio hobby in general:

1. CRIME: Many of us have had our homes burglarized and our precious radio equipment stolen, others have lost mobile equipment taken from cars. Some kind of low-cost insurance could eventually be provided by the organization I envision. It would also deal with loss by fire.

2. LEGISLATION: For the first time in U. S. history, we now have a law telling the radio hobbyist what he/she can legally monitor (in the form of the Electronic Communications Privacy Act of 1986). What new laws will come up in the future? What new frequencies will be declared off-limits? ANARC did a good job in the mainly unsuccessful fight to modify the ECPA and showed potential, but it also showed ANARC's limitations, primarily because it is a confederation of clubs, not individuals. (Let me say at this point that I have no intention of undermining ANARC. Essentially, I see the organization I propose as an extension of ANARC, with ANARC as an important building block/cornerstone, as clubs would be affiliated with the organization — see #3 and #4, below)

3. MEMBERSHIP COSTS: I envision the proposed organization setting up some kind of "revenue sharing" with affiliated clubs, so individual clubs could keep their dues down and encourage multi-club memberships, which many, such as C. C. Boehnke, find harder to maintain.

4. PUBLICATIONS: The organization would aid in coordinating club information (such as frequency directories/logs which some clubs put out), making sure that any publications would be adequately cross-referenced to each other and keeping the cost of said publications down.

There would be other goals as well: a wider range of club affiliations than ANARC currently permits, encouragement of local and regional clubs and more face-to-face DXer contact, coordination of contests and awards (of which NASWA is so important a part), Field Days (get out those portables, folks!), a QSL bureau, etc.

An interesting proposal. Before we get into a discussion of the possibilities, I feel that I should tell you that Richard's letters are wonderfully adorned with a hand-executed, informative and attractive masthead. If his reception reports are similarly adorned, I wouldn't be surprised to find out that he has a virtually 100% return rate — take note.

Yes, the explosion of information that has become available to the SWL (indeed, to anyone on any topic) is becoming more expensive. Book prices, subscriptions, club dues — all are on the way up. By and large, these increases are legitimate in that costs are going up and have to be made up in some way. There are usually two options: 1) content can be made to suffer, either quantitatively or qualitatively (usually both), or 2) prices to consumers can go up. As we are dealing in this instance with information (and highly volatile information at that), any decline in quality would lead to a useless — worse, possibly misleading — product. So, prices go up — and, if push comes to shove, we probably wouldn't want it any other way.

Further, the amount of information that is available to anyone, even with the necessary cash, is just a bit staggering. If you could belong to all the clubs, buy all the books, and subscribe to all the magazines — to say nothing of subscribing to the BBC Monitoring Service *World Broadcasting Information* (the benefits of which you do receive by being a NASWA member because Glenn Hauser uses it as a major source of information in *Listener's Notebook*, which, in turn, does include a great deal of material gathered from a wide variety of sources, including other clubs): a mere £350 per annum — you might still not get all of the available information, or even a very large percentage of it.

So, a clearing house of information that optimizes the information/cost ratio would be A VERY GOOD THING indeed. The clubs might prove something of a prob-

lem, however. There is a certain amount of competition for members, more so now that people are being more choosy in how much money they spend on memberships. Authors, too, might very well not want to lessen the SWLer's/DXer's need to buy their books by making the information more widely available in another and less expensive publication.

Discouraging, isn't it?

In a way, it's a shame that the broadcasters themselves have not taken some sort of initiative in this matter. After all, well informed listeners are probably more constant and attentive listeners. All of the major international broadcasters have monitoring services/research departments which exist primarily to evaluate the effectiveness of the station's broadcasts. A lot of other pieces of information are also gathered in the process. There are, therefore, a number of large and constantly revised databases being assembled by professionals who have access to equipment and resources that we as individuals do not. Wouldn't it be wonderful if a centralized organization could have access to this material and publish it in a compact and attractive form for a reasonable price — more as an act of good will to the world-wide listening community than anything else. (Mercy, I think my idealism is showing. How *gauche*.)

Some interesting thoughts for our consideration and comment come from Greg Jordan (Gastonia, NC):

I thought I'd try to slide this under the wire, so to speak, so here goes. Actually, I'm feeling guilty for not contributing to the Log Reports over the past two months (this makes the third). Anyway...

Have you noticed WRNO IDing as the only non-religious, non-governmental shortwave radio station in the US? Somewhat strange that this promotion comes on the eve of what will be the second such station — i.e., KUSW. Actually it's good radio psychology. The same tactic was used here recently. Popular commentator Paul Harvey had been a fixture on WBT Charlotte (1110AM, 50kW). WBT is among a select few AM stations in major markets that can still finish near the top of the ratings (WLS Chicago is another). They didn't want to lose Harvey but for reasons I can't recall the deed was done and Harvey now bolts from a popular country music station — on FM of course. But before the switch was made, in the months running up to it and right up to the last day Harvey was on WBT, a promotion something like this was heard: "Whenever you hear Paul Harvey in Charlotte, think of eleven-ten, WBT." I think this is verbatim but I don't want to get sued or anything. Could this be the next fad for self-promotion, a sinister mutant of the "happy talk" on TV newscasts?

Another point I wanted to bring up — hopefully with better clarity — is the fact that Radio Australia no longer acknowledges its North American listeners in any form over the air. That we're no an official target area is a crime because of the confusion resulting when someone like WHRI picks 9580kHz for a frequency. But we've more or less learned to live with that, right? Well, for years RA announcer Barry Seeber has been "...calling...North America:" when he announces the frequencies on his show. But even that stopped earlier this year. I'd written to Seeber several times over the years thanking him for including us. Could it be that support from the North American audience has caused some bad blood in the upper echelons of RA staff who subsequently ordered Seeber to stick with the official targets? Moreover, do you think it would be worth it to mount a letter-writing campaign to the ABC to grant full recognition to the North American audience? What would the problem be? Why not include us? Its not as if they have to add an extra transmitter or anything because we're already covered. It just doesn't make sense. Status quo for ABC.

First off, credit where it is due. RA is a very good source of information on Pacific Ocean area news generally, and Asian news specifically. The unfortunate side to this is that the general quality of output from RA has shown a tendency to be increasingly less responsive to the needs of the world-wide listening community; in-

deed, RA seems to have become the "easy listening" station of international radio. There was a time when RA rivaled the BBC for programming quality; alas, no longer. The keyword here is 'responsiveness.' I would be lost without RA in the early NA (East Coast) morning — there is very little else in English. I know that I cannot be alone, and yet this seems to make very little difference to those who are in charge.

Contact Bookshelf

There are two items of note this month. First, a new work, or, rather, a second edition of an established favorite: *The World is Yours — Enjoy Listening to International Radio* by Samuel R. Alcorn. It is published by Gilfer Shortwave Assoc., Inc., and costs \$5.95 plus \$2 shipping and handling. This slim, 96-page paperback manages to cover a lot of bases. It is an introductory work that would be perfect for someone who just got a SW radio for Christmas.

The first chapter gives a nice over view to the SWL world. Later chapters discuss receivers; antennas; UTC; a list of the twenty most easily available countries on SWL for the beginner; QSLs; SINPO (SINFO ['F' for 'fading'] as Alcorn puts it: I have seen this before, but have only just noticed the play on words in combining SINPO with 'INFO'); a discussion of non-broadcast (e.g., utility, amateur and CB) SWLing, as well as AM DXing; a survey of programming on broadcast SW (news, music, sports, etc.); the use of computers in SWLing/DXing. The last chapter is devoted to appendices: a glossary, Morse code, "Q" code, and a bibliography (I personally would have liked to have seen a somewhat beefier bibliography — information is the name of the game.) Rounding out the book is a fold-out frequency list arranged according to time. The frequencies given are the principal ones that do not usually vary a lot — in short, a solid, general listing. I can recommend this book without reservation. It can be ordered from Gilfer Shortwave, 52 Park Avenue, Park Ridge, New Jersey 07656 ([201] 391-7887).

Second is the latest edition of the *International Listening Guide*, edited, assembled and published by Bernd Friedewald. I have stated before my enthusiasm for this quarterly journal, and I take pleasure in doing so again. It is refreshing to see an already good work become better and better. *Passport to World Band Radio* (né *Radio Database International*) is another example.

The *ILG* is about the most densely packed source of information about anything that I have ever seen. Broadly, the *ILG* is in two parts: the first part is organized by time; the second part, organized by frequency, is aptly termed "The World Frequency Survey" and begins at 5780kHz. Both sections contain mountains of information. The listing-by-time also contains information on the broadcasts of the principal international broadcasters (AFRTS, R. Australia, BBC, R. Moscow & VOA); a list of world news, commentary, press review and magazine-style programs; current affair programs; AND — MOST IMPORTANT — A LIST OF SWL/DX PROGRAMS. This last, alone, would virtually justify the cost of the *ILG*. Notice that part one lists only broadcasts that are in ENGLISH. (There is also a separate listing of "The External and Home Services in ENGLISH" and, as well, — FRANCOPHILES TAKE NOTICE — a listing of "The External and Home Services in FRENCH." Part two gives a listing by frequency of international broadcasters, above the tropical bands. Included are transmitter site, target area, transmitter power, and language.

In order to put so much information into so small a package (50 pages), there is an understandable use of many abbreviations and symbols. These are, for the most part, intuitively comprehensible and pose little problem. Spending the few minutes that are needed to familiarize yourself with these will pay off handsomely.

A bonus with the latest edition of the *ILG* is the inclusion of *ILG SPECIAL EDITION — THE TROPICAL BAND SURVEY*. This covers frequencies from 2260kHz to 5860kHz. and is structurally similar to part two of the *ILG*. This, too, is wonderful and should be in your library/shack.

The cost for 4 (8) issues of the *ILG* is US\$18 (US\$30) delivered airmail. International airmail delivery for 4 (8) issues is 27 (46) IRCs. For subscriptions or more information write to: DX Listener's Service, c/o Bernd Friedewald, P.O. Box 1112, D-3588 Homberg, W. Germany. The *ILG* is, along with *FRENDX*, a superb investment and one I can recommend without any reservations whatever.

Contact Notes

This month's CONTACT was completely typed and assembled on *ReadySet-Go4.0* from Letraset (including spelling checking and hyphenation). The masthead was drawn on CricketDraw1.1. Fonts are ITCPalatino Roman and Italic, and ITC-Benguiat Bold. All work was done on a Macintosh Plus and printed on an Apple LaserWriter-Plus. In coming months you will see examples of output from Addison-Wesley's *TeXtures* (a Macintosh implementation of the complete T_EX computer typesetting language), Aldus *PageMaker3.0*, *SCOOP* from Target Software and *Just-Text* from Knowledge Engineering. I welcome all inquiries about these programs and the way they work, and the relative merits of each. Likewise, my invitation to you to express your opinions on the visual aspect of the column remains open as always.

As far as I know, all of the requested SWL forms and copies of *The Calculating Shortwave Listener* have been mailed out. If you requested either of these, and have not heard anything, just write and let me know.

Speaking of matters literary, if you have received *The Calculating Shortwave Listener* or the report/log forms, and have used them, I would greatly appreciate your suggestions and opinions. I have not really planned another revision, but if there is enough interest and enough response for me to act on, I'll undertake a new edition. Let me hear from you! I have a few more copies of TCSWL available (\$6.50pp) and the report/log forms are always available (free for postage).

My next venture is a bibliography of SWL. Your comments and suggestions would be appreciated very much indeed. I am aiming at a relatively complete treatment, particularly from a historical perspective. Emphasis will be primarily on articles and books that fall outside the realm of the purely technical — although a technical bibliography would certainly be of no little interest.

Think of some of the newspaper clippings that you have seen here in CONTACT or in other columns: the comment on RFE by James Michener, and the story about the pirate broadcaster RNI (no not *that* RNI, the *other* one...) to name only two. Many books have been cited in FRENDX and these will find a place in the bibliography I envision.

Your help will be greatly appreciated. Just send along titles, authors and publishers (for books), or newspaper name, reporter, date and page number so that I can locate it. If possible, the actual clipping or a copy would be even better.

Furthermore, if there are any books that you think ought to be reviewed or featured in the CONTACT BOOKCASE let me know, and I'll see what I can do.

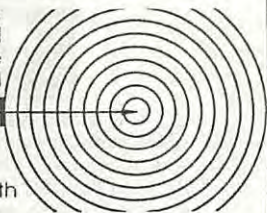
Finally, let me wish all of you the happiest and best of New Years. May your listening be exciting and fruitful.



DX'ers Forum

Conducted by:
Chuck Rippl
1272 Parkside Place
Virginia Beach, VA 23454

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



February, 1988

This month, another winning article by DX'pert Bill Sparks featuring the low power NHK internal service and it's network of regional stations. It is chock a' block full of valuable information on a subject which to date, I have yet to see covered in any detail.

Fred Osterman of Universal Shortwave was nice enough to send along a copy of *Short Wave Receivers, Past and Present*. If you have a receiver you are curious about or are thinking about purchasing a receiver, this *is* the book to have! I certainly recomend Universal Shortwave, an active supporter of our hobby, for your SWBC hobby needs. You can call them at 1-800-431-3939. Tell them you saw it in FRENDX!

There has been some question as to the editorial policy of this column regarding the use of material published herein. Anyone who wishes to use or share this DX'ers Forum with others is welcome to do so provided proper credit is given and this courtesy extends to ALL. If another publication wishes to reproduce this column in it's entirety, I will supply the material requested as long as the permission of the NASWA Executive Council has been first secured.

Continuing along the lines of the courtesy of informational exchange, Don Jensen, acting in his capacity of editor of *Numero Uno*, offered me the opportunity to share with FRENDX readers highlights from the weekly NU bulletins. Of course, I cannot possibly publish the entire contents of each bulletin but it is my intention to pass along what I feel are the most useful and appropriate items to DX'ers Forum readers with proper credit, of course.

I think this will be an enhancement to both FRENDX and DX'ers Forum by providing NASWA members some additional timely DX information perhaps unavailable otherwise. This liberal policy on the part of NU should also indicate that this organization is not nearly as "closed" and secretive as seems to be the prevailing belief. True, the membership is limited to 40 by a nomination/invitation process although this largely serves to limit the heavy workload associated with editing and mailing 1 - 2 page comprehensive bulletin on a weekly basis.

I am sure those interested will join me in thanking Don for his kind offer. Enjoy!

Because of space considerations this month, there isn't much in the way of extra room for much additional copy, but from NU #938 come these two items of interest.

UNIDENTIFIED 15.205.4 unid on 12/25 1702 - 1740 in FF, rock mx, occasional anmmts, jingle ID @1730. Could this be Radio Monte Carlo?? (Gavaras)

MISCELLANEOUS Xmas card from Jeff White w/ltr indicating he is putting R. Discovery on hold for at least a few months due to many problems. Says he is working, apparently free-lance, for the Christian Science Monitor, mostly on LAM issues. He requests any correspondence go to P.O. Box 25425, Tampa, FL 33622 instead of the defunct Corey Ave office. (Krueger)

Have you made your reservation for the SWL FEST to be held February 13-14? See page 56 in last month's FRENDX for details and a registration form. There will be many DX'ers in attendance including this editor.

I sadly make note of the recent passing of *Contact* editor Steven Moyer's mother.

For those interested, I have been posting an electronic edition of DX'ers Forum on the ODDX, Pinelands and A.C.E. BBS's as soon as it is completed. These phone numbers and data requirements are available in back issues of FRENDX.

DX'ing the:

NHK Domestic Service Relay Stations

By: William S. (Bill) Sparks

A NASWA Exclusive

A hot item for serious short wave DXers for the past two years or so has been the low power NHK domestic service relay stations. Actually, the stations now being heard have been on the air since about 1974, but they have been either ignored or overlooked by most DX'ers. There seems to have been two main reasons for the lack of activity by DX'ers prior to 1986.

First was inadequate information on station identifications and schedules. While some information was available from reports in the Danish S. W. Club International in both its Short Wave News and Tropical Band Surveys since 1974, it was not very widely distributed. The reporting of these stations in WRTH has been odd, to say the least. To complicate matters, NHK started to substitute the present low power relay stations for the 5 KW stations relaying home service programs during the 1960's. The 1974 edition of WRTH in its station section on Japan on page 153 published a complete listing of the low power stations with frequencies and schedules that are approximately the same as are listed at the present time. Between 1975 and 1985, WRTH listed some of the stations in its frequency list but did not include the complete listing of frequencies and schedules in the Japan section. As further proof that Murphy's Law still lives, the 1973 edition of WRTH is missing from my collection which dates back to 1962. 1973 would appear to be a pivotal year in checking back on these listings.

Second was an uncertain QSL policy by these stations a few years ago. Somehow they acquired an early reputation among West Coast DXers of refusing to QSL and were reported to have expressed a complete lack of interest in receiving reception reports. I never attempted to test them by sending any reports prior to 1987. Starting in 1986 I did see occasional reports of QSLs received from some of the stations.

The big break-through for NASWA members was a short article by Japanese DX'er, Nobuaki Takahashi, on pages 11 and 12 of the January 1986 edition of *FRIENDX*. The information appearing in this article as to schedules, frequencies and identification of the stations is still accurate. However, his statement that WRTH is of no help can now be revised. The same schedule and frequency list which appeared in WRTH for the first time since 1974 was indeed in the 1986 issue and again at page 214 of the 1987 WRTH. The 1987 edition also included the mailing addresses of some of the NHK stations.

The Takahashi article indicated an uncertainty as to the QSL policy of the stations. The thing that has made the NHK stations a hot item recently is the discovery that most of the stations will now answer reception reports with a QSL letter or card and that they also express a further interest in receiving reception reports. Knowledge of the fact that low power DX targets are now answering reception reports will excite the interest of many DX'ers.

Another important revelation in the Takahashi article is the name of the domestic service relay stations. It is: "Shortwave Fixed Stations for Program Relay" or Hoso-Chuukei-yoh Tampa Koteikyoku in Japanese. I have found that it helps to include a reference to this Japanese name for the service in my reception reports. The program material broadcast by these stations is a relay of NHK country wide network programs number One and Two. These programs are sent to the local MW stations by telephone lines. The short wave relays are on stand-by in case of problems in the land line system.

The programs broadcast on NHK Domestic Service are altogether different from the NHK international service. The programs are for home listeners and are normally in Japanese, although I have heard some English on rare occasions. Japan has broadcast home service programs on short wave since the early days of broadcasting. I remember hearing broadcasts of the Japanese baseball games on short wave back in the 1930's. In fact it is interesting to note that baseball broadcasts are still a feature of the NHK home services during the summer months. If your reception is clear enough, it is possible to follow the of the progress of games to an extent. The English names of balls, strikes, etc., are used in describing the play.

Unfortunately, often the program consists of only long conversations in Japanese. Musical programs also frequently heard are excellent. At times, they consist of traditional Japanese vocals and instrumentals. However, often a very interesting variety of Western concert and vocals are combined with modern Japanese popular music.

During the 1960's NHK broadcast domestic programs with 5 KW stations on the listed frequencies of: 7230, 7285 and 9655. For reasons best known to NHK executives, these relays were eventually dropped after the low power stations began to appear.

Identification of the Stations. Takahashi's 1986 article warns us that "you cannot listen to any identification announcement from the transmitting station". I agree with this statement. The only I.D. that I have ever heard is an occasional "NHK" announcement, usually at about the top of the hour. Indeed, the broadcasts are network relays, and there appears to be no local announcements. Very often there is a five minute news summary on the hour which will interrupt a baseball game broadcast. A listener will soon learn to recognize the NHK time pips broadcast on the hour consisting of three short and then a single long "pip."

The lack of local I.D. announcements results in a problem for the veteran DX'er who often has been critical of the "list logging" neophyte. We are forced to depend upon the published schedule for each frequency listed for these stations. A DX'er who can recognize spoken Japanese however enjoys a distinct advantage. Even when we hear the network "NHK" I.D., we are forced to check the schedule to determine the identification of the particular station being heard as many of the listed frequencies have two or more stations on them. Only three stations have exclusive use of a frequency: Sendai on 3259; Osaka on 3377.5; and Kumamoto on 6130. It is possible to check for parallel broadcasts to make certain that it is an NHK station that you are listening to. This technique can be especially helpful when you suspect that you have an NHK station coming in through heavy QRM on 6130 or 5006. All of the stations broadcast the First program except for the Osaka station. It is prudent to keep in mind that there are many broadcasters on the 49 meter band that use Japanese other than the NHK domestic relays.

Keep in mind the fact that because of the low power in use, it is possible to hear only a portion of the listed stations at the optimum time for trans-Pacific reception. Four stations are listed on 9535. However, use of this frequency by high power international broadcasters eliminates reception of NHK. The same applies to 6190 and 6175 except on very rare occasions.

The remainder of the listed frequencies provide possibilities for reception in North America with the most reliable reception possibilities on the West Coast.

For those who may not have logged one of these stations as yet, I suggest concentration on the Tokyo station that broadcasts in USB on 3607.5 with 900 watts P.E.P. between 1000 to 1300 U.T.C.. This station has been relatively free of QRM in my location. It has an excellent SSB signal. It is important to put your receiver in USB mode when tuning for the station because the transmitter carrier suppression is so great that it is possible to tune right over the station when using the AM mode and not realize that you can copy the USB signal quite well. The station has a folded dipole antenna on a 30 meter high tower. The transmitter is located in-land from metropolitan Tokyo in Saitama-ken. The chief engineer is Haruo Ohta, and the address on my QSL letter from Mr. Ohta is: NHK Shobu-Kuki Radio Station, Danga, Shobu-cho, Minamisaitama-gun, Saitama-ken, 346-01, Japan.

Also listed as using 3607.5 is Hiroshima, broadcasting between 0800-1000 U.T.C. in the AM mode. Unfortunately, I have never been able to hear anything but the USB signal after 1000 on this frequency.

There are two NHK stations operating on the 90 meter band. Sendai is on 3259 between 0820-1300 although it should be noted that this is a frequency that is often subject to UTE QRM. There is also a 10 KW PBS station, Guizhou, which uses 3260 at the same time. This creates a confusing situation if signals are weak. The call sign for the Sendai station is JKS20. The 300 watt transmitter made in 1966 is still in use, with a doublet antenna 26 meters high. The installation is in the Haranomachi Medium wave transmitter building used by station JOHK and JPHB. The verification signer is Masaaki Abe, NHK Sendai Broadcasting Station, Technical Division, 1-11-1 Nishikichou, Sendai City, Miyagi-ken, Japan.

Osaka is heard on 3377.5 from 0800-1300. UTE QRM is frequently a problem here on the west coast, yet on a favorable morning, I have heard this station quite well. This is the only station that relays the Second program of NHK. It is also the only one that I have had a problem in getting a valid QSL reply unless I want to count a trans-Pacific telephone call from the station as a QSL. Shortly after I mailed my reception report, I was awakened after 11 P.M. one night by a telephone call from NHK Osaka thanking me for my reception report and asking if it would be possible to send them a tape recording of my reception of their station. My summer reception was wiped out by power line noise, so it was several weeks before I was able to tape a decent signal and send them a tape. Unfortunately, the station apparently felt that NHK in Tokyo would send me the QSL card. Tokyo sent me a blank QSL card. At any rate, the address that I used for Osaka was: NHK Osaka, Station JKM20, 3-24, Bamba-cho, Higashi-ku, Osaka 540, Japan.

On the 49 meter band, DX'ers have been able to log and verify two stations when Latin American stations are suffering from poor propagation conditions. The easier one for me has been Nagoya on 6005. While it broadcasts in USB, it is possible to copy it in AM. Use of USB does seem to provide clearer reception. The schedule is listed as 0840-1500. Radio Reloj on 6006 and BBC can make things impossible. However there are times, especially between 0930-1030 when I do hear this station. An NHK post card verified my reception with no information concerning the station other than that the power is 300 watts. The card is signed: Public Relations Bureau, NHK Nagoya, Nagoya City, Japan.

The other stations listed for 6005, Matsuyama and Fukuoka, broadcast at times when North American reception is highly unlikely.

On 6130 is Kumamoto, listed as broadcasting from 2100-1500. It has plenty of competition from international broadcasters. HCJB has to be having a poor morning if Kumamoto is to be heard. Often it is necessary to log this one through other stations. In my location, I have found that around 1200 is the best time. HCJB causes too many problems earlier. An unsigned QSL letter shows that the power is 600 watts and the address is: NHK Kumamoto Broadcasting Station, 7 Chibajo, Kumamoto City, Kumamoto, Japan. (East Coast DX'ers check for Kumamoto Monday mornings around 1200 GMT. Although extremely rare, this is a likely time for both favorable propagation and Canadian CHNX to be off for maintenance. This was the case when I heard the station which did send a QSL for a taped report. ED)

That brings me down to a frequency where I have spent many hours of listening through a pile up of SWBC stations and ham QRM. For many months the only NHK I could hear on 3970 was Sapporo during its listed period of 1100-1200 U.T.C. Although reception was quite consistent, QRM was always possible from China, PBS Nei Menggu. A QSL letter signed only "NHK Sapporo" gave no station data. The address is 1 Obdoni Nishi, Chuou-ku, Sapporo, Japan.

The published schedule lists two other NHK stations on 3970. Nagoya at 2000-0600, a time when unfortunately, North American reception is not to be expected. However, Matsuyama is listed from 0600 till 1100 and from 1200 to 1500. If Matsuyama is broadcasting on 3970 with 600 watts as listed, it should be heard at least on the West Coast. I made regular checks on 3970 from February through November 1987 and could only hear Sapporo between 1100 to 1200. My conclusion was that Matsuyama must have dropped its 3970 schedule.

In late November I began to hear a weak signal fading in at around 1030 that definitely was not the PBS station. I wasn't certain that it was a Japanese station due to poor reception conditions. On December 19th, I found that reception had improved to the point that I was able to determine that the 3970 station in question between 1000 to 1100 was parallel to NHK Tokyo on 3607.5. Also the NHK program continued on 3970 after 1200.

The remaining problem is that because of the lack of local I.D. announcements, I have not been able to determine whether Sapporo has taken over Matsuyama's scheduled use of the frequency, or whether Matsuyama is now operating according to the published schedule. I have not had strong enough reception to be able to determine if there is any break in the broadcast, carrier or any other indication of a change in transmitters at either 1100 or 1200.

DX'ers in Japan who might be able to contact the NHK stations in person could do us a great favor by checking with the various NHK stations to find if the stations claims that they are actually on the air are in accordance with the published schedules. A confirmation that Hiroshima is actually on 3607.5 and that Matsuyama is on 3970 as listed would be most helpful.

DX'ers who are beginning to tire of sending unanswered reception reports to the rare Latin American stations might find that the NHK relays provide a nice change of pace and help to increase their total of SWBC stations verified without the necessity of sending out multiple follow-up reports.

* * *

NEWS RELEASE

COUNTRY LIST CHANGES

The Country List Committee has been reviewing and updating the NASWA Country List for the past five months. Some typographical and other errors were corrected and notations were added to bring the explanatory material up to date politically. These will all be incorporated when NASWA publishes its next country list edition in the near future.

In the meantime, there are several substantive changes which may affect NASWA members' country totals. No one will lose any countries. Some may gain some as the result.

If you already have a copy of the present NASWA country list, you will want to make the following changes in both the "by continent" and "gazetteer" sections, in the appropriate alphabetical order.

ADD:

Marshall Islands This reflects the SWBC activity of WSZO, a new station that went on the air last year.

Also, the committee created six new and additional countries by dividing existing countries on the list.

CHANGE: The existing Bali and Lesser Sunda Islands entry to:

Bali (Bali, Indonesia) and...

ADD:

Lesser Sunda Islands (Nusa Tenggara, Indonesia) This reflects the committee's view that there should be a distinction between Bali and the islands to the east, which would include those from Lombok through the western half of Timor. It can be counted by logging the various non-RRI local government stations in these islands.

ADD:

Belgian Congo (Katanga) (Zaire) The committee has re-thought its previous decision on Katanga and now takes the position that it should be given separate country status because it is similar to the Biafra situation. It can be counted by logging the periodically active station at Lubumbashi.

DELETE: The existing Netherlands Antilles entry and:

ADD:

Bonaire (Netherlands Antilles)

Curacao (Netherlands Antilles) This reflects the committee's view that the three ABC islands should be given separate country status on the list.

Curacao had an active SWBC station until about 1960. This country may be the site of a new station, if announced plans are carried through. Aruba, while not currently part of the list, will automatically be added as an additional country if and when the announced SWBC station does go on the air.

DELETE: The existing Trucial States (United Arab Emirates) entry and:

ADD:

Abu Dhabi (United Arab Emirates)

Dubai (United Arab Emirates)

Sharjah (United Arab Emirates) This reflects the committee's view that those Persian Gulf emirates, which should be recognized as separate radio countries. Only three of the shiekdoms had SWBC stations. Abu Dhabi and Dubai need no further explanation. Sharjah was the site of a SW station known as Voice of the Coast active in 1970 and 1971.

CHANGE: The existing Comoros entry to:

Comoros (Fed. Islamic Rep. of the Comoros) and...

ADD:

Comoros (Mayotte) This reflects the committee's view that the two separate political entities in the Comoros group should receive separate recognition in the country list. The Island of Mayotte, largely Christian, opted in 1975 to remain with France, while the other islands, with an Islamic religion and culture, chose independence as a republic. The station at Moroni is in the Federal Islamic Republic of the Comoros. There was an active SWBC station at Dzaoudzi on Mayotte from about 1959 to 1967.

The committee hopes that the addition of seven additional radio countries, as noted here, will add to your totals and provide some additional DX targets to tune.

If you have any questions about these changes, contact the country list chairman. If you do not have a country list, they are available from NASWA headquarters, but please remember, until a new edition is published, the current list requires these additions to be made to bring it up to date.

NASWA COUNTRY LIST COMMITTEE

Don Jensen, Chairman

Jerry Berg

John Bryant

Gerry Dexter

Robert Wilkner



Easy Listening

Editor: Alex Batman, 4636 Alvin Dark, Apt. 2, Baton Rouge, LA 70820

SUNDAY

- 0015-0025 "What's Cooking in Spain?" (Spanish Foreign Radio). A programme devoted to regional cooking in Spain. The programme spotlights a different Spanish region and focuses on the traditional foods, wines and culinary traditions of the Spanish culture. The last few minutes of each programme are devoted to a "recipe of the week" which the station also makes available to listeners in written form upon request. Frequencies are: 9.630 // 6.125. The programme is repeated GMT Monday at 0015 on the same frequencies and also at 0515 on 6.125 only.
- 0130-0133 "Meeting the People" (Radio Prague). For five weeks in a row, the station has presented a capsule of information about a Czechoslovakian who has an interesting job or hobby. Six weeks after each programme, the individual who was spotlighted responds to questions sent in by listeners. Past guests have included a Czech model, a pop singer, the Deputy Director of the Prague Institute for Inventions and Innovations and tennis star Helena Sukova. Frequencies are: 5.930 // 7.345 // 11.940. The programme is repeated at 0330 on the same frequencies.

MONDAY

- 0215-0220 "Certainties of the Future" (Radio Bucharest) If this is not the most boring programme on shortwave, it certainly gives whatever is first a run for it! Each week the programme features industrial plans and industrial statistics of the Romanian economy all presented in a way that furthers the notion of rapid growth of a socialist economy and it's (inevitable) Utopian future. If you want to know something about pig-iron production in Hungary, tune in! Frequencies are: 5.990 // 6.155 // 9.510 // 9.570. Repeated at 0415 on the same frequencies.
- 0235-0240 "Quiz of the Month" (Radio Cairo). Each month features a series of readings on some topical Egyptian subject such as Islamic monuments in Egypt, the Egyptian identity or even the services of Radio Cairo itself. At the end of the programme, four questions are asked which the listener must answer at least two correctly mailing the answers to Radio Cairo. Qualifying entries receive a prize of an Egyptian souvenir or handicraft item. Each different programme usually repeats only some of the information from the previous show and then adds new material so it is necessary to listen to more than one show to qualify. Entries can be sent to Radio Cairo, attne: Quiz of the Month VIA the WRTH address. Frequencies are 9.475 // 9.675.

TUESDAY

- 0005-0030 "Point of View" (KVOH). Radio talk show with host Marlin Maddox. Hard-hitting shows like interview with pro-life woman who was sentenced to five years in prison for trying to disconnect an abortion machine. Frequency is: 9.495. VIA Hans Johnson.
- 0225-0235 "Brazilian Personalities" (Radiobras) Each edition features a personality noted for his / her achievements in the arts, sciences or politics. Past shows have included the first Brazilian female playwright, a movie director and a composer. Frequency is: 11.748 and is presented on alternate weeks.

WEDNESDAY

- 2315-2230 "Letterbox" (Voice of Turkey). Although having seemingly nothing to do with listener mail as the name implies, the programme offers a variety of different features on Turkish history and culture. Past programs have included a series on Sinan, Turkey's best known architect, Turkish culture, a museum and even the structure of the typical Turkish home. Frequency is: 9.445 and is repeated again at 0415 on the same frequency.

0200-0215 "The Call of the Andes" (HCJB). This popular programme is devoted to the lure and lore of the Andes Mountains. Past programmes have featured Pizzaro's adventures with the Incas, readings from the diary of Edward Wimper, the first man to scale Chimburazo, and the flora and fauna of the Galapagos Islands. The last few minutes of the program are devoted to religious commentary based on the preceding subject material. Frequencies are: 6.230 // 9.720 // 11.775.

THURSDAY

2310-2315 "Turkeys Economic Relations" (Voice of Turkey). A programme featuring Turkish economics. Most recent programmes have covered Turkey's bid to become a full member of the EEC. Frequency is: 9.445 and is repeated at 0410 on Friday GMT on that same frequency.

0215-0230 "Listeners Letterbox" (Radio Bucharest). This is a typical letterbox programme in which letters from listeners pertaining to questions about Romania and Romanian culture are read and answered on the air. Romanian popular music is also included. Frequencies are: 5.990 // 6.155 // 9.510 // 9.570. The programme is repeated at 0415 on the same frequencies.

FRIDAY

2240-2250 "Shabbat Shalom" (Kol Israel). This is programme devoted to Hebrew folk music although not all have religious roots. Most of the songs played, about three or four per show, are requests and dedications from listeners. The song titles are given in both Hebrew and English. Frequencies are: 7.462 // 9.435 // 9.845 and is repeated at 0110 on GMT Saturday on the same frequencies.

2310-2325 "The Way We Live" (Radio Vilnius). A programme devoted to modern life in Lithuania featuring two or three different segments per edition. Past programmes have spotlighted preparations for the celebration of the Socialist Revolution, a Lithuanian town becoming a tourist attraction and the effects of Parastroika (Restructuring) on Lithuanian industries and collective farms. Frequencies are: 5.980 // 6.200 // 7.165 // 11.780 // 11.860 // 13.645.

SATURDAY

1230-1300 "Weekend Magazine" (Radio Australia). Host interviews people from all walks of life and also features a variety of Australian topics. With the cutbacks in the once great Radio Australia new programmes, this may be a way to keep up with what's happening there. Frequencies are: 9.580 // 9.770. It is broadcast earlier on GMT Friday at 0030 on 15.320 // 17.795 and is repeated again 0630 and 1830. VIA Hans Johnson.

2209-2230 "From Our Own Correspondent" (BBC). Different correspondents give a behind the scenes look at the stories they are covering. Frequencies are: 5.975 // 6.175 // 7.325. Repeated on GMT Sunday at 0315 and 0730 and at 1115 Sundays on 11.775 // 6.195. VIA Hans Johnson.

Thanks to this months contributor, Hans Johnson of Savannah, Georgia for his invaluable information.

NOTICE

PLEASE REMEMBER WHEN RENEWING THAT NASWA MEMBERSHIP DUES HAVE GONE UP ABOUT 17¢ A MONTH TO \$18.00 A YEAR. SUBSCRIPTION PRICES FOR "DXTRA" AND OVERSEAS AIRMAIL RATES WILL REMAIN THE SAME FOR THE PRESENT.

NASWA Awards Program:

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

Greetings and welcome to the February 1988 edition of the Awards Page. The following folks recently earned NASWA Awards.

Rowland ARCHER, Raleigh, NC: All Continent "QRP" DXer (10 Kw); Asian Continental DXer.

Robert I. CATE, Bow, NH: Asian Continental DXer; Soviet Sphere DXer

Richard E. DAVIS, Portales, NM: European Continental DXPert

Rev. John C. ECKERI, Collegeville, PA: Senior British Commonwealth DXer

Joe EARLEY, Downers Grove, IL: Master British Commonwealth DXer

Sheryl PASZKIEWICZ, Manitowoc, WI: Senior DX Centurian - 160 country endorsement; Tropical Band DXer; African Continental DXer

Donna ROBINSON, Downers Grove, IL: Ecclesiastic DXer

Thomas V. ROSS, Lyons, IL: All Voice of American DXer

Kent WILLIS, Louisville, KY: DX Centurian; DRTF DXer

*** kap's comments ****

The NASWA Country List Committee has recently announced several additions to the Country List. Space limitations prevent the listing here, kindly send an SASE and an extra 22 cent stamp (to cover copying costs) to me and we'll send the News Release along.

As mentioned previously, our work schedule will be such until April 15 that there will be some delays in responding to correspondence and in processing Awards applications. We will endeavor to reply in no longer than 2 weeks or so but cannot promise even that.

We recently received our copy of the 1988 World Radio TV Handbook and recommend it highly. The WRTVH as well as Passport to World Radio (nee Radio Database International) should be considered required additions to one's library.

Speaking of WRTVH, I am still looking for some pre 1970 Editions. Let me know what you have along with your asking price.

Our congratulations to Bob Grove and Larry Miller on the new magazine type format for Monitoring Times. Well done, gentlemen.

Our friends over at ARRL are doing a bang up job processing "We The People" applications. An SASE to ARRL at 225 Main St., Newington, CT 06111 will get you an application and details. Yes, I know that this has nothing to do with SWBC, but an interesting project to work on when the SWBC bands are dead.

Another very interesting Award is the CQ magazine sponsored "County Award" which is available to SWLs as well as Hams. The basic Award is for QSLing 500 counties (not that hard) and then goes in 500 county steps until the whole "ball of wax", 3075 counties (that is hard) is achieved. CQ at 75 North Broadway, Hicksville, NY 11801 will be happy to send you a copy of the rules along with the required Record Book for \$1.25. Again, a nice project to play around with when 60 meters is out to lunch.

Some time ago we mentioned the International Short Wave League (ISWL) Awards Program. Our understanding is that ISWL has suspended publication of their bulletin and that their Awards Program is in abeyance. If anyone has information to the contrary please advise me.

One very interesting SWBC Award is that offered by the Finnish DX Club. The only requirement is to log and QSL all 6 continents. The catch is that this must be done on 1 "DX Day" (0000-2359 UTC). If anyone is interested let me know and we'll dig out the address.

Till next time,
B.S.S., *[Signature]* 1/24/88

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DR. DX BUYS A NEW RECEIVER

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Dr. DX was pretty excited. Mrs. Dr. DX had given Dr. DX big bucks for Christmas and told him to go buy some radio stuff. Dr. DX talked to his friend who is a ham (Mrs. Dr. DX thinks all Dr. DX's friends are hams) and decided to spend his Christmas big bucks on a new receiver. Dr. DX had not bought a new receiver in some time so he had to learn about them again. Dr. DX's friend told Dr. DX that he did not want a receiver for long waves. Dr. DX's friend told Dr. DX that he did not want a receiver for medium waves. Dr. DX's friend told him he wanted a receiver for short waves. Dr. DX figured that it sounded like the shorter the better, so off Dr. DX went to buy a microwave with his Christmas big bucks. Dr. DX's microwave had all the things a modern receiver should have--few controls and nice size, and, as a bonus, the radio salesman told Dr. DX it could be hung under the counter for ease of operation. Dr. DX was mighty impressed until Dr. DX tried to tune it up--the dial light kept coming on, the cooling fan kept running, the frequency indicator would not hold steady (it kept lowering in frequency), and it made strange ding sounds. Dr. DX's ham friend called after awhile and told Dr. DX that he was hearing Laos coming in at S9 on his S meter--Dr. DX had only one meter on his microwave receiver and it said well done. And everytime Dr. DX opened the door to plug in his headphones, the dial light would come on and everything else would turn off. Dr. DX has decided that even though the idea is good, the microwave is not a very good DX machine--in fact, Dr. DX has not heard a single station on it yet! Mrs. Dr. DX came home and seemed real happy with his new receiver and gave him a big kiss for spending his Christmas big bucks on her. Dr. DX did not even know that Mrs. Dr. DX was interested in his hobby, so he made a big deal out of it and gave the brand new receiver to Mrs. Dr. DX. She took it into the kitchen so that she could listen while cooking, Dr. DX guesses. Dr. DX's Christmas big bucks were gone now and he has to listen with his old receiver, but that is not so bad since Dr. DX has found a new antenna that works just jim dandy. Dr. DX heard that some listeners are able to hear rare stuff from the tropics during their lunch hour by using strips of aluminum foil taped to the wall as an antenna. Dr. DX has gone that one better and wraps his whole body in aluminum foil with just enough space for his pipe to stick out. Dr. DX then becomes a directional antenna and can hear really good stuff just by flapping his arms like a bird and aiming himself toward what he wants to hear. Dr. DX gets hot sometimes, especially when he has on his tangerine and purple polyester jump suit, but Dr. DX figures that is a small price to pay for good DX. Dr. DX's major problem with his new antenna is Mrs. Dr. DX. She keeps bringing her bridge buddies into his radio room to show them Dr. DX, steadfastly pointed toward some exotic DX target, standing on one foot with his pipe smoking and his arms flapping--and then Mrs. Dr. DX usually makes some unkind comments about Dr. DX's parentage. Dr. DX also has problems with Daisy the DX dog who thinks he is a roll of Christmas paper and tries to drag him off and unwrap him. Dr. DX is working on solving these problems and will let you know later if he gets them all worked out. Dr. DX is real excited about what he is going to tell you next time: he is taking the AMTRAK Auto Train to Florida on business and is taking his roll of aluminum foil and his radio so he can hear some good stuff. Dr. DX always has sooooooome fun on his train travels and will have a lot to share with you next time. Until then, B+ (Get it? That's a radio joke--Dr. DX can sure tell 'em some time!)

FRENCH LATIN AMERICAN QSL SURVEY
January 1985-December 1987 inclusive
Compiled by Bill Plum

Format Followed
Total # QSLs-Station Name-(# QSLs in 1987)

ARGENTINA

36-RAE/R. Nacional de Buenos Aires(5)
6-R. Rivadavia(1)
4-LRA36
3-LOL(1)

BOLIVIA

9-R. Santa Cruz(2)
6-R. Juan XXIII(1), R. Nueva América(2)
5-R. La Cruz del Sur(2)
4-R. Illimani(3), R. El Mundo(4)
3-R. Panamericana(1)
2-R. San José
1-R. Nac. de Cochabamba, R. Atarou, R. Cristal
R. San Miguel, R. Altiplano, R. San Rafael, R. Em.
Bolivia, R. Progreso, R. El Cóndor,
R. San Gabriel(1), R. Uchiza(1), LV del Tropico(1)

BRAZIL

68-Rádiorábrás/R. Nac. do Brasil(8)
15-R. Nacional Manaus(4)
12-R. Cultura do Pará
11-R. Aparecida(2)
10-R. Aranguera(1)
9-R. Dif. do Amazonas(1)
8-R. Globo(5)
6-R. Universo(1), R. Cult. São Paulo(4)
5-R. Excelsior
4-R. Cl. Hiberão Preto, R. Gaúcha, R. Bandeirantes(1),
R. Cl. Paranaense(2), R. Dif. do Maranhão(4),
R. Araguaia(4), R. Cl. do Pará(4), R. Guaiá(3),
R. Nacional Boa Vista(3)
3-R. Borborema, R. Brasil Central, R. Rio Mar(1)
2-R. Ed. 3 de Julho, R. Soc. da Bahia, R. Alvorada
Paritins, R. Globo São Paulo, R. Copacabana, R. Ed.
Rural Campo Grande, R. Por um Mundo Melhor(1)
1-R. Ed. de Bragança, R. Timbira, R. Cacique de
Sorocaba, R. Cl. Varginha, R. Congonhas, R. Nac. da
Amazônia, R. Soc. Triângulo Mineiro, R. Marajoara,
R. Jornal do Comércio, R. Cult. Araraçuara, Rdf.
Acreana, R. Em. Rural de Santarém, R. Nac. Porto
Velho(1), R. Ed. Limeira(1), R. Cl. de Dourados(1),
R. Jornal Transamazônica(1), R. Inconfidência(1),
R. Nac. de Rio(1), R. Nac. da Tabatinga(1)

CHILE

26-R. Nacional de Chile(1)
6-R. Minería(1)
4-R. Agricultura
2-R. Santa Maria
1-R. Patagonia, R. Nuevo Mundo, CCV

GUATEMALA

23-TGNA(2)
11-R. Maya de Barillas(3)
8-R. Tezulutlan(3)
6-TQMUB/R. Unión
4-R. Mam(2)
3-LV de Nahuala, R. Chortis(2)
1-LV de Atitlan

HONDURAS

23-HRRIT(18)
12-R. Luz y Vida(1)
10-HRVC(2)
2-LV de la Mosquitia(1)
1-HRPC, R. Lux, R. Juticalpa,
LV del Junco(1)

MEXICO

8-XENW LV de la América Latina
6-R. México Int(2), XEIJ,
XEYU R. Universidad(2)
4-XEQX La Hora Exacta(2)
3-XEQM
2-XEUDS-R. Universidad de Sonora,
XEQX-R. Universidad Potosina(1)
1-R. La U Veracruz, R. Huayacocotla(1)

COLOMBIA

14-R. Macarena
12-LV de los Centauros(2)
10-R. Sutatenza(1)
7-LV del Llano(1)
5-Ondas del Meta(1), R. Super de
Medellín(1), LV del Guaviare(2)
Em. Nueva Granada
3-R. Dif. Nacional
2-Ondas del Orteguzza, Em. LV del
Orinoco, R. Bucaramanga, R.
R. Cadena Nacional(2)
1-R. Cinco, LV de la Selva, Ondas
del Darién, R. Sonar, Ecos del
Combeima, LV de Yopal(1), LV de
Marandua(1), R. Guatapuri(1),
Caracol Neiva(1), Armonías del
Caquetá(1), Ecos del Atrato(1)

COSTA RICA

18-R. Lira Int.(12)
15-R. Rolo(3)
12-TIFC(4)
8-R. Impacto(3)
4-R. Columbia, R. Casino(1)
1-R. Humbo, R. For Peace Int.(1)

CUBA

19-R. Rebelde(6)

DOMINICAN REPUBLIC

21-R. Discovery(20)
11-R. Clarín(1)

ECUADOR

29-LV del Upano(7)
25-R. Católica Nacional(3)
12-R. Zaracay, HD210A(4)
11-Em. Gran Colombia(1)
8-Em. Jesús del Gran Poder(3)
6-R. Quito(1), R. Paz y Bien(2)
5-R. Iris, CHE(1)
4-R. Pastaza(1), LV del Napo(2),
R. Centinela del Sur(2), R. Bahía(1)(2)
3-Esc. Radf. Pop., R. Antena Libre(3)
2-LV de los Carás, R. Federación
Shuar, R. Luz y Vida, R. Tarqui,
Ondas Quevedevas, LV del Rio
Tarqui, Sis. de Em. Atalaya, LV
de Rio Carrizal(2), R. Popular,
R. Rio Amazonas(1),
1-R. Casa de la Cultura, Ondas
Azuayas, Ondas Cañarís, LV de
Squisill, R. Nac. Espejo,
R. Nac. del Ecuador

GALAPAGOS ISLANDS

13-LV de Galápagos(11)

PERU(cont.)

4-R. Quillabamba, R. Madre de Dios(1)
3-R. Tropical, R. Chinchaycocha, R. El Sol de
Los Andes, R. Pucallpa, R. Chota, R. Santa
Rosa(1), R. Tawantinsuyo(1), R. Inca del Perú(3),
2-R. Huallaga, R. Tarma, R. Pampas, R. Melodia,
Estación C, R. El Sol, R. Tarma(2)
1-R. Rioja, R. Arequipa, R. Imagen, R. Nuevo
Continente, R. Chanchamayo, LV de Oxapampa,
R. Los Andes, R. Libertad de Trujillo, Ondas
del Titicaca, LV de Cutervo, R. Gran Pajaten,
R. Cedendín, R. Nuevo Cajamarca, R. Ilusión,
R. Acuña, R. San Pedro, R. Moderna, R. Cuzco,
R. Bambamarca, Ondas del Huallaga(1), R. San
Juan de Caraz(1), R. El Porvenir(1), R. Visión(1),
R. Amistad(1), R. Inca(1), R. Cutervo(1),
R. Sicuani(1), R. Andina(1), R. Huancayo(1)
R. Huanta(1)

EL SALVADOR

8-R. El Salvador(1)

URUGUAY

4-R. El Espectador
3-SODRE
1-R. Monte Carlo

NICARAGUA

20-R. Zinica(4)
 8-LV de Nicaragua(4)
 3-R. Sandino(3)

PARAGUAY

15-R. Nacional(5)
 1-Em. Paraguay, R. Encarnación(1)

PERU

10-R. San Martín(5)
 9-R. Unión(2)
 7-R. Ancash, R. Atlántida
 6-R. San Juan de Chota, R. América(2),
 R. del Pacífico(2)
 5-R. Bangua, LV de la Selva(2),
 R. Oriente(2)

VENEZUELA

25-R. Capital(9)
 12-YVTO(1)
 11-R. Táchira(6)
 8-R. Occidente(4)
 7-R. Yaracuy(1), LV de Carabobo(6)
 6-R. Rumbos, R. Juventud, Ecos del Torbes(1),
 R. Valera(6)
 3-R. Mundial Bolívar, R. Frontera, R. Nacional(2),
 R. Barquisimeto
 1-R. Tricolor, R. Turisao, R. Monagas, R. Mara(1),
 R. Sensación(1), R. Maracaibo(1)

NO COLLECT CALLS ON THESE ADS, PLEASE

WANTED: Used loops for Palomar Loop Amplifier; 10-40 kHz, 150-500 kHz, 500-1600 kHz, and 1600-5000 kHz. Please write or call with best prices. John Henault, 55 Lincoln Street, Abington, MA 02351. Telephone (617) 878-8081 between 5:00 pm and 10:00 pm EST.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 415 WRTH-87 transmitter sites. Useful in selecting alternate transmission and choosing listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$5.85. SONY ICF 6700W, \$100.00 as is. Gilfer Confidential Frequency List and Guide to RTTY Frequencies, \$4.00 each. All items include shipping. Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

WANTED: Drake R-7 or R-7A receiver. Also looking for SPR-4, R-4C. Other models considered. **FOR SALE:** Collings 7553C with filters, \$950.00. Tony Musero, 1609 South Tseminger Street, Philadelphia, PA 19148. Phone (215) 271-8898.

FOR SALE: Seeker interface and software for computer control of IC-R71A. Great unit for logging, following broadcasts, and scanning, \$80.00. Regency 8-crystal scanner, \$35.00. Also many antique radios, literature, and tubes. Send SASE for new list. **WANTED:** Digital display for use on tube radios. Also Shortwave adaptor for car radio. Also junk Collins radios and Collins literature. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2458 evenings.

FOR SALE: VHF unit for FRG-8800 receiver. Mint condition with instructions. Plugs into back of 8800 and extends coverage from 108 through 175 MHz. Price \$50.00. FRT-7700 antenna tuner for FRG-7700/8800 receivers. Mint condition with manual. Price \$55.00. Sony 2001 receiver. Absolutely mint condition with service manual. Own the "original" portable worldband radio. Price \$150.00. **WANTED:** Sony AN-1 active antenna. Richard Arland, 9 Vine Street, Shavertown, PA 18700. Phone (717) 696-2179.

DATA BASE SERVICE: No computer? Like to have your Log sorted by Continent, Country, or your choice including searches and printouts by power, etc, to assist in awards determination? A printout with updates eases record keeping and appearance. Send SASE for more information. C.V. Hyson, 9835 Lone Eagle Lane, Charlotte, NC 28215.

WANTED: Old Radio Prague program schedules. Original or copies okay. Program Guide of daily features, not frequency schedules, from 1964 to present. Photos of Radio Prague personalities and issues of Czecho-Slovak Life Magazine from the late 1960's and 1970's. Please contact Stephen Bohac, RD 6, Box 750-A, Branchville, NJ 07826.

WANTED: I need one copy of January, 1987 Monitoring Times. Stephen Bohac, RD 6, Box 750-A, Branchville, NJ 07826.

NOTICE

We have a limited number of copies of the ADXA bulletin "DIAL" here which may be of interest to any member who speaks or studies Spanish. ADXA is the Asociación Dixelia a Aragonesa in Spain and there is little or no English in the bulletin. Three 22¢ stamps will get anyone interested one copy while they last. Write to NASWA Headquarters.

NOTICE

Please be certain to include your return address inside the envelope when writing to NASWA (or any place else). We now have three requests for information with nowhere to send them. If you know a Jane Heilmann, Robert Campbell (requests computer info), or Nick DeRitos (Philadelphia or surrounding area), please tell them to write again. Thanks.



Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702

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A F G H A N I S T A N In Nov LN, Afgh via USSR did not list 15435. While in London, England, on vacation hrd R Afgh in EG from 0905 t/in to 1000 when into unID lang on 15435, 8/11 (James Kline, Santa Monica CA) Was in Jan LN (gh) +IMI

A L A S K A KNLS on 6100, from *1400 JP pgm & mx to 1459*, 555 sig 5/1; not as listed in Dec LN-23; from *1500 in RS on 7355 (Ernie Behr, Kenora Ont)

A N G O L A R Nacional, 11955, from 1600 IS & EG nx, 1604 pop mx, 1628 IS & PT/EG anmt, 1630 u/Sweden SP QRM; 19/12, but EG nx not daily (Ernie Behr, Ont)

A R G E N T I N A RAE ancd 4/1 2100: This SP pgm will be M/W/F 21-2155 on 15345, per suggestions from SS listeners in Eu for more suitable time/fq (WBI 8/1) SP = Spanish (language); SS = Spanish-speaking; FF = French speaking, etc (gh)

A U S T R A L I A VLW9 Perth, 9610.1, from 1400 ABC nx & pop mx until 2230; strong, steady sig all day, 13/12 & often since; is this LP or SP? (Ernie Behr, Kenora Ont, 25/12) In this context LP = longpath, SP=short path; I wonder too

B A N G L A D E S H R Bang hrd on 3/1 in Nepali on 6240 & 9775 1315-1345; 6240 stronger (Christos Rigas, Chicago IL)

ALGERIA IMI

B E R M U D A [Dec LN-24 cf] RNMN reported 17/12: Another non-starter: plans for a 500 kW MW stn here. Last week one of the consultants, (¿Ed Schober) was told by Berm MinCom, Mr Collis that their construction req has been refused. Schober says: enough negative comments from residents & offis re environmental & neighbouring development problems; issues raised about electromagnetic compatibility of our proposal w/cable amplifier testing done in (¿dockyard). Afraid hi-power AMSigs might break thru into other eqp; also question about advertising advantage for tourism via this medium (WBI 1/1)

B O L I V I A R Illimani, 4945, a surprise w/VL and viewcard from v/s Carneza de la Cruz Huanca, ancr of pgm Kollasuyo (Torre Ekblom, SWB, via Dec DSWCI SWN) 1tr from Carmelo [sic] de la Cruz Huanca, locutor y productor, gives fqs 6025, 4945, 1020kHz, 94 MHz (Marcel Rommerts, Neth, ibid.)

B R A Z I L R Excelsior, 9585, from 0500 PT sports, ads, IDs to 0559*; G 13/12, but irreg sked, not daily (Ernie Behr, Kenora Ont, 25/12) more, LMI

B U R K I N A F A S O PANA nx agcy, Dakar, reported 1/1 from Ouagadougou: A private radio, "Horizon FM," owned by a Burkinabe [N.B. this term, but how to pronounce?] musician, began formal xmsns 1/1 on 104.4 MHz covering the Burkinabe capital & suburbs; tested on 30/12. Cost some 35 megafranz CFA (abt 875 k\$ US) was financed by two commercial banks. Purely commercial venture; owner Mustapha Laabli Thiombiano says mx, entertainment educ pgms only, no politix. Abt 12 entertainers/DJs employed (WBI 8/1)

BURMA BBS reported 3/1: BBS will begin using new MW xmtrs 4/1 = 40th anniv of indep: new 576 kHz along w/old 954. TV pgms also to be relayed from Taunggyi. (WBI 8/1) Unclear whether new MW fq also in Taunggyi, but seems likely. As I have pointed out before, Burma one of the least radiofied countries extant (gh)

CAMEROON R Cameroon got married to Cameroon TV on 17/12. In near future, R Cam sigs will reach you as Cameroon Radio Television. With the marriage, we have become a corp. w/less govt QRM in mgt. This'll lead staff to better performance in production. The bill passed thru Cam Natl Assembly was promulgated into law on that date. When there will be precise info on its functioning and opns, I'll get you informed (James Achanyi Fontem, R Cam, 15/12 letter to Rev. Father John Eckert, Collegeville PA; also included photos and info about CATHCA)

Cam Natl R, Yaoundé, reported 18/12: Bills adopted by the natl Assy during its 17/12 session were promulgated by the Head of State, His Excellency Mr Paul Biya. They included establishing audiovisual system, creating Cam BCing Corp and establishing supplementary budget of the Ministry of Posts & Telecoms (WBI 1/1)

CANADA CKFX Vancouver, 6080, from 0200 nx & wx, C&W mx to 0400, fair over HCJB. CKZU Vancouver, 6160, from 0200 "World at Six" and other CBC pgms to 0400, strong sig; both hrd UTC 14/1, v. rare evening reception. CFVP Calgary, 6030, from 1430 pop mx & ads to 1550, often strong since 8/1 (Ernie Behr, Kenora, 15/1)

I happened to hear the "Sunday Morning" feature about CKUA, and agree w/gh's comments, rather than Ernie's (William Westenhaver, Montreal PQ)[Cf Jan LN]

RCI SWLD reported 9/1: Approval now rcvd for construction of four new 13-MHz band antennas at Sackville NB, for bcs to Eu, Af, LAm, NAm. Work already begun on project and expected complete in July 1989 (WBI 15/1) I bet some existing ants would do in meantime if the band propagationally advantageous (gh)+LMI+CHAD

CHINA (PEOPLE'S REPUBLIC)

A new radio station which broadcasts to Taiwan was established on Jan. 1.

On that day a Chinese language stn was noted at 14:52 on 3280kHz. After it broadcast programs consciously for Taiwan listeners, it announced ID as "Voice of Pujiang B. S.". And it broadcast several messages to this stn including from V of the Strait and V of Jinling from 1550-1556. It signed off with closing announcement at 1556.

On the other hand People's Daily issued on Dec. 31 last year reported that V of Pujiang would start to operate in Shanghai on new year day. This article said that the purpose of broadcasting of this stn was the service for Taiwan compatriots, raising patriotic sentiment, giving impetus to unity, and reporting news of the motherland.

Now V of Pujiang is on the air from 0955-1545 in Std CH and Shanghai dialect on 4950, 3990 and 3280kHz. The announced address is 1. Beijing-donglu 2, Shanghai, 2. P. O. Box 3064 Shanghai, 3. P. O. Box 4106 Hongkong. Address 1. is the same as Shanghai PBS, and it is presumed that the programs are produced in studio of Shanghai PBS.

"V of Pujiang" is named after Huangpu jiang (Huangpu River) through Shanghai. (Satoru Suga, Akira Yamanaka)

V of the Strait BS has readjusted the SW frq geometry between 1st and 2nd Programs. Monitoring observations shows its transmission schedule with effect from Jan. 1 as follows.

1st Program: 0955-1751 & 2055-0031 overall:

5770 0955-1130, 5240 0955-1340, 4840 0955-1345(variable) 2300-0031, 4045 0955-1200, 3535 1341-1751 2300-0031, 3300 0955-1751 2230-0031, 2490 0955-1751 2055-0031, 1377 1132-1751 2055-(unknown).

2nd Program: 0355-1626 overall:

6000 (unknown)-0900, 4330 (unknown)-1400, 3200 0901-1626, 846 & 666 0355-1626(announced). (Satoru Suga)

CPBS has changed shortwave transmission schedule since Nov. 11, 1987. Monitoring observations show the services are carried out on the following frequencies.

1st Program: 2000-1733 overall exc 0600-0853 on Tue.

17605 0011-0910(to 0600 on Tue), 15590 0031-1145, 15550 0101-0810, 12120 0026-1230, 11610 0101-1230, 11330 0001-1000, 9080 2000-0030 1146-1733, 9064 2000-1733, 7935 2000-0100 1231-1733 7525 2000-0025 1231-1733, 7516 2000-2300 1100-1733, 7504 2000-1733 exc 0530-0900 on Fri, 7440 1100-1733, 7335 2311-0100, 6840 2000-1733, 6750 2000-0100 1100-1733, 6125 2000-0100 1100-1733, 5915 2000-0100 1100-1733, 5880 2000-2310 1100-1733, 5860 2000-0100 1100-1733, 5320 2000-0100 0811-1733, 4905 2000-2300, 4460 2000-0010 0911-1733(from 0853 on Tue), 3220 2000-0000 1001-1733.

2nd Program: 2000-1558 overall exc 0600-0953 on Wed & Fri.

17700 0231-1045, 15500 0101-0959(to 0600 on Wed, Fri), 15030 0000-1100, 12200 2341-1015(to 0600 on Wed, Fri), 11740 0000-0230 1046-

1500, 11630 1100-1240, 11505 2331-1100, 11040 2331-1135(exc 0515-0900 on Tue), 10260 1200-1310, 9775 0101-0200, 1030-1140, 9755 0001-0200, 9390 2100-2359 1101-1558, 9020 2100-1558, 8007 2100-0000 7770 2100-1558, 7235 2100-2359 1501-1558, 6920 2100-2340 1330-1558, 6890 2100-2330 1136-1558, 5163 2100-0000 1000-1558, 5075 2100-0100 1000-1558(from 0953 on Wed, Fri), 5030 2230-0100 1300-1558, 4800 2230-0200 1000-1140 1300-1558, 4250 2100-2330 1101-1558, 3290 2100-2340 1016-1558(from 0953 on Wed, Fri).

Broadcast for Minority Nationalities:

0000-0026 Tibetan 11375 8566 6920, 0030-0056 Uighur 11375 10260 8566, 0100-0126 Kazakh 11375 10260 8566, 0430-0456 Korean 9920 9775 8566, 0500-0526 Mongolian 9920 9775 8566, 0530-0556 Tibetan 17635 15670 11630, 0600-0626 Uighur 17635 15670 10260, 0630-0656 Kazakh 17635 15670 10260, 1000-1026 Korean 9775 5420 4190, 1030-1056 Tibetan 11630 11375 8566, 1100-1126 Uighur 11375 10260 8566, 1130-1156 Kazakh 11375 10260 8566, 1200-1226 Korean 5420 5030 4190, 1230-1256 Mongolian 5420 5030 4800 4190, 1300-1326 Tibetan 8566 7660 6920, 1330-1356 Uighur 8566 8007 7660, 1400-1426 Kazakh 8566 8007 7660, 1430-1456 Mongolian 8566 8007 7660, 2130-2156 Korean 5420 5030 4190, 2200-2226 Mongolian 5420 5030 4800 4190.

Broadcast to Taiwan 1st Program: 0055-0609 & 0955-0004 overall.

15710 0055-0609, 11925 0055-0609 0955-1120, 11100 0055-0609 0955-1245, 9455 0055-0609, 9380 0955-1400 2321-0004, 7620 1121-0004, 6015 1246-0004, 5125 1401-2320, 3815 0955-0004.

Broadcast to Taiwan 2nd Program: 2055-0104 & 0355-1804 overall

exc 0604-0953 on Wed. 15880 0355-1015, 11000 0001-0104 0355-1130. 9170 2301-0104 1016-1215, 6790 2055-0000 1131-1804, 6095 2331-0104 0355-1315, 5090 2055-2300 1216-1804, 4850 2055-2330 1316-1804.

(Satoru Suga)

Xinjiang PBS changed some frqs in response to winter SW propagation on Nov. 13, 1987. Std. CH service: 3960 in place of 7385kHz Uighur service: 3990 in place of 7195kHz. (S. Suga)

Jiangxi PBS can be heard again on 3700VkHz. This frq is subject to variation around 3723-3696kHz. (Akira Shibuta)

Tianjin PBS turns up again on 4100kHz with poor condition. 4100 kHz carries out "Literary Program" (formerly "3rd Program") in parallel with 1386kHz. This SW channel was first found in Nov. 1984. (Akira Yamanaka)

Gannan PBS has changed the SW frq 3210kHz to 5971kHz. First noted on Nov. 2, 1987. This frq now signs off at 1420. (S. Suga, Hiroshi Fujita)

Hubei Province Meteorological BS is now on the air on 5990, 4886 kHz around 0630-0715. (A. Shibuta, Tatsuo Gima)

(East Asian DX News from the Asian Broadcasting Institute, 7/1 & 11/1, compiled and translated by Tetsuya Kondo, Japan)

Xinhua nx agcy, Peking, reported 29/12 from Shanghai: Mayor Jiang Zemin will extend New Year greetings to Taiwan compatriots thru a newly opened radio stn in the city. The V of Pujiang is the Chinese mainland's sixth radiostn beamed to Taiwan. "Pujiang" means the Huangpu River that snakes thru this largest city of China. "Our policy is to spread nx about Shanghai among those natives of Shanghai living in Taiwan to promote patriotism and help China unify," said a spokesman for the stn. "Our 6 hpd pgm will also include service articles." [sic]. Stn will bc in Putonghua (Mandarin) [std Chinese] and the Shanghai dialect.

Shanghai PBS reported 28/12: VOP will bc 0955-1545 on 3990 & 3280. [BBCMS ed noted: other stns to Taiwan include CPBS Peking, V of the Strait (ex-PLA Fujian Front), Fujian PBS in Fuzhou, and V of Jinling in Nanjing] (WBI 8/1) Already DX-ed as unID by Bob Hill on 3280; note ABI report above of a third fq (gh) V of Pujiang, from Shanghai PBS, since 1/1 on 4950 3990 3280 0955-1550; incl nx in Std CH at 10-1010, 12-1210, 14-1420; Shanghai dialect 1110-1120, 15-1510 (WBI 15/1) ¶ Inner Mongolia PBS, Hohhot, reported 25/12: a SW xmsn centre belonging to I.M. R&TV dept began test bcs 24/12. Upon completion, reception in central & western parts of region and remote areas will be improved (WBI 15/1) Fqs?!

Shandong PBS, Jinan, reported 31/12: Feicheng County PBS, in mining area, has begun formal opns. As well as TV (WBI 8/1) Unk if SW included, but I suppose on the county level it is unlikely (gh)

At 1000 2/1, test xmsn of mx, and anmt in SP on 7165; "Radio Exterior de España, broadcasting a test xmsn for Japan & Philippines in 41 and 25mbs resp. Please report to P O Box 156 202, Madrid". Believed via R Beijing as result of agmt. RNE Radio-1, Madrid, reported 5/1: From 7/1, REE will begin bcs in SP to Jpn & Phil via satellite, to spread our lang in that worldpart. Initially one hour, carried by Peking and Xian antennas (WBI 8/1) RNE Radio-1, Madrid, reported 7/1: Starts today; lots of Spanish lang students in Japan, and interest in Spanish remains alive in some Phil archipelago parts. RNMN reported 7/1: As from 1/1, R Beijing and SFR have started pgm swap. 120 kW xmtr in Xian w/ SP to Japan 10-11 on 7165, then to Phil 11+ on 11870. R Beijing via Noblejas to NAM, hrd faintly 05-06 on 96 30 only. So SFR EG to WNAM moved to 6125 also at 05. SFR DX ed Ambrosio Wang An-Po says same satl used for both links. From 1/7, R Beijing will use second Spanish xmtr and antenna when construction completed (WBI 15/1) Nct all the facts straight here; on 9690, not 9630; and I think 9630 already out of use at that hour for winter. Unfortunately, generally below winter night MUF to CNAM and of little use here. 7165 may be Xi'an, but I think 11870 is elsewhere, like Beijing area. So much for earlier reports that the Beijing-via-Spain part would not start for another semiyear (gh)

Spain? New EG xmsn for NAM from R Beijing noted on 9690 at *0500-0555* w/ strong sigs. Xmsn ancd (no //s) but no site given. First hrd 1/1. 2/1, DW Antigua IS for GM on 9690 started at 0555 before Beijing finished. Then at 0557, short burst of REE, Madrid IS on 9690. 4/1, both 9630 and 9690 checked for simultaneous carriers. REE 9630 to 0455:27* & Beijing 9690 carrier *0457:04 w/exact same strength as REE 9630 had; same day DW carrier seemed to come on at 0555:05 w/out mod, and Beijing seemed to go off at 0555:25; no het while both on. Is all this coincidence or does it mean a Beijing relay from Madrid? Does 9630 xmtr switch to 9690 after 0455? An agmt betw Madrid & Beijing was supposedly worked out, right? (Paul Buer, Miami FL)

Received two QSL cards from R Beijing for xmsns on 11715--Bamako and 6165--Lenk. I asked them to indicate xmtr location, but only rcvd note: "Sorry, we cannot meet your request for the info on xmtr site and power. We do not do that in general." (Christos Rigas, Chicago IL) R Beijing relay fgs from Mali have varied more since mid-Dec; hrd on 9744.3 from 2030 EG, 2130 AR; on 9769.5v at 03 in EG, 04 CH, 21/12 (Ernie Behr, Kenora Ont)

BBCMS issued non-Russian R Beijing ES sked, including the following specified as Mali: 00 EG Am, 01 Cantonese Am, 02 Std Ch Am, 03 EG Am, 04 Std CH Am, all on 9770 11715. [no mention of same fgs at 11 in CH, 12 in EG NAM as ancd & hrd by Ed LaCrosse, DXLD]. 16 EG Af 15130 11715. 17-1730 Swahili & 1730-18 Hausa on 15130 11790. 18 Bulgarian, 1830 Polish, 19 Czech, 1930 FR, 2030 EG, 2130 AR 2230 Std CH all on 11790 9745. 23-24 SP Am on 11790 9665 [note 9665 an hour later in EG to ENAM is direct from China] (WBI 1/1)

Xinjiang PBS, Urumqi, 2560 kHz, vy strong 25/9 1630-1635, songs, talk, must be more than 15 kW as in TBS, 44444 (Bjorn Fransson, Sweden, Nov DSWCI) 2560 also hrd at 1610 //5800 5/10, 22432 (Michael Schnitzer, FRG, ibid.) And at 2245-0015, Uighur pgm //4735, 5800, 11/8, 27/9 33433 (Harald Kuhl, FRG; Frank A Baldwin, UK; Carlos Vives March, Spain, ibid)

R Beijing in EG [besides Mali as above]: 00 Am 9665. 03 Am 15455 11980 9645 8425. 04 11980 9645 8425. 0830 Au 15440 11755 9700 8260 6825. 0930 on same. 11 Am 9665. 12 Am 9665 9635 7335 4200. 12 As 11755 11660 11600 9530 & 1341. 13 As/Am 11755 11600 9530 7335 1341. 14 As 15165 11600 4200. 15 As on 15165 11600 4200. 16 Af 9570 8260 7295 5250 4130. 17 Af same. 19 Eu 9470 8260 6860 5250 4130. 1930 ME/Af 9440 7480 6955 6470. 2030 ME/Af same. 21 Eu same as 19. 2230-23 3985=Switzerland (WBI 1/1)

C O L O M B I A R Macarena, 5972.1, from 0400 Col mx, IDs & TCs; G 23/12, down from 5975, but now causing het to BBC. R Sutatenza, 6075, back after many years, from 0200 Col mx & some ads, 0456 full ID & NA to 0500*; //5095 & both G 14/12; ancg HJGC 5075, HJGC 5095, HJID 6075, all in Bogotá, but in 1970s, 6075 was listedas Magangué xmtr (Ernie Behr, Kenora Ont, 25/12)

C O S T A R I C A R Impacto on new 5030 since mid-Dec, //6150; from 0300 SP nx, mx & NA to 0600*, 17/12; both vy strong. R Lira Intl, AWR on new 9725, from 1300 EG rel pgms, SP/EG IDs to 1600 when covered by jammer; G 25/12 requesting reprts to Aptdo 1177, Alajuela; also w/ID & NA to 2202* (Ernie Behr)

R Reloj spur nightly on 6582; another decoy amidst the Peruvians (Richard Stoller, Durham NC, 13/1)

R Columbia, 4850, plans to return shortly to SW w/1 kW xmtr at beautiful premises near Zapote, outside of San José. This replaces 10 kW xmtr at Punta-

renas which has been off air for some years now, per CE Luis Rodríguez. CORTEL, CR's fq authority informs me R for Peace has not applied for SW fqs w/ them, which they ought to have done, but appl may well have been filed w/IFRB Geneva. Nor has CORTEL rcvd any fq appls for planned REE relay stn. R Sonora, 700 kHz has enquired about possibility of getting a SW outlet. CORTEL has answered that there are no SW fqs available, exc perhaps in 19mb (Henrik Klemetz, Nov DSWCI)

As of 22/1, Radio For Peace Intl still waiting on xtal arrival for afternoon tests M-F 21-24 on 15495. WRLD OF RADIO continues scheduled UTC Wed 0300, UTC Sat 0100+ on 7375, running a week to three later than WRNO. If you want to be sure not to miss a W.O.R. edition, keep track of the pgm number and at outset of each bc (gh) We've started afn tests on 15493.5 (J Latham, RFPI, 26/1)

I've been noticing R Impacto on new 5030 since 20/12 very strong //6160 (Christos Rigas, Chicago IL)

CUBA Mayak relay on 6890, 1/1 0620+ //4765, loud. Next day P-F at 0200; not hrd since. Didn't check to see if 41m spur, but 1/1 at least was so loud it must have been main xmtr output. RHC, 12280, 16/12 0325 EG P-F, 2x 6140, which doesn't need sunspots (Richard Stoller, Durham NC) I also notice 19540 = 2 x 9770 afns

CYPRUS [Cf Jan LN-13] I wonder if the Now Music USA pgm hrd on R Bayrak might not have been from VOA's Transcription Service? (Wm Westenhaver, Montreal PQ)

CHILE I was told by a spokesman of ARCHI, the Chilean Natl Assn of Bcers, that the Harris Corp, USA, has rcvd an order from Chile for 6 SW xmtrs. Didn't elaborate, but believed that such an order could only have come from R Nacional (Henrik Klemetz, Nov DSWCI SWN) So the long-inactive ones they have are no good? (gh)

ECUADOR R Tarqui, la emisora de las multitudes [sic], has verified Cerd Klawitter w/form-ltr & printed pgm sked. V/s Hernán Herdoiza Leiva, Gerente says: Our stn is in Quito, capital of rep, in calles García, Moreno y Olmeda--names in memory of our great natl heroes, at G.C. 78-24-04 long, 00-11-58 lat [N/S not specified but presumably south]. Stn is 2.8 km ASL, ant 2.822. Also tells about historic sights [sic] of Quito and that R Tarqui celebrated 32 yrs on 27/2. Addr per ltrhead: García Moreno 1315 y Olmedo, Casilla 2558, Quito (Nov DSWCI SWN)

FINLAND [Cf Nov LN-21] R Finland sked valid until 5/3 matches except to EEU 9565 not 9605 for EG daily 0530-06. All SW fqs are 500 kW exc NEU 6120 250 (via Richard Lemke, St Albert Alta) FRANCE LMI

Yleisradio reported 19/12: Workinggroup in Ministry of Trade & Industry has recommended doubling the amount of funds used in promoting Finland abroad. Currently 100 megamark or some 25 mega\$ are spent yearly on increasing faxual knowledge about Finland. Also proposes adding Japanese, Spanish to intl bcs of FBC. Extl bcng financed thru normal YLE revenues, i.e. mainly from TV licence fees. New ES xmtr site at Pori is 2/3 state-funded. Recently resumed FR & GM (WBI 1/1)

GABON Africa No. 1, Libreville, reported 9/1: ANO has obtained a fifth xmtr. Agmt on its installation was signed today in Libreville, between [sic] the pan-Af stn, Thomson-CSF [French xmtr manufacturer], Central Fund for Economic Co-operation, and the [name indistinct] company. ANO BOD Chmn Louis Barthelemy Mapangou: Following reqs to incr capacity of this centre, it's necessary to provide add 500 kW SW xmtr for economic reasons; also technically necessary, because of the full utilisation of present installation and difficulty in maintaining it, the evolution in radio bcng stds resulting in the obsolescence of the present eqp and the notable disparities betw Cameroon, Benin, Burkina Faso, and Ivory Coast where ANO's pgms are hrd w/good reception and other countries, such as Senegal, Congo and Zaire where reception not as good... (WBI 15/1)

GERMANY EAST [Cf Jan LN-15] You'd like us to explain the "DT64" pgm name abbr: a paperback that came out 10 yrs ago and which I bought on a 3/86 visit to W Berlin says it derives from "Deutschlandtreffen der Jugend Pfingsten 1964" (Meeting of the Youth of Germany at Whitsuntide 1964) Thanks; the book is Hörfunk und Fernsehen in der DDR, by Heide Riedel, Literarische Verlag Braun, Köln, 1977, ISBN 3-88097-078-5 (gh) Oops, this from Joachim Kornek, Dortmund

Re your comment that RBI should organize so that pgms in same lang don't overlap so much: in EG, at least, pgms are tailored for targets; SEAs/Af/Eu/NAM all differ to some extent (William Westenhaver, PQ) Nevertheless, this reflects internal organization by target rather than lang; pgms are not sent tunnel-wise so audible only in target, as you'd be first to admit; speakers of a given lang such as EG have more in common than people in same country speaking diff langs. (gh)

G E R M A N Y W E S T VOA Munich, 3980, from 0600 EG, mx & IS to 0701*, strong 13/12; is this still 8 kW via Ismaning? (Ernie Behr, Kenora Ont) D87 fq skd says 8 kW Munich to Eu, 04-07 & 17-24. Unless some reason for deliberate QRP, this would seem to be prime candidate for upgrade w/new 500 kW xmtr at Wertachtal DW site, but not in sked: (gh) for period til 26/3: 6025 0530-08 SEEu, 6060 05-0530 SEEu, 22-24 USSR, 7105 02-05 USSR, 7270 16-18 USSR, 9530 18-19 USSR, 9575 19-21 USSR, 11840 0730-08 NAF (Noel Green, UKOGBANI, Nov DSWCI SWN) Note overlaps 6025/6060 at 05-0530, 6025/11840 0730-08--either really two xmtrs available or this sked reflects maximum/alternate usage (gh)

DPA nx agcy reported 30/12 from Cologne: DLF & DW are expanding xmtr capacity. DLF Dir Richard Becker ancd in New Year's addr that his org would make three new FM xmtrs opl. Currently DLF on two LW, six MW, 14 FM. DW Dir Heinz Fellhauer reported that addl xmtrs in Af, As and Am were planned. Neither provided more details or dates... (WBI 8/1)

ZDF TV, Mainz carried statement by DW Intendant Dr Heinz Fellhauer 6/1 wondering why Soviets stopped jamming VOA and BBC, but not DW in Russian--BBC is no more or less interventionist for the Russian govt than we are. We are pleased that R Moscow's GM pgms can be hrd here absolutely freely (WBI 15/1)

DW in EG: 01-0150 Am 11795 9565 9545 6145 6085 6040. 02-0250 As/Au 9690 9615 7285 6035 5995 1548. 03-0350 Am 9700 9545 6045 6010. 0430-0515 Af 9765 9565 7225 7150 6065. 05-0550 Am 9635 6130 6120 5960. 0615-07 Af 15185 11765 9700 9610. 09-0950 As/Au 21680 21650 17780 15510 15185 11945 6160. 10-1030 Af 21600 17765 9735 7225. 1130-12 Af 21600 17800 17765 15410. 15-1550 Af 17825 15135 9735 7225. 1610-1650 As/Au 15510 15105 11785 9745 9585 7200 6170 1548. 18-1850 Af 13790 11785 9745 7225. 21-2150 As/Au 9765 9605 7130 6185 (WBI 15/1)

DW ancd in GM DX pgm 8/1 that 6075 also to ENAm in GM 02-0547, no site given, since 1/1 (Joachim Kornek, Dortmund FRG) That was the 2nd Friday; within the pgm Noten und Notizen aus Deutschland, at 0835, 1235, 1635, 2035, UTC Sat 0035, 0435; but there is a sports report starting at 2035 which may or may not bump it

G R E E C E VOG sked as monitored in Dec: 00-0150 & 02-0350 9420 9395 7430 NAM. 04-0450 9425 9395 7430 Arabia & IndOc, 05-0615 ME on same. 12-1250 15630 11645 9905 NAM. 13-1350 15630 11645 Caf. 14-1450 11645 Tashkent. 14-1450 9905 9425 Arabia/IndOc. 15-1550 15630 11645 9905 NAM. 16-17 11645 9425 7430 Balkans. 1715-1750 same to USSR. 18-1850 15630 11645 SAF. 19-1950 11645 9425 7430 Eu. 20-2050 9425 9395 7430 Balkans. 21-2250 same to Au. 22-2250 9425 Au. 22-2350 11645 9395 SA. 23-2350 9425 Panama CZ. R Stn Macedonia obs: 10-1730 & 18-2215 on 11595 & 9935 (Christos Rigas, Chicago IL)

G U A M KTWB D87 eff 1/12/87: To India: Assamese 1430-1445 9895. EG 1430-1550 Mon-Wed & 1430-1605 Thu-Sat & 1430-16 Sun on 9870; Santali 1445-15 9895. Tamil 14-1430 9895. Japan: EG 0805-0930 11805. Japanese 11-12 9820, 12-1330 9785, 21-22 11840. Russia in RS: 0830-09 11735, 15-1530 9495. Au/NZ EG 0930-11 11805. China: Cantonese 1345-1430 9590, 2210-2240 9870. Mandarin 09-15 11665, 09-12 on 9585, 12-1330 9590, 12-15 9820, 1330-14 9870, 22-2330 11665, 23-2345 11850. Swatow 1330-1345 9590, 2240-2255 9870. Indonesia in IN: 1030-12 15240, 22-23 11850, 23-2330 15420. Pacific DX Magazine: Fri 0945 on 11805, Sat 1445 on 9870, Sun 0845 on 11805 (via Richard Lemke, St Albert Alta)

AWR press release 19/12: On 1/11, KSDA began bcng on 2nd 100 kW xmtr. Glad to finally get 6-11 MHz ant up and xmtr two in opn, says Allen Steele, CM. However, after 2 weeks, stn unable to keep both xmtrs on air because of mech and elec problems on first one and then the other. Acting CE Elvin Vence says not uncommon--"infant mortality"--it would be a miracle if every one of 40 kiloparts in xmtr worked perfectly. Working out bugs. Fully opl w/both again 15/12; 220 h per week, averaging 16hpd per xmtr, longer on weekends. Greg Scott, pgm dir, says reception reports quite steady; as of 19/12, 3000+ ltrs from 66 countries arnd world (WBI 15/1)

G U I A N A F R E N C H RFO Guyane, 5055, hrd much later than usual; UTC 31/12 to 0302*; 1/1, 2/1, 3/1 from 0130 FR Tlk & mx to 0445* abrupt s/off; good on LSB, TIFC 200 Hz higher (Ernie Behr, Kenora Ont)

GUINEA LMI

G U Y A N A Monitoring 16-18 Dec: Natl Svc of Guyana Bcing Corp (GBC) Channel 2 obs on 5950 from *0727 until f/out at apx 2100. Fq not hrd since 6/86. Pgms incl nx 09-0905, 10-1030, ancd as "featuring the personalities, issues and events that make the news in Guyana, the Caribbean and around the world; the news is compiled and edited in the newsroom of the G- B- C- and is a joint xmsn of Chs 1 & 2." A similar joint xmsn of nx is previewed for 2230, but so far not hrd (WBI 1/1) G- B- C- indicates it was not abrd in the quotation (gh) more, LMI

H A I T I R Metropole, Port-au-Prince, reported 15/12: Yesterday, R Haiti-Inter resumed xmsns on test basis. Stn on Upper Delmas Road off air since 29/11. Like other stns in capital, was machine-gunned several times and attacked w/grenades by armed individuals. R Antilles Intl's, also victim of them, stopped 28/11. It reportedly suffered heavy damage.

Monitoring 16-17 Dec: R Haiti-Inter obs on 1330 16/12 2230 & 17/12. Anmt said on usual fqs 1330 khz, 106.5 MHz FM.

R Metropole reported 24/12: In a letter to (¿)Ady Jeangardy), Depy Secy Genl of Assn of Haitian Journalists (AJH), Mr (¿)Jean-Robert Argan calls attn to how govt media's henchmen systematically bludgeon public w/news. He also notes the inability of certain PaP media to get out into remote areas to ensure that nx that is reported is accurate and objective. Mr (¿)Argan adds that, in view of the urgent need to keep nation informed of what is really going on and desire and duty of all honest journalists to inform the greatest number of citizens possible and of this sacred right to info, it is necessary to propose:

"The capital's major radio stns should get together during this entire crisis period and evote a full hour, determined in advance, to the bc of local nx. Dur- in this, all stns would relay the stn assigned to present the hour-long local nx pgm on any given day. Each stn participating in this hour of concerted action would be responsible for presenting this hour-long nx pgm in turn. During its turn to present the nx, ea stn'd be relayed by all sister stns. The order of rotation of duty could be determined by a simple draw. Prov stns should of course participae. Thus we'd have guarantee of an hour of nationwide, true, honest, accurate nx."

Mr (¿)Argan invites Depy Secy Genl of AJH to call on dirs of each stn concerned ASAP to set up w/them relay system for this pgm. This joint action, this bc'ing in common, will enable people to avoid being raped intellectually by means of false propaganda (WBI 1/1)

H O N D U R A S LV del Junco, 6075.1, from 0130 SP rel talk and ID, 0250 IAm mx, 0300 u/DW; clear UTC 3/1, HJID not hrd lately (Ernie Behr, Kenora Ont, 6/1)

H O N G K O N G BBC relay on 15280, from *0355 IS & EG WS past 0630, vy strong 12/1. BBC on 5965, from 2130 E by R, 2145 JP, 2200 E by R, 2215 CH to 2244*; G sig since 8/1, //7160, but sked WS from 2245 not hrd; is this via HK? (Ernie Behr, Kenora Ont, 15/1) Guess so; Feb London Calling has the two HK xmtrs on WS from 2245 using 15435 and 11945. Rest of HK/WS: -0030 on those two; 04-0815 15280, 04-09 11775, 0815-0945 7180, 09-0945 5995; 13-1445 (Sun 1430) on 7160 5995, 15-1615 on same. There is also a new weekly pgm Dateline E Asia, at 1145-12 on 7180 5995; and via Singapore at 1115-1130 on 6195 9740 11750 15360 evry Friday (gh) more, LMI

I R A N VIRI ancd 12/12 1830 in Turkish: Time of TK will be changed from 22/12: evenin xmsns a sesquihour forward, i.e. 17-18 utc. Morn half an hour later, 04-05. Monitoing 21-30 Dec: Since eve of 21/12, pgm switchin and timing of VIRI's extl bcs highly irregular: Morn 22/12, no sign of TK at 0330 or 04; instead, Persian DS. 23/12, 24/12 TK *04 but ended after 30 mins, xmtr switchin back to relay DS. 30/12 was at 04-05. Since 22/12, start of eve TK seems delayed until after end of 1630 relay of domestic nx in Persian. In addn to TK svc changes, new bc in SP: 21/12 2030 (time of main 'midnight' dom nx in Persian), 9022 started to carry SP; this halted abruptly at 2040 and fq switched to Persian nx already in progress. 22/12 2030, VIRI fqs 9022, 6220 and possibly 15084 started to carry SP again. The fqs then change abruptly to the 2030 dom nx in PS. 2110, fqs switched back to he bc in SP which was still continuing. It ended at 2130, w/anmt that was bc daily to Spain/WEU 2030-2130, and to Am 0130-0230. Anmt for 2030 bc only referred to one fq, 6220, but it appeared on 9022 too. No ref to SP bc normally sked for 0530-0630. Eve bcs on 9022 obs adhering roughly to this sked, tho w/considerable variation from day to day: 16-17 Persian relay DS. 17-18 TK. 18-1845 GM. 1845-1930 FR. 1930-2030 EG. 2030-2130 SP. 2130-2230 AR (WBI 1/1)

VIRI reported 21/12 Khomeyni (may his shadow long continue) is concerned that in television production, only males make up males, and females females; and songs are OK if lyrics carefully cleared. VIRI reported 25/12 that Hashemi Rafsanjani suggested that some portions of foreign films had good points and excerpts might be useful to Iran, i.a. for the instruction of actors (WBI 8/1; gh's summary of one-page report replete with honorifix) more critical info, LMI

I R A Q unID AR stn on 6010, from 1500 t1k & mx to 1600 covered by jammer 22/12; oftens trong over BBC; at 1559 clock chimes. [Later] R Baghdad is it, hrd daily since 25/12, from *1459 clock chimes, AR ID, nx & mx past 1600; vy strong 31/12 (Ernie Behr, Ont)

I R E L A N D Carlow Local Radio has been going for some time, family-run, by ex-Boyneside Radio and ERI and R Dublin DJ Eric Vaughn, and his father and brother. Now one of the brothers and his father have started another stn, Carlow Community R, but I'm not sure which brother has the father. Eric is on CLR, Eric's brother on CCR. Addr of CLR is 22 Governer Square, Castlehill, Carlow, Co Carlow; new stn is 44 Castlehill, Carlow. CLR on 1359 and 2718, CCR on 1044 and strong harmonic 2088 (Ken Baird, Sorn, Scotland, Nov DSWCI SW News)

I S R A E L VOI political correspondent reported 27/12: The cabinet has ratified agmt w/US govt on erection of VOA xmtrs in Arava region (WBI 8/1) Is this final, the last obstacle, or just another step in the process? (gh)

Israel R EG svc, corrected 20/12: NAM 00, 01, 02 on 9855 9435 7460, 05 on 9435 9385 7410 7355. UK & Eu: 05 11655 9460 9435 9385 7410 7355; 11 on 21625 17635 15640 15485 15095 9385. 18 on 11585 9925 9460 9385. 20 on 11655 9845 9435 9010 7460 7355. 2230 on same. SAF 20 on 9010. Au/NZ/SEAS 05 on 17615 7410, 11 on 15650 (via Richard Lemke, Alta)

BBCMS disagrees: 00, 01, 02 on 9845 9435 7462. 05 on 17615 11770 11655 9460 9435 9385 7410 7355. 11 on 21625 17685 17635 15650 15640 15485 11770 9385. 18 on 11585 9925 9460 9385. 20 on 11655 9845 9815 9435 9010 7462 7355. 2230 on same (WBI 8/1)

A recently-rcvd printed sked from VOI shows bc in Tat lang to E&W Eu 1445-1455 Wed & Sun on 21625 17710 17630 15585 15485 (WBI 15/1) Is that formerly known as Judeo-Tat, and is it the same as, or related to Tatar-Bashkir? (gh)

I T A L Y European Christian R, Postfach 500, A-2345 Brunn, Austria--extract of ltr from stn along w/QL: We are a small evangelic Christian radio stn, started test pgms in variety of langs. Currently Suns 08-1230 apx in EG, Albanian, Croatian (w/callsign in EG). On 7360, power around 500 W. Hope to incr to 1 kW in near future, and add daily aftn pgm 15-1530 from mid-Oct. But times and fqs subject to change w/out notice. Site of xmtr is Tarvis (Salvatore Placanica, Italy, Nov SNN)

JORDAN LMI

KOREA (DEMOCRATIC PEOPLE'S REPUBLIC) (via T Kondo, Asian Being Institute)

R. Pyongyang, the overseas service of Korean Central BS has changed the schedule since Dec. 21, 1987. EG: 0000-0050 AM 15160 15115, 0400-0450 S.E.Asia 15180 15160 15115, 0600-0650 S.E.Asia 15180 15160 13650 9530, 0700-0750 ME & Afr 15340 13750, 0800-0850 S.E.Asia 15180 15160 11830 9530, 1100-1150 AM 11735 9600 6576, 1300-1350 Am/Eu/S.E.Asia 11735 9600 9555 9345 9325, 1500-1550 ME & Afr/Eu 9977 9640 9325 7290, 1700-1750 ME & Afr/Eu 9977 9640 9325 7290, 2000-2050 ME & Afr/Eu 9977 9640 9345 6576, 2300-2350 AM 13650 11735. Std CH: 0500-0550 9555 9530 7200, 0700-0750 9555 9530 7230 7200, 1100-1150 & 1200-1250 on 9530 7230 7200, 2300-2400 11830 7200 JP: 0400-0550 11780 9650 9505 621, 0900-1050 & 1100-1250 & 1300-1450 on 7580 6560 6540 3250(u) 621, 2100-2250 11780 9650 9505 3250 (u) 621. Note (u); unofficial. 621kHz since Dec. 25.

(Tetsuya Kondo, Toru Yamashita)

KCBS Pyongyang DS: 1958-1800 on 11680 9665 6100 2850 819. Has 20, 25 or 30 min of nx on the hour almost every hour: 21, 22, 23, 01, 03, 04, 05, 07, 08, 09, 11, 12, 13, 15. Some other significant pgms: 2130-22 Press review & comtry. 00-0025 Press review. 02-0215 "Chuche" political talk. 0255-03 pgm pwv. 0420-05 Sun Korean People's Security Forces pgm (irr.). 1020-11 pgm for guardsmen. 1150-12 Commentaries. 1755-18 pgm pwv for next day.

Regional stns relay pgms from KCBS when not carrying local pgms, which are at apx 05-06: Chongjin, N Hamgyong Prov Svc 702 kHz. Haeju, S Hwanghae PS 1080. Hamhung, S Hamgyong PS 999. Hyesan, Yanggang PS 2300 & 765. Kaesong City Svc 810. Kanggye, Chagong PS 3960. Pyongsong, S Pyongan PS 3350. Pyongyang City Svc 720. Sariwon, N Hwanghae PS 927. Sinuiju, N Pyongyang PS 3920 & 864. Wonsan, Kangwong PS 3220 & 882 kHz (WBI 22/1) [above info complete w/MW]

L E B A N O N R of Free & Unified Lebanon (Arabic: Idha'at Lubnan al-Hurr al-Muwahhad) first obs 12/10/78[sic], tho been anmts that stn was to have begun 31/7/87 [sic]. Bcing from Ihdin, northern Leb, supports former Pres Sulayman Franjiyah and is pro-Christian, pro-Syrian and anti-Phalangist. Originally bc on 1308 kHz, but opd for several years on 585. Possibly also has used FM. Betw 13/9/87 and 18/12/87, apparently off air, but returned to 1310 19/12, 05-1925 in AR with most news on the half hour. (WBI 15/1) See also SYRIA! more, LMI

L I B Y A V of the Greater Arab Homeland reported 24/12: from this date will bc pgm for our fighting masses in Palestine, nx of popular heroics, steadfastness in face of Zionist acts of outrage & persecution...on 711 kHz for western Arab homeland; 828; 1125; 1251 for Arab Maghrib & western Jamahiriya; 1448;

1484. Listeners in the east of the Arab homeland can pick up on SW 33m 9006 kHz (as hrd). We also xmit on 7245 and 9090 (as hrd). Monitoring 24-28 Dec: a pgm called V of the Popular Revolution in Palestine obs at 0330-04, w/repeat at 1130-12, on the V of the Greater Arab Homeland fqs (WBI 1/1) monitoring 30/12 to 4/1: VOGAH SW xmters, which formerly opened at apx 1145 now obs *1110apx, in order to accommodate the new VOPRP pgm, at 1130-12. Fq anmts at apx 1115 have referred to 17645 15450 15415 11850 9890 9705 9600 9555 6185 6155 + MW, but it is believed that not all these are in use on any one day (WBI 8/1)

/more MALI, LMI

M A L I Rdif du Mali, 9630, 20/9 0700-0715 FR, march mx, 0715 ID (Jaroslav Bohac, Czechoslovakia, Nov DSWCI SWN) On new 9635, *0710 20/9 IS, from R1VM, march mx, ID, FR nx, press; new 50-100 Kw xmters? 55544 (Roland Schulze, FRG, ibid.) see CHINA!!

M E X I C O R Educación, 6185, from 0630 Mex pop mx, 0700 or 0705 Mex NA, more pop mx; stronger than ever since 12/12, perhaps new 5 kW xmters now in use; WRNO can't compete w/this powerhouse and should look for another fq. La Hora Exacta, 9554v, from 0000 w/IDs, TCs and ads; UTC 26/12 strong but distorted until WYFR *0050. Also hrd 3/1 1400-1830 f/out, 2130-0050 & at 0603* abrupt off. XEWW on 9515, hrd again UTC 3/1, from 0530 Mex songs & NA to 0601*, fair; also at 2200-2255 when BBC s/on. XEQQ on 9679.4 hrd 3/1 w/talk & mx at 2200-2253 when WYFR s/on (Ernie Behr, Kenora Ont) There is obviously no coordination between the US & Mexico, a shameful situation for two neighbouring friendly countries (gh)

R Educación, 6185, is active and plans to raise power to 5 kW. Reception reports are being rcvd from the Ams and Au. CE Gutavo Carreño stacks the reports to answer them periodically. MW 1060 has been verified to a Swedish DXer (Henrik Klemetz [visiting Mexico], Nov DSWCI SW News)

MONGOLIA (via Tetsuya Kondo, Asian Broadcasting Institute, Jan)

R. Ulan Bator, external service of Mongol R. effective from Nov. 2, 1987 per program schedule: EG(not Su): 0905-0940 Gcn 12015 9615, 1200-1235 FE 12015 9615, 1445-1520 S. Asia 12015 9615, 1940-2015 Eu 11870 9645. FR(Mo, We, Fr): 1640-1715 N. Af 11870 9560, 1720-1755 N. Af 11870 9560, 1800-1835 N. & C. Af 11870 9560, 1840-1915 N. & C. Af 11870 9560, 2015-2050 Eu 11870, 9645. Std CH: 1025-1055 As 12015 9615 1130-1200 As 12015 9615, 1330-1400 As 12015 9615, 2100-2130 As 12015 9615. Mongolian: 0950-1025 As 12015 9615, 1055-1130 As 12015 9615, 1255-1330 As 12015 9615, 1400-1435 As 12015 9615.

MW frqs of this stn are monitored as follows: EG(not Su): 1200-1235 990, 1445-1520 990, Std CH: 1025-1055 990, 1130-1200 990, 1330-1400 990, 2100-2130 1350, 990. Mongolian: 0950-1025 990, 1055-1130 990, 1255-1330 990, 1400-1435 990, 2025-2100 990.

Mongol R.(domestic service) is also printed in the program schedule as 2200-1600 overall including Russian program(Tu, Fr) at 1130-1200. Frqs are only indicated in meter bands of 3 or 4 digit. Converted frqs into kHz or MHz: 11855, 7260, 4995, 4895, 4865, 4850, 4830, 4815, 4750, 4080, 3960, 882, 227, 209, 164kHz and 72.15MHz. 4750kHz has been not heard recently. This frq had also carried out Kazakh program 4815kHz is not confirmed. (Akira Yamanaka, Tatsuo Gima, Hiroshi Fujita)

BBCMS also issued a RUB ES sked, more or less consistent w/the above, but lacking 990 kHz for EG and 1350 for 2100 Chinese. They also say the 1800 FR is unconfirmed and omit the 1720 and 1840 FR; and miss several fqs for the 1130 Russian that ABI has (gh, from WBI 1/1)

MOZAMBIQUE LMI

N E T H E R L A N D S More defective xmters: R Ned Bonaire, 9590 in EG 0230-0325* also had strong spur on 9638, a loud buzz w/weak audio, UTC 3/1 (Behr)

P A K I S T A N R Pak Karachi/Islamabad, ES: 0045-0230 Urdu 15115 11570. 01-0245 Bengali 11995 9460. 0230-0245 slow EG 17660 15580 15115 11570 7010 to As. 03-0345 SH 15125 11965. 0330-0415 Persian 12005 9860. 04-05 Gujarati to EAF (but incl Urdu nx 04-0403) 17725 15125. 0430-0645 Urdu 17660 15605 12015. 0515-0615 AR ME 18050 15565. 07-0745 Turki for Afgh 6175 4950. 0715-0815 BM 21475 17890 17640. 0715-1105 Urdu to Eu 17660 15605 incl EG nx from DS at 08-0803, 1005-1010. 09-0945 TM 15335 11570. 1015-11 Indo 17890 17640 15580. 1105-1120 slow EG Eu 17660 15606. 1115-1230 Hindi 11640 9495. 12-13 AR ME 17640 15605. 1230-1445 Bengali 11965 9460 incl Sylheti nx 1427-1442. 13-1430 Hazaragi for Afgh 756. 1315-1545 Urdu ME 11615 9795 9475 7365. 16-1630 EG ME/AF incl slow nx 1615-1630 11625 11615 9475 7365 6210. 16-18 Dari 585. 1645-1745 Turkish to Eu [sic] 9465 7365 6295. 1645-1718 Urdu EU 7235 6210. 17-1745 Persian 7385 6236. 1718-18 EG Eu 7235 6210. 18-19 Urdu Eu on 7235 6210. 18-19 Urdu ME Islamabad pgm 6295 585. 1915-2015 FR Eu/ME/AF 7365 6210 (WBI 22/1)

P A N A M A Monitoring 18/12: R América, Panamá City, not hrd since 21/11, obs

back at 1910 18/12 on usual 1380 kHz, only w/mx & IDs (WBI 1/1) Circuito RPC TV reported 29/12: legislative assembly today approved granting amnesty to opposition media closed since June & July. The law benefiting 7 different media was approved by 38 votes in favour, none against and 19 abstentions. Property seized during proceeding will be returned to owners, as long as not used for illegal activities. Employees will be allowed to enter installations of 3 newspapers, two weeklies and two radio stns. This had been impossible due to police in area. R Mundial and R Continente have been closed since June for political reasons, particularly for anti-govt bcs in wake of accusations made by Col Rober to Diaz Herrera against General Noriega... Monitoring 4/1; R Mundial on 810 and R Continente on 700 were apparently still off air at 1800 4/1 (WBI 15/1)

P A P U A N E W G U I N E A R Australia reported 4/1: PNG's Comms Minister has warned for companies against buying a PNG TV stn now for sale. Minister Mr Gabriel Ramoi, said for owner could not expect to control stn for long. Perth businessman Mr Kevin Parry, who established PNG's first TV stn NTN, has put the stn on the market. NTN began 12 months ago, but since then another stn Em-TV, half-owned by Au's Bond Corp, has also started being. Mr Ramoi said that under the Mass Media Bill he was proposing to intro in April parliament session, majority for ownership of media in PNG would end. Said govt considering proposals to limit for ownership of any media outlet to 17%. Said govt would expect majority ownership by PNGuineans of both TV stns (WBI 8/1)

P A R A G U A Y R Nacional, 9735, from 0105 "El Correo del Oyente", w/letters from Eu & NAM, Par mx, 0130 nx, UTC Tue 19/1; often 555 sig here & one of my favorite 3 mx stns; the others are RN da Amazonia & Tahiti (Ernie Behr, Kenora Ont) RNP on 19470, F-G on 2 x 9735 w/similar reception, pol speech 8/1 2140 (Richard Stoller, Durham NC) RNP is active on 6025 with 0.7 kW and 9735 with 35. CE is concerned about QRM, notably DW on 31m and would like to find a new fq. R Caritas (new spelling; previous Charitas is Latin [vice versa, ¿no? -gh]), active on MW 1200 kHz, has not given up plans of returning to SW. SW xmttr is however out of order for time being, and top priority is given to enhance stn's rx svc, which is already vy good by any std (Henrik Klemetz [visiting Paraguay], Nov SWN)

P E R U The story behind the confusion on the spelling of the station on 4859.7 [which turned out to be a MW harmonic]--Radio Naylamp or R Naimlap? When first hearing the stn together w/Pedro Arrunátegui in Lima, we got the ID as R Nailán, la radio diferente para el mejor oyente. We were puzzled, and rightly so, because there is no such thing as "Nailán" in Spanish. We were pretty sure of the location tho, for the pgm Serenata Norteña consisting of criolla mx and greetings, pointed directly towards the Lambayeque area, and at closedown, Paco also recognized Lambayeque's regional anthem. Unfortunately, precious Almanaque del Peru was not at hand, but at home. Paco recalled having seen in Lambayeque, at the museum, a statue of a precolumbian god, whose name was similar. One of Paco's children produced a primer of history, referring to "el legendario Naimlap, el fundador" of the Chimu kingdom. We thought this was good enough, tho still somewhat bewildered by dyslexic pronunciation of name. Then a few weeks later, the Pv of fl gazette published resolution whereby permission was granted to "R Naylamp" to operate on MW 1580 (OBXIM, studios at Av. Huamachuco 1080, Lambayeque). Back in Sweden, I opened my Almanaque del Peru (it's worth a fortune--"vale un Peru" as it says on the cover) where there is a photo on p 196 showing this god, in the Bruening Museum, name rendered as NAYLAMP. So it turns out the spelling in the Pv primer is non-standard, differing from the one originally accepted for this ancient deity. Still unsolved is whether 4859.7 is some sort of harmonic from asgd MW fq, or independent xmttr. Time will tell (Henrik Klemetz, November DSWCI SWN)

R Universo, 6815.4, from 0300 Lam trop mx to 0430* apx, UTC Mon 14/12; another OA stn on 5699.8 at 0300-0336* w/NA, 14/12; both weak & no clear ID hrd. The following all hd UTC 11/1 after 0200, weak to fair: 4299.3 R Moderna, Celendín, past 0400 w/Lam songs. 4459.8 R Norandina, ibid, huaynos & NA to 0428*. 4495.0 R Contumazá (tent), Lam songs to 0400*a. 5661.1 LV de Cutervo, Lam mx & talk to 0350*a. 5699.8 R San Ignacio (tent), Pv & Ec mx past 0400. 5799.8 R Nuevo Cajamarca, huaynos & NA to 0241* (Ernie Behr, Kenora Ont) more, IMI

P H I L I P P I N E S FEBC Manila, 6120, from 1500 RS rel, 1845 GM pgm to 1900*, strong 11/1; assume GM is for deportees in Siberia. R Veritas, 6160, from 1500 CH rel pgm to 1556*, strong over CKZU 9/1. R Veritas, 11820, from *2250 instl mx, 2258 EG ID & full sked, 2300 CH pgm, 2330 EG ID & Indo to 2356*; G 11/1 & other days, but 10/1 was on 11822 (Ernie Behr, Kenora Ont)

Deutsche Welle now using R Veritas Asia for Chinese; not direct relay but recorded by RVA and then re-bc. Chinese direct from Germany is at 12-1320, but via Phil 1230-1350. 9690 from 250 kW xmtr at Palauig. Sig good as noted by Robert Chester, S Au, but much jamming on fq. DW wants reports. Tnx to Media Network for most of info (RA JP DX Time 27/12) An unanswered question is how, if tape sent over by courier as reported, they manage to get an 80 min pgm on the air with only 30 min delay! And one'd think DW would hit up VOA-Tinang for such a relay since DW is relaying VOA from Wertachtal now; but then I recall there was a German connexion in RVA getting new xmtrs (gh)

P O L A N D R Polonia, ES in EG: 02-03 Am 15120 11815 9525 7270 7145 6135 and 6095. 03-0355 same. 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. 1730-18 Eu 9540 6135. 1830-1855 Af 11840 9525 7125. 1830-1855 Eu 7285 6135 5995 1503. 20-2030 Af 9525 7145 7125. 2030-2055 Eu 7285 6095. 2230-23 Eu 7270 7125 6135 5995 1503. (WBI 8/1)

RNNM reported 7/1: Bill Mahoney, Depy Dir of Pubaffs. for EFE explains that jamming seems to have stopped, around 1030 1/1; still gone 24 hours later and finally ancd by us 7/1. Was mostly from USSR by skywave. USSR and its republics [sic] are being jammed in the cities heavily. Bulgaria and Czechoslovakia are too. PAP nx agcy reported 5/1 that Jerzy Urban said jamming was stopped for goodwill, and fall in credibility of western stns, and in their listenership in Poland (WBI 15/1)

P O R T U G A L Rdif Portuguesa, RDP International, Lisbon; on public holidays and spl occasions, RDP often carries coninuous mx or extended skeded pgms on certain ES channels outside normal pgm times. 0230-03 Tue-Sat EG Am 11840 9705 9680 9635 9555 6060. 0230-03 Sun/Mon Am same plus 9600 in PT. 06-08 M-F PT Eu 9740 6130, adding 9630 at 0645. 08-09 Sat/Sun PT Eu 9615, 09-0930 on 11800 9740 9615 7170, 0930-11 on 11800 9740 7170. 09-10 PT Timor 15225. 10-12 M-F PT Af 21700 15265 15250, droppin 15250 after 11. 11-13 M-F PT Eu 11800. 11-18 Sat/Sun PT Eu/Af Am: starts on 15285 15265 15250 15140 11800 9740 7170. 1400 on same plus 11800, and 15140 continues only on Sat; 1500 drop 15140 both days and add 9555 on Sun. 15-16 M-Sa PT ME/As 15245. 16-1630 M-F EG ME/As 15245. 17-19 M-F PT Af 15250 11870 11840. 17-20 M-F PT Eu 9740 7155, adding 11740 at 18. 18-20 Sat/Sun PT Eu/Af: Saturday starts on 15250 11870 9740 7155, 1815 add 11840 and 11740. Sunday starts on 15285 15265 15250 9740 7160, 1830 change to 15250 11870 11740 9740, 1845 add 11840 7155. 19-1930 M-F EG Af 15250 11870. 1930-20 M-F FR Af same. 20-2030 M-F GM Eu 9740 7155. 2030-21 M-F EG Eu same. 21-2130M-F IT Eu 7155. 22-0230 PT Am: starts on 11840 9705 9635 9600 6095; 0015 add 9555, 0115 change 6095 to 6060 (WBI 15/1)

S A U D I A R A B I A SPA nxagcy, Riyad reported 25/12: V of the GCC [Gulf Co-operation Council] begins its bcs from 25/12 until 29/12 on BSKSA 2nd pgm. To cover 8th summit of GCC states; at 14-16. Monitoring 25/12; pgm obs at 1400 25/12 on 9570 1089 783 684 (WBI 8/1) So 9570 not Qatar in this case... (gh)

S E Y C H E L L E S FEBA in EG: 06-07 Fri ME 17855 15175. 0715-0830 Sun As 17780 15115. 15-1515 As 15325. 1515-16 As 15325 11865. 16-1610 nx As on same. 1610-1625 M-Sat As 15325. 1735-1825 Sat/Sun Af 11760 (WBI 22/1)

S O U T H A F R I C A R Suid Afrika, 3955, from 0315 instl mx, Afk ads, 0330 Afk nx //3320, both vy strong UJC 29/12. R Oranje on 3215 from *0300 in Afk, t1k & mx past 0330, strong 29/12. Capital R or S Sound, 3927.4, from 0315 Xmas & pop mx, EG anmt, fair 29/12, no ID hrd (Ernie Behr, Kenora Ont)

The RSA sked in Jan LN has two diff svcs on 15390 at same time: 18-1956 FR and 19-1956 PT. In fact, FR is on 15390, PT on 15230 (Wm Westenhaber, Montreal PQ)

Monitorin 3-4 Jan: R RSA obs in SP at 20-2055 on 11745, ancd for CAM/WAF, apparently replacing FR to EU, no longer hrd then. Neither in revised sked dated 1/12, but FR 18-1955 now shown for EU plus Af (WBI 8/1) Monitoring 12-13 Jan: Eu in DT 09-0955, GM 10-1055 obs on 21590, fq not in sked; output in both langs thus doubled (WBI 15/1)

R RSA complete sked: 02-03 EG Am 11730 9615 9580. 03-0430 EG ME/Af 11900 9580 7295 4990. 0430-0530 Chichewa 4990. 0430-0630 FR Af 15125 11900 9580. 0630-0730 EG ME/Af/Eu 17825 17780 15125 7295. 0830-09 Sun Afrikaans Eu/Af 21590 17785 15125. 09-10 DT Eu 21590. 09-10 SH Af 15390. 09-10 Sun Tsonga to S Moz 7295. 10-11 GM Eu 21590. 1030-1130 PT Af 11900 9580. 11-12 EG Eu/ME/Af 21590 15390 9750. 12-13 FR Af 21590 17810 15125. 13-16 EG Eu/ME/Af same plus 9750. 1530-18 Lozi 9590. 16-17 SH 15125 11900. 17-18 Chichewa 7295 6160. 17-18 GM Eu 15185 &

11900. 18-19 DT 17835 15185 18-19 PT Af 7295 6160. 18-20 FR Eu/Af 15390 11775. 19-20 PT Eu 15230 11900. 20-21 SP Af/Am 11745. 21-22 EG Eu/Af 11900 9580 7295. 22-23 PT Am 9580 6065. 23-01 SP Am 9580 6160 6065.

DX Corner in EG: Mon 0245-0253, Sun 0322-0330, Sun 0650-0700, Sun 2145-2153 (WBI 15/1) ¿No longer at 1303 on Thu & another day? Look for further changes in M88, including retiming and extension of EG bcs (gh)

S P A I N REE mixing products at 8975 and weaker 10130 daily arnd 0300+, from 9745/9360. 8975 is especially misleading for those looking for Peruvians, a couple of which used to be here (Richard Stoller, Durham NC)

R Popular, QTH?, on 2539.5 11/8 2257-2310, SP report, 2 x 1269, 23332 (Harald Kuhl, FRG, Nov DSWCI SW News) & see CHINA!

S R I L A N K A RSP&P, Moscow commented on VOA relay base 17/1: protest against info imperialism is coming from SL public. USIA building [more] powerful VOA branch. Lankians' suspicion wellfounded. Recall how VOA was used 15/4/86-- while bombers on way to Tripoli, VOA in 15 pgms in succession called on Libs to overthrow Qadhafi; and beamed pgms to generate more panic, ferment disturbances and chaos. And VOA is beaming outright hostile & subversive pgms to Syria, Kampuchea, Afghanistan--stepping them up instead of stopping them now that Kamp & Afgh working toward natl reconciliation. Many more examples in As. Also is real possibility Pentagon will use VOA-SL for radio comms w/USN ships in Indian Ocean, and even for targeting mly installations in space in accordance w/Star Wars. Thus info implsm is also a threat to the right to live (WBI 22/1) Sure

S U D A N National Unity R (tent), 9549.7, noted here 22/12, from 1510 EAF lang 1534 AR tik & march to 1543*; 14/12 was on 9550 until 1511*; time varies daily; strong signal. 19/1, tent, on new 9435, from 1400 AR tlks & Sudan-type mx to 1500*v; until 1504* 20/1; fades in weak but by 1430 vy strong, ex-9560; never a clear ID, but is definitely the stn reptd by WBI in Dec LN-35 (Ernie Behr, Ont) 9435 also booming in here arnd 1430 26/1, fiery speech (gh)

NUR and 28/12 from Omdurman: changing from 31 mb [9550] to 25 & 41mb, the latter to W Sudan. Mcnitoring 28/12: NUR obs on 11710 at 1400, 41mb not yet traced; at 13-15; ex-Sudan People's Armed Forces Pgmme (WBI 8/1)

Suna nx agcy reported 22/12: Sudan & Japan today signed second phase of regional radio stns project, financed by Japanese govt. First phase included installation of regional radios in various regions (WBI 1/1)

S W I T Z E R L A N D SRI left 21695 (Schwarzenburg, 500 kW) to ME 1515-17 for 13685, unk if same site/pwr; EG 1530-16. Better & QRM free than //15430 (co-chan AFRTS or underneath) or 9885 (QRMoscow to As). Moved arnd mid-Dec (Joachim Kornek, Dortmund, FRG) SRI on new 9680 ex-9885 0745-1030 to As/Au/NZ; EG at 0830 & 10, //9560 17830 21695 unchanged (Robert Chester, SA, RA JP DX Time 27/12) See also CHINA

S Y R I A Lebanon. Mcnitoring 24 Sept to 1 Jan: Since 24/9, stn obs on 702 kHz being Wand Arab mx, no anmts. At begin & end of each xmsn, Egyptian song "Revolutionaries, Revolutionaries to the End" had been played. But since 24/12, also carrying Palestinian songs and ones praising Leb Amal mvmt leader Nabih Birri and condemning imperialism. First ID hrd in AR at 0727 1/1; later also in HB, EG, RS. The EG was: "Al-Quds [the Arabic name for Jerusalem] - the Palestinian Arab BCing Stn for the liberation of land and man. Good day listeners. We'd like to draw your attn that we xmit on these fqs: 105.4 MHz and 96.7 MHz FM, and 702 kHz MW. This is a test xmsn..." Continued w/mx and patriotic sons, ID anmts until 1200 bc of similar anmt in AR, and off. Obs on 702 at 07-12 & 14-18, but so far untraced on the FMs.

V of Israel reported 1/1: A powerful radio stn belonging to the Palestinian terrorists began being this eve, picked up w/good quality in Israel and in the territories. Our monitor Mikhael Gurdus believes stn is being from one of the refugee camps in the Sidon area in Southern Lebanon. Name of stn is "Jerusalem". First time terrorists have had at their disposal such a powerful radio stn, bc-ing on 3 wavelengths simultaneously (WBI 8/1)

Ha'aretz interviewed Edmond Sehayek, dir of V of Israel AR svc, 4/1: Right now, no pgms from new stn; ancs intention to bc to terrs, plays martial mx, characteristic of revly stns continuously reporting dramatic events, such as battles & skirmishes, all imagination figments. PLO stns not known for high credibility. Even if people in terrs drawn to xmsns, they are not stupid. Stns bc imaginary events and if a Khan Yunus resident hears an item such as recently trumped-up report of a PLO force wiping out an entire IDR unit in vicinity of

Khan Yunus, it doesn't do much for stn's credibility. Rumours often cause escalation in rioting, cumulative effect. Most of popl of terrs supports PLO and no doubt stn'll be listened to, close to their hearts, speakinglang they treasure. This will lay addl responsibility and new task on us; we'll have to make sure that we filter the true from the false. If they start spreadinglies and large numbers tune in, we'll be obliged to provide listeners w/accurate and complete picture. V of Israel is most popular Arabic stn in terrs. R Monte Carlo cannot provide vital info on terr policies or wx forecast. We provide labourer w/info re sites of riots and curfews. They can hear 60-70 stns from Arab states and yet they prefer to listen to forn stns such as BBC, RMC, VOA. All the stns in Arab countries, w/out exception, are propaganda organs of those regimes. PLO has vast cash reserves and it's no problem for it to set up a radio stn in one day. Priorities of politicians who decide on these matters are very odd in this case. E.g., during IBA's long strike, knowing the absence of AR bcs causes severe damage in terms of security, they did nothing at all to change this dangerous situation (WBI 15/1)

Ha'aretz reported 10/1: New Pal radio stn from Leb over a week now began bcng calls to inhabitants of the [occupied, occupied] territories to rise up, demonstrate and protest against the Isr authorities. Bcs 9 hpd 07-12 & 14-18 on MW. Over a week ago began bcng nationalist Pal songs, w/bcr interrupting every few mins to read out stn's callsign in AR or HB: "Experimental bc - Al-Quds (Jerusalem), the Pal Arab stn for the libn of land and man".

Monitoring 8/1: Continues hrd w/tests 07-12 & 14-18 on 702 daily. At 1616 8/1, and apx every half-hour thereafter, this anmt hrd: "O our Galilee, our Safad, Acre, Haifa, Nazareth, Jaffa, Ramlah and Lod; our kinfolk in all of Palestine, in every Palestinian city, town, village, camp; our people in Balatah, Aqbat Jabr, Askar, Duhayshah and Nusayrat; our people in Ram, Ramallah and Birah; our kinfolk in Tulkarm, Nablus, Khan Yunus, Rafah and Hebron; our heroic people; the hands of our boys and men; the knife-wielding hands of our women; our uprising has restored Pal unity; our uprising is the road to liberating us. O our people in the whole of Palestine". 12/1, bcng reps abt uprising in occupied terrs. 1227 anmt: "Brother listeners, due to the exacerbation of the situation in occupied Palestine and in view of our struggling Pal Arab masses' intense confrontation of the Zionist tool of repression, we will continue our xmsns today w/out interruption. We are together along the path of liberating land and man."

Al-Siyasah, Kuwait, reported 4/1: We have learned that PLO has inaugurated own radio/TV stn in S Leb; began test 2 weeks ago as voice of Al-Quds. Covers occupied terrs and entire greater Syria region; not identified itself w/any particular side and is still expl. Observers have reached the definite conclusion that it's xmtg from Sidon, and its inaug in wake of Fatah mvmt anniv and people's uprising in occupied terr (WBI 15/1)

Arabic version of quoted anmt: "Al-Quds, al-idha'ah al-Arabiyah al-Filastiniyah ala Tariq Tahrir al-Ard wa al-Insan" (WBI 15/1)

V of Israel reported 17/1: Syria's Info Min said that uprising in the terrs brought a renewal in Damascus' support for the Pal struggle and added, time has come for actions, not slogans. Our monitor Mikhael Gurdus adds that these remarks show renewed co-op betw Syria and PLO. The Pal radio stn "Jerusalem" which was initially thought to be operating from Lebanon, is in fact bcng from southern Syria, airing slogans supporting the PLO (WBI 22/1)

T A N Z A N I A R Tanzania, DeS reported 19/12: govt signed agmt today for Marubeni Co of Japan to construct radio stn in Kigoma, [western Tanz]. Ndugu Fadhili Mbagu, depy principal secy in office of PM and first VP, signed on behalf of Tanz, Mr (?Muzusawa) on behalf of Marubeni Co. Under the 350 megashilling agmt, Marubeni'll construct 100 kW xmtr; also install studio eqp in Kigoma, where RT is constructing the radio stn bldg, now nearing completion. Expected completion Aug 88. Marubeni also in Dodoma project launched July 87. Both w/assistance of govt of Japan (WBI 1/1)

T H A I L A N D Stn hrd on 6148.3 presumed to be from Royal Palace, Or Sor, is really a diff stn. Most probable location is Mor Sor, Songkhla Univ, Had Yai campus in southern Thailand, close to the islamic Malaysian border. Mor Sor listed in WRTH 87 only under name and addr column, not in MW/SW fq order (Sarath Weerakoon, Sri Lanka, UADX via Jan DSWCI SW News)

T O G O RTT Lomé, on 7264.8 at 1038 22/1 Waf mx, Rohrdorf QRM. On exact same fq 8/11 at 0913 vern, folk mx (Wolfgang Büschel, Canary Islands, Jan SWN)

T U N I S I A RTT Natl Net, SW portion; during summer time all pgms one hour earlier than shown. 0425-07 on 7475 7310. 07-08 12005 7475 7310. 08-09 12005. 09-16 15450 12005 11550. 16-18 7475. 18-19 12005 7475 7310. 19-21 12005 7310. 21-2330 12005 7475 7310, in Arabic. Besides 5 min nx on top of most hours, other pgms include: 0425-0430 Natl Anthem. 08-09 exc Sun relay of Sfax or Monastir regional svc. 1150-12 pgm pvw. 1615-1630 Today's talk. 17-1715 Tunisian nx. 1815-1830 Today's Talk in colloquial AR; 19-1915 nx & comtry in colloq AR. 2115-2145 Tue V of Palestine.

RTT ES in AR (one hour earlier in summer): 16-18 ME 12005 7310, 19-21 Eu 7475. Includes review of previous week's nx Mon 1635-17 & 1935-20 (WBI 1/1)

U S S R On Mayak pgm via SW Mon-Fri 1430-1435, ID hunters might like relays of (special?) nx bc from different SSRs; best here 5935 (Riga) and 9470 i.a. between 3995 and 12000 from diff sites to diff areas; 1 hour earlier during DST. During rest of that half hour, usually native mx from resp republics. Nx always in RS, IDs bi-lingual w/vern plus IS; each day a diff SSR. Wonder if 'glasnost' might lead to individual QSLs? (Joachim Kornek, Dortmund, FRG, 8/1)

R Moscow on 6095 and 7345 in EG from 14 & 06 are not Cuban relays as I had speculated in Nov; still 555 w/strange audio 3/1. Cuban relay on 11866v in EG all day 5/1, distorted FM-type sig covering 11855-875, not on 11840. R Kiev on 7135 7150 7400 11860 13645 from 2200 in UK 1/1, all // and in phase except 7150 which had 3 sec delay, 2/1 7150 was 3 sec ahead; any explanation? [2-way repeater on the Moon -gh] R St Atlantika, 6155, from 1645 RS tlk & GM opera, 1725 and addr: "Riga, R Atlantika", mx to 1729, then Mayak IS, //7300, 9845, 12070; all 4 vy strong 11/1 and seem to be Pac coast xmtrs from Vladivostok area; no Euro sigs on 49 or 41m, but R Japan 5990 was 555 at 1700, Manila & Taiwan also strong; makes sense if they are trying to reach Sov ships in Nam waters, since daytime sigs from E As are excellent on 49 & 41m. R Yerevan, 7300 from *2130 IS & Armenian, 2152 FR nx to 2159, then Moscow RS; fair 12/1. Yakutsk on 4920 //4940, from 2230 "Govorit Yakutsk", RS & Yak tlk & wx; both good 8/1, 4940 stronger; and temp of -60 C in Yakutia, while it was only -35 at my QTH then. (Cf Jan LN-22): Krasnoyarsk was hrd on 5290 from 0100 in RS, 30/11; 5190 is a typo. "R St Zemlya i Lyudi" also noted at 0340-0359 via Alma-Ata on 9780 & 11950, UTC Tue 15/12 & other days, Sun from 0220 (Ernie Behr, Kenora ont)

Soviet woodpecker is mostly in the range 5750-6100 since Nov, hammering away for hours without a break; from 1100 past 1530 on 29/12, usually covering about 250 kHz; more active than ever before (Ernie Behr, Kenora Ont, 6/1)

Re Ernie Behr's comments in Jan LN on Sov use of 7 MHz to bc to Nam: what do ITU regs say abt stns in areas of world where SWBC is permitted on 7 MHz beaming to areas of world where such fqs reserved for hams? Also, did ITU give FCC special waiver to permit US stns to use 7 MHz (albeit above 7300) fqs? Did ITU give FCC spl waiver to permit use of OOB? I seem to recall Ian McFarland saying that ITU had given Canada spl waiver to use 7300-7400 for northern svc, tho never used yet (William E Westenhaver, Montreal PQ, 18/1)

R Riga in Swedish 2/1 2130-22 on 5935. F but QRM from another Russian stn, *2150 w/test tones, s/on 2200, RDI listed as Kenga. R Vilnius on 29/12 and 2300 EG as 13645 11860 11780 7165 5980 but monitored on 13645 11860 7400(best) 7165 & 6200. DS-1 via Yakutsk hrd 2/1 on 4940 1245-1330. R Moscow in presumed Dari or Pushto on Dushanbe's fq 4975 at 1300. RM IS at 1259 and "Da Moskovko Radio" ID at 1300, Fair (Christos Rigas, Chicago IL)

New 4820, *0540-0600* Khanty-Mansiysk in RS talk, xmtr is at Salekhard!, 44444 (Igor Sannikov, Kirov region, USSR, Dec DSWCI SW News)

Uzbek R, Tashkent, reported 22/12: changes from New Year: from 1/1, Mash'al info pgm 10hpd instead of 6, from *0300 till 1300. Social & political bcs will also be significantly renewed and a number of new pgms bc. [BBCMS ed note: Uzbek R's 2nd pgm, Mash'al, bcs on 4850 plus 666 kHz, 68.03 MHz for greater Tashkent]

RMWS reported 24/12: number of Soviet people listening to Western radio stns this year decreased by one half compared to 1983. Sociologists link this w/democratisation and openness, popl increasingly better informed of events at home & abroad. Based on poll by Academy of Social Sciences in western Ukraine. If four years ago about 20% of those polled regularly listened to VOA & DW, their number has now dropped down to 10% (WBI 1/1)

R Dushanbe ES on 4975 and 1143: 02-03, 1230-13, 14-15 in Dari to As; 1530-16 & 1730-18 in Persian to ME (WBI 1/1)

Govorit i Pokazyvayet Moskva reported 1/1 on pgming changes: First pgm: Pioneer's Reveille to earlier time 0415. Daily magazine Land & People at 0340 ex-0420 more convenient for rural liseners. 10-min On Topics of the Day Mon-Fri 0435.

Also changes during the day, more significant for listeners in east receiving R Orbita [time shifted versions]. Daily nx and topical bc Time, Events, People at 1900 [sic, think means 0900 -gh] is live. R Orbita currently bc recording next day. But now bc simultaneously thruout country at 0900 [as it had been until the end of 1986]. When 40 mins long, pop mx pgm Workers' Mid-Day was shifted by 10 mins to 0940, giving rise to listener objections. Now back to 0930 [w/ T,E,P again only 30 mins long]. Evenings: nx at 16, heavy bulletin, extended to 45 mins. Arts bcs on First Pgm eves, somewhat shorter, not incl plays, live relays from concert halls, mx theatres. Twice-weekly Evening Courier from Yunost [Youth] R, on Mon & Thu, and extended length, part 1 at 2005, part 2 at 21-22. All these relate to four R Orbitas, taking into account timezone diffs.

3rd Pgm: Extended by one hour daily; to Eu part 03-21 w/no daytime intermission; Urals 01-19; Siberia 23-17; FE 21-15. Literary readings restored 0510. Mayak carries. Yunost Field Mailbag at 0205, 1705; 3rd pgm will repeat it at 11. For schoolkids, long two-hour arts & knowledge bc will be introed, 13-16 ex-one hour at 11 & 14. Comedy pgms on Sat & Sun morns. Too, 3rd pgm will now have its own call sign, to help listeners find it more easily.

All Union Radio reported 1/1: On Mayak, besides morning News Panorama, and Evening Panorama will appear 19-21, probably from Feb, exply in Jan.

AUR reported 29/12 after recording of Tajik R stn ID in Crimean Tatar: This is how every nx & mx bc of Tajik Radio in the lang of the Crimean Tatars begins. Twice monthly, 2nd & 4th Weds. There are thousands of CTs in Tajikistan. Bc incls nx, mx, both folk and contemporary mx and songs (WBI 8/1)

RM in Std Chinese reported 8/1: we'll formally start a 2-hour long Nx & Mx pgm on Sat 9/1, 22-24 & 01-03, incl nx, commentaries, on the spot reports, intro well-known figures, press reviews, book reviews, ltrs from listeners, much mx (WBI 15/1)

U S A I keep seeing out-of-date/inaccurate info printed elsewhere about the WORLD OF RADIO schedule, so perhaps I should give it more often: on WRNO, Thu 1615 on 15420 (ideally first airing of new pgm, but mail delays often make it a repeat of previous week's; also beneficial for those who missed it); UTC Fri 0130 on 7355; UTC Sat 0400 on 6185; UTC Sun 0030 on 7355. Also look for resumption of Sunday bc now that football season over, perhaps on 15420 sometime, or at 22 on 13760, which apparently gets out well worldwide. (gh)

Hrd W.O.R. in progress 1637 Fri 4/12 via WRNO. Are they moving it whenever a time slot is open? [Yes, additional bcs possible] Possibly on that occasion only as later obs on Fris negative. Usage of 15420 up to 22 a bad choice for Eu listeners; a move to 9 MHz from arnd 1900 at latest would serve us better. This winter, 15420 surprisingly strong & consistent, besides occl splatter? from RFE/RL eqs thruout 19mb (Joachim Kornek, Dortmund, FRG, 8/1)

WCSN's sked change 4/1 didn't make reception pattern in Eu much worse; 21515 to Af 16 to f/out 1730, and 9495 22-24 are enough. WHRI has finally left 21700--co-chan R Japan via Gabon--for 21640 at 15-17 arnd 1/12, super sig now (Joachim Kornek, Dortmund, FRG, 8/1)

KUSW on 17715, from 2105 EG & OC, 2135 old pop songs to 2153*; on 15580 from *2200 w/ID & mx; 555 sig 12/12 (Ernie Behr, Kenora Ont) KUSW hrd w/regular pgm-ing since 26/12 on 17715 at 2051 w/SuperPower KUSW slogan, nx update and playing pop mx from compact discs (Christos Rigas, Chicago IL) KUSW sked as of 29/12: *1800 on 15225, 19 on 17715, 22 on 15580, 00 on 11680, 03-06 on 9755 (Richard Lemke, St Albert Alta) Ancd as Mon-Sat only; they are also on UTC Sun 06-11 on 6135, 11-16 on 9850, 16-19 on 15225, not Sunday aftn and UTC Mon (gh)

What is FCC complaint tel # for WYFR fuzz & etc complaints? (Richard Stoller, Durham NC) Not sure if one specifically for that, but a call to any FCC monitoring stn can quickly contact others, e.g. Laurel MD (301) 725-1045 (gh)

U R U G U A Y R Montecarlo, 9595, from 0115 tangos, 0130 ID & nx, more mx, 0158 ID, ads, nx & songs to 0208*a; fair, UTC 30/12 only as of 6/1. Hrd again 9/1 UTC from 0120 IT nx, 0125 ID & full sked for R Oriental & Mcarlo, 0132 PT nx, 0137 OC, 0139 SP & mx to 0143*; hrd 10/1 w/SP nx to 0207*, but off next 5 days; IT & PT nx was ancd as M-F & sounded like relay from another stn, maybe Oriental. R Oriental, 11735, hrd UTC 15/1, from 0100 SP sports & ads to 0137* abrupt s/off; fair o/Brazil; prob same xmtr as 9595 (Ernie Behr, Kenora Ont) IT for Argentina?

V A T I C A N R Vaticana pgm mag for Jan-Mar about Af svc: cannot guarantee absolute regularity in daily use of specific Af langs w/in EG svc. Xltrs are priests and seminarians studying at Roman univs and their first concern is their studies: they have days and periods when they cannot come to the VR to xlte and bc--exams,

spl lectures, Easter, summer & Xmas holidays [sic]. Last summer some very kindly prerecorded items, but only a part solution. Even a permanent Af staffmember can translate only into one lang, and in our best times we use 7 Af langs a week, one a day. And re Japanese: From April a new JP pgm, paying splattn to words & activities of PJP2, rx re important events of Church in Japan, World (WBI 1/1)

V E N E Z U E L A R Nacional, 9485v, from 0300 SP w/strong, distorted FM-type sig, //11860.4 weaker, 14/12; also the usual distorted mess arnd 5020v (Ernie Behr, Kenora Ont) R Nac, 23720, 7/ 1 1725 loud & distorted like fund 11860 (Richard Stoller, Durham NC)

Z I M B A B W E ZBC fair on 3396 on 3/1 at 0400 nx, also on 3306 same time in lang, weaker (Christos Rigas, Chicago IL)

C L A N D E S T I N E C R A N N Y Radio SPLA, supporting Sudan People's Liberation Movement, obs on 4666 in addn to 11710 and 9550, during 1330 AR; reception condx prevents confirming use of 4666 for earlier xmsns in Sudanese langs at 11, or EG at 13 (WBI 22/1)

Radio Halgan: The United Voice [sic] of the Somali Opposition Forces Claims to use mobile xmtr but actually via R the Voice of Revolutionary [sic] Ethiopia. In Somali daily 17-1755 on 9590, audible regularly in Eu. Rcvd friendly letter after about a month from Mohamed Ismail Bari Bari, Secy of Info, Somali Salvation Democratic Front. Adds he visited Denmark in 1964, but outsiders know very little about Somali situation. How right he is. He also sent package of material about the organisation and struggle against "dictatorship of Gen Mohamed Siyad Barre" who came to power after heading a coup on 21/10/69. Somali opposition forces (two separate orgs: Somali Natl Mvmt--SNM and the Som Salv Demo Front--SSDF) came into being in 1978. In a 1981 publication, they write about the R Halgan predecessor, R Kulmis: was mobile daily 9-10 pm staffed by former speakers from R Mogadishu, BBC Somali Section. Interviewed leading personalities, effective in eroding people's confidence in regime. People listen every night despite criminality of dcing so. Another periodical, Midnimo (meaning Unity), Jan 86 tells more: Started 8/2/79 as R Kulmis, 17-18 UTC. From 1979 to 5/10/82 it was used by SSDF alone, and that is why SSDF is popularly known as Kulmis both inside & outside Somalia. When coop agmt w/SNM came into being 5/10/82, name changed to R Halgan. Dictator himself recognizes as painful fleshthorn. Pgm widely listened to wherever Somali is spoken; they ask for increase in hours. Effectiveness primarily due to personnel, experienced producers, bcers who have worked many years w/R Hargeisa, Mogadishu, BBC Somali. The first 2-3 mins of daily bc are Koran readings; ID something like "Halkani wa Radio Halgan, codka midkysan ee xoogaga mucaaradada Soomaaliyeed" (Radio Halgan, the united voice of Somali Opposition Forces) (Finn Krone, Denmark, Dec DSWCI SW News) Next time, why not try to find out what the names Kulmis and Halgan actually mean. The address used was not mentioned in this report (gh)

A) - Quds, Palestinian Arab Stn SYRIA
R Iran Tho the new 4700 kHz channel is fair to very good in Florida, not a peep here despite several 0300 checks (Bernhard Grundl, W Germany, Dec DSWCI SWN) If it isn't audible here in Europe, that raises some rather strange questions about the location of this outlet, no? (Mathias Kropf, ibid.)

V of the Worker (Seda-ye Khargar) Having noted this on both 4159.8 at *1625 and 4164.8 till 1915v* on numerous occasions, I took the trouble to monitor their whole bc on 18/11. I won't do that again, I tell you, hi! They came on the air shortly prior to 1630 on usual 4159.8 and that ties in with earlier loggings at *1625, varying a few mins from day to day. Pgmning usual rhetoric in Farsi along w/IDs "Seda-ye Khargar Irana" plus another mention of "Seda-ye Mojahed Khalq" which is in fact the name of the "Crusader" stn - formerly the most active anti-Khomeiny operation!!! Stn went off abruptly at 1728 and reappeared on 4164.8 thereafter. This ch offered even better reception of SINPO 34433. Remained there till closedown 1919. Several logs of this 2nd ch seem to prove that the observed pattern is a deliberate hop of 5 kHz further up the dial after about an hour of pgms. Why? Never obs any jamming at them, and xmtr appears rock-steady. Also interesting that bc time seems to extend gradually. BECMS' first report had them 1630-18, repeat 03-0430. TBS files show someone hrd them 1630-1830, and on 14/11 I hrd then to 1920*, 1909* 16/11, 1919* 18/11. Morn bc unchecked. Maybe mentn of Crusader was only coincidence. But the two stns have more in common than being hostile to Iran's leader. On the other hand, Iranian authorities do not seem to worry about V of the Worker, due to lack of jamming. V of Mojahed

appears to have been the more 'radical' judging by massive jamming on all 3 of its channels, regardless of whether they are on or not! Pity most DXers' command of Farsi is inadequate to answer these queries. Then on 8/12, hrd on 4149.8 at 1652-1740 and 1856-1921*, ex-4159.8/4164.8! Farsi M&W alternating plus mx inter-ludes. Ments of Khargar and no ID till 1856 recheck "Seda-ye Khargar". Again 9/12 at t/in 1630 when apparently just s/on, 4149.8 again (Bernhard Grnd1, FRG, Jan DSWCI SWN) What happened to their 41 & 49mb outlets? (Mathias Kropf, DSWCI ed)

V of the Communist Party of Iran, 3865.4, 1830-1921*, 7/12, M talking lang unseem-ing Farsi, perhaps Azeri, even if Farsi IDs hrd later. M&W alternating every few mins. Usual refs to "Engelab" and "Mojahed" plus talk on America and communism. 1851 mx break, clear ID, more ments of "Komonist-e Iran". 1856 next ID, 1857 International and one min of dead air. 20 min of coded msgs by W on USB, but surprised to note bubble jamming when I flipped SBs. Jammer still there when claud stn pulled the plug. Also on exactly same fq 8/12 *1658 and 1939* 40 mins! of coded msgs this day, powerful sig once again, 45343. On 14/12 caught them just after s/on at 1702 on 3885.7, wild M ancr in Farsi, final bars of Intle and W ID. Then plenty talk. 1858 retune for break prior to coded msgs for 3 mins. Also 15/12 1852-1858* on exactly same spot, no msgs for a change; 17/12 till 1909* on 3890.1, 34343 (Bernhard Grnd1, GFR, Jan DSWCI SWN)

V of Unity addr in Nov QSL Report, p 40 shown as POB 2605, hamburg; same in DXLD-18 p 27, but June 87 LN-32 clearly says 2065, not 2605, reports to the latter being returned; my report of Sep 87 to 2065 not answered nor returned; can anyone clarify this? Ed Kusalik or Sam Barto? (Ernie Behr, Kenora Ont, 6/1)

V of the Crusader/V of the Mojahed Anyone know what happened to them? They used to be the most active clandestine w/up to three parallel outlets on trop bands. I don't hear them on either fq anymore, 3515v, 3930v or 4460v (Bernhard Grnd1, GFR, Dec DSWCI SWN) Believe I've hrd them on 3930 a few days ago; maybe whole opn is now somewhat irr or they've xmtr problems (Mathias Kropf, DSWCI ed.)

V of Democratic Kampuchea booming in here like a local 18-1855 on 7385. Hrd arnd Xmas, and w/abt same level a year before. Tho words meaningless to me, mx is great (Joachim Kornek, Dortmund, FRG, 8/1) VODK on 6550 at 1305 vern reports 4/12 at 24442 SINPO (Harald Kuhl, GFR, Jan DSWCI SWN)

R Sierra Madre, V of the Free Philippines AFP reported 27/12 from Manila: Communist Party of Phil CPP marked 19th anniv w/first-ever radio bc and said its guerrilla army close to reaching stalemate w/govt forces, per press reports. 42-min bc named this was made in Tagalog over unused FM band fq late Sat 26/12. Apparently pre-taped bc said CPP-led rebel coalition, NDF had begun setting up // revly govt at prov level. Manila Chronicle said it'd been part of select group of listeners tipped off in advance about the bc, and pgm delayed by 3 hours due to jamming by military. Manila Standard said bc was weak, much static, believed to have originated from Manila or suburbs (WBI 1/1) no fq mentd

V o National Salvation has installed two txs (4450, 3480kHz). A new fq of 4450kHz was noted on Nov. 26, 1987. Recent schedule, KR: 2000-2300 & 0300-0600 on 4557 4450 3480 1053kHz, 1000-1630 on 4557 4450 4120 3480 1053, EG: 2300-2330 4557 4450 3480 1053. All frqs are jammed by S. Korea.

On Dec. 1, 1987 a S. Korean public affairs officer pointed out increased radiation power of this anti S. Korean stn.

This stn has announced itself as "V o Nation Saving" in its EG program. [more next page] (Toru Yamashita, Tetsuya Kondo)

Echo of the Masses broadcast from N. Korea has also increased a fq of 4160kHz in addition to traditional 5885kHz. The schedule is still 1100-1400. Program in KR. [more next page] (T. Yamashita)

Echo of Hope, Korean language stn from S. Korea, has changed its schedule. First noted on Dec. 3, 1987. 0200-0500, 0900-1200, 1400-1700, 2000-2100 on 3985kHz. (T. Yamashita)

V o the People believed from S. Korea has discontinued 4027kHz service. The schedule has changed around Nov. 15 last year and Jan. 1. The recent schedule is as 0300-0400 6600v, 0900-1000 6600v 1500-1600 3912, 2000-2100 3912kHz. Program in KR. [more next page] (all: via Asian Broadcasting Institute) (Akira Shibuta, T. Yamashita)

V of the People [more] first obs 28/12/87, but believed to have been in existence at least two months prior. Tho ancs as coming from Pyongyang (Korean: Yuginun Pyongyang-eso ponaedurinun inminuisoriband-immida), xmtrs believed to be in S Korea. 04-05 & 09-10 on 6600, 15-16 & 20-21 on 3912, KR to As (WBI 8/1)

Echo of the Masses ancd 10/1 it'd bc as from 11/1 at 11-14 on 5885 4160, 20-23 & 03-06 4160 (Toru Yamashita, via Tetsuya Kondo, Asian Broadcasting Institute)

V of National Salvation [Cf Jan LN-24: I inadvertently omitted credit for tirade transcript to WBI 11/12; here's another -gh] VNS bc an SKNDF statement of 2/12 on 3/12; excerpts: 'The Chon Tu-hwan - No Tae-u pro-US military group has recently kicked up more viciously than ever manoeuvres to slander and jam the V of National Salvation of our S Korean Natl Democratic Front. As is well known, our VNS is the mouthpiece for the SKNDF, a vanguard unit of the SK masses who are struggling for independence, democracy and reunification and a voice that defends all the patriotic masses' will and interests. Our VNS is a bc stn of the SK masses themselves that the vanguard fighters of the SKNDF produce and transmit from under ground in response to the call of the times and the popular will for tolling the bell of dawn and echoing the voices of justice for the masses who are moaning in the dark where the worst fascist suppression in history is rampant. Our bc stn is spiritually arming SKNDF fighters and patriotic masses of all lifewalks w/the Chuche idea--the nation's one and only guiding ideology and the present era's guiding idea... Because of its sincerity and justness and because of its achievements in the SK mass movement, VNS has become a genuine bc stn of the masses that is actively assisted and loved by the entire nation and has become an authoritative and dignified bc stn recognised by the world's progressive social circles... Since VNS began xmtg its radio waves, to keep it from exercising influence, the fascist nation-selling forces have made every effort to slander our stn and have even jammed it, branding it the North's black bc stn and its illegal means of propaganda. The fascist group's crime against VNS has rather exposed their ancinalational, anti-masses, and anti-democratic nature to the people and has increased the people's support for our stn and made more people listen to it... The SKNDF strongly demands that the manoeuvres to slander and jam VNS be immediately stopped. Nothing can check and block the radio waves of the truth and the voices of popular will. No matter how frantically they exert efforts, traitors Chon Tu-hwan and No Tae-u, who run counter to and reject the popular will, cannot keep VNS from exercising influence. By more vigorously xmtg the radio waves of justice in response to the national desire and the call of the times, the VNS of our SKNDF will fulfill its historic duty as a genuine leader, a voice, and a stimulator for the patriotic masses of all lifewalks who are waging a bloody struggle to hasten the dawn of independence, democracy and reunification. [BBCMS ed note: VNS thot to bc from xmtrs in NK] (WBI 1/1)

LV del CID 7380, from *0005 SP tlk & mx past 0600, UTC 2/1, //9940; both strong & ID as R Camilo Cienfuegos. On 11635.2v until 2402*v, ID as R Antonio Maceo, but 9940 eff since 3/1. 11635.2v hrd all day 1300-2400*v, SP tlks, pop mx & RCC IDs, // & in phase w/9940v, both vy strong & perhaps from same site; however, on 11635 pgm was cut off at 2356, then R Antonio Maceo ID & NA to 2359* 19/1, while 9940 continued; until late Dec 87 these fgs carried separate pgms & IDs; 7380 not hrd lately due to strong pulser-ute (Ernie Behr, Kenora Ont)

R Liberación on 5929.4 & 6214.4 back a 1200 on 3/1 after 10-12 days absence, but R Lib on 5889.1 gone since Xmas as of 6/1. Full ID of reorganized contra net is Sistema Radial de la Resistencia Nicaraguense, R Liberación y R 15 de Septiembre as hrd on 5929.4 only since 9/1, but ancy "5930, 6215 y 6210 kc, banda de 49m". R Lib hrd 10/1 from 2300 w/SP tlk & mx, 0156 church svc from Miami, 0256 ID for "R Lib 1520 kc", NA to 0259*; at 0105 had promo for R RSA SP svc & "Cuba, al servicio del comunismo internacional"; hrd 13/1 w/La prensa en el aire & NA to 0317*. R 15 de Sept follows R Lib; from 0300 song, NA, talks & IDs, NA to 0415, 12/1; from 0318 to 0423* 13/1. No other Contra stns hrd, but the new net sounds vy professional; poor fq due to Prague QRM; shd move down a few kHz (Ernie Behr, Kenora Ont)

UNIDENTIFIED 9535 hrd from 2130 w/AR mx & arnmts by W, from 2156 under RFI; fair 15/12 (Ernie Behr, Kenora Ont)

9270 22/12 at 0116 Koran, into Farsi or similar talk by M, ments Kabul & Mujahadin, fuzzy Iran-style audio. F-G but worsening. Carriers but no audio hrd since. Anti-Kabul via Teheran is my guess (Richard Stoller, Durham NC, 13/1)

5965 weak As stn hrd from 1530 w/mx, t1k & chants to 1600 f/out, 20/1, maybe Malaysia (Ernie Behr, Kenora Ont)

5680a fuzzy LAM daily eves, no understood ID, 3 syllables, I think, or QTH yet, help! (Richard Stoller, Durham NC) Other reports say Cuba--Reloj or Rebelde

4648.5 25/12 02530 [sic]-0340 fade; Colombian pop mx, Vanidosa etc., an odd detail which is why I selected this out of several LAM unIDs (R Stoller, NC)

LAST-MINUTE ITEMS A F G H A N I S T A N R Afgh via USSR, 7245 & 9765, Pashto/Dari 1430-1500+, G 17/1, but 9635 & 6085 listed in Jan LN-10 not hrd (Ernie Behr, Kenora, Ontario, Canada)

A L G E R I A R Algiers, 9640.4 new, 1900 15/11 EG ID, nx, 43443 (Wolfgang Bdschel, Canary Islands, Jan DSWCI SW News)

B R A Z I L R Clube do Pará, 4885, answered w/personal ltr in 3 months. V/s: Solange Souza. QTH: Trav. Curuzu, 1941 Marco, CEP-66000 Belém, Pará (Pierre Thèze, France, Jan DSWCI SWN)

C A N A D A [Cf main sexion] SundayMorning on RCI 29/11: perhaps CKUA was the first non-commercial stn, but they clearly said "Canada's oldest radio stn" several times (Ernie Behr, Ont, 21/1)

C H A D RNT on new 4890.2 23/11 & 24/11 1954-2302* in vern, FR, Af mx, IDs, NA, //janmed 4904.5, 43333 (Roland Schulze, GFR, Jan DSWCI SWN)

C H I N A Yunnan PBS, on new 4930, *2225-2300 often hd in Nov in CH (Olle Alm, Finn Krone, Bjorn Fransson, Scandinavia, Jan DSWCI SWN)

F R A N C E France Inter reported 19/1 on a report by Michel Pericard requested by the Prime Minister, on shortcomings of extl being policy: RFI comes in 8th, after Albania. It should be de-Africanised, develop regional channels, have a continuous French language pgm and be able to reach Asia. Revitalising of fonn bcing [incl TV] could be done by increasing allocation from current 750 megafranc to a gigafranc over 3 years. ¶ RDP Intl, Lisbon reported 13/1: French authorities have seized studio and xmtg eqp of Paris stn R (¿Eglantine), thus ending PT bcs by R Clube Português in Paris. French authorities refused to allocate fqs for PT lang radio stns (WBI 22/1)

G U I N E A Rdif Natl, Conakry, new 4821.9v, drifting widely from nom 4900, 22/11 FR/Vern talk //7123.1, 35433, at 0945 (Wolfgang Bdschel, Canary Is, DSWCI SWN Jan) Rdif-TV Guineanne (also IDing as R Conakry and R Guinea), DS on 7125 4900 1404 & FM: 0557-08 exc Sun, 08-12 Sun, 12-24 daily. Multilingual incl nx in FR at: 0645, 0750, 0915, 1245 exc Sun, 1615, 1800, 1900, 1945, 2200, 2350; EG nx 1845-1855. Also ancd use of 4910 and 4810 at diff times. These fqs also obs in past: 15310, 9650, 6155, 4833; all may vary by 1-3 kHz (WBI 22/1)

G U Y A N A CANA nx agcy, Bridgetown reported 6/1 from Georgetown: Guyana Television (GTV) made debut on NY day in expl project by govt. One hour entirely local pgm, to be alternative to two privately-run TV ch which merely relay signals from US domsats. With 30-40 kiloTV sets in country, sizeable population exposed daily to fonn sigs, implications for Guy cultural identity. On Channel 10, 400 watt xmtr donated by CBC; first step toward nationwide TV. Pgm is Sun 15-16, repeated at 21 (WBI 22/1)

H O N G K O N G BBC relay on 7160, from 1500 Newsreel, 1515 pop mx, 1600 EG nx & contry to 1615* w/anmt "BBC East Asia relay stn is now closing", vy strong 19/1 & often the only audible BBC fq at this time, //5995 covered by RA; have suggested a move to 6005 or 6170 (Ernie Behr, Kenora, Ont, 21/1) So now IDing if not "HK"

I R A N VIRI reported 13/1: It has been said that 3 kilotypewriters have been bought but the org is short of typewriter golf-balls. The org has only bought 195 typewriters since the year 1360 (aka 1981-82) of which 60 were from abroad and 135 domestically. Total number of typewriters inside the orgn incl Tehran & provinces amounts to apx 600 (WBI 22/1)

J O R D A N Amman on 9635 at 0650 22/11 AR talk mentg Amman, 33333 (Frank A Baldwin, UKOGBANI, Jan DSWCI SWN) So not Mali? (gh)

L E B A N O N V of the People (Arabic: Sawt al-Sha'b), was reported by the Beirut newspaper Al-Nahar to hae begun test bcing on 22/12/86. Appears to support Leb Communist Party. 0358-23 on 1269 1188 103.7 in AR; nx at 0530, 0630, 1130, 1630, 1830, 2230; nx review of today 1930 exc Sun; political comtry 1145 & 1645 (WBI 22/1)

M A L I R Mali, Bamako, 9634.9, 1128-1800* often AR prayer, FR nx, reports, vern pgm //7285 11960; abrupt s/off, 55555 (Alexander Koutamanis, Neth; Anker Petersen & Wolfgang Büschel, Canary Islands, Jan DSWCI SWN)

M O Z A M B I Q U E Em Prov de Sofala on 9636.8, 1802-1906, tent, 28/11 Vern, Af hilife rx, anmt, intl pops, after Mali off, 32332 (Martin Hilbig, FRG, SWN)

P E R U R Marañón, 4835, slogan is LV Multitud [sic] de Nuestro Pueblo. This is operated by CEMCOS, Centro de los Medios de Comunicaciones Social [sic], which also includes R Madre de Dios and R Quillabamba (Inoue, RNM via NU, via Jan DSWCI SWN) That explains why the Vatican Radio relays. CEMCOS is a Roman-Catholic org. Also, CEMCOS stn in Jaen used to be R Jaen. Hmmm (Donald N Jensen [also rumored to be a NASWA member], NU, via Jan DSWCI SWN)

More on R Naylamp 4859.7 [cf main section]: Dagens Nyheter newspaper 8/12 had an article on Thor Heyerdahl's Kon-Tiki expedition 40 years ago. Says he is now leading expedition uncovering newly discovered old city in Peru w/26 pyramids. Per tradition it was founded by a king who led all its people to Peru in balsa fleets. City has most likely been uninhabited and untouched for a kiloyear plus. It is called Tokume, in Lambayeque, NW Peru. City was founded by King Cala, grandson of King Naymlap (as spelt), who came sailing to the NW coast of Peru w/his people in balsa-fleets. They came from the north, likely Panama. But story does not tell why King Naymlap originally came or why he left his home. Thanks to Henrik Klemetz for letting me know about this (Finn Krone, Jan DSWCI SWN)

Estación C, 6726.5, has estudios y oficinas at Jr. A. de Alvarado 791, Moyobamba w/xmtr at Jr. Pedro Tejada 4ta, Cdra. [sic]. Phone: 2252. V/s Riquelme Centurión Tapia, Dpto de Producciones, is very friendly and sent a long ltr. He's selling the sights of the area as if he is the local tourist info officer but he also says Estación C on 25/9/87 completed 3 yrs of svc to the people, with 500 W of power in antenna. He needs 200 or 150\$ to help him get a better life, hi (Henrik J Klemetz, Sweden, Jan DSWCI SWN)

R Sideral, 9765, with letter after a dozen f/ups. V/s: Ladislao Vargas, ancr & tech dir, head of pgm Arco Iris Musical. Stn addr per WRTH; his personal addr is Jr Ramirez Hurtado 401, Barrio el Arenal, Pucallpa (Berg [probably the same one who edits LR-B]), NU, via Jan DSWCI SWN)

Futuro La Radio, 10242, in a letter gives addr to write to as Apdo Postal No. 89, Correo Central, Moyobamba; w/studios and offices at Jr. Independencia No. 656, Calzada, Prov de Moyobamba, Dpto de San Martín. Daily pgms are (local time): 06-0630 Perú Nuestra w/anrc Ezequiel Varas; 0630-07 Onda Tropical, same ancr. 07-0830 El Informativo, Wilian [sic] Ruiz G. 0830-0930 Música Juvenil w/ Fscó Villacorta. 0930-1030 El Mundo del Boleró, Ruiz. 1030-1200 La Hora Folklórica w/Leoncio Ponce. 1200 closing time. Stn was inaugurated 25/12/85. Is not a 'sociedad' but privately run by Gerente Proprietario Wilian Ruiz Gongora. In the 16/9/87 ltr he says reports have arrived from USA, Lima, Italy, FRG (Henrik J Klemetz [always misspelt Klementz], Sweden, Jan DSWCI SWN)

P U B L I C A T I O N S World Broadcasting Information, quoted extensively in LN, can also be subscribed to directly. There's far more info in WBI than we use, and it's far less abbr'd and cramped. WBI news section is divided into sections covering Radio & TV - General, country by country; Clandestine & Extraterritorial Broadcasting; News Agencies; and Communications Satellites. This is all nicely printed in two column format on 8-3/16 x 10-11/16 inch paper--too bad we aren't allowed reproduce it directly. The second part is Transmissions Schedules, on same size paper but non-reduced "rough" typewriter copy, extremely wasteful of space & postage. Major stations also include cross reference of broadcasting output by target area, language, times, and weekly hour/minute totals of each are tabulated--info we rarely use here (e.g., FEBA bcs 58.15 a week to Asia, of which .15 is in Mundari, Tuesdays at 1315). The cost is only 350 UKOGBANI pounds per annum, PLUS overseas postage, and I believe a free sample might be available per ads in past WRTVHs; address is: Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading RG4 8TZ, Berkshire, England (gh) Oh, and it is published 51 weeks a year

DX Listening Digest Only a fraxion of the DX news gh receives comes from NASWA members, bulletin exchanges and appears in LN. The rest goes into DXLD, in similar format. Samples are \$2, 5 issues for \$10, 10 issues for \$20, in North America, US funds on US bank or postal MO. Exactly same rates for Review of International Broadcasting, concentrating on programming and comment, or both for \$38, from Glenn Hauser, Box 1684, Enid OK 73702. Overseas samples 7 IRCs each. 73!

QSL REPORT

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



ARGENTINA: Radiodifusion Argentina 9690 f/d "logo" cd. in 11 wks. w/ schedule, report forms and letter. (Weiss-OH).

ARMENIA: Radiostation Rodina 7340 via Yerevan f/d "Society Rodina" cd. in 66 ds. no site on cd. QTH via RDI (Evans-TN). Radio Yerevan 13645 cd. in 66 ds. (Darling-PNG).

ASIATIC RUSSIA: Radio Moscow 7265 via Kom-somolsk-on-Amur f/d cd. in 45 ds. (Paszkiewicz-WI).

AUSTRALIA: Radio Australia 11800 via Darwin f/d "Koala" cd. in 26 ds. (Archer-NC). 7215 via Shepparton same cd. in 26 ds. (Archer). 9580 f/d "Lyrebirds in Eastern & Northern Australia" cd. w/ decal in 17 ds. (Rubin-NY). VLV9 xerox copy of the back of their

cd. in 22 ds. for 1 IRC.

* (Eckman-CA). Australian Nany/National Standard Commission Time Signal Station 6448 f/d cd. w/ ltr. and my prepared cd. in 48 ds. for 3 IRCs. v/s Sheila Mason. (Kusalik-ALB). Radio Australia 7120 via Darwin f/d cd. in 20 ds. (Renfrew).

BANGLADESH: Radio Bangladesh 4890 f/d "Sunset" cd. in 465 ds. Schedule rcvd. v/s K.Q.K.M. Abdul Malek, Senior Engineer. **BELGIUM:** BRT 9790 and 9925 f/d "Beach Scene" (Bishop-FL). cd. in 71 ds. (Levison-PA).

BONAIRE: Trans World Radio 9535 f/d cd. w/ schedule in 15 ds. v/s Kristin Shaw. (Topoleski-PA). Radio Niderland 9650 cd. in 39 ds. (Darling-PNG).

BOTSWANA: Radio Botswana 4820 "20 Years of Progress" cd. in 21 ds. for 2 IRCs. (Eckman-CA).

BRASIL: Radio Clube do Para 4885 f/d ltr. after a f/up rpt. in PT for US \$1.00. (Buer-FL). Radio Inconfidencia 6010 wrong p/d ltr. in EG in 26 ds. for a PT rpt, tape, ms. and US \$1.00. (Kashiwabara-CA).

BULGARIA: Radio Sofia 6070 f/d cd. w/ sticker and pennant in 1 year after a f/up rpt. (Weiss-OH).

BURKINA FASO: Radiodiffusion Nationale du Burkina 4815 f/d mimeo page w/ schedule in 6 wks. for ms. (Eckert-PA). same in 43 ds. (Levison-PA).

CANADA: CFRX 6070 f/d "Plane and Skyline" cd. in 4 mo. for ms. (Weiss). same cd. in 18 ds. v/s Ron Hopkins, Engineering. (Topoleski-PA). f/d "ANARC Convention" cd. in 60 ds. v/s Terry Colgan. (Foxy-VA). cd. in 81 ds. for 1 IRC. (Darling-PNG). CKZU 6160 cd. in 26 ds. for 1 IRC. (Darling-PNG). CFCX 6005 cd. in 15 ds. (Eckman). p/d "Montreal Skyline" cd. in 14 ds. for US \$1.00. v/s Louise Kanters, Program Coordinator. (Archer-NC). CHNX 6130 f/d "Greetings from Nova Scotia - Canada's Ocean Playground" cd. in 23 ds. for US \$1.00. v/s K.J. Arsenault, Chief Engineer (VE1TT) (Archer-NC).

CHAD: Radio Moundou 5288 p/d form ltr. in 32 ds. for a FR rpt., 2 IRCs, SASE and US \$1.00 v/s Mimos Jacques. (Archer-NC). Radio Nationale Tchadienne 4904.5

p/d large cd. in 5 mo. for ms. (Wallace-MA). **CHINA, PEOPLES REP OF:**

* Swiss Radio International 11695 via Beijing and 15135 via Kunming f/d cd. in 20 ds. (Renfrew). Radio Beijing 11500 cd. w/ schedule in 36 ds. (Levison).

Verification of Reception

To: Mrs S. Barto also via Kusalik

This is to confirm your reception of our station:

Date: 28.11.87 Time: 2155-2201 UTC
Freq: 12981.6 kHz Mode: USB

The power used was 10 kW into an aerial directed omnidirectional

Comments: Transmission Frequencies: 6448 kHz and 12982 kHz
Assigned Frequency: +1.5 kHz
Transmitter type: AWA - AT3 10
Geographic Position: 35° 12' S, 149° 06' E

QSL from the new Australian time signal station.

Mr. Joseph L. Englin,
312 North Thomas Street,
Arlington, Virginia 22203,
U.S.A.

Great Lakes Bureau (1950-1980) Est. in Santa Teresa Angola - Roma Santa Maria della Vittoria Capota Capota Capota Capota in occasione del 100° anniversario della morte del grande studioso e scrittore italiano.

April 25th 1985.

This is our reply to your report dated Nov., 11th 1984. You heard our Italian broadcast beamed by CALANISSETTA, Sicily, from:
07.00 GUT; 41.81 m 7175 kHz.
Thank you for your report. Accept our best wishes, please.

CLANDESTINE: Radio Iran 9400 ltr. in 17 ds. for 1 IRC.

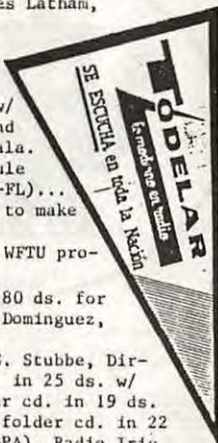
- * Addr: 17 Boulevard Raspail, 75007 Paris, France.
- * (Darling-PNG). Radio Halgan 9590 postcard in 69 ds. for 1 IRC, v/s A. Rashid A. Sed. Addr: P.O. Box 1686, Addis Ababa, Ethiopia. (Darling-PNG).

COSTA RICA: Radio for Peace International 7375 f/d cd.

- * w/ ltr. in 26 ds. for ms. Schedule rcvd. 900 watts. Report was sent to the Oregon address - reply came from Costa Rica. (D'Angelo-PA). 7380 f/d cd. in 2 mo. w/ ltr. for 3 IRCs. v/s James Latham, Station Manager. (Kusalik-ALB).
- TIFC 5055 n/d cd. in 1 mo. w/ pennant and schedule. (Topoleski-PA).

CUBA: Radio Rebelde 5025 p/d cd. w/

- ltr. in 84 ds. for a SP rpt. and 2 IRCs. v/s Jorge Luis Mas Zabala. (Paszkiwicz-WI). cd. w/ schedule and pennant in 148 ds. (Bishop-FL)...
- This was one of the few Latins to make



it to the Philippines while I was stationed there.

CZECHOSLOVAKIA: Radio Praha 21705 cd. in 96 ds. for a report of the WFTU program. (Darling-PNG).

DOMINICAN REP: Radio Amanecer 6025 prepared cd. w/ n/d form ltr. in 80 ds. for a SP rpt. and ms. v/s Fidel Ferrer, Director (ltr.) and Socrates Dominguez, Engineer (prepared cd.). (Wilkins-CO).

ECUADOR: HCJB 9875 f/d "Galapagos Islands" cd. in 35 ds. v/s Roger G. Stubbe, Director of Broadcasting. (Rubin). 9870 f/d "Chimborazo Mountain" cd. in 25 ds. w/ schedule. (Davisson-OH). Radio Jesus del Gran Poder 5050 f/d folder cd. in 19 ds. for a SP rpt. and US \$1.00. (D'Angelo-PA). Radio Zaracay 3395 f/d folder cd. in 22 ds. for a SP rpt. and ms. v/s Elssy Cun C., Secretaria. (D'Angelo-PA). Radio Iris 3381 f/d prepared cd. w/ ltr. in 19 ds. for a SP rpt. and ms. (D'Angelo).

MINISTRY OF INFORMATION AND BROADCASTING
Telephone: 334567
Telegrams and Cables: "VOKENG" Nairobi.

P.O. BOX 30456, NAIROBI

VOICE OF KENYA
FROM THE STATION ON THE EQUATOR

QSL

Ref. No. 112 Date 26/2/86

We confirm with pleasure your reception report of our transmission in ENGLISH on the 9725 at the following times: 1600 1640 GmT

The transmission was carried on GENERAL SERVICE and this was our NEWS/MUSIC/EDUC programme.

You may like to listen to our other transmissions carried on Kilohertz:-
4913/7140; 4934/7210; 4804/7125; 4885/7240; 4950/7150;
4855/7295; 9645/11765. 7135/9635 5245/11740
7220/9725, 6090/11995.

Please contact Gordon Edwards of type A
ANTHONY J. EDWARDS
117 WESTERN HAVEN KAREN
DENTAL WORKSHOP M.L.E.

Broadcasting House, Nairobi; Kenya
Short-wave Transmitting Station, Nairobi; Kenya

Notes: First of all, congratulations go out to Mr. Richard D'Angelo for being elected to the SPEDX Board of Directors for a 2 year term. Should be an interesting experience. Rich hopes that QSL activity picks up soon. They are far and few between. Harold Cones reminds everyone about the shortwave DX net on 7240 khz every Sunday at 1400 UTC. I'll be listening... Sam. Father John Eckert has verified his 100th country (Cameroon). He says he feels like a "pro" since he is only using a GE World Monitor for a receiver! That's what its all about!... Sam. A new contributor, Gordon Edwards in Ohio asks about our deadline. I really don't have one. Just send in your reports. They will all get in. Also received very nice correspondence from John Topoleski and Paul Brouillette.

EGYPT: Radio Cairo 9475 f/d cd. w/ sticker and schedule in 264 ds. (Topoleski-PA).

Confirmando nuestra sintonía en los 5050 Khz el día 16 de Noviembre de 1987 de 05:10 a 05:38 horas GMT. Agradecemos su informe de recepción y deseamos paz y bien para Ud. y todos los que le rodean.

Quito 26 de Noviembre 1987

RADIODIFUSORA

"*Gracia del Gran Poder*"
QUITO - ECUADOR

via Richard D'Angelo

Emisoras Jesús del Gran Poder, desde San Francisco de Quito, Capital de la República del Ecuador, ciudad joya de arte colonial en la cima de los Andes y en la mitad del mundo.

Gracias por su amable carta y óptima sintonía. Esperamos tenerlo siempre como oyente y como amigo.

Thanks for your kind letter and good report. We hope to keep you always as a listener and as a friend.

Atentamente: P. JORGE FARIQUEZ Apartado 133 - Quito-Ecuador
Teléfono 513-077

NOTES: First of all I want to thank everyone for the beautiful holiday greeting cards that they sent. It was very much appreciated...Sam. I want to remind everyone about the shortwave net that meets every Sunday 1500 UTC on 7240 khz. Give a listen. You'll love it! Harold...can we call in tips while the net is in progress? Also received a very nice letter from Captain (can you believe it?) Gerry Bishop USAF in Niceville, FL. He needs help in getting a Radio Medi-Un QSL. Anyone got any good tips? Gerry...I've got an old photo of you with long hair and a head band. I think I'll run it next issue. Hi! Speaking of the Air Force, Rich Arland just moved from VA to PA as part of his retirement from the USAF. He has been an active SWL and DXer for about 30 years. He has decided to start QSLing and taking advantage of the fine award program offered by FRENEX.

EQUATORIAL GUINEA: Radio Nacional Bata 9553 f/d prepared cd. in 11 ds. for an SASE. This * was for their "Words of Life" program via Louisville, KY (Evans-TN)...see Rio MUNI
EUROPEAN RUSSIA: Radio Moscow 7420 via Moscow f/d "Bolshoi Theatre" cd. in 42 ds. (Evans). 12020 same cd. in 2 mo. w/ beautiful pennant. v/s Mrs. Tanya Lavrova, World Service Letters Dept. (Eckert-PA). 15360 cd. in 45 ds. (Darling-PNG). 12055 via Armavir f/d "Lenin Library" cd. in 49 ds. (Archer-NC). 17625 same cd. in 49 ds. (Archer). 17645 cd. in 49 ds. (Archer). cd. in 45 ds. (Darling-PNG). 15110 via Kazan f/d cd. in 45 ds. (Darling-PNG). f/d "Dzerzhinsky Square" cd. in 49 ds. (Archer-NC). 15490 via Serpukhov f/d cd. in 49 ds. (Archer). 13690 via Tula f/d cd. in 49 ds. (Archer). 15490 f/d cd. in 49 ds. (Archer).

Thank you for your RFP! reception report on Nov. 10, 1987 at 0125-0134 GMT on 7.375 MHz band in Spanish English. We agree with our log. RFP! depends entirely on private donations, program fees and listener support. Your support can make a difference.

RFP! is a project of World Peace University P.O. Box 108, Sweet Home, OR 97268 USA, and University for Peace P.O. Box 88, Santa Ana, Costa Rica.

Stamp

To
Richard D'Angelo
2216 Burkay Drive
Wyomissing, PA 19610
USA

FALKLAND ISLANDS: FIBS 3958 prepared cd. w/ personal ltr. and a 10 page broadcast schedule in 61 ds. for an SASE (used), an SWL pennant and a postcard. v/s Ann Clemence, Broadcast Secretary. Already QSLed via BFBS-UK but it just isn't the same! (Archer-NC).

FERNANDO POO: Radio Malabo 6250 f/d ltr. w/

* religious business cards in 1 mo. after many f/up rpts. in SP/EC. v/s Gene Triggs-Fulton, Director of Radio Africa. (Kusalik-ALB).

FRENCH GUYANE: Radio France International 9800 via Montsinery cd. in 56 ds. (Darling-PNG). GABON: Africa No. One 4830 n/d green/white "Logo" cd. in 416 ds. for a FR rpt., tape, ms, in 97 ds. (Darling-PNG). Swiss Radio International 9625 via Moyabi cd. (Evans-TN).

GEORGIAN SSR: Radio Station Peace and Progress 9795 via Tbilisi (per RDI) cd. in 66 ds.

GERMANY, FEDERAL REP. OF: VOA 3980 via Munich f/d cd. in 8 ds. (Renfrew-NY).

GREECE: Voice of Greece 9395 f/d "The Bouleuterion from the West" cd. w/ schedule in 27 ds. for 1 IRC. (Morby-NY).

GUAM: KSDA 11700 cd. w/ pennant and schedule in 43 ds. for 1 IRC. (Darling-PNG). 11980 f/d "Trumpets" cd. in 36 ds. for ms. Schedule and pennant rcvd. (Wilkins-CO).

GUATEMALA: Radio Buenas Nuevas 4800 n/d ltr. w/ postcard in 40 ds. for a SP rpt. and ms.

* v/s Israel Rodas, Sub-Director. Station says they are running 250 watts to an antenna strung between two trees. (Wilkins-CO).

HONDURAS: HRVC 4820 cd. w/ ltr. and new pennant in 30 ds. for 2 IRCs. (Rhyne-NC).

COMMITTEE TO PRESERVE RADIO VERIFICATIONS:

Why not make a resolution for the New Year to assist this fine organization? For further information please contact Jerry Berg their Chairperson....Sam.

RADIO FOR PEACE INTERNATIONAL



An international voice reaching out with a helping hand in friendship.

NOTE: Received a very nice letter from Frank Decker of Syracuse, NY. He sent copies of photographs from station WENJ 1620. This was for a November 87 reception while the station was running 150 watts. Thanks Frank. Also received a letter from John Topoleski in Philadelphia, PA. He has just gotten back into the hobby and has a ton of reports outstanding (when you get them - please send them in...Sam.). He also sent along several photocopies of VOA and RBT First Day Covers. Thanks John.

HONDURAS: HKPC Radio Luz y Vida 3250 f/d form ltr. in 255 ds. for 1 IRC and ms. v/s Donald Moore, Manager. (Morby-NY). La Voz de la Mosquitia 4910.4 p/d ltr. w/ personal ltr. in 6 ds. for an SASE (not used) v/s Rev. Jack Meeks. I reported to the "Bread of Life Victory Hour Program", Box 3555, Huntsville, AL 35810. (Allen-OK).

HONG KONG: BBC East Asia Relay Station 11820 n/d cd. in 57 ds. in rpt. to London. Nothing yet from H.K. (Evans-TN). 7260 rcvd. new BBC relay station cd. in 30 ds. v/s D.J. Corbett. (Radtker-CA). 7180 n/d cd. in 24 ds. (Buer-FL). n/d "Satellite Dish" cd. in 422 ds. (Archer-NC). p/d "Hong Kong postcard" w/ site in 26 ds. for US \$1.00 direct from site. v/s Phil Sandell. (Allen-OK). 7160 n/d cd. in 3 wks. (Field-MI).

HUNGARY: Radio Budapest 9835 via Jaszbereny f/d cd. w/ schedule in 43 ds. (Kacir-MI). 6025 f/d "Costume" cd. in 1 mo. (Kacir-MI).

JAPAN: Radio Japan 6120 (should be under Canada via Sackville) f/d "Autumn in Ancient Capital, Kyoto" cd. in 24 ds. (Rubin-NY). f/d cd. in 10 ds. (Eckman-CA). 15300 p/d "Tokyo by Night" cd. in 16 ds. w/ schedule. (Topoleski-PA). JJY 8000 f/d colorful "Geisha Girls" cd. in 18 ds. for SASE. (Archer-NC).

JAVA: RKPKDT2 Lumajang 3239 f/d prepared cd. w/ personal ltr. in 44 ds. for an IN rpt. * and ms. v/s Su'ud Wibisono, Kepala. Ltr. states only 150 watts into a longwire antenna. My first non-RRR QSL. Very happy w/ QRP! (Allen-OK).

KOREA, DEMOCRATIC PEOPLES REP. OF: Radio Pyongyang 11735 f/d cd. in 3 mo. after a f/up rpt. Postcards, pennant and pin rcvd. (Wallace-MA).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Ducksoo Palace" cd. in 25 ds. w/ travel brochures and schedule. (Morby-NY). f/d "1988 Seoul Olympics" cd. in 30 ds. (Rubin-NY). (Archer). **KIRCHITZ SSR:** Radio Moscow 15500 via Frunze f/d cd. in 49 ds. **LIBERIA:** ELWA 4760 n/d cd. in 5 wks. w/ schedule. (Eckert-PA). VOA Monrovia 15600 and 17870 f/d White House cd. in 1 wk. (Weiss-OH).

MALI: Radio Beijing 9770 and 11715 via Bamako f/d cd. w/o site in 20 ds. (Renfrew). 11715 f/d "China Figurines" cd. w/o site in 25 ds. (Buer-FL). cd. in 16 ds. (Rubin-NY).

MANCHURIA: Heilongjiang PBS 4840 f/d "Temple of Heaven" cd. via Beijing w/ personal ltr. confirming site in 20 ds. Decal and schedule rcvd. (Eckert-PA).

MAURITANIA: ORTM 4845 p/d cd. in 31 ds. after many f/up rpt. in * FR for ms. and IRCs. v/s Lemrabott Boukhary. (Paszkwicz-WI).

MEXICO: Radio Huayacocotla 2390 p/d ltr. in 11 mo. after a f/up rpt. in SP w/ 2 IRCs. v/s Elvia Sanchez Alvarez. (Lare-MI).

MOZAMBIQUE: Radio Mocambique 3210 and 4865 2 separate f/d cds. in 35 ds. for a PT rpt. (D'Angelo-PA).

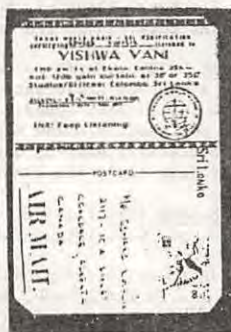
NEW IRELAND: Radio New Ireland 3905 f/d ltr. in 60 ds. for 1 IRC. v/s Kathleen Sakias, Assistant Manager. (Van Horn-FL).

NORWAY: Radio Norway International 15310 via Sveio #9 in a series of Kvitsoey curtain array cds. in 30 ds. for 2 IRCs. (Kusalik), same cd. in 40 ds. (Davisson-OH). 11850 f/d "Childrens Bridal Procession" cd. in 36 ds. w/ schedule and a large sticker and station brochure. (Morby-NY).

OMAN: BBC 11955 n/d "Bush House" cd. direct from London for a rpt. to the site in 4 mo. v/s D.J. Corbett, Chief Engineer of External Broadcasting. (Wallace-MA).

PAPUA NEW GUINEA: Radio Enga 2410 * f/d ltr. in 2 mo. for ms. v/s Gabreil Paiao. (Kusalik-ALB).

RÁDIO MOÇAMBIQUE Caixa Postal (P.O. Box) 184 MAPUTO MOÇAMBIQUE			
Temos a prazer de confirmar we have pleasure in confirming a recepção de energia de vossa your report on reception of: 12/11/87 na frequência de 4.865 KHz Frequency of 4.865 KHz Potência de Emissor Transmitter power: 25 KW Observações Remarks: We thank you for report of our SW-transmission in Maputo.			
RICHARD A. D'ANGELO 2216 BUREY DRIVE WYOMISSING, PA 19610			



QSL For, Para: RICHARD A. D'Angelo

We are pleased to confirm your reception report of our transmission on the
 QSL Frequency of 4850 KHz. on _____ between _____ and _____ hours
 QSL Confirmamos su reporte de recepción de nuestra transmisión en la frecuencia
 QSL de 4850 KHz., el día: 5-11-87 entre las: 22:30 y 23:36
 QSL horas (hora venezolana). GRACIAS. Y. VISAJUDOSI

QSL **Capital**
 QSL GERENTE DE PRODUCCION
 QSL AV. FRANCISCO DE MIRANDA, CENTRO COMERCIAL LOS RUICES, 3º PISO - LOS RUICES
 QSL TELÉF.: 36.70.33 - 36.78.97 - CARACAS, VENEZUELA

Duksoo Palace in Seoul



PERU: Radio Marginal 4039 2 prepared cds.
 * w/ ltr. in 35 ds. after a f/up rpt.
 in SP w/ ms. v/s Alvaro Rojas Balbuena, Dept. Tecnico. (Wilkins-CO).
 Radio Tropical 4936 p/d cd. w/ small cloth pennant in 27 ds. for a SP rpt. tape, ms. and US \$1.00. (Kasiwabarua).
 PHILIPPINES: VOA 9670 f/d "Challenger" cd. in 1 wk. (Weiss-OH).
 POLAND: Radio Polonia 7270 f/d cd. w/ stickers in 62 ds. (Levison).
 PORTUGAL: Radio Portugal 9680 cd. w/ schedule in 25 ds. (Rhyne-NC).
 RIO MUNI: Radio Africa International 9553
 * f/d prepared cd. w/ ltr. in 1 mo. (Kusalik-ALB).

SAO TOME: Radio Nacional 4807 ltr. in 46 ds. for a PT rpt. (Hyson-NC).
 SICILY: RAI Radio Due 7175 via Caltanissetta f/d cd. in 105 ds. for 2 IRCs. (Davis-NM).
 SOLOMON ISLANDS: SIBC 9545 white "Logo" cd. in 27 ds. for 2 IRCs. (Eckman-CA).
 SOUTH AFRICA: Radio RSA 11900 f/d "3 Zebras in a Field" cd. in 15 ds. (Rubin). same in 17 ds. (Eckman). 11730 same cd. in 18 ds. (Levison). Radio Oranje 3215 f/d "SABC" cd. in 40 ds. (Renfrew-NY).
 SPAIN: Radio Exterior de Espana 11880 f/d "V Centennial of the Discovery of America, EXPO-92 - Sevilla (La Giralda)" cd. in 42 ds. (Rubin-NY).
 SPANISH MOROCCO: Radio Mediterranee Internationale 9575 n/d ltr. in 53 ds. after a f/up rpt. in FR for US \$1.00. Sticker and schedule rcvd. (Buer-FL). form ltr. in 2 mo. for a FR rpt. v/s C. Thuret and J. Dryk. (Kusalik-ALB).

Scenic view of Yoido area as seen from Bamsung islet in the Han River.



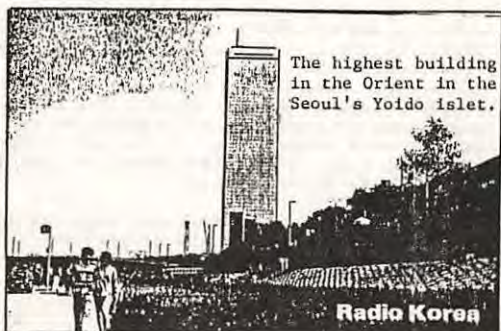
SRI LANKA: TWR/Vishwa Vani 11820 f/d cd. * in 2 mo. for 3 IRCs. (Kusalik-ALB).
 TAIWAN: Voice of Asia 7445 f/d cd. in 1 mo. (Renfrew). f/d cd. in 6 wks. for ms. v/s Cathy Wang. (Wallace-MA).
 TANZANIA: Radio Tanzania 9684 cd. in 35 ds. (Hyson-NC).
 TOGO: RTVT 5047 f/d cd. in 35 ds. for a FR rpt. and 1 IRC. (Renfrew).
 UKRAINE: Radio Kiev 7260 f/d cd. in 10 wks. w/ stamps. (Eckert). Radio Moscow 15225 via Vinnitsa cd. in 49 ds. (ARC-UNITED ARAB EMIRATES: Voice of her). the UAE 11865 p/d ltr. in 21 ds. for 1 IRC. (Buer-FL).

USA: WHRI 6095 f/d cd. in 3 mo. for ms. (Lare-MI). KVOH 17775 f/d cd. in 14 ds. w/ sticker and schedule. (Topoleski-PA).
 USA (Pirate): Voice of Free Long Island 7445 f/d ltr. in 3 wks. for ms. (Allen-OK). UA Express 7395 p/d ltr. in 23 mo. for ms. Addr: P.O. Box 2112, Johnson City, TN 37605 (Allen).
 UZBEK: Radio Tashkent 5945 f/d "Map" cd. in 16 mo. for ms. v/s Mr. Djura Melik. (Foxx-VA).
 VENEZUELA: Radio Capital 4850 f/d cd. in 38 ds. for a SP rpt. and ms. v/s Manuel Correa. Sticker rcvd. (D'Angelo-PA). La Voz de Carabobo 4780 f/d prepared cd. in 1 mo. for a SP rpt. and US \$1.00. v/s Jargo Salazar R., Venezuela DX Club. (Kusalik-ALB).
 VIETNAM: Voice of Vietnam 15010 f/d cd. in 6 mo. after a f/up rpt. Schedule and a small pennant rcvd. (Weiss-OH).

I guess that makes another QSL Column. Very glad to have a few more reports this time. Looks like it is beginning to pick up a bit.

Best of QSLing.....

Sam



The highest building in the Orient in the Seoul's Yoido islet.



FRENDX LOG REPORTERS

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

FRENDX LOG REPORTERS ***** FEBRUARY 1988 ISSUE **** DEADLINE - 12th of MONTH

Brian ALEXANDER, Mechanicsburg, PA.; Raymond BAUERNHUBER, Rosedal, NY. (ICF2010); Paul BROUILLETTE, Hoffman Estates, IL. (R71A); Paul BUER, Miami, FL. (SPR-4); Richard D'ANGELO, Wyomissing, PA. (R70); Peter DILLON, GREECE, (DX-400); Gene EASTMAN, Huntsville, TX. (ICF6800W); Richard ECKMAN, San Jose, CA. (RF4900); James EVANS Jr., Germantown, TN. (R71A); Jim FEELEY, Norcross, GA. (R2000/ICF2010); John FIGLIOZZI, Clifton Pk., NY. (ICF2010); Tom GAVARAS, Minnetonka, MN. (R70); Arthur HANKINS, Greensburg, PA. (R1000); Harry HELMS, San Diego, CA. GERALYN HOLLERMAN, Huntsville, AL. (DX302/DX65); Hans JOHNSON, Savannah, GA. (R71A); Greg JORDAN, Gastonia, NC. (R2000); Rufus JORDAN, Pittsburg, PA. (DX302); Alan LAVES, Dallas, TX. (R-390A); Andy LESKOWITZ, Leominster, MA. (DX302); Harold LEVISON, Philadelphia, PA. (R70); Henry LOEWER II, Mayfield Hts., OH. (SWG0); David MORBY, Clifton Park, NY. (R71A); James MULVEY, Winchester, MA. (TS940S); Dale PARK, [traveling], ICF6700W/ATS803; Sheryl PASZKIEWICZ, Manitowoc, WI. (515) John PRATH, Ft. Lauderdale, FL. (R71A); Wally RHYNE, Gastonia, NC. (R71A); Chuck RIPPEL, Virginia Beach, VA. (NRD525); Andrew RUGG, Quebec, CAN. (R390/R71A); Daniel SAMPSON, Black River Falls, WI. (R1000/DX400/ATS803); Roland SCHULZE, Stuttgart, W. Germany (R5000/R70); David SHYDER, Staten Is., NY. John TOPOLESKI, Philadelphia, PA. (RF2900); John TUCHSCHERER, Neenah, WI. (R70); Jim UERLINGS, Klamath Falls, OR. (NRD525); Steven WALLEY, Moreno Valley, CA. (2010);

37 Reporters this time around, THANKS to one and all, good to see some of the newer members and some re-joining older ones showing up here this month.

Reporter Dale Park is traveling in the USA and submitted some nice logs from his portable monitoring. GERALYN Hollerman also was traveling and took her portable along to provide some interesting loggings as well. Nice to hear from our members who travel and log new and different stations while on the move.

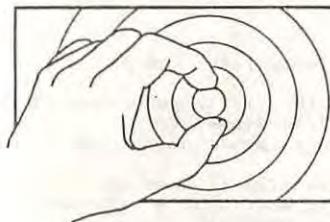
Contributor Jim Feeley of Norcross, GA. submitted something that there is no specific column for, so here is Jim's report of MW Station; Freq. 1040, AM Bcast, Radio Moscow programs broadcast from CUBA at 2305utc. Program was World News. Some interference from "WHO" Des Moines, Iowa. Jim reports that the R.Moscow signals almost completely covered sta. WHO. Some mention made of Tampa, FL. complaining interference to WHRO as well. Thought some of you MW listeners might enjoy this one and give it a try.

Those of you writing in with letter containing questions or seeking information please bear with me, I have been catching up as best I can and as time permits I will hopefully answer each and every single question asked and supply whatever information I can or tell you where to write for answers or ideas. Its done each month as time permits folks, so PLEASE be patient.

Anyone out there interested in the SWL FEST to be held Feb.13-14th in Willow Grove, PA. should get their reservations in before you get this in FRENDX. I will try and get there and hope to see a good turnout. Chuck Rippel and the ODDX crew are involved so it should be a good time for one and all, no matter where your interests lay in the SWL Hobby, MW/SWNC/UTE or whatever. These ODDX folks really do know how to put on a festival from what I hear. No guarantees on WX, but Chuck tells me that they have permission from Motel management to erect antenna systems on roof prior to Festival, that should be even more interesting. If you are withing commuting distance or feel like a getaway trip in Feb. this could be just the thing for you. Hope to see a lot of folks there if I can.

That is all from here for this month my friends. Hope everyone has a milder weather pattern than we are having here in the Northeast, if its not snowing, its well below freezing, especially with high cold winds on top of it all. Till next month, take care and good listening.

Best Regards John



LOG REPORT

section A

2000 to 4899 kHz

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

- 2360 GUATEMALA. R. Maya de Barillas. 1046-1129. SS. Xmas mx, frequent ID's. (12/12 D'Angelo-PA)
- 3200 SWAZILAND. TWR. 0304. Swahili. Religious mx. (9/12 Leskowitz)
- 3204 JAVA. RRI Bandung. 1538. Indo. Vocal mx. (7/12 Uerlings)
- 3210 MOCAMBIQUE. RM. 0320. PT. African mx, OM talk. (7/12 Leskowitz)
- 3231 INDONESIA. RRI Bukittinggi. 1544. Indo. Ad's. Lennon mx. (7/12 Uerlings)
- 3240 SWAZILAND. TWR. 0322. Vern. Religious pgm. (3/1 Leskowitz)
- 3245 PAPUA NEW GUINEA. R. Gulf. 1215. Top 40 pgm. (17/12 Rippel)
- 3264 JAVA. RRI Bengkulu. 1552. Indo. Pop vocals. (7/12 Uerlings)
- 3270 SOUTHWEST AFRICA. SWABC. 0337-0400. EG. EZL mx. (ND-Tuchscherer)
- 3274 VENEZUELA. R. Mara. 0958-1045. NA, ID, & S/on anmt, brief mx bits until xmas feature. (23/12 D'Angelo-PA)
- 3279 ECUADOR. LV del Napo. 1054-1103. SP. Personal msgs. (22/12 Tuchscherer)
- 3286 ECUADOR. R. Tarqui. 1106. SP. MX, TC, ID. (22/12 Jones-MS)
- 3300 GUATEMALA. TGNA. 0300-0400. EG. Bible pgm. (6/1 Morby); @ 0318-0332 with religious prm. (16/12 Rugg-QUEBEC)
- 3306 ZIMBABWE. ZBC. 0335. Vern/EG. Rock MX pgm. (11/12 Leskowitz)
- 3325 PAPUA NEW GUINEA. R. No. Solomon. 1338. US rock and CW mx, anmts, closing anmts @ 1358. (2/1 Lakes-TX); @1220 (6/1 Figliomi-NY)
- 3339 PERU. R. Altura. 1001-1035. SP. OA anthem, ID, anmts, farm and cow noises @ 1030. (18/12 D'Angelo-PA)
- 3355 INDIA. AIR Kuresong. 1513. EE. Promotion of USSR Festival, classical music //4860. (7/12 Uerlings)
- 3360 PAPUA NEW GUINEA. R. Milne Bay. 1220. Long talk by OM. (13/12 Rippel)
- 3370 PERU. R. Lircay. 0309-0342. SP. Talk in SP by OM, mx from 0312, & beautiful flute mx at 0328. (12/12 Tuchscherer)
- 3375 ANGOLA. RN. 0150-0215. FR. Af' pops, talk. (27/12 Alexander-PA)
- INDIA. AIR Gauhati. 1516. Hindi. //4860, 3355. Mx. (7/12 Uerlings)
- 3395 SUMATRA. RRI Tanjung Karang. 1635. Indo. Pop/Rock mx. (21/12 Uerlings)
- 3925 JAPAN. RCI via NSB. 0844. JP. "Canada This Week". (19/12 Park-HI)
- 3955 SOUTH AFRICA. R. Orion. 0135-0210. EG. MX pgm, ID. (4/1 Morby)
- 3985 SWITZERLAND. R. Boijing relay. 2240-2245. EG. Talks w/ID. (17/12 Buer) @ 2240-2300. EG. News, features. (5/12 D'Angelo-PA)
- 3995 FR GERMANY. DW. 0034-0040. GG. Orch. mx, ID. (9/12 Brouillette)
- LESOTHO. BBC. 0545. EG. ID, MX. (9/12 Eckman-CA)
- 3999 GREENLAND. Gronlands Radio. DK. 0957-1028. IS per WRTH @ 1000 YL said a few words, brief mx. (31/12 Archer-NC); @ 1143-1231 w/pop mx and drama, IS at 1229. (28/12 Rugg-QUEBEC)
- 4039 PERU. R. Marginal. 1047. SP. Full ID. (26/12 Jones-MS)
- 4460 PERU. R. Nor Andina. 0311-0343. SP. LA songs, talk. (ND-Tuchscherer)
- 4472 BOLIVIA. R. Movima. LA songs, talk, MX. (12/12 Tuchscherer)
- 4485 USSR. Petropavlosk. 1015. RR. "Hello Dolly" in RR!! (29/12 Jones-MS)
- 4495 PERU. R. Contumaza. 1028. SP. ID with echo box effect, mx. (21/12 Jones/MS)
- 4588 ARGENTINA. R. Rivadavia. 2240-2314. SP. Commercials, many ID's "Desde Buenos Aires, Republica Argentina, transmite LSS, Radio Rivadavia, en 630 KHz.". (26/12 Archer-NC)

- 4649 BOLIVIA. R. Santa Ana. 0256-0323. SP. All LA songs, ID. (28/12 Tuchscherer).
- 4712 BOLIVIA. R. Abaroa. 0212-0246. SP. LA songs, ID. (17/12 Tuchscherer)
- 4725 BURMA. BBS. 1200. Burmese. SEA music, ID. (12/12 Rippel-VA)
- 4753 CELEBES. RRI Ujung Pandang. 2122. Indo. Mixed mx pgm, in most after-
noons, peaking at 2138. (19/12 Keskowitz)
- 4760 LIBERIA. ELWA. 0624. EG. "Good Morning Liberia". (26/11 Wack-VA)
- 4770 NIGERIA. RN-Kaduna. 2153. EG. Ad's, mx. (24/12 Wack-VA); @ 0435-0457
w/Islamic and Christian prayers. (12/12 Dillon-GREECE)
- 4783 MALI. RTVM. 0620. FR. ID then afro mx. (12/12 Evans-TN)
- 4785 AZERBAIJAN SSR. R. Baku. 0652. RR. Rock mx, kids pgm. (12/26 Uerlings)
- TANZANIA. RT. 0430-0500. Swahili. Mid-east type mx, vocals, ID and
some talk. (9/12 Jordan-PA)
- 4790 PERU. R. Atlantida. 1055-1031. SP. Vocal mx, talk. (29/12 Rugg-QUEBEC)
@ 0439 w/ LA pops and vocals. (13/12 Figliozzi-NY)
- 4795 BOLIVIA. R. Nueva America. EG. Tuned in just in time to catch EG S/
off, OM anncr with USA accent. (5/1 Jones-MS)
- 4800 GUATEMALA. R. Buenas Nuevas. 1132-1220. SP. Many ID's. (2/1 Archer-NC)
- INDIA. AIR Hyderabad. 1220-1250. EE. Mixing with Buenas Nuevas, gray-
line brought them on top by 1220, ID. (2/1 Archer-NC)
- LESOTHO. RL. 2136-2200. EE. Sermon. (20/12 D'Angelo-PA)
- 4810 GALAPAGOS. LV de Galapagos. 0032-0200. S/off includes "Amazing Grace
then OM w. "HCVG8, Radiodifusora La Voz de Galapagos", followed by
NA. (4/1 Archer-NC)
- 4815 BURKINA FASO. RTVB. 0600. FR. NA, S/on. (6/12 Snyder-NY) @ 0625 w/
afro pops and talk. (13/12 Evans-TN)
- 4818 INDIA. AIR Calcutta. 1527. Hindi. YL singing, ID. (27/12 Uerlings)
- 4820 HONDURAS. LV Evangelica. 0420. EG. Religious pgm. (22/12 Mulvey-MA)
- 4825 PERU. LV de la Selva. 1045-1105. SP. Folk mx, ID's. (28/12 Topoloski)
- 4835 PERU. R. Maranon. 1029. SP. OM/YL anncrs, ID. (5/1 Jones-MS)
- 4840 ECUADOR. R. Interoceania. 0153-0207. SP. Mx and talk, fair with the
absence of R. Valera. (26/12 Tuchscherer)
- 4845 COLOMBIA. R. Bucaramanga. 0345-0500. SP. LA pops, ballads, carnival/
festival songs. (3/1 Jordan-PA); @ 0435-0445 (20/12 Archer-NC)
- MAURITANIA. RTVM. 0634. AA. Koran recitation. (12/12 Evans-TN)
- 4850 CAMEROON. RC-Yaounde. 2102-2120. EG. News, ID. (13/12 D'Angelo-PA);@
0522 in EE. (25/11 Wack-VA); @ 2205 in FF w/news. (29/12 Rugg-QUEBEC)
- 4853 YEMEN. R. San'a. 0344. AA. Arabic mx. (3/1 Leskowitz)
- 4860 INDIA. AIR Delhi. 1240. Hindi. ID, anmt. (25/12 Leskowitz); @ 1541
with local news. (19/12 Uerlings)
- 4870 BENIN. V. of Revolution. 2250. FR. Vocal mx. (22/12 Uerlings)
- ECUADOR. R. Rio Amazonas. 0402. SP. ID and mx. (20/11 Jones-MS)
- 4880 KENYA. VOK. 0310. Swahili. Afro mx, talks. (31/12 Evans-TN)
- 4890 PAPUA NEW GUINEA. NBC. 1211. EG. Talk about social problems in PNG.
(13/12 Figliozzi-NY)
- SENEGAL. ORTS. 2307-2359. FR. Vocals and talk. (8/12 D'Angelo-PA)

Well, that's it for this month. A belated HAPPY NEW YEAR to all. A USPS
Gremlin meant no column last month. A nice selection this time around, lets
see it again next month. Please dont forget to include date monitored and
your name. This should go without saying but I still receive some every
month. CU in about 30.



LOG REPORTS

section B

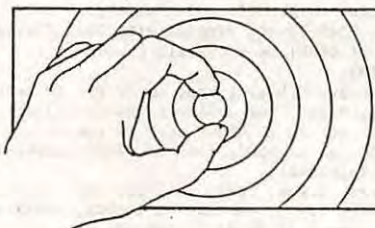
4900 to 6199 kHz

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

- 4900 EGYPT Cairo, Genl AR Syc 0500 12-13, ID, nx, jammed after 0505 (Dillon-GREECE).
- 4902.5 SRI LANKA? Indian mx 12-13, chimes 0500, fair sig (Figliozzi-NY). Egypt? JB.
- 4903 CHINA Beijing, CH talk, poor at 1905 12-6, supp. 10 kw from 2000; also hrd on 4905 at 2227 12-6, talk, drifted from 4903 (Snyder-NY).
- 4904.5 CHAD N'djamena, FR ID 0514, odd bagpipe-like mx, fading badly (Eckman-CA); poor at 0540 12-12, man talking (Evans-TN); tent. them 0525 1-2, group singing, talking, seeming mention of N'djamena 0530; rushing noise caused much QRM (Eastman-TX).
- 4910 HONDURAS LV de la Mosquitia, relig.hymns 0140 12-23, SP, then into EG religious svc; overall good signal (VanHorn-FL).
- 4910 ZAMBIA Lusaka, fish eagle IS 0349 1-3, ID, choral hymn, several "R. Zambia" IDs, sked, fgy, into hi-life mx (Leskowitz); vernac.at 0403 12-11, presumed nx, ID 0410, Afr mx, QRM from unid.OC 0430, fading by then (Archer-NC); EG nx 0500 12-28, poor (Ihnye-NC).
- 4911 PERU R. Tawantinsuyo, local SP mx, taped ID by gal played at 1048 and 1056, poor signal overall on 12-6 (Laves-TX).
- 4915 GHANA Accra, EG nx by gal, fair at 0604 on 12-27 (Snyder-NY); 0604 12-25, local nx about hospitals and Ghana tourist board, ID 0607, very good sig (Eastman-TX); home nx by man in EG at 0613 12-13, fair signal overall (Evans-TN).
- 4918 CHAD N'djamena, 12-3 and -5, 1758-1920, ID, political talks, Afr folk mx, ID as R. Chad and //4904 (Schulze-GFR).
- 4920 AUSTRALIA ABC-Brisbane, EG at 1205 12-6, many ABC IDs, nx to 1210, interview prgm to 1239, some Jim Morrison mx, into pop mx; clean IDs but not too intelligible (Archer-NC); light instr.mx at 1235 1-6 (Figliozzi-NY); poor with country mx at 1235 12-10, and very poor at 1950 12-6 with a story of some sort (Snyder-NY); 1251 1-2 with jazz prgm, male host, featuring Dizzie Gillespie (Brouillette).
- 4925 USSR RM, site unknown, EG here 2200, //4995; nx, Kremlin bells, WS, fair 12-22 (Schulze-GFR).
- 4927 INDONESIA RRI-Jambi, 2243 12-22, fair with ID, talks, slow instr.mx, popular GFR). mx, SCI IS, nx; surprising sig (Schulze-GFR).
- 4930 HAITI Tent. 4928 2103 12-22, fair in SP, relig.format, maybe ID; unclear audio (VanHorn-FL).
- 4930 USSR Unid. stn with female in RS at 0502 12-13, fair signal (Figliozzi-NY).
- 4932 NIGERIA Lagos at 0513-0600, EG talk abt Xmas, nx, ID, TC, YG modul 12-22 (Schulze-GFR).
- 4935 PERU R. Tropical, SP at 0545 1-1, man talking, ID (Uerlings).
- 4940 IVORY COAST Tent. Abidjan, FR and vernac at 0625-0644 1-2, Afr hi-life mx, fgya in FR at 0639, no ID discerned (Eastman-TX).
- 4940 UKRAINIAN SSR Seemingly Kiev, 0514 12-10 in Ukrainian maybe, unfamiliar (to me) IS, nx, polka and jazz mx, IS 0544, nx 0545, more folk-type mx 0552 (Figliozzi-NY).
- 4945 COLOMBIA Caracol Neiva, hrd at 0950-1015 on 12-22 in SP, nx, Xmas amts (Topoleski).
- 4950 SARAWAK Kuching, hrd 1355 on 12-24, EZ lating mx, pips at 1400 then man in EG with ID as R. Malaysia, into nx; still readable at 1430--love that winter solstice--but poor overall (Laves-TX).
- 4952.6 ANGOLA R. Nacional, fair at 0225-0245 on 1-12, prgm of various kinds of mx, //3375.7 (good), 3354.6 (fair) (Howard-CA).
- 4957 MADAGASCAR Tananarive, hrd 0226 1-4 with rock mx in heavy ARO QRM, ID by gal at 0230, //3287 better (Leskowitz).
- 4973.5 CLANDESTINE LV de Resistencia de Galo Negro, 0328 in PT on 12-23, fair signal with IS, rooster crows, anthem-like melody, ID, into QRM (VanHorn-FL).
- 4975 COLOMBIA Ondas del Ortegua, lively talk and mx at 1108 12-16, ID, TC, mentions of names of the singers, ad string at 1131; fair signal (D'Angelo-PA).
- 4976 UGANDA Kampala, 2123-2133* on 12-31, EG home service, speech on the economy, ID and fgya, NA to s/off (Topoleski).
- 4980 VENZUELA Ecos del Torbes at 0045 1-2, LA mx, ID 0050, ads, fair, no QRM (Bauernhuber).
- 4990 IRAN Tehran home service, audio fading in by 1300, ME mx, apparently Farsi language, trumpets or tones 1330, maybe nx, then Koran 1340; poor at peak, unable to catch ID but //15084 (fair), nothing on 9022; regularly 12-19 through 1-3 (Laves-TX). Vocals 0226-0230, 3 bells or chimes, ID, fanfare, nx, clock ticks, fair, sig (D'Angelo-PA); IS at 0230, amts, nx, //9022 12-14 (Johnson-GA); Koran over Yerevan 0246 12-7, then under RSA 0256 s/on; also Anosh-4991 QRM (Leskowitz).
- 4990 SOUTH AFRICA R. RSA with EG nx and sports 0412 12-13, fair signal (Evans-TN).
- 4991 PERU R. Ancash, VG at 0016 12-20 with songs, nx, ID; also hrd 12-16 0150-0253 (Tuchscherer); fair 0155 12-23 with nx, ID, stn info and fgy, OA mx (VanHorn-FL).
- 4996 PERU R. Andina at 0955 12-12 with OA vocals, promo, TCs, occasional IDs, poor sig (D'Angelo-PA); 1045 on 12-21, fair with ads, ID, UTC-5 TCs, OA mx and vocals (Jones-MS); tent. them 0431 1-5, almost CM-sounding mx, SP, fair, didn't get ID, OC 0435 (Figliozzi-NY).

- 5980 MALTA IBRA Radio, relig. prgram 2109-2113, ID with Niagara Falls address, end of EG at 2115, 12-18 (Johnson-GA).
- 5980 USSR Petropavlovsk-Kamchatka listed, RM in RS 0930-1000 1-8, exc sig (Bowden-CA).
- 5980 YUGOSLAVIA Belgrade, EG nx abt Gaza 2215 12-25, good sig (Jordan-NC); end of EG nx 2219 1-3, ID, features, final ID 2228, organ IS, fanfare, into FR; fair sig (Laves-TX); R-TV Sarajevo prgm, IS and ID 2100 12-30, into presumed rx read by man (Johnson-GA).
- 5985 TAIWAN VoFC via WYFR, EG 0200-0300, ID, nx, cmtry, "ROC Today," good 1-2 (Loewer-OM).
- 5995 UNID. seemingly in AR, chanting 0215-0246 1-6, talking, more chants, 6 pips on the hour, hard to read ID because jammer beneath audible 0250 (Figliozzi-NY).
- 6000 BRAZIL R. Guaiaba, boring monologue to 0859 12-16, 2 IDs with QTH; poor (Laves-TX).
- 6000 USSR RM, Chita listed, EG 1230-1300 1-8, fair in EG (Bowden-CA); unknown site 0009 12-24, EG nx, ID, Moscow Mailbag, fair sig (Schulze-GFR); RM, 0310 EG 12-23 (Topoleski).
- 6015 AUSTRIA Vienna, hrd at 0447-0455 in EG on 1-11 with listeners letters, weak, and on 1-12 with sports nx, good sig that day (Howard-CA).
- 6015 IVORY COAST Abidjan, FR at 0555 on 12-20, good sig with drum IS and mx melody, FR choral NA at 0558, s/on ID, sked, quick nx tips (VanHorn-FL).
- 6015 NORWAY Oslo, fair-poor 1-12 0445-0520 after Vienna s/off; IS, IDs, gal annr in unknown lang, some mx (Moward-CA).
- 6015 ZANZIBAR Tentatively them, 1-1 with talk 0355, drums 0359, more talk with mentions of Africa, Uganda, gone by 0430; what happened to DW Arabic? (Buer-FL).
- 6025 DOM. REP. R. Amanecer, gal with ID 0057 12-28, choir singing (Eastman-TX).
- 6025 IRAQ Baghdad, AR mx to 2200, then AR nx, mx till 2300, more nx, western instrumentals, a few IDs, 12-12; also //5975, 5955 on 12-18 (Johnson-GA).
- 6025 PARAGUAY Asuncion, ID 2100 12-23, nx, chat and annts, fair sig (VanHorn-FL).
- 6030 W.GERMANY Sueddeutscher Rdfnk, GM nx 0700, religion, clas, mx, ID, 12-13 (Paskiewicz-WI).
- 6030 OMAN BBC Masirah, Turkish 2116 12-12 //9825, mx prgm, pops (Johnson-GA).
- 6035 CUBA Havana, 0929-0935 in SP on 1-3, IDs, nx (Topoleski).
- 6050 SARAWAK Sibn tentatively, very weak 1420 12-29, M4W talking, couldn't tell language, QRM splatter, but sounded like them; help! (Schulze-GFR).
- 6055 JAPAN NSB, in Japanese 1410 12-10, man talking to giggling gal (Feeley-GA).
- 6060 AUSTRALIA RA at 1420 12-29, IS clear enough but weak (Schulze-GFR).
- 6069 USSR RM M. Am Svc on LSB, Siberian site, poor in EG but wiping out semi-local WSZO (Park-6070).
- 6070 BULGARIA Sofia, in IT 2030 12-24, ID by gal, nx by OM (Eastman-TX); to 2329* MI). in EG 12-17 with DX prgm, mx, ID, IS, F-G, //11720 barely audible (Jordan); and at 0015 1-2 with world nx, "Mx from Bulgaria," fair overall (Bauernhuber).
- 6075 AUSTRIA Vienna, IS 0257, EG ID 0300, sked, nx, very poor copy 12-23 (Jordan).
- 6090 LUXEMBOURG R. Luxembourg, 0019-0040 1-2, EG, rock mx, ads (Topoleski).
- 6100 ALASKA KNLS, 1400 12-10, EG ID at s/on, songs from the 50's, into Japanese (Feeley-GA).
- 6100 N.KOREA Pyongyang, into Korean 1500 12-29, Pyongyang mentioned, tent. (Schulze-GFR).
- 6100 NICARAGUA Voice of Nicaragua at 1335 12-10 in SP, frequent IDs, mx, nx, sports, but wiped out by KNLS at 1400 (Feeley-GA).
- 6100 VENEZUELA YVTO time station, time pips and man with ID at 1140 12-25 (Snyder-NY).
- 6115 MEXICO R. Universidad de Sonora, ranchera mx 1340 1-3, SP talk including ID in passing; best to isolate this one by waiting until after Colombian; poor (Laves-TX).
- 6125 SPAIN Madrid, good 0500-0556 12-24, nx, "Panorama," to N.Am (Jordan).
- 6130 CANADA CMNX, nx, MoR mx, 0930-0955 12-30 (Topoleski); lots of "96 CMNS" IDs, Boston Xmas lighting ceremony, ads for MacDonald's, stereos; average kid spends 37 seconds on Santa's lap (the things you learn on SW1) (Archer-NC); 1420 on 12-10 with wx, nx, ads, mx (Feeley-GA).
- 6130 PAKISTAN R. Pakistan at 1304-1338 12-27, EG, local mx at 1330 when into local language, nx by OM, ID, some xmtr breaks after 1338, s/off? (Schulze-GFR).
- 6150 ALASKA KNLS, EG religious prgm at 0900 on 12-28, Bible reading, then jazz mx; good signal (Walley-CA).
- 6150 COSTA RICA R. Impacto, in SP 1158-1235, C.Am nx, mainly abt Nicaragua and Sandinistas, IDs and various remote reports and coverage of political speeches; noted on new 5030 on 12-17, -18 (this on 12-15); fairly good signal (D'Angelo-PA).
- 6150 USSR Petropavlovsk-Kamchatka listed, RM in EG 0530-0600 1-7, poor overall (Bowden-CA).
- 6150 VATICAN Vatican Radio, nx and cmtry 0100 1-2, very poor signal (Bauernhuber).
- 6160 CANADA CKZN-St.John's, 0145-0219 on 12-2, CBC history program, CBC net ID at 0200, then local mx (Brouillette).
- 6165 BONAIRE RN relay, EG nx 0230 12-15, report on the homeless in UK (Walley-CA).
- 6165 SWITZERLANDS R. Beijing relay, CH language lesson 2120 12-13 in GM programming, time and fqys 2129, Beijing IS, FR programming (Johnson-GA).
- 6165 USSR RM, Vladivostok listed, EG 1430-1500 1-8, fair with exc mx program (Bowden-CA).
- 6170 COLOMBIA LV de la Selva, hrd 1115 on 12-19 with LA and Xmas mx, gal annr with ID and telephone number at 1128 (Prath-FL).
- 6180 CYPRUS BBC-Limassol, relay, world svc with fair signal at 1936 12-13 (Figliozzi-NY); world svc in EG at 2213 on 1-3, poor signal, //5975 (Laves-TX); in EG at 0550-0630 on 12-5 with "The World Today," world nx, "Correspondents' Reports," "British Mx," "British Press Review," fair signal (Dillon-GREECE).
- 6185 VATICAN Vatican Radio, 0016-0100 12-3, light mx with EG, IT, FR IDs, IS at 0100 and ruined by TWR-Bonaire-6180 (Brouillette). +++ 73 to all until March. JB.

- 5000 ENGLAND MSF, CW ID 0430 1-2, continuous pips; about to go off, no? (Mulvey).
- 5005 EQUATORIAL GUINEA Bata, seeming local church svc 0548 12-20, Afro mx with Xmas flavor, no ID noted but Bata mentioned at 0550; no break at 0600; poor overall (Laves-TX); ID 0605 12-13, then nx, fair sig overall (Evans-TN).
- 5005.3 UNID. Koran recitations by man 1450 1-3 under heavy RID pips, gal anncr for 30 secs 1457, orchestral NA to 1500*; quite weak, Surinam, Nepal, Pak unlikely (Helms-CA).Sibu?JE
- 5010 CAMEROON Garoua, fair at 0520 12-9 with Afr pops, gal in EG 0530, then FR speech (Evans-TN); local mx with responsive chanting 0535, EG nx 0602, fair on 12-20 (Laves-TX); EG nx at 0603-0625 1-3, ID for R. Cameroon 0605 (Topoleski).
- 5015 CLANDESTINE R. Truth, 1710-1734 12-28, local langa, drums, bird call IS, then into EG, moderate sig (Schulze-GFR); possibly then, fair 0600 12-13, strange mx chords, numbers in GM or Afrikaans until after 0630; any idea on source of this? (Evans-TN).
- 5020 NIGER Miamey, hrd with FR nx by man at 0606 on 12-27, fair strength but poor overall (Snyder-NY); in FR at 0615 12-24, poor with native Afr mx, kids chorus, man with ID at 0624, then Xmas mx (VanMorn-FL).
- 5025 CUBA R. Rebelde, live soccer game in SP at 0400 on 12-16 (Eckman-CA).
- 5025 PERU R. Quillabamba, tune-in to OA MA at 1033 12-18, ID and s/on anmts by man, brief instr.mx, talk, Rebelde carrier covered em at 1043 (D'Angelo-PA).
- 5025 BRAZIL R. Transamazonica, LA and organ mx 0943, ID at 0946, 12-22 (Tuchscherer-WI).
- 5030 COSTA RICA R. Impacto now here. A few songs at 2130 12-18, mentions of Impacto, full ID at 2203 (Johnson-GA); LA mx, pops 2300 12-27, also 12-29 at 0335 with political talks, ID, moderate signal (Schulze-GFR); mellow US and LA pop mx 2304, man anncr with Xmas greetings, ID, 12-22 (Brouillette); mixed mx prgm 0140 12-17, much "Impacto" promos, full ID 0151, pol.cmtry (Leskowitz); 0301 on 12-17, emphasis on Nicaragua in nx, anti-Sandinista stuff, good sig (D'Angelo-PA); big sig 0305 1-3, //6150 (also quite good), mx, spot IDs, nx (Jordan); excellent at 0328 12-19, talk by M&W, SP pops, many mentions of C.R., ID, 0559* with NA, //6150 (Alexander-PA); 0445 12-27 with SP mx, IDs, fqy anmts 0459 (Topoleski); killer signals at 0500-0559* 12-20, dramatic "Impacto"IDs over every song, romantic LA mx, buenas noches 0555, warbly recording of NA, fqys (anncng 6015), OC and off, 6150 barely audible (Archer-NC); tent. them at 0453 on 12-30, unclear ID, gal with EG ballads (Eastman-TX).
- 5030 PERU R. Los Andes, 1021 ID followed by series of vocals with brief talk between songs, covered by Impacto carrier at 1030, 12-22, fair signal (D'Angelo-PA); talk by man at 2326, into another song; make it tentative (Snyder-NY).
- 5035 BRAZIL Tent. R. Aparecida, PT talk by man with echo effect, 2327 12-29 (Snyder-NY).
- 5034 CENT.AFR.REP. Bangui, FR mx, Lionel Richie, 2045 12-13, to 2258* (Yeelye-GA); very weak in FR at 0440 on 12-9 but no QRM (Eckman-CA); man with FR cmtry at 0530 on 12-12, fair signal (Evans-TN).
- 5040 ECUADOR LV del Upano, good on 12-21 at 1053 with possible s/on, full ID, fqys, address, phone number, short interlude of religious mx, then NA (Jones-MS); Indian mx at 2328 on 12-29, ID at 2330, mentioning Ecuador, fair signal with hvy QRM (Snyder-NY).
- 5040 GEORGIAN SSR Tbilisi, fair with nx in RS at 0504, 12-13 (Figliozzi-NY).
- 5047 TOGO Lome, local mx hrd at 2350 on 1-1, FR prgm, mostly EZ listening vocals, ID by man at 0000, anthem to s/off (Prath-FL); IS at 0525 12-27, soft chime mx, very clear; drums and native mx, man with FR ID, then FR talking, singing (Eastman-TX); fair on 12-12 at 0535 with native mx and into cmtry in FR (Evans-TN).
- 5050 ECUADOR R. Jesus del Gran Poder, *0955 on 12-28 with IS, religious mx, hrd to past 1015 (Topoleski).
- 5055 COSTA RICA TIFC hrd in EG at 0310 on 12-26 with Xmas prgm, good signal (Rhyne-NC).
- 5055 FRENCH GUIANA Cayenne, hrd in FR at 0900 on 12-5, nx by gal with various remote rpt, then talks and short musical segments; covered by early (0945) s/on of R. Catolica; fair sig overall (D'Angelo-PA).
- 5060 ANGOLA Huambo, in PT to 2300* on 12-3, opera-type mx, ID, NA, also hrd with fair signal on 11-24 (Wack-VA).
- 5066 ZAIRE R. Candip, hrd 0351-0500 in FR and vernac on 1-3, best ever rcprn, too good for DXI Man in FR with ID at 0358, mentions of Zaire and into dialect at 0401; fast tribal mx at 0416, Candip mentioned at 0430, ute QRM heavy by 0500; good enough for a report, and I hope still 1 kw (Archer-NC).
- 5286 CHAD R. Moundou, in FR at 0510 with ID, African folk mx, must be xmtr power increase as never so strong before, likewise at 1620 early fade-in with FR ID and Afr folk mx, 12-29, -30 (Schulze-GFR).
- 5283 PERU R. Onda Popular, in SP at 0315-0330 on 1-3, ID mentioning stn name and Bambamarca, fair (S9) sig, clocktower bells at 0330, TC, into huaynos; tnx to K.Allen for tip/
- 5860 CHINA Sijiazhuang per RID, 2308 12-17 with CM talks, mx (Tuchscherer-WI).(Archer-NC).
- 5889 CLANDESTINE R. Liberacion, talk on Nicaragua, 0205 12-23 in SP, good sig (VanHorn-FL).
- 5904.5 PAKISTAN Islamabad, good at 0120-0228 1-6 in Urdu with Koran, local mx; //4878.8-Quetta (poor), 5090-Islamabad (good) until 0200 (Moward-CA).
- 5905 USSR Riazan listed, RM good in EG at 1500-1515 1-8 (Bowden-CA).
- 5910 BELGIUM BRT, *0000-0020* 1-1 in SP, IS, ID, mx, nx, F-G, //9925 not hrd (Jordan).
- 5915 USSR RM at 0300 12-23 with nx in N.Am Svc (Topoleski).
- 5935 LATVIAN SSR R. Riga, gal interviews man 2130, kids singing 2135, jazz 2159, ID as Riga and then off, 12-29 (Johnson-GA).
- 5972 COLOMBIA R. Macarena, pops at 0955 12-22, ads, ID, good signal (Jones-MS).



LOG REPORT

section C

6200 to 11699 kHz

Editor: Jerry Ervino, Box 5204, Hidalgo, TX 78557

- 6120 JAPAN RJ 1120 EG cmtry on voting in Korea, prof. baseball and new stadium; SIO-444 (Levison-PA 11/18)
- 6200 USSR R.Vilnius 2315 EG Lith.classical mx//7165(Prath-FL 11/18)
- 6205 ECUADOR HCJB 0512-0535 C2/Nordic Rel.pgm, ID (Jordan-PA 12/2) /0713 EG DX Party Line, computers & SWL hobby (Lemke 11/21)
- 6210 CHINA, REP WYFR 1300 CH Re. pgm, 'Family R.'f.(Rigas-IL 11/14)
- 6230nf ECUADOR HCJB 0437 EG 'Happiness Is'pgm; SIO-452(Lemke 11/23)
- 6250 EQUATORIAL AFRICAMalabo 2129 SP mx to 2145, anc.(Johnson 11/22)
- 6323.5 PERU 'Estacion C,Mogagamba t 2355 SP tk,ute qrm,f-g(Bryant-GA)
- 6570 BURMAT Burmese Army St. 1120 Lang seas mx; pgm;(Leskowitz 12/7 /1115-1132 tkw/pop songs, IS(?) other lang after 1130 (Buer-FL)
- 6576 Korea PR RP 1220-1230 SP mx,tk; ute qrm; (Buer-FL 11/20)
- 6600 UNID N.Am.Pirate(?) 0256-0300*(?) mx. out; SIO-353(D'Angelo)
- 6650 CLAND R. Farasundo Marti 0004-0054* SP tk,mx;pre 6635(D'Angelo)
- 6667 CLAND LV del Alpha 66 *0159-0233* SP 10 note IS, 'noticias de Angola', 0210 ID, 'viva Cuba libre'; SIO-353 (D'Angelo-PA 11/10)
- 6668.7 CLAND LV de Alpha 66 0200-0205 SP 10-note mx box type IS. ID lite SP mx, tk g. (Alexander-PA 12/5)
- 6672 CLAND R.Venceremos 0003-0130 SP various freq used; 6648,6631, & 6610; rev. tk, martial mx. ID's,g. sig. audio p.(Alexander-PA)
- 6726.5 PERU R.Satelite 0000 SP ID, brief nx/hr,ads; f.(Bryant 11/19)
- 7065 ALBANIA R. Tirana 0230 EG Balk.WT.Lift.scores;ID,(Rubin-NY) / 0355-0357* nx, abrupt off (Hollerman-AL 11/28)
- 7105 MONACO TWR-Monte Carlo 0812 EG pgm details,rel.pgm.(Sampson)
- 7135 USSR R.P&G 0400-0410 SP IS,tk,Nx; f. (Hollerman-AL 11/28)
- 7155 HUNGARY RB 0412-0438 HG tk,IS,instr.sounds,ID-fade(Hollerman)
- 7170 NEW CALEDONIA RFO 0708-0820 FR mx,nx,cmtry,ID (Gugg-Que 11/14)
- 7175 ITALY Caltanissetta,Sicily R.Due *0458-0520 RAI IS & ID fol-
lowed by 5+1 time pips;ID, tk, oper.vocals; SIO-333 (D'Angelo-PA
11/8)/ 0600-0637 ancmts, birds-jingles(IS),ID,ads;(Paszkiwicz)
- 7180 HONG KONG BBC 0900-0915 EG ID nx; f.w/qs. (Buer-FL 11/15)/
0840 mx. g.sig.(Walley-CA 11/22)/0658-1001 nx, rev, 'EG. by R.'
into Mandarin 010000; (D'Angelo-PA 12/1)
- 7200 SOMALIA R.Mogadishu 0258 AR NA,s/on,ancmts,Quran rec(Johnson)
- 7215 IVORY COAST RDTI 0750 FR tk abt soccer,ads; (Slagt-Aruba10/14)
- 7225 RWANDA DW 0442 EG p. (Figliozzi-NY 11/19)
- 7255 BOTSWANA RB 0400 Vern. barnyard noises(IS),s/on(Eckman-CA11/8)
- 7270 POLAND R.Palonia 0500-0530 PO pgm of Chopin mx.,ancmts,qrm-DW
00525;also 0634 EG//6135;/2235 EG cmtry, SIO-3333 (Levison-PA
11/21)/ 0235 EG 'Soviet Weekly',ref./econ. (Bryant-GA 11/19)
- 7270 USSR 'Radiostanzia Rodina' 2330 RS IS, ID,nx//4765(Prath-FL 27)
- 7270 GERMANY FRG DW 0528 GM/Lang IS,ancmt; 719; (Johnson-GA 11/14)
- 7275 USSR R. Tashkent 1200 EG s/on,nx,cmtry//11785 (Prath-FL 11/28
/mx, ID, 'R Tashkent Calling',Uzbek songs,cmtry//5954,9&00(Rugg)
- 7295 IRAQ RB 2230 EG mx,nx, (jam)?Rhyme-NC 11/11)
- 7355nf USA,ALABKA KNLS 1804 EG Sounded Words. (Lemke 11/6)
- 7365 USA WCSN 0805 EG nx. g.sig (Walley-CA 12/1)
- 7370 USSR RM 2300 SP IS, s/on 'para America Latina',nx(Prath 11/14)
- 7375 COSTA RICA R. for Peace Int'l. 0325-0401* EG pgm on peace,
ancmts. ID,addr. s/off w/mx (Alexander-PA 11/27)/ 0110-0135 folk
mx. ID (Hill-MA 9/18)/ 0235 tk, SIO-343 (D'Angelo-PA 11/10)/0130
tk abt. environment, fading, qrm;(Feely-GA 9/24)

7400 USSR RM 2335 EG pgm abt science & engin. (Rubin-NY 10/25)/
2245 EG/RS /Mayak/ co-chan. (Wallace-PA 12/6)

7412 INDIA AIR 2143 EG local mx. f./11620,9910 (Rigas-IL 11/29)

7430 GREECE VOG 0135 EG nat'l & wld nx.into GK,mx.(Feeley-GA 11/24
/ sports, SIO-333 (Lemke 11/5)

7445 CHINA,REP. V of Asia,Taiwan 1150-1200 EG mx,ancmts,g.(Morty)

7495 ISRAEL KOL 0410 loc.mx,nx, ID,s/off 00505; (Wallace-PA 12/7)

7935 CHINA,PR CPBS-1 1720-1731 CH West.mx.w/yl DJJ,mx,NA(Dillon 10/3)

8975 CUBA R.Nac.? 0204 SP Tk, ID. (Marker 12/3) ??ED.

9010 ISRAEL KOL 2000 EG nx. f./9435 (Rhyne-NC 11/27)/ 2310 multi
lang IS,ID.(Slagt-Aruba 10/12)

9022 IRAN V of Iran 0220 SP tk ment Malaysia,Nicaragua.(Feeley 9/26)

9395 GREECE VOG *0500-0625* GK IS,s/on, cmtry,mx.(Jordan-PA 11/20)
/ 2310 PT nx, s/off into GK mx; (Slagt-Aruba 10/12)

9400 CLAND. R.Iran 1835-1924* Farsi tks, mx, ID'S;SIO-232(D'Angelo)

9420 GREECE VOG 0133 EG Wld. nx; (Lemke 11/5)

9430 ALBANIA RT 2145 SP Mx, ID/om pol.tk; (Prath-FL 11/15)

9430 CLAND Sudan?? V of Ethiopian Unity 1915-2004* Amharic? tks,
mx, s/off, ID, ancmts, mx; SIO-252 (D'Angelo-PA 11/11)// 11180

9435 ISRAEL KOL 2230 & 0000 EG/HE IS, ID,sked tk/yl & om (Jordan)

9445 TURKEY VOT 0000-0200* EG Test,ID,nx, mx; (Jordan-PA 11/20)
/0414 ID,mx. SIO-444 (Levison-PA 11/8)

9470 USSR R.Yerevan 2240-2300* SP clas. mx. yl/ancr.cmtry(Jordan)

9470 ISRAEL RM 0005 PT nx, cmtry, ID. (Prath-FL 11/10)

9475 EGYPT R.Cairo 0221 EG Wld.nx (Lemke 11/7) / 2150-2350* AR nx,
tk, mx,s/off (Jordan-PA 11/10)

9495nf USA WRNO 2219 EG 'Top Ten' (Lemke 11/4)

9505 AUSTRALIA RA 1955-2001 Bahasa Indonesian, IS,ID,nx;(Schulze)

9510 ALGERIA RTV Algiers 0559 FR mx,nx,mx.(Figliozi-NY 11/21)
/1900 EG s/on, mx. f.sig. (Rhyne-NC 11/22)

9540 LIBERIA VOA 0552-0700 EG nx,'VOA Sunday Morning'(Jordan 11/29)

9545 SOLOMON IS. SIBC 0810 EG Wld.nx. reg.nx, qrm;(Lemke-11/23)

9552.5 EQ.GUINEA R.Nac.-Bata 2020-2200* EG Rel.pgm,mx, NA;(Alexander
-PA 11/26)/ 2126-2157 EG/SP 'Gospel Echos',s/off into SP.(Hill)

9555 PORTUGAL RFP 0508 86? nx,mx, ID 00510; f.(Figliozi-NY 11/14)

9570 GABON RJ rel. 0515 EG tk, ancmts in var.lang. abt. problems
w/direct relay between Tokyo & Noyabi; exc. (Figliozi-NY 11/14)

9575 ITALY RAI 0101-0120 EG nx,ID,mx, s/off; SIO-434 (Edwards 8/12)

9575 SP.MORROCO R.Medi 1725-1800 FR mx,'Marlboro'ad.ID (D'Angelo)

9580 SO. AFRICA RSA 0300-0355 EG 'Good Morning Africa',nx(Jordan)

9590 NETH. ANT. RN 0255 EG cmtry; g. (Bauerhuber 12/1)

9590 GREAT BRITAIN BBC 2539 EG 'Multitrack II' (Lemke 11/4)

9600 USSR R.Tashkent 1210-1230* EG nx, interv.,ancmts,ID(Lemke 11/4)

9610 AUSTRALIA VLW9-Wanneroo, rel.6WF ABC-Perth Nx.f,(Figliozi)

9640.2 ALGERIA) V of Free Sahara (Sout az-Sahra Al-Hera) usb 2215
AR cmtry, mx,cmtry, mx; (Johnson-GA 11/21)

9645 ECUADOR HCJB 0342-0348 PO tk, nx/om, yl/tk, mx;(Hollerman)

9650 GERMANY FRG DW 1745 GM mx. yl/ancr. ID.g. //6075 (Dillon 11/6)

9655 NORWAY RNI 1800-1815 EG/NOR ID, IS/EG, nx/NOR yl.f.(Dillon)

9665 GERMANY,DDR RBI 1815-1832 EG IS, ID, nx, f.(Dillon-GR 11/6)

9665 SO.AFRICA SABC R.5 0525-0540 EG T.pips,nx,mx.(Jordan-PA 12/1)

9665 CHINA,PR RB 0013 EG nx/yl,ID, p.mod; (Bryant-GA 11/19) / 0035
'Mx. from China',p.sig. (Rhyne-NC 11/16)

9670 CHINA,PR RB 1832-1845 RS mx. yl/ancr.f./7375(Dillon-GR 11/6)

9680 PORTUGAL RP 1845-1901 PT om/ancr, mx, ID, rel.tk,sked.(Dillon
-GR 11/6)/ 0240-0301 PT 'Pop'mx, ID, time gong,NA,s/off;(Jordan)

9684 TANZANIA RT *0328-0347 EG IS,NA, s/on,ID, freq/yl;(D'Angelo)

9690 ARGENTINA RAE 0200 EG nx, mx, mailbag/11710 (Eckman-GA 12/5)
/0209-0221 nx, mx, questions answered; SIO-444 (Edwards 12/8)
/0200-0245* tk, mx,yl & om/ancrs. (Jordan-PA 12/2)

9690 GREECE VOa 1650-1703 RS yl,om/tk,qrm, R.Bucharest (Dillon 11/7)
 9705 GERMANY,FRG RFE/RL PO yl/nx, ID' Radia Wolna Europa'(Dillon)
 9710 USSR 1715-1730 FR yl/tk, ID, f. (Dillon-GR 11/7)
 9720 SAUDI ARABIA BSKSA 1922 EG tk on econ. cond.qrm,t-p.(Rhyne)
 9720 ECUADOR HCJB 0450-0510 EG yl/rel.tk,mx; (Jordan-PA 12/2)
 9730 USSR RM 1730-1745 Af.VERN. IS, ID,sked. nx? f.(Dillon-GR 11/7)
 9735 RWANDA DW 1531-1551 EG tk/disease in Africa;(Tuchschereh 11/25)
 9735 PARAGUAY R.Nac.2250 SP tk/anti-communist; (Slagt-Aruba 10/12
 0145 LA mx, ID; (Feeley-GA 11/24)
 9735 ANTIGUA DW 1058-1113 GM xmtr ID,mx,sked//11705,15205(Buer12/4
 9735 UK VOa 1745-1800 Bulg. ID,mx, wld. nx hdlines; g.(Dillon 11/7)
 9745 GERMANY DW-AF.Svc 1800-1850 EG IS, ID,sked,nx//7225 (Dillon11/7
 9745 ALBANIA RT 0230 EG nx, cmtry.//7065, 33333 (Bauernhuber 12/1)
 9750 CYPRUS BBC 1631-1700 C7 yl/tk nx, EG lesson, ID;(Dillon-GR11/9
 9755 VATICAN 1750-1800 B-RS om/tk sked, IS; f.(Dillon 11/8)
 9760 CUBA RM-rel. 1800-1815 SP ID, tk; vg. (Dillon 11/8)
 9765 SPAIN REE 1815-1830 FR ID, clas.mx,qrm R.Havana; (Dillon 11/8
 9770 UK BBC 1710-1735 PO yl/tk nx, ID, f.(Dillon 11/9)
 9770 CHINA,PR RB 0230-0255* CH mx/notes, tk, lang.lesson,yl/tk,mx
 /*0300-0355* EG IS, yl,om ID, nx,cmtry; f. 0420-0455 CH(Dillon)
 9770 MALI RB rel. 0300-0400 EG qrm/Vo Arabs; f.(Figliozzi-NY 11/30
 9775 USSR RM-AFSvc. 1900-1915 FR IS, ID,sked, nx/yl f.(Dillon 11/10
 9775 CHINA RB 0315 EG tk/ travelogue, ID (Rubin-NY 11/10)
 9780 YEMEN ARAB REP. R.San'a 1915-2005 AR Interview,mx, ID(Dillon)
 9790 FRANCE RFI 1715-1730 FR mx, yl,om/dj, ID,vg. (Dillon-GR 11/11
 9800 USSR RM 1710-1730 AF Vern. om/ID, tk, mx; (Dillon-GA 11/13)
 9805 FRANCE RFI-AF Svc 1730-1758 FR mx-top hits, ID//9790(Dillon)
 9810 USSR RM 1703-1730 EG nx, ID,mx, cmtry; f. (Dillon-GR 11/14)
 9820 USSR RM 1710-1725 EG nx, ID, mailbag//9810 (Dillon-GR 11/15)
 9825 UK BBC 1725-1800 AR EG lesson mx, //7140 Cyprus Rel (Dillon)
 9830 USSR RM 1710-1725 EG nx, mailbag, //9810,9820 (Dillon-GR 11/16
 9840 KUWAIT RK 1725-1800 AR mx, ID,sports nx, //9880,11990(Dillon)
 9850 USA WCSN 0110 EG Rel.pgm (Feeley-GA 11/16)
 9850 USA WCSN 0000 EG rev.nx, 'Nx Focus'; g.sig.(Laskowski-IN 12/9
 9860 USSR RM 1700-1715 AF Vern. ID/EG, yl/nx,numbers/EG(Dillon)
 9870 SAUDI ARABIA BSKSA 1715-1735 AR interview,om/tk, ID;(Dillon)
 9875 SPAIN REE 1735-1755 SP om/tk, pop mx,yl,om/tk(Dillon-GR 11/21
 9880 USSR RM 1755-1825 AR tk, ID,nx;(Dillon-GR 11/21)
 9890 USSR RM-Mayak 1828-1845 RS mx, IS, ID/om, mx; f.(Dillon 11/21)
 9875 ECUADOR HCJB 0035 EG nx, ID; (Rubin-NY 11/5)
 9895 BONAIRE RN 2246 SP cmtry. 'Edicion Especial'(Slagt-Aruba
 10/12) Suprad U R able to receive this so close; ED..
 9915 UK BBC 2248 EG Sports tk, Telaviv car races;(Slagt-Aruba10/12
 9925 BELGIUM BRT 0040 EG 'Belgium Today',nx,tk//5910 (Prath-FL
 11/10) /0050 ID, pgm abt shopping in Brussels s/off(Bryant 11/19
 9940 CLAND LV del CID 0304 SP LA mx, strong sig.ID(Marker 12/4 /
 0105 yl/nx; (Feeley-GA 11/16)
 9950 SYRIA R.Damascus 2045 EG mx,nx,s/off;on to/NA 555(Edwards12/6
 9960 CLAND. R.Caiman 1442 SP mx'Beat it', ID, rock mx,hit parade
 SIO-353 (Sampson-WI 11/30) / 0251 LA mx, ID, freq,mx,(Marker
 12/4/ 0100 ID,(Feeley-GA 11/16) /0005-0130 tk, ment.Cuba, ID
 martial mx, (Alexander-PA
 9977 NO. KOREA R.Pyongyang 1210-1240 EG nx, mx,cmtry,mx, ID(Morby)
 11620 INDIA AIR 2045 EG g.mx, ID, 'You are tuned to Delhi' &'This
 is the Gen overseas svc.of All India Radio' (Laskowski-IN 11/25)
 11625 SYRIA R.Damascus 2325 AR vocal mx, ID/om, mx, //9950 (Bryant)
 11635 CLAND. LV del CID 1545 SP yl,om/tk, ID,qrm; (Marker 11/30)
 11650 CHINA,PR RB 2335 SP yl,om/tk, ID, CH mx; (Prath-FL 11/9)



LOG REPORT

section D

11700 and above

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

- 11665 KUWAIT RK in AR/EG 1750, tlks, ID, prayer, into EG 1804, f-p (Jordan PA 12/8)
in EG 2155 w/U.S. rock mx from Prince & Madonna, g (Van Horn FL 12/22)
- 11679 NO. KOREA KCBS Pyongyang in lang? 0005, tlks, nx, orch mx, f (Jordan PA 12/20)
- 11700 DOMINICAN REPUBLIC R. Clarin in SP 1205, IS, ID (Snyder NY) in SP 1830 w/drama,
(Figliozzi NY, Hankins PA) in SP 2313, ID, g (Topoleski 12/29) All reporters
note programming by "La Voz del Cid"
- 11710 ARGENTINA RAE in EG 0420, mailbag, ID, tlks (Topoleski 12/11, Eastman TX 12/27)
- 11720 CANADA CBCNQ Service in EG/lang 1827, country mx, ID (Eastman TX 12/24)
- 11720 AUSTRALIA RA in EG 0920, "Talkback" & preview of "Communicator" (Park HI 12/27)
- 11725 PORTUGAL R. Free Europe in PL 1710, current affairs, ID 1730, f (Dillon GREECE)
- 11730 UNITED ARAB EMIRATES R. Dubai in AR 1710, nx, ID, AR mx, f (Dillon GREECE 12/8)
- 11734 ZANZIBAR RTZ in SH 1715, tlks, ID, AR mx, p (Jordan PA 12/8) in SH 1830* abrupt
s/off, no ID or NA, f-p (Buer FL 12/30) in SH 1749-1831, several ID's, nx until
1810, tribal singing, abrupt off (Archer NC 12/12) in SH 1715 w/mid-east string
mx (Uerlings OR 12/19) in SH 1700 w/Afro-AR mx, f-p (Evans TN 1/2)
- 11740 VATICAN STATE VR in RM 1710, world nx, ID, IS, organ mx (Dillon GREECE 12/9)
- 11740 QMAN BBC relay in AR 0530, tlk, AR mx, ID, sked, fgys, f (Evans TN 1/2)
- 11745nf SOUTH AFRICA RSA in EG 0018, listeners' "Call in Night", exc (Snyder NY 1/1)
- 11748v BRAZIL R. Bras in EG 0215, pop vocals, "Contemporary Brazil", g (Van Horn FL)
in EG w/BR pops 0205-0240 (Helms CA 1/3, Rhyne NC 12/30)
- 11750 CYPRUS BBC relay of AFR svc in EG 1717, rpts on Afr affairs (Dillon GREECE 12/9)
- 11751nf? BANGLADESH RB in EG 1230, hrd ID despite heavy QRM R. Moscow (Feeley GA 12/29)
- 11770 WEST GERMANY R. Liberty in Tatar-Bashkir 1710, nx, rpts (Dillon GREECE 12/11)
- 11770 USSR R. Moscow RP&P in EG 0115, rpt on Soviet space pgm, //5915 (Prath FL 12/25)
- 11770 USSR R. Stanzia in RS 1359, IS, ID as R. Stanzia Rodina, nx (Snyder NY 12/29)
- 11775 ECUADOR HCJB Quito in EG 0030, nx summary, ID, g (Bauernhuber NY 1/2)
- 11775nf SOUTH AFRICA RSA in FR 1805, pop mx, ID, Afro nx, interviews (Jordan PA 12/29)
- 11780 NEW ZEALAND RNZ in EG 1014, barely audible under Brazil sta (Rugg QUEBEC 12/31)
- 11790 USSR R. Yerevan in EG 0352, cntry (Eckman CA 12/15, Jordan NC 12/16)
- 11790 USSR R. Kiev in EG 0031, cntry, violin solo, "Songs without Words" (Levison PA)
- 11790 CHINA R. Beijing in SP *2300-2355*, IS, ID, tlks, mx, nx, sked (Jordan PA 12/10)
- 11795 WEST GERMANY DW in GM 1730, tlks re mx, IS, pop mx, f (Dillon GREECE 12/11)
- 11800 GABON R. Japan relay in EG 2300, //15300, 15280, 15195, 7280 (Eckman CA 12/15)
- 11810 VATICAN STATE VR in FR/EG 1530, IS, into EG 1545, remarks by Pope, p (Park HI)
- 11815 PORTUGAL R. Free Europe in RM 1800, world nx, cntry re Summit (Dillon GREECE)
- 11820 QATAR OBS in AR 1600-1700, AR vocals & instrum, ID, nx, chants (Jordan PA 1/2)
- 11820 ASCENSION IS. BBC relay in EG 1815, "Newsdesk" (Dillon GREECE, Park HI 12/21)
- 11825 PORTUGAL R. Free Europe in EG 1830, class mx, nx, cntry (Dillon GREECE 12/11)
- 11830 LIBERIA ELWA Monrovia in Hausa 1845, relig songs, ID in EG 1900 (Dillon GREECE)
- 11835 LIBERIA VOA relay in EG 0400, end of "Daybreak" pgm, ID, IS, nx (Hollerman AL)
- 11840 CUBA R. Moscow relay in EG, nx, cntry (Hankins PA, Bowden CA, Topoleski)
- 11840 ROMANIA R. Bucharest in EG 0515, instrum mx, Romanian nx (Dillon GREECE 12/12)
- 11845 USSR R. Moscow RP&P in EG 0525, rpts, interviews re Summit (Dillon GREECE 12/13)
- 11855 MOROCCO VOA relay in Estonian 1645, tlks re Poland, nx, ID (Dillon GREECE 12/12)
- 11860nf SEYCHELLES FEBA in Sonali 1700, IS, ID, prayer, folk songs (Dillon GREECE 12/12)
- 11860 USSR R. Vilnius in EG 2300, R. Moscow IS, then RV IS, ID, previews, world &
national nx (Park HI 12/28) Catholic Xmas Svc fr Vilnius 2300 (Jordan NC 12/25)
- 11862 VENEZUELA RN de Venezuela in SP 0010, historical docum, ID's (Rugg QUEBEC 12/17)
- 11895 PORTUGAL R. Free Europe in HG 1732, class mx, monolog, ID (Dillon GREECE 12/12)
- 11900 SOUTH AFRICA RSA in EG 0325, DX pgm (Prath FL) mx, nx 0355 (Topoleski) nx 0406,
ID, editorial (Hollerman AL) in FR *0430-0627*, IS, ID, upbeat anncr (Jordan PA)
in PT 1935-1955*, polka mx, IS (Hankins PA) in EG 2110, ID, Xmas mx (Eastman TX)
- 11910 HUNGARY R. Budapest in IT 1800, world nx, ID, sport pgm, f (Dillon GREECE 12/12)
- 11920 EAST GERMANY R. Berlin in GM 0545, sports, ID, rpt on Summit (Dillon GREECE)
- 11920 JORDAN R. Jordan in AR 1325-1405, vocals, anncts, pips, nx (Paszkiwicz WI)
phone call-in show in AR 1425, AR mx (Laves TX 1/3) in AR 1355-1445, tlks, six
pips 1400, ID? (75% sure), tlk, nx, vp (Jordan PA 12/17) ED: Nic? TX catch!
- 11925 WEST GERMANY R. Free Europe in CZ 1710, tlks, reports, ID (Dillon GREECE 12/14)
- 11930 FRANCE RFI in FR 1715, DJ w/FR rock mx, ID, address, hilife (Dillon GREECE)
- 11940nf SPAIN REE in SP 1924, 12 chimes ID, trumpets 1928, ID, pips (Hankins PA 1/7)

- 11940 UNITED ARAB EMIRATES R. Dubai in AR 1305-1415, AR mx, tlks, Quran, ID (Jordan PA)
- 11945 PARAGUAY R. Encarnacion in SP 0127-0256*, ad, several nice ID's, "Noches en Paraguay", brief NA at 0256, then gone (Archer NC 12/27)
- 11945 CHINA R. Beijing in lang? *0300, IS, tlks in Asian sounding lang, vp (Jordan PA)
- 11945 FINLAND RF in EG 1410, "Airmail" pgm, f (Topoleski 12/15)
- 11950 PORTUGAL D. Welle relay in RM 1710, current affairs, ID, nx, g (Dillon GREECE)
- 11955 ANGOLA RNA in EG 0421, pop tunes, //4952.5 (Johnson GA 12/20)
- 11960 GREECE VOA relay Rhodes in AR 2045, ID in AR/EG, IS and off 2100* (Archer NC 12/5)
- 11960 MALI RTV Malienne in vern 1648, long tlk, vg (Uerlings OR 1/5)
- 11965 GUAM AWR in EG 2145, "Voice of Prophecy", ID, Tagalog after 2200 (Buer FL 12/24)
in EG 2100 w/"Music Scrapbook", g (Jordan NC 12/27) Station's call is KSDA, Agat.
- 11965 FRANCE RFI in FR 1720, "Hi-Life" mx w/DJ, target Africa (Dillon GREECE 12/18)
- 11970 SPAIN R. Free Europe in Estonian 1730, monolog, IS, ID, f (Dillon GREECE 12/19)
- 11985 ALBANIA R. Tirana in EG 1400, bells, NA, nx, folk mx, f (Jordan PA 12/19)
- 11995 FRANCE RFI in FR 1735, song by J.C. Dubois, fashions, mx, ID, vg (Dillon GREECE)
- 12015 AUSTRIA RAI in GM 1730-1801, GM mx, interview, ID, sked, g (Dillon GREECE 12/20)
- 12015 MONGOLIA R. Ulan Bator(p) in CH2 1210, tlks w/mx bridges (Rippel VA, Snyder NY)
- 12040 AFGHANISTAN(t) Kabul's pgm II via USSR in Urdu? 1350-1511, tlks, speech excerpts, heavy orch mx, Dari & Pushto(p) at 1430, //9755 (Jordan PA 12/27)
- 12050 EGYPT R. Cairo in AR 2115, AR vocals, YL w/annmts & ID, g (Van Horn FL 12/23)
- 12050 USSR R. Moscow (Khabarovsk) in EG 0126, pgm re Soviet life, IS, ID (Hollerman AL)
- 12085 SYRIA SBCS in EG 2008, nx, traditional AR mx, p (Eckman CA 12/12)
- 13665 USSR R. Moscow in EG 0100, nx re demonstrations in Gaza strip, f (Bowden CA 1/7)
- 13685nf SWITZERLAND SRI in EG 1530, pgm re "The Two Bobs" and their interest in SW radios, (Walley CA 12/26) in EG 1330, topical nx, pgm re Swiss Red Cross (Jordan PA 12/29)
ED: SRI's sked thru 4/30/88 does not list this freq nor //9885 so this must be very recent change. This may also be SP-sounding Uniden rptd by Hollerman at 1700*
- 13735sb USSR R. Moscow in RS 1225, tlk & amx to 1229 IS, ID, feeder? site? (Buer FL)
- 13760nf USA WRNO in EG 2240-2400*, "Jazz show", ad, SWL pgm, g (Sampson WI 12/22)
- 15036sb CANADA Weather sta. Gander, Newfoundland, temp & pressure info (Hankins PA 1/9)
- 15060 SAUDI ARABIA BSKSA in AR 1315, AR mx, tlks, ID (Prath FL) in AR 1604 (Uerlings OR)
- 15084 IRAN IRIB in Farsi? 1425, mx and OM tlking calmly (Feeley GA 12/10)
- 15165 DENMARK RD in DN 1527, OM & YL w/cntry, IS & ID 1529 (Uerlings OR 12/31)
- 15171 SOCIETY IS. R. Tahiti in TT 0438, South Seas mx, much fading (Snyder NY 12/23)
- 15180nf MADAGASCAR R. Netherlands relay in EG 1920, media network (Tuchscherer WI 12/17)
- 15185 FINLAND RF in EG 1520, 2 OM's with cntry on Finnish people (Uerlings OR 12/31)
- 15190 BRAZIL R. Inconfidencia in PT 2250, BR ballads, ads, phone chat, ID (Van Horn FL)
- 15200 GABON Africa #1 in FR 1626, GM w/speech or sports event (Uerlings OR 12/27)
- 15205 ALGERIA (t) RIV Algerienne in FR *1800, pgm in FR after pips at 1800 (WRTH '87 & RDI '88 lists time slot as AR but Figliozzi NY believes this to be Algeria)
- 15215 ALGERIA RIV Algerienne in EG 1900, nx, then disco, f (Jordan NC 12/20)
- 15225nf USA KUSW Salt Lake City widely hrd on this freq from 1600-1900 w/pop mx, ads, nx, ID, skeds (Paszkievicz WI, Jordan NC, Sampson WI, Figliozzi NY, Alexander PA, Archer NC, Buer FL) Station moves to 17715 at 1900.
- 15230nf SOUTH AFRICA RSA in AK 1922, various types of mx w/annmts, g (Levison PA 12/29)
- 15240 YUGOSLAVIA R. Belgrad in EG 1547, economic reveiw of Yugo autos (Uerlings OR 1/5)
- 15245 ZAIRE LV du Zaire in FR 1705, nx, p (Uerlings OR 12/19) in FR 2210, tlks, classic piano mx, wiped out at 2230 by HCJB (Feeley GA 12/13)
- 15250 ECUADOR HCJB Quito in GM 0000, IS, ID, mx, exc (Snyder NY 12/19)
- 15260 CANADA BBC relay in EG 1600, soccer, nx, cntry (Park HI, Hankins PA 1/10)
- 15270 ECUADOR HCJB Quito in SP 2200, pgm beamed to Europe (Eckman CA 12/13) in EG 2130 w/profile on Seychelles and DXPL pgm, f (Walley CA)
- 15270 RWANDA D. Welle relay in GM *2200, IS audible under HCJB (Eckman CA 12/13)
- 15270nf PHILIPPINE IS. R. Veritas in JP 0020, moved from 15275 this xmas (Treibel WA 1/19)
- 15280 HONGKONG BBC rrelay in EG 0417, "Newsdesk", exc (Eckman CA 12/15)
- 15290 PHILIPPINE IS. VOA relay in EG 2245, "VOA Sunday Morning", f (Rugg QUEBEC 12/26)
- 15305 NO. MARIANAS R. Saipan in Burmese(p) 0015, melodious mx, ID, exc (Treibel WA 1/19)
- 15315 FRANCE RFI in FR 1300-1400, nx on the hr, interviews, press review, FR mx, f-g //15300, 15365, 17720 (Jordan PA 1/4) in EG 1616, tlk on wld affairs (Hankins PA)
- 15320 AUSTRALIA RA in EG 0430, Xmas songs (Snyder NY) tlk on ABC budget 0310 (Jordan PA)
- 15335 MOROCCO RTV Marocaine in AR 1636, CM w/speech, //15360 (Uerlings OR 12/27)
- 15345 SWEDEN RSI in EG 1410, tlk show, mailbag fr Scotland & Czechoslovakia (Rubin NY)
- 15350 LUXEMBOURG RL in FR 1639, rock mx, ads, p (Uerlings OR) f-g (Hankins PA 1/10)
- 15380 PORTUGAL R. Liberty in UK 1644, tlks, ID "R. Soboda" (Uerlings OR 12/27)
- 15400 FINLAND RF in EG 1312, nx re Finland, "Northern Report" (Snyder NY, Topoleski)
- 15405 NO. MARIANAS KYOI Saipan in EG 2259, rock mx, ID's, p (Rugg QUEBEC 12/28)
- 15415 LIBYA R. Jamahiriya in AR 1305, propaganda & chanting, g (Snyder NY 12/29) in AR 1645, CM w/Mid-east vocals, //15450 (Uerlings OR 12/27)

15420 CYPRUS BBC relay in EG 1424, pop mx, TC, ID, sports rpt (Van Horn FL 12/19)
 15425 USSR R. Moscow (Petrovlovsk) in EG 0000, political tlk, f (Bowden CA 1/7)
 15435 HONGKONG BBC relay in EG 2300, G. Hart cmntry, features (Eckman CA, Park HI)
 15450 TUNISIA RTV Tunis in AR 1550, long tlk (Uerlings OR 1/4)
 15455 USSR R. Moscow (Petrovlovsk) in EG 0030, USA-USSR women tlk (Bowden CA 1/7)
 15495 KUWAIT RK in AR 1530, ID "Huna al Kuwait", tlks, //11990, 15505 (Prath FL 12/13)
 15505 KUWAIT RK in AR 1730, ID, YL w/tlk, g (Eastman TX 12/30) in AR 1358 (Laves TX)
 15510nf WEST GERMANY D. Welle in Urdu 1430, ID, nx, f (Laves TX 12/28) in Urdu 1435-1545
 w/nx, string & percussion mx, tlks, vocals, chants, skeds (Jordan PA 12/14)
 15525 BANGLADESH RB in EG 1230, ID, nx, f (Snyder NY 12/31)
 15570 MADAGASCAR R. Nederlands relay in EG 1700, "Media Network", p (Park HI 11/28)
 15575 SO. KOREA RK in EG *2328, IS, NA, ID, skeds, nx, vocals (Rugg QUEBEC, Snyder NY)
 15580nf USA KUSW Salt Lake City widely hrd on this fqy from *2200-2330+ w/pop mx, ads,
 nx, ID, skeds (Hankins PA, Jordan PA, Snyder NY, Jordan NC, Buer FL, Morby 1/6)
 15595 USSR R. Moscow RP&P in EG 1243, mx, //15475, 15585, 15530, 15540 (Snyder NY)
 15615 ISRAEL Reshet Bet in HB 1239, HB comedy pgm, g (Snyder NY 12/29)
 15630 GRECE Poni Tisheilada in EG 1235, mx, ID, nx, audio poor (Snyder NY 12/29)
 17595 MOROCCO RTV Marocaine in AR 1500, AR mx, ID, nx, //15335, 15360 (Laves TX 1/2)
 17605 NETHERLANDS ANTILLES RN relay in DT 2028, bells & chimes, pips (Hankins PA 1/8)
 17645 LIBYA(t) R. Jamahiriya in AR 1500, Big Ben 4 x 4 bells, ID missed due to noise,
 //15415 on 12/24 and 1/4/88, hrd w/SINPO 443 until covered w/ noise (Laves TX)
 ED: Uerlings OR also hrd AR sta this fqy but thinks it is United Arab Emirates??
 17655 USSR R. Moscow in EG 1215, polit tlk, RS pop mx (Prath FL 12/19) ED: RDI lists
 Afghanistan relay via USSR on this fqy & time slot. Wonder if latter dropped?
 17680 USSR R. Moscow in RS 1230, RS pgm until 1229, then Mayak IS, ID, nx, R. Beijing
 hrd underneath (Prath FL 12/19)
 17705 LIBERIA VOA relay Monrovia in FR 1850, mx, nx, Xmas carols, ID (Tuchscherer WI)
 17715nf USA KUSW Salt Lake City widely hrd on this fqy from 1900-2200 in EG w/pop mx,
 ads, nx, ID, skeds (Eckman CA, Sampson WI, Buer FL, Jordan NC, Hollerman, Morby,
 Gaveras, Hankins PA, Mulvey MA, Figliozzi NY, Bauernhuber NY)
 17780 ITALY RTI in IT 1428, s/off w/birds chirping and ID (Rubin NY 12/25)
 17820 USSR R. Moscow (Kiev) in EG 1245, Soviet pop mx pgm (Prath FL 12/25)
 17838nf BRAZIL R. Surinam Int. in EG/DT 1715, ID's in both lang, mailbag in EG (Buer FL)
 17885 ASCENSION IS. BBC relay in EG 1615, soccer game (Hankins PA 1/9)
 17890 ECUADOR HCJB Quito in SP 2052, pop mx, YL singing SP songs, exc (Hankins PA 1/8)
 21485 MADAGASCAR R. Nederlands relay in EG 0850, "Media Network", p (Park HI 12/31)
 21515nf USA WGSN Scotts Corner, Me. in EG 1845, tlk re Xmas, f (Treibel WA 12/19)
 21540 EAST GERMANY R. Berlin Int. in EG 1220, nx pgm (Rubin NY 11/15)
 21555 SWEDEN RS Home Service in SW 1455, bells & ID, chorals (D'Angelo PA 12/20)
 21600 WEST GERMANY D. Welle in Amharic(p) *1400-1450*, mix of tlks by M & W annrs,
 exotic vocals & instrum - some w/Mideast flavor, xmsn to Afr. (Jordan PA 12/20)
 21605 UNITED ARAB EMIRATES R. Dubai in AR/EG 1300-1350, Mideast male vocals, recita-
 tions, local instrum, ID in EG, nx, cntry on OPBC, p (Jordan PA 12/16)
 21640 UNITED KINGDOM BBC London in Hausa *1345-1415*, BBC IS, lengthy tlk, nx(p),
 cntry(p), reedy flute mx, f (Jordan PA 12/22)
 21645 FRENCH GUIANA RFI relay in FR 1549-1625, rock mx (Uerlings OR, Hankins PA)
 21695 SWITZERLAND SRI in multi-lang *1315-1405, IS prior to s/on, tlks, "Oopah" mx,
 Eg at 1330-1400, nx, "Dateline", nx analysis, into IT 1400, p (Jordan PA 12/9)

 Several repeat loggings listed in last month's issue were not included in the above
 summary. Please consult last month's FRENEX for a more complete update. Again, a reminder
 that the most valuable log reports are those that provide information on rare catches,
 station moves, frequency changes, or new stations. Log slips reporting on stateside VOA
 xmsns or other USA stations are not listed unless there is a frequency change or other
 significant information. Thanks to all who sent in reports this month, especially those
 who arranged their loggings in frequency order and included complete data.

I reacquired the R-71A sold last summer, and rearranged the desktop to separate the speakers for the NRD-525 and R-71A by six feet or so. While binaural and diversity reception techniques have been known for many years, the results are still amazing to me. After tuning in a strong or known signal on the R-71A, I hunt for the parallel frequencies with the NRD-525. Even buried three and four deep on a given frequency, the human brain synthesizes the audio and the weaker parallel signal "pops" out of the noise. Diversity reception... listening to the same frequency with two receivers and antennas... dramatically improves readability. As I write this section of the comments on 1/24, I am listening to AIR-India on 11620 and the two receivers make an otherwise fluttery s1-s2 signal very listenable. Listening to 11620 and 7412 in parallel at 2100, I note a significant delay on 11620 -- interesting, but I don't know why. Possibly the higher frequency is via a daylight long path and 7412 is via a dark short path.

The Australian Broadcasting Commission sent along a new program schedule for the bicentennial year. It appears the DB7 broadcast schedule is virtually unchanged from the DB6 schedule. Some highlights of the programming lineup follow:

Australian Folk Heritage: Denis Gibbons with bush yarns, poems and folk songs from Australia's past. Friday 2030, Saturday 0530, Sunday 1830, Monday 0730, Wednesday 1530.

Bicentennial Features: Commemorating the Australian Bicentenary. Friday 0530 and 2330, Saturday 0230 and 0930, Sunday 1030, Monday 2030, Tuesday 1230 and 1530, Wednesday 0130 and 0730.

Boomerang: Warren Moulton and Michael Taft respond to letters. Thursday 2345, Friday 1713, Saturday 0913 and 1430, Sunday 0113.

Communicator: Roger Broadbent and Mike Bird report on latest trends in the communications world. Sundays 0230, 0730, 1230, 1730, 2030.

Propagation Report: Mike Bird reports the latest solar doings. Monday through Saturday at 0425, 0827, 1225, 1627, and 2027.

Days and times are UTC.

Notes (in no particular order): VDA's Communications World was not heard at 1710 on January 9. Radio Japan's English 1130-1200 via Sackville on 6120 was missing on January 3 and 10; on the 10th, the Sackville relay was all in Japanese from 11 to 12 UT. The schedules for Norway and South Africa effective March 6 are already in hand, but we will hold them until next month's update. WCSN announced a change of frequencies and target areas for 20 and 22 UT effective January 28, and we took advantage of the full schedule announcements to update the target areas for all broadcasts. The East Coast SWL Net on Sunday mornings at 1500 UT on 7240 kHz LSB is prospering. If you are within listening range but not tuning in, you are missing quite some interesting information. The SWL gathering takes place February 13 and 14 in Willow Grove. We will see you there.

61/30/88

This report covers changes entered between 12/28/87 and 01/3
0/88.ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2JB

Start End Time Time (UTC) (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 0200	USA	NCSN	9850								W Afr		01/25/88
0200 0400	USA	NCSN	9850								E Afr		01/25/88
0230 0300	Portugal	R Portugal	9705	9680	6060						NA/Eu/NA	Tue-Sat	01/16/88
0300 0400	Austria	DRF	6015								NA	Sunday only	01/10/88
0300 0400	Japan	R Japan	21610	17845	17825	17810	5960				60S/Asia/NA	560 v Sackville	01/29/88
0330 0400	Austria	DRF	6015								NA	Mon-Sat	01/10/88
0400 0600	USA	NCSN	9870								W Afr		01/25/88
0430 0500	Austria	DRF	11805	6015							HE/WNA/Eu		01/10/88
0500 0600	China	R Beijing	9630								NA	via Spain	01/07/88
0500 0515	Vatican State	Vatican Radio	15190	11725							Africa		01/03/88
0600 0800	Duba	R Havana	9505								Naerics		01/25/88
0600 0800	USA	NCSN	7365								Eu		01/25/88
0600 0620	Vatican State	Vatican Radio	9645	6185							Eu		01/03/88
0715 0730	Vatican State	Vatican Radio	15190	11725							Africa		01/03/88
0900 1000	Japan	R Japan	17810	15235	11840						60S/As/Oc		01/29/88
1100 1130	Israel	Kol Israel	17630	15650	15640	15485	9385				Eu/As/As	11585 alt to 9385	01/19/88
1115 1130	Vatican State	Vatican Radio	17840								Africa		01/03/88
1200 1215	Vatican State	Vatican Radio	17840	15190							Africa		01/03/88
1400 1600	USA	NCSN	13760								As/As/Aus/AZ		01/03/88
1545 1600	Vatican State	Vatican Radio	17730	15120	11810						Eu		01/25/88
1600 1800	USA	NCSN	21515								Africa		01/03/88
1655 2200	USA	VOA	17600	17785	15580	15410					S Afr		01/25/88
1800 2000	USA	NCSN	21515								Afr		01/09/88
1830 1925	Netherlands	R Nederland	21685	17605	15175	6020					E Afr		01/25/88
1945 2045	India	AIR	11860	11620	9910	9755	7412				60S/W Eu/Afr		01/07/88
2000 2200	USA	NCSN	9495								Eu		01/25/88
2045 2100	Vatican State	Vatican Radio	15120	11760	11700	9625					Africa		01/03/88
2050 2110	Vatican State	Vatican Radio	9645	7250	6190						Eu		01/03/88
2105 2205	Syria	R Damascus	11625	9950							NA		01/13/88
2200 2400	USA	NCSN	9495								W Afr		01/25/88
2205 2225	Vatican State	Vatican Radio	11830	9615	6015						W Afr/NT		01/03/88
2300 2400	Japan	R Japan	15300	15280	15195	11800	7280				60S/As/Oc/Am/Eu/NE	11800 Gabon relay	01/29/88
2300 2350	North Korea	R Pyongyang	13650	11735							NA		12/28/87

** DAY OF THE WEEK: Saturday
DT Show

F Portugal 9705 9680 6060

MNS/EWA

61/16/88

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The author is a former editor of The Canadian Amateur magazine and has been an active radio monitor, ham operator, antenna experimenter and writer for more than 30 years.

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