

# FRIENDS

## The NASWA Awards Program

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North American Shortwave Association  
This is to Certify That

North American Shortwave Association  
This is to Certify That

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This is to Certify That



"Unity and Friendship"

All a

Inquire

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**RADIO  
COUNTRY  
LIST  
&  
AWARDS  
PROGRAM**



## NASWA Awards Program:

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

Greetings and welcome to the November Awards Page. The following folks received NASWA Awards during the month of September 1986:

Richard E. DAVIS, Portales, NH: Tropical Band DXer

David JONES, Springfield, TN: Maple Leaf DXer

Ken KASHIWABARA, Panorama City, CA: Ecclesiastic DXer

Kevin KLEIN, Appleton, WI: European Continental DXer

Steven E. LARE, Holland, MI: Senior DX Centurian, South American DXer

Elizabeth NATALE, Ironton, MO: World Wide DXer

Bob STURGEON, Richmond, BC: All Voice of America DXer

Michael C. TOTH, Granada Hills, CA: Senior Time Station DXer

Frank VELCH, Worcester, MA: Senior DX Centurian, Asian Continental DXer, South American Continental DXer, Senior Ecclesiastic DXer, Arab World DXer, ORTYP DXer, Australian DXer.

# NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

WILLIAM E. OLIVER  
Executive Director/  
Publisher - NASWA  
45 Wildflower Road  
Levittown, Pa. 19057

## SAMPLE COPY OF "DXtra" AVAILABLE

A single copy of "DXtra," the new NASWA mid-month updater edited by Bob Hill, is available to any NASWA member for a 22¢ stamp. Bob is doing a fine job, and we think members will be pleased with his efforts. No SASE is necessary, just send a stamp to NASWA HQ, 45 Wildflower Road, Levittown, PA 19057.

Thanks to Abe Lewkowicz for filling in as Distributing Editor and compiling the FRENEX Log Reporters column while John Henault is on vacation. We appreciate it, Abe.

## NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: WRTVH from 1981 thru 1985 and 1973 thru 1975, \$65.00 UPS prepaid. Haley D. Cross, 1361 Devon Lane, Harrisonburg, VA 22801. Phone (703) 433-2263.

FOR SALE: ICOM R71A. New in Sept. '86. With FL-44A, CR-64, and SL-33. Price \$600.00. Chuck Ripple, 1272 Parkside Place, Virginia Beach, VA 23545. Phone (804) 481-6758.

WANTED: Schematic and operating manual for Lafayette BCR-101, late 70's, early 80's vintage. Willing to accept Xerox copies. Kenneth Newman, 2085 Rockaway Parkway, Brooklyn, NY 11236. Phone (718) 968-1019 from 8 to 11 pm weekdays, all day weekends.

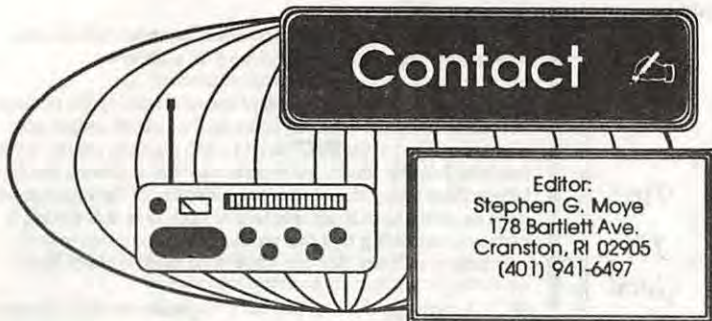
FOR SALE: Special 1985 stamps commemorating "50 Years Swiss Radio International." Mint stamps, \$2.00; first day cover, \$4.00. Price includes air mail postage. Order from Werner E. Rutsch, Haldenackerweg 28, CH-3065 Bolligen, Switzerland. Please remit in US stamps or cash. WANTED: R.I.B. issues 1-110. Offers to Werner E. Rutsch of the address above.

FOR SALE: Uniden CR-2021 with all accessories and original carton. Very good condition. Price \$100.00, I pay shipping. Tom Daly, 18 Phyllis Drive, Pomona, NY 10970.

FOR SALE: High quality fine minute cassettes. Perfect for taped QSL reports, or building a DX library. \$2.45 apiece or five for \$10.00. Remit to Kevin J. Klein, 1204 West Packard Street, Appleton, WI 54914.

FOR SALE: WRTH for 1971, 1973, 1974, and 1975, \$7.00 each. "Guide to RTTY Frequencies," 2nd edition (Gilfer), \$7.00. "99 Ways to Improve Your SW Listening" by Len Buckwalter (1972), \$4.00. "SWL Handbook" by Norman Fallon (1972), \$4.00. Please add \$1.00 postage per book. Frank Aden, Jr., 5147 Morris Hill Apt. 133, Boise, ID 83706. Phone (208) 377-5346 evenings.

FOR SALE: Sony ICF-6700W, \$150.00. Customized Beam Headings (from/to) and Distances (Mi/Km) to over 415 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$5.85. FRENEX complete '84, '85, or '86, \$5.00 each. WRTH '85 or '86, \$6.00. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.



You may remember reading in January's CONTACT a letter sent to *Roland Schulze* by Leopold Lubega, a representative of the home service of Radio Uganda. It was, among other things, a plea for money with which Mr. Lubega could buy an automobile. Somewhat mysteriously (that is, with no explanation at all), he suggested that the money be sent to one Mitoshi Miyazaki who resides in Yokohama, Japan. I now have a letter from *Toshi Ohtaki* (Kamakura, Japan) which sets matters straight:

Re: Jan. 87 issue Contact

After reading the above Contact, I immediately contacted Mr. Miyazaki at the quoted Yokohama address. Mr. Miyazaki is extremely embarrassed with the way he was quoted. He is a car dealer/forwarder to diplomats and aliens living/staying in the port city of Yokohama.

He took care of shipping of Mr. Lubega's first car as a part of a normal business and received a letter of appreciation last October. Mr. Lubega has never stated about this fund raising project, so Mr. Miyazaki is much surprised and embarrassed. By the time of my contact, he has not received any money from anybody concerning this strange fund raising.

Please understand that there is no participation on this raising project from Japan and only an honest citizen is under embarrassed situation.

I hope you clarify this circumstance in the earliest issue of FRENEX.

All this may seem somewhat far afield with respect to matters of interest to some SWLs, but it will serve to indicate some of the interesting possibilities open to those who pursue QSLs.

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And now on to a subject of no little interest - and timely, too. I have frequently stated in this column that FRENEX is one of your most important resources for well informed listening. Of late, the LOG REPORT columns have been showing a marked decrease in listings, because of a marked decrease in submitted loggings. The purpose of the following is, therefore, several-fold. First, and most importantly, it is meant to encourage you to make and submit your logs - they are of use to all of us. (Anyway, isn't it nice to see your name in print?) Second, I want to suggest a few ways that you might use to approach writing your logs - not just for submittal to the LOG REPORTS, but for your own listening pleasure and experience as well.

My most important advice to you is as follows: When you turn on your radio - open your logbook and make good use of it. The reasons for this are several. First, with specific listening notes to refer to, it is much easier to assemble your logs for submittal to Log Reports (that is a hint). Second, keeping your own logs results in your growth as an experienced and well-informed SWL. Third, your logs act as an on-going, timely, and up to the minute supplement to the published listings such as the WRTH, Radio Database International, and the International Listening Guide.

Good listening notes have several important characteristics. Above all, they are concise. Avoid the temptation to take the entire program down in dictation: that would be an excellent way to bore yourself to tears, and, still worse, miss the pleasure of listening (the 'L', after all, of SWL) altogether. On the other hand, logs that are too brief are of little use to yourself, or to anyone else for that matter. A good balance

would conform to the following guidelines:

*Tips  
for  
Good  
Logs  
➡  
Share  
Them!*

(1) Frequency: simple and obvious, but take care: an error here is rather like a mis-shelved book in a library.

(2) Station name and country/site of origin: again, obvious but one or two problems can arise. In the case of several possible sites (e.g., for the BBC) don't be too quick to assume which one you're hearing unless the broadcaster has indicated this fact. Where there is any doubt about the identity of the broadcaster, don't be afraid to indicate this fact; simply note that the log is tentative, indicating that this would be a good place to start next time you listen. You can always go back to check again.

(3) Language: this can be tricky. Experience helps, of course, but if you get into the habit of consulting the major frequency listings, you should begin to gain that experience: by degrees, you begin to associate certain speech sounds with certain broadcasters.

(4) Transmission quality as you are hearing it on your radio: again, experience is the best teacher. I strongly urge you, in any event, to get into the habit of using the SINPO reporting code. The five principal characteristics of a transmission (Signal strength, Interference from other broadcasters, Noise due to atmospheric causes, fading due to Propagation conditions associated with the ionosphere, and the Overall quality of the transmission) are assigned numbers from 1 to 5: the higher the number, the more readable the transmission with respect to the characteristic in question. The advantage to SINPO is that five carefully chosen numbers can succinctly and clearly give a clear idea of transmission quality, and save you the necessity of long prose descriptions. It also lends itself to statistical analysis, if you are that way inclined. More on SINPO presently.

(5) Broadcast content: here, a balance of information and brevity is everything. Perhaps the best approach would be to ask yourself what minimum description you would need if you wanted to remind yourself of a given broadcast, and, furthermore, wanted to distinguish that broadcast from the dozen or so others that you might hear in a day. For example, merely to note that you heard news (nx) would be simply to remind you that you have heard news hundreds of times: not very helpful. But to say that a man with a very strong speech impediment read the news about the Grand High Poobah's visit to Oz is to offer a number of memory hooks for your own use. Or again, to say that you heard 'mx' (music) doesn't convey much; but if you say you heard a very beautiful tango you will remember the broadcast better and convey more information to anyone who might read your logs.

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### Try a bandscan. . .

Bandscans can be good not only for sharpening listening skills, but are also a lot of fun. They go relatively quickly, and there is an enjoyable (and entirely self-applied and completely harmless [indeed, beneficial]) pressure which helps you to keep alert and interested.

The 'rules', if you can call them that, are simple. First, you choose a part of the broadcast spectrum that you're interested in; not too much, or you'll get bogged down. Then you begin at the lower limit of your frequency spread and, working upward, you listen - BRIEFLY (on the order of 2 - 3 minutes) - to whatever you happen to encounter. As you listen, you note (again, *briefly*) what you are listening to. Force yourself to listen only to the salient details of the transmission's content:

*Band-  
scan  
Tips  
→  
Keep  
good  
notes!*

- 1) Can you recognize the broadcaster?
  - a) If you can, all well and good make a notation of the frequency, time and content of the broadcast
  - b) If you can't, consult a reference work such as Radio Database International and make a good guess.

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- 2) Are there two or more broadcasters on one frequency? If this is the case, simply note the frequency and say that there is a certain amount of congestion, indicating how many broadcasters seem to be sharing the same frequency. Listen for a moment or two to see if you can sort out the confusion. Can you recognize the languages? Does the program content (e.g., Middle Eastern style music) help to clarify the situation?

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- 3) In any case, spend no more than about 5 minutes on a given frequency. You are, after all, trying to get a quick overview of band usage. If a given frequency is being a bit of a problem at the moment, leave it and continue your way up the band.

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- 4) Have a bandscan form of some kind at your disposal, so that you can enter the information quickly and efficiently.

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- 5) Have a couple of good reference works handy so that you can check the activity on a given frequency. The WRTH, Radio Database International, and International Listening Guide are good choices.

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- 6) If time permits, when you have worked through the band of interest, go back to the problem frequencies to see if any of them have cleared up. Or, try the same band an hour or so later to check on any possibly interesting changes.

Don't get discouraged if you can't identify everything you hear, or can't sort out the instances of clogged channels. Practice, after all, makes perfect. And you will be surprised how quickly you get a 'feel' for identifying broadcasters, as well as being able quickly to spot unusual activity on a band. Above all: 1) have fun; 2) keep good logs; and 3), share them!

### *Nota bene*

I have noticed of late (actually for quite some time) that it has been fashionable to assert, implicitly or explicitly, that if the solar flux index isn't breaking 100, then you might as well turn off the radio and take up crocheting or tatting. Don't you believe it. There is a lot to listen to. The problem is that it is crammed into a smaller section of the HF band. This means that, as SWLs, you and I have to be a bit sharper and a bit more patient than otherwise might be the case. There is the further implication that if conditions are bad enough that about all there is to listen to are the 'power houses' (e.g., the BBC or Deutsche Welle), that you might as well turn off your radio and use it as a rock garden ornament. NOT TRUE! Not long ago I heard two avid DXers chatting over their recent listening experiences. At length (and in low tones reminiscent of the Confessional) one of them admitted to listening to the BBC; he did so, however, with an air of someone admitting to a dark and evil secret. My point is this: there is an enormous amount of information and entertainment available to you and all you have to do is to turn on the radio - even in times like these when the ionosphere and sun are not being as helpful as they might be. Therefore: enjoy SWL, for what is available. Further, information and logs are necessary not only for elusive DX targets, but for the 'power houses' too.

By the way, I have a bunch of report/data forms; I'll send you copies if you'll just drop me a postcard. I made this offer before, and some people did ask for them. Unfortunately, those requests got lost in the disaster area I call my office. If you'll send me a reminder, I'll get them off to you quickly with apologies for the delay.

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Last month I told you about some new catalogues from several SWL suppliers. A catalogue from *Gilfer Shortwave* [P.O. Box 239, 52 Park Ave., Park Ridge, New Jersey 07656; (201) 391-7887; outside New Jersey orders may be placed by calling (800) GILFER-1] came just too late to be included. Included in this well thought out catalogue is an interesting selection of receivers, antennas, antenna tuners/preamps, books, and magazine subscriptions. Of particular interest to anyone preparing to buy a receiver is the new supplement to Rainer Lichte's *Radio Receiver, Chance or Choice - More Radio Receiver, Chance or Choice* (\$12.95 + \$2 s/h). With the large number and variety of receivers available - some with very hefty price tags - you owe it to yourself to find out as much as you can. These books are the results of actual testing, and the results are presented in the clearest way possible. By the way, *Radio Receiver, Chance or Choice* is \$18.50 + \$2s/h. Highly recommended. The catalogue is free.

The 1987 edition of the *World Radio TV Handbook* is out and, as usual, it is a treasure; another of those valuable listening aids that just about any SWL cannot afford to be without. At \$19.95 it is a steal. It is available from just about every SW retailer, so finding a copy should not pose a big problem.

If you read last month's column, you may remember a letter from Larry Magne in which he pointed out that he would no longer be performing the radio evaluations for the WRTH. Mistakenly, I assumed that there would be no more receiver reviews in the WRTH; particularly in view of the reduced page count. There are reviews however (fairly good ones), though they lack the thoroughness we have come to associate with Larry's work. The question is - who did do the evaluation? There is no indication either in the reviews or in the index. A curiousness. (Later - on Radio Netherlands International *Media Network* [of 22 January], Johnathan Marks revealed that a group from RNI was responsible for the receiver test reports.)

This month's CONTACT was prepared on Aldus Corporation's PageMaker1.2. The font is 12-point Palatino, and was printed on an Apple LaserWriter Plus.

I have just received an announcement from *Gilfer Associates* (see above) to the effect that *Paul Lannuier* will be joining their staff. He will be responsible for the 210 square foot display area "where customers operate and compare the various receivers and roof-top antennas, check out the latest literature on the hobby and view the imported specialties of the firm." Paul's column - *Soundwaves* - is a regular and excellent FRENEX feature.

The graphic at the right is a portrait of Aldus Manutius (Italian printer and inventor of the italic type style); it comes from PageMaker1.2 made by Aldus Corp.



Aldus  
Manutius  
1450 - 1515

Whew! Just enough room to urge you to WRITE and to wish you many  
73s -



Above, a delightful device that can assist in faithfully recreating Aldus' beautiful type.

## MONITORING VOYAGER'S ODYSSEY

Over the years like most of you my hobby of SWLing and DXing has had its high and low points. I can still remember the high points like receiving my first QSL report from a tropical island like Tahiti, or hearing Radio Argentina announcing the "Liberation of the Malvinas Islands", or Argentine Liberty's sexy voice aimed at the British soldiers etc. The following story is truly one of its high points and one which makes the expense of both money and time worthwhile in my view.

I had been vaguely aware of the proposed Voyager trip around the world and in fact had picked up a magazine that had a feature article on the strange craft. At that time it was still in its testing phase. I remembered seeing the article on the test flight of the craft up and down the Western coast of California where Jeana Yeager passed out at the press conference following the test flight. When the announced departure date appeared on the news I was curious as to what method of communication they would use to keep in touch with their control center during the flight. I suspected that it would be either the standard shortwave frequencies used by the commercial airliners when at long distances and over water or it might be something more exotic such as using communication satellites. If they were using high frequency channels I thought that at my location near Toronto Ont. I would have a poor chance of picking them up on the first leg of the journey which would be Westward towards the South Pacific. Needing a path of darkness between myself and the craft would mean having to monitor either at very late in the night or just before daybreak. Unfortunately both work pressure and family pressure just before Christmas ruled that out. However, I had heard many aircraft over africa at night and also over South America and the Caribbeans, so I knew that I would have a very good chance on the return leg of the voyage if they were broadcasting on the HF bands.

Saturday Dec 20 I monitored the normal HF aero frequencies but with no luck. I felt that to a certain extent it would be like looking for a needle in the hay stack. However, on Sunday Dec 21 a friend of mind who also happens to be a amateur radio operator called me to tell me that he had found the frequencies on a local amateur

radio computer board in Oakville. They apparently were using both HF and VHF frequencies. There were ten HF frequencies. These being: 3.004, 5.469, 6.550, 8.822, 10.045, 11.407, 13.312, 17.484, 17.487, and 20.740 Mega Hertz. Armed with the frequencies I rushed down to my trusty Icom R-71A and programmed the frequencies into the memory of the receiver. My luck held up and as soon as I went through the most likely channels I found Voyager at 8.822. The conversation was surprisingly clear between Voyager and their mission control center in the Mojave desert. The craft was at 12.5 degrees North latitude and 60 degrees longitude. At the point in time Dick Rutan radioed that they were experiencing moderate turbulence and mission control was feeding back information in order to help them clear the rough spots as best as possible.

During the evening with the tape machine running I continued monitoring the conversations between Voyager and their mission control. A number of interesting facts came to light. The crew appeared to be sealed in the craft as mission control mentioned the fact that the dome where the pilot was sitting was bolted on from outside. Dick also was concerned that no one touch his craft on landing as there were sealed instruments on the wheel wells which would be removed upon landing. Presumably these were instruments that would give the final data on the flight to confirm the world record. Dick wanted to remove these himself personally. However, mission control were advising against it as they were worried that after being confined in a small enclosure for nine days he might pass out under the plane and that there were people there who could remove the instruments for him.

On the communications side of things I checked my ODXA greyline guide and realized that at this time of year the greyline was passing between where the Voyager craft was off the coast of South America and my GTH. The signal from Voyager was quite strong but not always as clear as it could be. In some cases there was an echo to it and in other cases the quality was limited by the fact that the cabin of the craft was very noisy. I also suspect that the communications from their mission control in the Mojave was augmented by the U.S. Air Force communications equipment at Vandenberg Air Force Base. There was obviously a communications patch with Vandenberg as Vandenberg would sometimes come on the line and identify itself. I suspect that the signal was probably routed to Vandenberg where it was probably amplified and fed into some

large antenna array for both reception and transmission. There was also a backup communications link which used different frequencies on VHF for uplink and down link to U.S. communications satellites. However, while monitoring Voyager, the back up system was tested and it appeared the the old fashioned upper sideband HF frequencies were better. Sometimes old technology is still better! The two frequencies that I monitored Voyager on were 8.822 and later on the Sun. night at 6.550.

On Monday night after work I resumed the monitoring and noticed a degree of concern in the voices of those at mission control. Apparently they were now back over the Pacific and heading up the Western coast of Mexico. However, from piecing the various conversations together I learned that a fuel pump had failed and that they had a backup pump of similar design. As the reason for the failure was not known there was also the danger that the backup pump could also fail which would force them to use their front engine to get back. They were advised that should they have to go to the front engine which was not as efficient fuel wise that there would be adequate fuel to get back. At this point mission control had a number of Dick's and Jeana's relatives on the line with them in order to keep their morale up.

My equipment is relatively modest, being an Icom receiver and an inverted V antenna of forty five feet long per side and fed into an open ladder feedline. However, my equipment proved more than adequate to monitor the unfolding odyssey of the Voyager. The final result of my monitoring was over four hours of tapes of the communications between Voyager and mission control. However, there was also the satisfaction of monitoring a historic event much in the way Lindbergh and Amelia Earhart embarked in long dangerous journeys in small propeller driven aircraft. While the major news networks carried the story as it unfolded I was at least 12 hours ahead of them in that the events I was hearing at night were only being reported on the major networks the following day. It is this kind of event which to me makes the hobby worthwhile and keeps me coming back for more!



André Fredette



## DX'ers Forum

Conducted By:  
Chuck Rippe! WA4HHG - WDX4KU1  
1272 Parkside Place  
Virginia Beach, VA 23454  
E-Mail through ODDX or ACE 885  
DEADLINE: 12th of the Month

So, you have been sitting in front of your shortwave receiver enjoying listening to one of the larger International Broadcasters such as the BBC or Radio Nederland. As you page through your favorite hobby publication, FRENDX, take a moment to ponder, "is there more to Short Wave Listening?" The answer is of course, yes. There are indeed many facets to our very unique hobby. One of these is DX'ing. This column is going to revolve around with what I call "The Science of DX'ing." What will make it a forum is what I hope will be your contribution of input.

As you can see from the header on the page, my name is Chuck Rippe!. For those of you that know me, hello! For those that don't, maybe a short biography of myself and perspective on our hobby would be appropriate. I was first exposed to a short wave broadcast sometime in the summer of 1970. While visiting at a friend's house I heard a broadcast from the Swiss Broadcasting Corporation. How far, far away that seemed at the time! From that moment on, I was hooked. My friend and I became "radio pals" and explored the airwaves together. My first QSL was from Radio Sweden. I'll never forget the day it arrived! My mother picked me up from school one fall afternoon for some reason and with a quizzical look on her face, handed me an onion-skin envelope with strange stamps on it. What a prize that was; the hook went deeper. In 1972 or so I met a gentleman named Ed Shaw. During what turned out to be a lasting friendship and many visits to Ed's Norfolk home, I discovered my niche in the Short Wave Hobby, DX'ing. Ed introduced me to NASWA and demonstrated some of the more advanced techniques of DX'ing and QSL'ing. Later, along with 5 other people in the area, we formed ODDX, the Old Dominion DX'ers Association. If you want to see what I look like, check out page 4 of Shortwave Center in the January 1974 issue of FRENDX. Mine is the third picture down; just add 13 years. Oh yes, the picture of the good looking young lady on the same page is Diane Levesque, official NASWA cartoonist of the time. What ever happened to her?

On February 5, 1974 I became licensed as WN4HHG. This began a long love affair with Amateur Radio which more or less took all my spare time. I went to school, Ed Shaw moved to Kentucky; the SWL hobby and ODDX faded into the sunset. As I climbed the Amateur Radio license class ladder, I reaffirmed my "nich" in Hobby Radio, DX'ing. You know, staying up long nights waiting for that elusive new country to show up and then walking around like a zombie the next day from lack of sleep. This is a "hobby" right? Eg: relaxation!??

While browsing through the many displays during the Virginia Beach Hamfest last September, I walked around a blind corner and EGADS, there was a booth that said ODDX on the banner. Could it possibly be??? The answer is: yes! It was! An enthusiastic group had reformed the club and had taken it well beyond what it ever was. Their enthusiasm caused me to re-think my hobby priorities. The hook had been set again!

It seems to me people who call radio a hobby need 3 things to promote further interest and growth. They need what we call in Amateur Radio an "Elmer." "Elmer" is an experienced hobbist who extends a helping hand to the newcomer. In my case, "Elmer" turned out to be Ed Shaw. The next thing is

they absolutely need to stick together and communicate with their peers. This can be done through local clubs, such as ODDX or SCADS and/or through national clubs such as NASWA. Last, the hobbyist needs to have a feeling of achievement and personal growth. If there is no growth, only stagnation is left. Pretty soon, involvement in a stagnant hobby ends.

The purpose of this column is to be "Elmer" to those who desire their focus of interest in the SWL hobby to be DX'ing. It indeed will be a forum for the exchange of ideas, views and, techniques between those who contribute to this column and it's readers on the subject of DX'ing.

Notice that the header of the column says "Conducted By" rather than "Written By." I would like DX'ers Forum to be what the name says it is, a place where DX related subjects can be discussed and explored. This column and those who read it will benefit greatly from the input I am hopeful you will provide. The true strengths of any club or organization lie in the collective ideas and experiences of it's membership. With that concept in mind and space permitting, I would like to print your questions and feedback here. DX'ers Forum will explore and try to make more understandable the techniques and methods that have proven to be effective tools. Your ideas, observations and, experiences are very important to me! Please use DX'ers Forum to share them with others.

Fortune has it that I have the enthusiastic support of my local club, ODDX, which has offered it's encouragement toward this column. Also, ODDX is fortunate to have what I consider, two top flight SWBC DX'ers, Dr. Harold Cones and Dr. Charles Wootten (the latter of former Short Wave Center fame) as members. They have agreed to contribute on occasion and support the column. There are others in the group without whose encouragement and excitement for the Hobby, ODDX might never have been reformed at all. The Radio Hobby indeed benefits from groups such as this.

On to the meat of things.....

What is DX'ing? In my mind DX'ers are akin to detectives. There must be a bit of Phillip Marlowe or Sam Spade in all of us. The common goal is to solve a mystery and come to a conclusion based on certain clues and facts. How well the available clues and facts are used is a measure of the level of competence a particular DX'er has achieved.

Tune across the 49 meter band and stop on 5.175 at 0100 UTC. I think about everybody will know this one right off. However, as you listen, consider there is a process used to identify the unknown station and solve the mystery. Start putting the clues together and begin to form a hypothesis. Time, frequency, language, and programming are all the data used. Reference material in the form of NASWA Log Reports, Radio Database or, the WRTH can be brought into play. In the end though, that familiar, resounding voice thick with an accent particular to the United Kingdom saying "This is London" will be the telling clue. The mystery is solved, case closed.

Imagine that 9.530 was tuned instead. Also, the programing happened not to be in English. Look at your Radio Database and see who has been heard on that frequency. Whoa!!! That one will require more thought! However the process is really no different than the one used above to identify the BBC. In this case, there is one exception: language cannot be relied upon as heavily to come to a conclusion. Don't be intimidated. Hopefully, you will be hearing only one of the sixteen stations listed in Radio Database as using that frequency.

There is no "black magic" involved in DX'ing. Every DX'er uses basically the same process to go about identifying stations. Where the twist comes is manipulating available data in such a way as to provide clues used to find a particular station!

There is a point everyone reaches when new countries/stations cannot be added to totals by randomly sitting down in front of the rig and spinning the dial. More successful DX'ers have a well thought out, sophisticated game plan when it comes to hearing new countries or stations. The object of this plan is to make the most efficient use of available time in achieving particular DX Hobby goal(s).

Those goals and achievements can include, but are certainly not limited to:

NASWA or other awards	Number of countries heard
Number of stations heard	DX'ing a special part of the World

In this first column, I think it appropriate to feature the virtues of patience as it applies to our hobby from thoughts of a respected DX'er and long time NASWA member, Dr. Charles Wootten.

#### What to do during "THE WAIT"

by Charles A. Wootten

I've been out of the Hobby for several years only occasionally tuning in exotic DX such as VOA, BBC, RSA and HCJB... Those of you who remember me:HELLO! Those of you who don't: I used to be the Short Wave Center editor in FRENEX in the 70's and did a stint as Utility Editor for DSWCI years later, to mention just a couple of things. So, hello! To you, too.

As I write this, I'm sitting in front of the rig; held captive by what I hope is the BBC on 21640 kc/s at 1745 GMT. (Note the archaisms! We actually used them!) Running to the WRTH, a full year of FRENEX loggings and last years Radio Database shows absolutely nothing for this time and frequency slot. Therefore, I must resort to the DX'ers true tool: patience. They are playing some really neat North African music which helps pass the time. Sometimes, you know, the music ain't so neat. Check out Radio Moscow. The stilyagi have invaded the Control Room and have put on decadent Rock'n'Roll! Sigh..... Now I'll get RM confused with Nibi-Nibi!!!

Station identification here on this frequency didn't mention the BBC, but instead, an angry voiced Arab fellow started stridently declaring the whole story about "al-Jamahiriyah" among other things. Not that I understand Arabic, mind you- but patience learned from the past after spending 4-6 hours per day, 7 days a week with the earphones screwed on tightly listening to exotic languages has given me an ability to snatch such words out of seeming gibberish.

Dr. Richard E. Wood, in chapter 4 of his book, Short Wave Voices of the World, (Gilfer, 1969) said, "The listener who has certain familiarity with foreign languages has a distinct advantage in dealing with DX stations. Within a short period of time the more than casual listener will soon be able to distinguish one language from another and even understand certain words and phrases." This is true if you keep at it regularly - sometimes daily. Of late, I haven't. It is 1815 GMT and I still have no idea who it is on frequency and the ambient static level is about to bury this channel. (Any parallel channels are not audible.)

Patience is a virtue that I learned from the "greats." I also learned that listening to the VOA and the BBC in foreign languages helped because they had a tendency to speak slower than the Home Service stations. Even Radio Liberty's Russian is easier to pick out than any of the USSR Home Service Stations.

What caused me to think of all this while trying to ID this station for sure is the reaction of a group of swell guys from the Old Dominion DX'ers Association (ODDX) who are trying to bring me totally back in the Hobby in the same manner that Hauser, Ferguson and Jamison did in the early 70's. I was listening to Africa Number One at sort of a DX-pedition and remembered that I'd not heard this station before. I whipped out a reception report form and started writing the report in French. Those of you who know me recall that I lived for years in Africa and Europe and was then basically isolated from fellow hobbyists. Hours at the rig and judicious use of language dictionaries gave me a small skill that is hard to shake off. I remember the debates over why we should not write to non-English speaking stations in English. I decided then to never write a report except in the language of that country UNLESS they had an English language service. Whew! I never could manage Serbo-Croat! I can imagine the verie signers reactions to the "pidgin" Spanish, "pidgin" Indonesian or some other "pidgin" language that I thought was the real thing! Much the reaction of the ODDX group when I started writing.

It is 1830 GMT and I still have no idea who it is I'm listening to even though a new voice, a foxy woman's voice in boudoir Arabic (do you believe that, REW?) is giving the news. I'm now plugged in through an AUTEK QF-1 determined to find out who is on this frequency.

So, what do you do in situations like this? Write an article! Open a foreign language dictionary, study how to use it and discover the word order of that language. Practice writing reception reports in that language. Use the Language Guides available to the Hobby and add on to them as your proficiency increases. If you have a computer, ignore it until you can write your own report from phrases you've memorized. It's really fun to do that!

Will I write a tentative report on this unidentified Arabic language station on 21640 kc/s between 1745 - 1840 GMT before it was buried under the QRN?

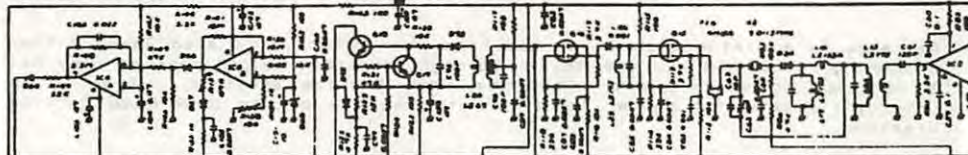
I just did: to you. What do you do while waiting for a station to ID?

-0-

Most of us were brought up in the age of "instant gratification." You know, television, polaroid pictures and the like. Our generation likes things to happen NOW. Patience, a necessary attribute for the successful Short Wave Listener, is sometimes a difficult emotion to give in to and be guided by. Let me offer a practical example: for the last 6 weeks, I have been getting up at 6:00 AM to hear Papua New Guinea Regional Stations. These outlets are very hard to hear on the East Coast. Our best chance occurs during the months of mid-January thru February when some very seasonal Gray Line Enhancement occurs. Still, on more than 75% of the mornings tried, the "PNG's" are unreadable. Without the patience to keep coming back morning after morning, I would not now be able say I have logged 11 of them!

Until next month when we meet again, 73's.

# Technical Topics



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

## IS IT SPRING YET???

OR  
ODDS AND ENDS

Buried under three successive snow storms in one week, your humble editor powers up the word processor. Winter is the "Hot" DX season but other than that it's just plain cold. I don't know how you Snow Belt types manage. This is the time of year I usually clean up the shack and clear out the loose ends for the column. Lots of little stuff that should total up to a good article this month.

Thanks for all the neat letters and comments on the December Tech Topics story. I amongst the pile I received a letter from my dear old friend DARIO MONFERINI. Over the years Dario and I have traded station stickers and stories. Dario has always been a good source for international DX information. Dario wrote to inform us that there is a DXer in Sweden who is making special efforts to help handicapped people enjoy our radio hobby. ERLAND BELRUP has taken action to inform and energize radio groups in his country to work to aid handicapped DXers. He is very willing to share his expertise and would be happy to communicate with anyone interested in this aspect of our hobby. Erland can be reached at the following address.

ERLAND BELRUP, SM7COS  
KULLBOARP  
S-570 16 KULLSFORS  
SWEDEN

Erland asks that folks include 1 or 2 IRCs for return postage as he is on a fixed income. We need a few hundred more people like Erland in our midst.

Several people wrote to ask me why I did not make any mention of HAP in the December article. The reason for this is simply that I can't seem to get a straight answer out of anybody as to HAP's current status or even its existence. I don't feel comfortable printing rumor and innuendo about so important a subject. So if there is still a HAP organization would some officer or other write and tell old Uncle Skip the straight scoop?

And now for something completely different...

I received a nifty care package from LARRY MAGNE. The number of Radio Database International WHITE PAPERS has grown. There are now ten RDI White Papers available to help the discerning DXer make his or her decisions concerning many of the better DX tools out in radio land. Even though I am already the proud and happy owner of a SONY ICF-2010 I found the White Paper for my receiver to be a most useful document. Larry and his staff have long been known for their exhaustive research into receiver performance. Anyone planning to plunk down their hard earned dollars, pounds, lira, yen, etc. would find their money better spent if the first \$4.00 (\$6.00 US outside North America) goes for a White Paper study of the receiver to be purchased.

RDI White Papers are available from participating Radio Database International dealers worldwide. They can also be ordered direct from:

International Broadcasting Services, Ltd.

P.O. Box 300

Penn's Park, PA 18943

USA

The current list of RDI White Papers is:

How to Interpret Receiver Specifications and Lab Tests

RDI Evaluates the Grundig Satellite 650 Receiver

RDI Evaluates the ICOM IC-R71 Receiver

RDI Evaluates the Japan Radio NRD-93 Receiver

RDI Evaluates the Japan Radio NRD-525 Receiver

RDI Evaluates the Lowe HF-125 Receiver (available mid-1987)

RDI Evaluates the Sony ICF-2010/ICF-2001D Receiver

RDI Evaluates the Ten-Tec RX325 Receiver

RDI Evaluates the Trio-Kenwood R-5000 Receiver

RDI Evaluates the Yaesu FRG-8800 Receiver

Remember that's \$4.00 each \$6.00 outside North America US Funds only please. Now if I can just get Larry to send along one of the receivers after he is finished evaluating it.

Just when you thought you've heard it all...

I received a letter from fellow DXer DUSTIN BRANN wanting to know if it is safe to have a receiver like a SONY 2010 go through an airport X-Ray machine. Good question. Getting a good answer for you has taken quite some time and several phone calls. The answer is (drum roll please) MAYBE!!! Engineeringwise it does not seem that any of the components would be subject to damage but for some reason the thought of the LCD display being subject to bombardment makes the hairs stand up on the back of my neck. The most useful information I received in this matter came from a photographer friend who suggests that you call the airline and ask about their policy for physically examining devices that might be destroyed by X-ray. Loaded cameras are a prime example of this type of hardware. Maybe LARRY MAGNE could run one through and include his finding in his White Paper update. If anyone out there has had any experience with this unusual but important subject please let us know. The radio you may save may be Dustin's.

Speaking of the ICF 2010...

I have found a small but painfully annoying flaw in the Sony ICF 2010 design. The battery case is placed in such a manner that the weight of the D size cells press down, breaking contact, and creating little "brown outs" in your listening. The problem seems to center on the inability of the battery compartment door to provide enough pressure on the cells to keep them from moving. The fix is quite simple. Any small piece of plastic can be cut to surround and support the batteries in the case, assuring contact and providing additional pressure when the compartment door is closed over it. I pressed into service a cutting from a plastic orange juice container. I cut the material to the width of the battery compartment opening and long enough to wrap completely around the circumference of a D cell. After the cells are inserted the plastic is walked around the cells girth and then the battery cover is replaced. Its a tight but very sure fit. Didn't your mommy always tell you that orange juice was good for you?

#### CATALOG CORNER

Did you ever try to fix anything without using the right tools? In our increasing complex technological society, finding the right tool for the right job can be a real task. That is, it can be a real task if you do not have a copy of the JENSEN TOOL CATALOG at hand. The Jensen Tool Company is to electronics types what The Snap On Tool company is to grease monkeys. As ICs replace tubes you need smaller and smaller soldering irons to do the job. Jensen has the tools if you have the talent.

JENSEN TOOLS INC.  
7815 S. 46th St.  
Phoenix, AZ 85044-5399  
(602) 968-6231

I hope the Spring thaw has started where ever you are. Keep those cards and letters coming folks.

73,

*Skys* WB2GHA

# NASWA Awards Program

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

Greetings and welcome to the March edition of the Awards Page. The following folks were issued NASWA Awards during the month of January 1987.

Kirk ALLEN, Newkirk, OK: Asian Continental DXer, South American Continental DXPert, All Continent "QRP" DXer (10 Kw), South American Continental DXer, Maple Leaf DXer, Senior DX Centurian, Senior British Commonwealth DXer, Master Pacifica DXer, African Continental DXer

Marlin FIELD, Hillsdale, MI: Senior Ecclesiastic DXer 70 station endorsement

Michael SCHMITZ, M'Gladbach, West Germany: Senior DX Centurian, Senior Venezuelan DXer, Arab World DXer

Bob STURGEON, Richmond, BC: All Continent "QRP" DXer (50 KW)

Hideo SUZUKI, Anju City, Japan: Senior China DXer, European Continental DXer, Asian Continental DXer, Arab World DXer, DXer de Pacifica, Ecclesiastic DXer, Australian DXer

John R. TOW, Pinson, AL: South American Continental DXPert, Emissora Nacional DXer, Senior DX Centurian 160 country endorsement

John M. WILKINS, Wheat Ridge, CO: Senior DX Centurian 160 country endorsement, African Continental DXer

## \*\*\* KAP'S KOMMENTS \*\*\*\*

For those seeking the QRP Awards, CKFX in Vancouver runs 10!!! watts. The 100 watt figure in both WRTVH and RDI is incorrect and has been for some years.

Per the 1986 Radio Amateur's Callbook, for those who asked: W2PNA, Henry R. Bennett, 834 Belmont Ave., Collingswood, NJ 08108

Our thanks to Bob Sturgeon for reminding us that it was he that suggested the use of the Scotts Standard Postage Stamp Catalogue for determining the status of countries eligible for the British Commonwealth Awards.

This is the month for the NU Contest. Furthur details in last month's FRENEX

Speaking of contests, the "World Wide DXer" contest mentioned in the January Awards Page is the last one for the time being. It's a tad discouraging to come up with contests and having only a small handful of folks participating

Regarding some questions about country counting, one country = one country, irregardless of name changes, i.e.: Ceylon/Sri Lanka, Gold Coast/Ghana, Bechuanaland/Botswana, etc.

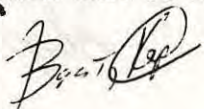
Also, Antarctica counts only toward country counts, it is not needed for "QRP" Awards and, being an International Zone per United Nations resolutions does not count towards any other Awards such as the British Commonwealth series

Many folks DX the Ham Bands and have asked if Ham Band Awards may be obtained by SWLs. Most can, with the glaring exception of the ARRL ones. Garry V. Hammond, VE3XN, 5 McLaren Avenue, Listowel, Ontario, Canada, N4W 3K1 has recently published the 1987 edition of his Guide to Amateur Radio Awards. It is available for \$10 postpaid Airmail in North America and well worth the money. A tip of Kap's Kap to Garry for putting this together.

As previously announced, the Arab World series of Awards will no longer be available effective June 30, 1987

And, to Distribution Editor John Henault, who spent the third week of February in Florida while the rest of us froze in -10 temperatures in New England, #\*#&%%

Till next time,



Radio Countries eligible for the British Commonwealth Awards  
Prepared for NASWA by John M. Kapinos

In response to many queries, we have prepared a listing of Radio Countries eligible for the Senior and Master British Commonwealth DXer Awards. Each of the following Radio Countries is or has been an affiliate of the British Commonwealth of Nations at one time or another and has had Short Wave Broadcast Service. Additions and corrections should be brought to the preparer's attention.

Aden	Malaysia
Antigua	Maldiv Islands
Ascension	Malta
Australia	Mauritius
Azad Kashmir	Montserrat
Bahamas	Namibia
Bahrain	New Britain
Bangladesh	New Hebrides
Barbados	New Ireland
Belize	New Zealand
Bermuda	Newfoundland
Biafra	Nigeria
Botswana	North Borneo
Bougainville Island	Oman
British New Guinea	Pakistan
Brunei	Papua New Guinea
Burma	Qatar
Canada	Sabah
Cayman Islands	Sarawak
Channel Islands	Scotland
Cook Islands	Seychelles
Cyprus	Sierra Leone
Egypt	Singapore
England	Solomon Islands
Falkland Islands	Somali Democratic Rep
Fiji	South Africa
Gambia	Sri Lanka
Ghana	St. Helena
Grenada	Sudan
Hong Kong	Swaziland
India	Tanzania
Iraq	Togo
Israel (Palestine)	Trinidad
Jamaica	Tristan da Cunha
Jordan	Turks and Caicos
Kenya	Uganda
Kiribati	United Arab Emirates
Kuwait	Western Samoa
Lesotho	Zambia
Madagascar	Zanzibar
Malawi	Zimbabwe

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# KAP'S KORNER

John M. Kapinos  
86 South Quinsigamond Ave.  
Shrewsbury, MA 01545

It was indeed interesting to say the least to receive quite a few comments regarding our inaugural KK of last month. Several folks requested that their names not be used for various reasons and our policy is to honor these requests. We will keep all correspondence on file and should the need arise it will be made available only to the NASWA Executive Council.

One person who did give permission to use his name is Errol Urbelis, of Kings Park, NY. Errol states (and I only quote part of his letter due to space limitations) "I have been DXing for the past 30 years and enjoy the hobby as much now as when I started with my Hallicrafters S-53A. I've been a NASWA member since 1964, but don't send reports to the club for several reasons, one of which is that when I did send in an item about SWL Card swapping a few years back the Editor I wrote to (who by the way is still Editor of that rather big FRENEX Section) tried to embarrass me with his editorial comments about the childish and selfish aspects of card swapping. So tell me, NASWA members, would you send in a report if you were going to be put down with his nasty-snide remarks? Of course not, we are not idiots. I thought the idea of NASWA was "Friendship and Unity", not demeaning comments"

(Kap) Errol and I go back a long time, I still have his SWL Swap card from 1956. I remember the incident well. Errol had visited the Dominican Republic on vacation with his family and had some special SWL Cards printed up as a souvenir of his visit.

From another correspondent "I have watched some nasty stuff develop in FRENEX that would scare me away if I were new in the hobby. Let a newcomer try to help out by submitting something to his column and then let that person see a nasty comment after the logging and see how long that person will stay in the hobby. I have never submitted to his column and will not for fear of public ridicule."

"Your article shamed me into sending in some contributions, meager as they might be"

(Kap) I did not mean to shame anyone, shame is much to strong a word.

"It is sad to note that there is no SW Club bulletin extant with columns for the beginner. Early issues of FRENEX had good articles re antennas, propogation, equipment reviews, station histories, etc. Where is the newcomer to our hobby going to learn about the technical aspects?"

To correct an error we made last month, Fine Tuning is no longer a "closed" organization. It is open to any DXer, with emphasis on rare and difficult DX, mostly SWBC. The rate is 50 cents per issue, with a minimum of 10 issues. Bulletins are issued about every two weeks. A sample may be purchased for 50 cents from:

Larry Yamron  
351 Churchill Road  
Pittsburgh, PA 15235

Our reference to Section A in the February issue was ill timed, as unfortunately the Editor of that column was hospitalized and unable to prepare the column.

So that's it for another month. Your comments are always welcome, kindly advise whether or not is it OK to attribute the quote.

# Computer Corner

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

Hello again, and welcome back to the Computer Corner! We have a lot of new stuff to cover this issue, so let's not waste anymore time and get right to the latest news flashes!

## ANARC BBS GOES 1200 BAUD!

The ANARC BBS is pleased to announce service to its users with 1200 baud capacity. The BBS automatically senses the baud rate of your incoming call and sets itself to your rate. The new feature should be operating by the time you read this release.

Additionally, the ability to Up/Download program and sequential text files is returning. The system will be using the popular XMODEM protocol, and should be operative on March 15, 1987.

The ANARC BBS is on-line 24 hours per day at (217)368-3124. The service is operated at no charge by the ANARC Computer Information Committee. Your SYSOP is Bill Krause, and the program was created by Bill Cole.

---

## COMP-SWL

Dave Snyder of New York has established a club for those SW enthusiasts who also enjoy the hobby of computers. "COMP\_SWL" will soon publish its first newsletter.

Dave would like any company which sells software for shortwave enthusiasts (hear this, Bill Cole?), to send him information on their products, and samples of products for review. Additionally, Dave is looking for some editors for the publication. If you are interested, drop him a note, and maybe a sample of your work.

The annual investment for COMP\_SWL will be \$5.00 (US). For a sample copy, send 50 cents to Dave Snyder, 127 Joseph Avenue, Staten Island, NY 10314.

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## NEVERBOARD BBS DOWN, BUT NOT OUT!

A note from the sysop of the ACE BBS reflects that the NEVERBOARD BBS is currently not operational. The problem is that the sysop has moved, and should have it back up soon. Additionally, the ACE BBS will hopefully be able to link with the Neverboard and other SW BBSs using "echomail." If this works, it will enable many more users to distribute information.

## COMPUTER PROGRAMS FOR AMATEUR RADIO

Recently, one of the users of my BBS dropped by with a book which has kept me fascinated (and typing) for many many hours. COMPUTER PROGRAMS FOR AMATEUR RADIO, by Wayne Overbeck and James A. Steffen (Hayden Press), is a collection of high performance programs, all in BASIC, for Apple, TRS-80, C-64 or IBM computers. But, I think high performance falls short of describing these programs...stupendous is more the word I had in mind!

The opening chapter of the book is VERY straightforward and honest..."To be included in this book, each program had to meet two requirements: (1) it had to do something worthwhile in the ham shack-and do it well-and (2) it had to run on several of the most popular brands of personal computers on the market today." Some of the programs in the book include a Comprehensive Logbook with sort and search features, an Awards DataBase, Latitude-Longitude based programs, including a greylane chart, antenna programs and contest logging programs.

While the book is oriented to the ham operator, anyone with some programming knowledge could modify these programs for SWL usage. I have spent 3 days typing in the Logbook program, and now that I have it running properly, I intend to change it to include SINPO, location, etc, so that it is TRULY customized for the SWL/DXer.

In addition to the actual programs and operating instructions, chapters include the evolution of the microcomputer, hardware for the machines, material on BASIC, and an interesting chapter entitled "Things Your Mother (and Maybe Your Dealer) Never Told You about Microcomputers." All in one easy to handle softcover book. A chapter is even included to help you out in case of difficulty...an nice touch, in today's "figure it out for yourself" computer world!

In all, the book represents an outstanding value for the \$14.95 price tag. If you have some programming ability, and have some free time to devote to both the SWL and Computer hobbies, then I urge you get this book, and work towards the ultimate SWL programs! If you are successful, drop ye ol' editor a line, or a copy of the program (C64, please) and we will make it available for all FRENDX users!

---

### CONGRADULATIONS DEPT.

Please join me in extending congratulations to Mr. Chuck Ripple, on joining the FRENDX staff. Chuck will be a column called "DX'ers Forum" here in FRENDX, and I am sure we will want to wish him the best. Chuck is an old-timer in the hobby, having been one of the original members of ODDX back in the days of Ed Shaw (sorry to date you, Chuck). He has been a regular contributor to the ODDX Newsletter, and I am sure he will be a fine addition to us! Welcome Aboard, Chuck!

---

Well, I guess that just about wraps it up for this month. I have received letters from several of you folks, most notably Mike Hardester, with comments and questions. I'm glad to be of help, so give a call or drop a note with your comments or questions, and I will get back to you!

'Till next month,

73  
Tom

## RADIO SANTA ROSA

Radio Santa Rosa was founded on 15 October 1958 by St. Domingo de Guzman as a means of spreading the Gospel of Christ and is operated by the Convent of Santo Domingo, the oldest convent in Lima. It was founded in 1540, five years after the city of Lima was founded by Francisco Pizarro.

The station started with one kilowatt with its plant located in Santa Anita, ten kilometers from the convent, where the studios were located. The distance and the poor conditions of the land impeded the transmissions of the station. To overcome these problems the station's owners moved the transmission plant and the tower to Argentina Avenue. New equipment was obtained in 1967; the power of the shortwave outlet was increased to ten kilowatt, thus enabling it to have not only a national but also international audience.

In its initial broadcasts, Radio Santa Rosa carried only religious programs and music. Today, according to Padre Juan Sokolich A., the director, the station is a "cultural, educational and Catholic station," broadcasting a variety of programs as well as spreading the Gospel as its founder intended.

Radio Santa Rosa, a good verifier (in Spanish), back on shortwave after an absence of several years, uses 6045 khz; its medium wave frequency is 1550 khz. The best time to hear the station is at the beginning of its broadcast day at 1000 UTC. Its schedule calls for the end of the daily transmission at 0430 UTC. The address for reception reports is Casilla 4451, Lima, Peru

## RADIO QUILLABAMBA

Radio Quillabamba is owned by the Centro de Los Medios de Comunicación Social--CEMOS. It is the voice of the Dominican missionaries of the Apostolic Vicariate of Puerto Maldonado in Southern Peru.

Quillabamba, where the station is located, is in the Province of Convención in the Department of Cuzco. It is in a beautiful valley on the banks of the Vicanota and Chuyapi Rivers, serving as a door or gateway to the Peruvian forests to the north. The famous Inca ruin of Machu Pichu is eighty kilometers away. The word Quillabamba, incidentally, is of Inca origin and means "prairie or great plain of the moon."

The station's equipment consists of a Bauer Transmitter for shortwave and a RS Transmitter for the medium wave band. Revox and Akai tape recorders and Lencco and Spartek turntables are used. The station also has FM facilities. The center for the production of its programs is located in the Parish of Quillabamba, which directs and administers the station.

The shortwave outlet is now difficult to hear in North America because Radio Rebelde in Havana on 5025 Khz, Radio Quillabamba's frequency. Padre Rufino Lobo Alonso, the director, states that it is difficult to respond to all the reception reports, especially those from persons sending international reply coupons since they are not accepted in Peru. (In a few cases stations there, such as Radio San Martin, have used them on the return envelope in place of stamps.) DXers, therefore, desiring verifications from stations in Peru should send mint stamps of the country. Over the years Radio Quillabamba has sent a pennant with its confirmations. Its schedule is from 1100 to 0300 UTC.

from information supplied by the station  
Marlin A. Field  
128 Oak  
Hillsdale, MI 49242



# Listeners Notebook

GLENN HAUSER, P.O. Box 490756, Fort Lauderdale, FL 33349

**PROPER CREDIT** Other publications and broadcasters may use material from LN, provided due credit be rendered to the original reporter and the NASWA Listeners Notebook. This courtesy doesn't extend to closed organizations which do not allow reciprocal access to their publication. BBC Monitoring Service items (designated WBI for World Broadcasting Information) are copyright and may not be reproduced without BBCMS permission. The most important items have been broadcast immediately on SWL DIGEST or WORLD OF RADIO, not otherwise mentioned herein. All contributions to LN are gratefully received, but your editor cannot promise a personal reply because of severe time constraints. Material for LN should be marked as such each time, not just on the envelope, as input for other gh outlets also comes to Box 490756. Reports to gh should not be cut into little strips. It also helps if you use one side of paper only, and do not mix LN items with other correspondence. All times, dates and days are day/month GMT = UTC, u.o.s. Please do not ask me for advice on receivers or other equipment. Thanks (gh)

**A B U D H A B I** V of UAE has left 60mb outlet of 4905; now noted on 6125 from 1600 past 2100 w/AR pgming and vy strong sigs, // feeble 5960 (Supratik Sa natani, Calcutta, India, 28/1)

**A L G E R I A** Algerian R and in AR 31/1: some changes as of 1/2 in nx due to listeners' requirements: first bulletin at 0630 ex-06; 3rd at 1830 ex-19; addl nx summaries also introed. New stimulating pgms introed in morns too, such as "Together on the Path of Life" at 0520-08 (WBI 6/2)

**A N G O L A** RNA "A" Pgm; fqs vary; pgms are basic weekday and may vary on weekends. 0000 on 9720 7215 4952 3355/3570 --and same for entire 24h. in PT only; nx in brief for 2 mins at 00, 06, 07, 08, 09, 10, 13, 14, 15, 16, 17, 18, 20, 21; longer News at 04-0405, 05-0520 w/anmts, pgm pwv; 12-1230, 19-1930, 22-2230. Day to Day in the City, magazine pgm on events in Luanda, 11-12.

RNA "B" Pgm = Natl Svc, in PT & verns 06-16 on 11955 9535 7245 incl: 09-11 "Bengo Province Calling"; 1330-1430 Luvalu, 1430-15 Chokwe, 15-1530 Kimbundo, 1530-16 Kinkongo lang. 16-21 "B" pgm becomes Intl Svc: 16-1630 EG. 1630-1730 V of Namibia, SWAPO pgm in EG/verns, 1730-18 R Freedom of ANC Mon-Sat & both one hour later on Sunday & additionally on 4820 every day. 18-1830 Mon-Sat in PT incl "Angolan Fighter" pgm Mon-Sat 1803-1830, 19-20 PT. 20-21 SP.

Provincial & Regional Stns: all provs and most regional centres have a radio stn operating generally 04/05-23. They carry local pgms in PT & verns and also relay some nx from RNA "A" Pgm. No reliable details available but these stns have been reported: by name of Province; all fqs vary frequently: [significance of parentheses unspecified; perhaps unconfirmed -gh]: Bié (4896). Benguela on 6152. Cabinda 4970 5033. Cuando-Cubango (4780). Huambo 7160 5060 3345. Huila 7350 4820 (3994). Lobito 7193 5043. Lunda Norte (4770). Lunda Sul 6115/4860. Malanje (4941). Moxico 5191. Namibe 4015/5402. Uige (4849). Zaire 4885 (WBI 13/2)

**A R M E N I A N S S R** R Moscow, via Yerevan, in AR 1556-1629 on 4990; 1630 2 IDs, piano IS, ID by W & M in Armenian, nx, political talks. 1656 30/1 R RSA s/on same fq (Roland Schulze, Stuttgart, FRG)

**A U S T R I A** Schulungssender des Österreichischen Bundesheeres, 3378, 25/11 & 27/11 0952-1100 on 3378, GM pgm, march mx, Austrian hits // 5055 (John Svendsen, Norway and Jan Bijsterbosch, The Netherlands, Jan DSWCI SW News)

B A N G L A D E S H R Bangladesh, Dhaka, DS, multilingual, mainly Bengali & EG: 0030 on 4880; 0300 change to 4890; 0430 to 6195; 0900 to 6195 4890; 1230 to 4880/4890 until 1715. EG nx: 0110-0120, 0305-0310, 07-0705, 1255-1300, 1530-1540, 1705-1710 (WBI 6/2)

R Bangladesh in EG: 1230-13 on new 21630 ex-15525; former //12030 also unhrd. Ancd the Eu svc in EG 1815-1915 still on 6240 7505 (Craig Seager, Parkes NSW, R Australia Japanese DX Time 8/2)

B R A Z I L R Aparecida, interesting sigs at 0850 5/2 on 9630 immediately after RN closed, w/local ID and TCs, lcl msgs, to 0900, when swamped by strong VOA opening, co-ch, in PT! R Universo, Curitiba, found w/ballads on 9565, ID & TC 0900 5/2, first time noted on new 3lmb fq. Rdif do Amazonas, Manaus, 4805, vy strong at \*0900 9/2, ID & lcl TCs, then ads, audible well past 1000. R Nacional, Manaus, 4845, E at \*0901, lcl relig feature, msgs, into "Indian" style songs and ballads 0905 9/2, still audible past 1000. R Aparecida, 5035, PT style ballads 0905 9/2, also //9630. Rdif Acreana, presumed, 4880, 9/2 0908 Braz songs, well hrd past 1030! Size of sig suggests much higher power in use now. R Inconfidência, 6010, audible again for our new season, PT talks and lcl msgs 0855 12/2 (Bob Padula, Surrey Hills, Vic, Australia)

R Pampa, tent on 3/2 0157 in PT futebol match, no ID hrd, 6160 (C Rigas, IL)

B U R K I N A F A S O Burkina Natl R, Ouagadougou reported 31/1: a new radio stn was born this morn at 0400. This "come-in-and-talk" [French: entrez-parlez] radio will xmit over a 15 km area arnd Ouagadougou on 108 MHz, sked every weekend Sats 04-23, Suns 04-22. Comrade Jean Ida Bazie says this stems from the willingness of the National Council of the Revolution to let the people speak their minds (WBI 6/2)

B U R U N D I Rdif Nationale sked: 3300 at 03-07, 16-21. 6140 at 10-16. On Sun & holidays: 3300 at 03-06, 16-21; 6140 at 06-16. Power is 25 kW. Nx in Kirundi at 04, 1030, 17, 19. FR 0420, 11, 18, 20. SH 0530, 1130, 1630. EG 1145 & 1645 (Robert Shepherd, Feb ADXN)

C A N A D A During March, RCI SWL Digest to Eu Sats at 2116 on 11790 ex-11960. To Af Sats 2137 on 11945 & 15150, but 17820 dropped. From 29/3 due to DST in Eu, the first bc should move to 2016 [if not retimed to 2037] on 17875 17820 15325 11945 and Daventry 9670 5995; and 17820 to resume at 2137. To NAM UTC Sun 0108 on 9755 & 5960, but from 5/4 due to earlied DST in USA, one hour ear-lier at 0008 on same. Final repeat Sun 2308 to Carib remains 9755 11710 (gh)

C H A D Monitoring 15-25 Jan: Libyan radio has continued to xmit DS or ES in AR on fqs used by CNR Ndjamena: 4920 early morn and eve; 7120 daytime. At times a jamming type noise hrd instead, 21/1 and subsequently, Chadian R on 4925, pre- sumably to avoid Lib interference (WBI 30/1) Monitoring 1-3 Feb: Chad continues to change fq: 1/2, 2/2, 3/2 evening on 4898, but 3/2 this fq also had some form of deliberate QRM on it. 2/2 & 3/2, CNR on 7100 ex-7120 for daytime 1025-16 bc. (WBI 6/2) CNR, Ndjamena pgms are in FR, AR, and local langs: Sara, Kanembou, Moundang, Toupouri, Gorane, Massa Zakawa. 05-0730 on 4920 nom varying to 4898. Sun 07-1025 & Sat 0730-1025 & daily 1025-16 on 7120 nom varying to 7100. 1600-2200 on 4920 nom V to 4898. Nx in FR: 0530-0545, 12-1205, 1330-1355, 1845-19, 21-2105. Pgm Pvw in FR at 0503-0505 & 1833-1835 (WBI 13/2)

R Chad, Ndjamena on new 4898, first hrd 31/1 1710+ in AR, moderate sig; next day 0520 on same in FR w/ID, signal S5+30 dB (Roland Schulze, FRG) S9+30? (gh) Chad found as high as 4960 7/2 w/usual FR pgm after a couple of days on 4898, in the 19-21+ period (Bob Padula, Vic)

C H I N A CPBS Taiwan Svc First Pgm, Peking, in Std Chinese, Amoy, Hakka: 0055-0610 on 15710 11925 11100 9455 + MW. 0955-1105 9380 7620 6015 3815. 1105-1405 on 7620 6015 5125 3815. 1405-2220 on 7620 5125 4770 4815. 2220-2305 on 5125 4815. 2305-2400 on 6015 5125 3815. CPBS Taiwan Svc 2nd Pgm, Peking in same langs: 2053-2335 on 6790 5090 4850. 2335-2400 on 9170 6790 4850. 00-0103 on 9170 4850. 0353-0605 on 15880 11000 6095. 0605-0900 on same. 09-1015 on 11000 9170 6095. 1015-1200 9170 6790 6095. 12-1803 6790 5090 4850.

V of the Strait First Pgm, Fuzhou in Std CH & Amoy: 0958-1200 6765 3200, 12-1758 3200 2490. 2058-2330 on same. 2330-2428 on 3200. 2nd Pgm: 04-10 9540 6400 5770 5240 4840. 10-11 6400 5770 5240 4840 4045 3535. 11-12 5770 5240 4840 4045 3535 3330. 12-1630 4840 4130 4045 3535 3330 (WBI 30/1)

# EAST ASIAN DX NEWS

ASIAN BROADCASTING INSTITUTE

Feb. 8, 1987

compiled and translated by Tetsuya Kondo, Japan

## CHINA (PEOPLE'S REPUBLIC)

A survey for Yunnan PBS in January shows its broadcasting schedule as follows:

1st Program (Standard Chinese service);

2150-0100, 0255-0600, 0855-1540 on 7210, 4760, 2460, 1053, 990, 576

2nd Program (Minority languages service);

2155-0100, 1055-1540 on 5960, 1242

3rd Program (Minority languages service);

2225-0030, 1025-1630 on 6937, 2310, 1350

Service for Vietnam:

2230-0130, 0900-1100 on 6035

The 2nd and 3rd Program had been named as the "2nd-1" and the "2nd-2" respectively until Dec. 31, 1986. These services' pgs in detail: 2nd Program; 2155 S/on & Pgs preview, 22 Xishuangbanna Dai 23 Lahu, 00 Lisu, 01 S/off, 1055 S/on & Pgs preview, 11 Pgs for compatriots out of Yunnan border, 1140 Literature, 12 Lisu, 13 Xishuangbanna Dai, 14 Lahu, 15 Pgs for compatriots out of Yunnan border, 1540 S/off, 3rd Program; 2225 S/on & Pgs preview, 2230 Dehong Dai, 2330 Jingpo, 0030 S/off, 1025 S/on & Pgs preview, 1030 EG & JP lecture, 1230 Dehong Dai, 1330 Jingpo, 1430 Foreign language lecture, 1630 S/off.

The service for Vietnam, which was first noted on Nov. 4 1986, is relaying Radio Beijing Vietnamese program at 2300-0000, 0000-0100, 0930-1030. See Jan. 3 issue. (Kunihiko Mishida, Tatsuo Gima)

Monitorings in Shanghai City confirm that Shanghai PBS broadcasts R. Beijing English service from 1300-1400 in the 5th Program (1296kHz). It was heard with an announcement first in Std. Chinese at 1258 as "Shanghai renmin guangbo diaantai. Ershi dian, zhuanbo Zhongguo guoji guangbo diaantai yingyu jiemu(xltd:Shanghai PBS. From 21 hour we will relay Chinese International BS English program)". And in English "This is Shanghai Broadcasting Station. We're relaying English language program from Radio Beijing".

"City News and Weather", which was started on Sep. 15, was also heard with an English announcement "This is the local news and weather report from Radio Shanghai".

On TV 5 channel news in English was also identified at 1500-1510 including weather forecast 2 minutes. Cf. Oct. 10 and Nov. 5, 1986 issue. (Isami Hyuga)

The Chinese Radio and TV (magazine) Dec. issue last year reported that the capital English service of R. Beijing would increase its transmission as from Oct. 25, 1986. Addition xmsn: 0400-0500, 1300-1500, 2300-0100 on 91.55MHz. (Satoru Suga)

According to sources, China Central TV Station (CCTV) will initiate English pgs for resident aliens as from Feb. 1. Broadcast at 13-14 exc Sun. The test has been run on 8 ch. since Dec 30 1986 and the English weather forecast of 27 cities worldwide has been broadcast since 1/1. (Nobuo Hina, Hirohide Seki, Takayuki Ishiaaru)

Zhujiang Economical BS, which was launched on Dec. 15, 1986, is now carried out at 2100-1615 on 1062kHz, 95.6MHz, according to its program schedule recently received. (Tatsuo Gima)

Zhujiang Economical BS is also heard on 107.1MHz, 1261, 801, 750 kHz. Observations indicate that there is strong possibility for the frq of 107.1MHz to be transmitted from Zhuhai City, Special Economic Zone(SEZ). Unofficial these 3 MW freqs is presumed to be used for interruption against Taiwan stns on same frqs. 750kHz frq may be radiated from Zhongshan or Zhuhai City. Monitorings are in Macao. Cf. Jan. 3 issue. (Hidetoshi Takashima, Masafumi Mizuide)

Shenzhen PBS, Shenzhen City, SEZ, Guangdong Province, which was called itself without "People's" in the broadcast, is now on the

air at 2225-0500 on 89.8MHz. It has less its own programs and more relaying of CPBS and Guangdong PBS 3rd Program.

This station has two views as to official launch day. CPBS and China Daily reported it as Sep. 15 and Oct. 1, 1986 respectively. Its test xmsn was started on Jan. 1, 1986, according to the letter received by Tatsuo Gima. (H. Takashima, M. Mizuide)

Xinhua News Agency reported on Jan. 17 that Li Hao, secretary of the C.C.P. Shenzhen City Committee criticized the recent tendency of the "bourgeois liberalization" in journalism of Shenzhen and stated to arrange the newspaper, radio and TV stn under the guidance of the party. Kyodo press quoted on the 21th from the Beijing Radio and TV (journal). It said that radio and TV stns in Beijing had to join the struggle of opposition for "bourgeois liberalization" and spelled out intention of tight for radio and TV bcs. (M. Mizuide)

C O L O M B I A Inravisión Ch 2, Bogotá, reported 5/2: Col govt is investigating whether fqs of 3 CARACOL net stns have suffered QRM, believed to be by a clandestine stn of the Nicaraguan contras. Comms Minister Edmundo López said he has ordered a check of pgm recordings of the stns in Sincelajo, Barranquilla and Santa Marta. Sig that interrupted fq of these stns at apx 1300 local time yesterday enabled listeners to hear a conversation between a man and a woman who were recounting results of recent clashes w/Sandinistas. López ruled out possibility that Col'd make a protest to the Nic govt about this because it involved a clandestine stn (WBI 13/2) Obviously referring to R Liberación, which has been confirmed here on 1520 kHz--and WRTH 87 confirms there are stns in Sincelajo and Barranquilla on 1520, but neither is shown as CARACOL, and it's unlikely there'd be stns on same fq in Bqg and nearby Santa Marta. Also counters published reports that R Lib'd be on the air nighttime only. Seems farfetched that even w/overwater path of 600+ miles, high-end 1520 kHz xmsn'd be strong enough in Colombia to QRM locals in daytime; that distance applies to Costa Rica, site denied by contras; if El Salvador it would be 900 miles, partly overland & mountains (gh)

C U B A R Rebelde, 2104-2110 23/12 on 4970, 7 x 710, 33333, while Rumbos was on 4969.5 (Steve H Reinstein, FL, Feb DSWCI SW News)

D E N M A R K Final HFBC sked for M87 1/3 to 3/5 from Copenhagen stn at 12E21, 55N41, 11 db antenna gain on Log Per H; all pgms in Danish only; w/azimuths: 10-11 180 SEu 15165. 11-12 310 Greenland 9720. 12-13 85 India/EAs 15145. 13-14 300 ENAm 15165. 14-15 40 Japan 9580. 15-16 125 ME 11865. 16-17 290 E Canada/Atl Ocean 11945. 1730-1830 310 Greenland 9720. 19-20 150 ME 15165. 20-21 190 SEu on 11875. 21-2130 (Sat/Sun 22) 310 Greenland 9750. 2130-22 190 SEu 11875 M-F. 22-23 265 Caribia [sic] 6130. 23-24 230 SAM 6120. 00-01 305 ENAm 9770. (P&T Denmark 28/1 via Bob Padula, Vic) Note even they eschew Kalaalit Nunaat; and make no reference to DST time changes to one hour earlier as of last Sunday in Mar, as customarily happens (gh)

E C U A D O R Not long ago a respected SW publication reported that all HCJB personnel were packing up and moving to Hawaii. Not true. HCJB World Radio has been interested in operating a stn from Hawaii for years, and that interest continues, but we have never entertained the idea of closing down Quito operations and moving to another location (HCJB English Service News, Feb, via Jan ADXR)

F I N L A N D Uusi Suomi reported 17/1: Yleisradio to start ES in French again, half hour weekly pgm every Sat from Feb, repeated 4 times during the day, to W Eu, Af, NAF, Pac. ES bcs not increased for this but EG reduced [WBI ed note: Finnish ES had included nx in FR until early 1960s] (WBI 30/1) Monitoring 31/1: inaugural weekly FR obs: 0830-09 11935 11755 9655 6120 Eu/WAF/Pac. 1430-15 15400 11945 NAM/Carib. 1630-1655 11850 11755 6120 Eu/ME. Ancd bc at 1830-19 on 11755 9530 6120 to Eu/Af not confirmed due to adverse reception condx. The 0830 & 1830 also ancd as for Finland and vicinity on MW & LW (WBI 6/2)

RSI reported 3/2 on new RF SW xmtr base at Pori: Juhani Niinistö [head of ext'l bc] of R Finland says 3 x 500 kW SW xmtrs will be in opn before stn is completely operational at yearend. Old SW site will be closed by Mayend. 600 kW MW xmtr'll start later during the year along w/new 100 & 250 kW SW. There will be no great upheaval in R Finland sked, but evening svc to NAM'll be resumed (WBI 6/2)

G A B O N Africa No 1 International, a commercial radio svc for FR-speaking Af operated under French-Gabonese control from studios in Libreville and xmtrs in Moyabi, also has an office in Paris, and is sked: 05-06 on 11940 4830, 06-08 on 11940 4830, 08-17 on 15200 7200, 1700-2300 15475 4830; and on 94.5 FM thruout. News in EG: Sun-Fri 0904-0906; daily 1245-1248 & 1500-1502; Mon-Fri also 1502-1504; daily 1853-1858. Nx in FR: 0500-0505, 0530-0545=intl & Pan-African. 06-0615=w/economic. 0630-0645, 07-0705, 0730-0745, 0803-0828=economic, 09-0904, 0930-0932=M-F, 10-1012, 1115-1130, 12-1205=press headlines, 1230-1245=w/magazine, 13-1315, 14-1402, 16-1605, 17-1704, 18-1802, 1830-1853, 19-1915, 20-2005, 2130-2145, 2230-2232 (WBI 13/2)

G R E E C E Monitoring 21/1: R Stn Macedonia from Thessaloniki is obs relaying DS in GK on SW: 06-10=Sun 11595 9935, 10-16 11595 9935, 1625-2215 9935 7000 (WBI 30/10)

G U A M AWR Current states that AWR-Asia is on the air; sked or exact fqs not given (Marlin A Field, Hillsdale MI, 19/2) In that publication the mention was certainly in anticipation. May finally be now, but not confirmed as of 24/2  
KTWR in EG: Sun 0715-0730, Sun/Fri/Sat 0730-0745, daily 0745-09 on (gh) 15115; daily 13-1415 on 9870; Sat & Sun 1415-1430 on 9870 (WBI 30/1) same now?

H U N G A R Y Kossuth Radio, relay HS, via longpath, first time noted via this mode this summer; HG talks, songs in 0750-0800 period 9/2 (Bob Padula Vic)

I N D I A The centre (?) has decided to set up 15 new stns in the northeastern region during the current plan period. The number of MW xmtrs in the region will be increased from 12 to 17, besides 11 new SW xmtrs by the end of current plan (Alakesh Das, Jan IDXCI ADXR)

DX pgm on AIR GOS: Mon 1040 11810 15320 17387 17875; Tue 0050 on 6035 7215 9595 11765 15110 (Y Venkat Ratnam, Jan IDXCI Asian DX Review)

I N D O N E S I A An unlisted RPD stn is hrd on 3075 from arnd 1200 to 1500\* (Sat 1600\*). Pgming is very lively Indo pop & DJ anmts. Nx from Jak after Love Ambon every hour. Lot of req numbers, incl letter from America. Plenty of chuckles from DJ. ID says "Inilah Radio Pemerintha Dari Tingkat Dua...Terimaken" Time ancd in Central Indonesian Time, unID Indo regional on 2511 from arnd 1230 to 1430. Only DZ (?) w/fast Indopops but no ID and no nx relay from Jak. Could be amatir stn (Supratik Sanatani, Calcutta, India, 28/1)

Some details on some RRI stns: RRI Semarang's sked lists 3935 & 2450 SW, 810 & 1770 (!!) MW. Addr is: Jalan A, Jani 144-146 (or P O Box 74), Semarang.

RRI Madiun gives sked as 13-02 & 04-17 on 3286, 02-11 on "120m", 21-0645 & 09-17 on 1008 kHz. Xmttr on 3286 is a 1 kW TGA 1619 into Delta Match antenna.

RRI Surabaya, sked 2130-02 on 585, 3975; 02-0730 on 1206 & 2370, 0730-17 on 585 & 3975; 11-17 on 2370; 17-2130 on 1206 & 2370. Addr: Jln Embong Malang 89, Surabaya (Gordon Darling, PNG, Feb ADXN)

Evening svc of RRI Ujung Pandang hrd on 4753 // 4719 on 8/11; 9/11 these two were not in // thruout xmsn; 4753 relayed RRI Jak Programa Khusus, only on 9/11. Eve svc on 4753 not used since 10/11. RRI Jayapura on 9612 now QRT since mid-Nov. RRI Nabire 6127 off from early Nov but now back from 12/11 to 1130v\* (Hiroyuki Ishii, Japan, Indonesian DX Review, Dec)

QTH ANDAMANS, by Prodyut Banerjee, 9 Dec 1986 in Asian DX Review of IDXCI: :

The ship M.V. Ferze Gandhi lays anchored 15 miles North-East of Port Blair amidst the blue waters of the Andaman Sea. From here the North-Western tip of Sumatera is about 450 miles away and about the same distance away lies Burma and Thailand. On the other hand, the nearest point on the East coast of India is some 720 miles off. All this info I record from the Bay of Bengal Ocean Chart.

When I switch on my RX these facts prove themselves overwhelming. The MW band is full of Thai stations 24 hours of the day. AIR stations rarely fade in and almost never dar to QRM. That is, except AIR Post Blair on 684 kHz. The latter seems to be the only Ind contender. In the Tropical Bands Shortwave the voices are Indonesian, Ind-Chinese and of course lots of U.S. Quis. In the evenings AIR outlets in the 60 and 90 m.b. only he to create hets to prove their existence, on the other hand RRI Band. Aceh (4955), Malaysia (4845), Singapore (5052) are daytimers.

To handle so much of DX is not within my ability so I cut down to the Indonesian alone and that too only Sumatera through with some exceptions.

From here on I record from logs:

Noted all Sumateran Rds signing on between 2250 and 2345 UTC (however Fridays vary). A typical sign on starts with a short play of "Rayuan Pulau Kelapa" or Love Ambon followed by a repetition of a few notes played on a string instrument. Then comes the orchestral music of "Merdeka" anthem followed by opening announcement "Selamat Pagi ... Saudara Pendengar .... Inilah Program Regional Radio Republik Indonesia Stasion Regional Tanjung Karang .... Gelombang 88.36 metres .... " (Good morning .... dear listener .... This is the regional program service from RRI Tanjung Karang .... on a wavelength of 88.36 metres .... )

Ideally IDs are best just after the central news relay from Jakarta which should look out for at every UTC hours.

During the evenings it is worth looking out for the Listener Mail/Request programs. They seem to always have the most jovial DJs with lots of mail. I dare say this is a request program because it is more often than 90 per cent DJ chatter (reading out names and filling up breathing gaps with apa khabar ...., Hello ...., Terima Kasih .... or loud gigles) .... (Apa Khabar means how's life, Terima Kasih is Thank you). However these can prove to be helpful in ID detection work as names of local areas are mentioned frequently.

Sumatera has a strong Islamic religious and cultural background and Koran readings and call to prayers form an important part of daily and in particular Friday broadcasts. During the evenings, before and after the azan Maghrib (evening call to prayer) arabic sounding songs make delightful listening. However don't be surprised to hear Luta Mangeskar, Kishore or Nazia Hussen originals or their Indonesian double during these and other times.

DX challenge in the Tropical bands here is provided by the low powered Indonesian Provincial/District stations (powers ranging from 80 to 500 watts. Once you have tracked them down on their ever changing (drifting) frequencies it is just the beginning .... IDing is difficult because the station do not see reason to give IDs often and why not --- the station is only for a small locality and not for DXing! anyway, patient listening and indirect approaches like catching on to local ads or news and mailbag programs can greatly lead into possible clues so when the rare ID announcement does come through static and fading, chances of "getting" it is greater. On one such occasion be sure to put yourself on your back as I have so often done... after hours of nallbiting.

- 3290 kHz --- RPDT2 KOTAMADYA PEMATANGSIANTAR heard around 1100 for a brief period with local ads and songs, this channel is hopelessly blocked by a chinese powerhouse.
- 3316.4 KHZ --- RPDT2 SIMALUNGUN heard from 1000 fade in; 1230 ID followed by Berita Daerah mentioning Simalungun often. PX is mostly lagu pops in the late evenings; sign off 1430.
- 3428 KHz --- RPDT2 INDRAMATI HILIR, TEMBILAHAN a difficult one here, fading in at 1100 with western pops. 1200 on most evenings noted with Mailbag PX that seems to go on for too long (once ending at 1450). 1458 ID then relays Jak. news and abrupt sign off.
- 3460 KHz --- RPDT2 ACER TIMUR LANGSA provides the best signals, evenings from 1000 to sign off 1520, mornings 2330 to past 0200; IDs are given after Jak news relay but in an incredibly hurried manner!
- 3834 KHz --- RPDT2 LAHUBANRATU RANTAUPRAPAT this one puts in good signal evenings 0930 to s/off around 1530; mornings 2330 to past 0200. 1430 has (3829 to 3835) Berita Daerah and local market news, mornings from 0200 has a string of local ads mentioning Rantauprapat and even store numbers and jalan (street) names, continuing for as much as 15 minutes.
- 3899 KHz --- RPIK KARO KARANJAJE this one presumed, heard around 1200 with pops and announcements. The channel is badly affected by nearby powerhouses to frustrate any long term listening.

Two UNISS on 3178 kHz and 3655 kHz with low mod, signals, both relays Jak. news at 1200, and disappears at 1500, hope to work on them later.

NOTE: RPDT2 stands for Radio Pemerintah DAERAH TINGKAT DUA ... Daerah is local and Tingkat Dua means district. The word KABUPATEN also describes District and can be often heard in Indonesian news bulletins from Jakarta.

RRI Biak on 5451 obs to 1415\* (usually 1200\*) during Nov, but now returned to 1200\* (Hiroyuki Ishii, Japan, Dec IDXR) Eve svc of RRI Biak now on 5501 ex-5451 since 25/11 or 26/11 (Tsutomu Kito, Japan, Dec IDXR)

RRI Sorong morn svc \*2100 obs on 4871 since summer 1985; in early Dec 86 it was on 4875, but now again on 4870 (Hiroyuki Ishii, Japan, Jan IDXR)

RRI Biak on new 5982 ex-5501 at \*08-14+, first noted 12/1; exact closing time not confirmed due to severe QRM from R Korea 5975, VOAsia 5980 (Hiroyuki Ishii, Japan, Jan IDXR)

RPD Tkt 2...Selatan, 3075: G sigs from 1300 f/in to 1530\*, (once 1600\*). ID given quite frequently (in fact too frequent for a regular) and TC in Bagian Tengah. ID positively is however difficult due to distorted audio and initial copy just provides "Radio Pemerintah Daerah Tingkat II...Selatan" or often as "Radio Pemda". I have replayed the tapes several times and dare to suggest that QTH is Hulu Sungai Selatan! Pgm mostly answering listeners' letters and often says "selamat malam Kalimantan Selatan". And w/l ancd as 97.5m. Hulu Sungai Selatan is a district situated in the prov of Kalimantan Selatan. Perhaps if this is so then we have a new RPD on SW! (Prodyut Banerjee, DXpedition in the eastern coast of India on 23-24/1, via Feb IDXR)

I R A N Monitoring 21-26/1: since 21/1 a decrease in number of non-Persian bcs on 15084 from V of the Islamic Rep of Iran during the 0730-2030 period. Generally, Persian DS from Tehran has been carried thruout. Xmsns in EG 1115-1215, Bengali 1215-1315 & 15-16, Urdu 1315-1415, AR 1730-2030 are generally no longer hrd on 15084 but on other fqs. However, exception 24/1 when EG 15084 1115-1215 (WBI 30/1) Too bad--guess getting too many EG listeners on 15084...(gh)

I R A Q R Baghdad, 9635, "Saut ul-Jamahir" AR pgm hrd 1400-1700\* & \*1800-2255\*v; vy strong since 24/1 (Ernie Behr, Kenora, Ont, 13/2)

I S R A E L V of Israel reported 2/2: Proposed VOA relay in Arava will not only serve VOA but also RFE & RL, per iv w/Walter Roberts, member of Am delegation. Final agmt expected soon. Reporter Jeff Black: Roberts is Exec Dir of BIB; says Arava xmtr'll strengthen sig and thus better infiltrate the soft underbelly [sic] of the Soviet Union to reach various Turkish and Muslim ethnic groups there. Yoram Elster, Dir-Gen of Comms Ministry denies RFE/RL have got in thru the back door. Said from beginning Ikr knew they were talking to them as well as VOA. Have Israel's relations w/SU been taken into account? Elster: All this taken into acct, and we have some clauses w/in agmt to cover our ability not to allow certain bcings if we think they may harm our rels (WBI 6/2)

You can bet there will be no anmts: "This is the Voice of America station in Israel" tho Soviet moniters will know which is which. Not the first time VOA's journalistic integrity has been compromised in bilateral agreements in order to attain relay sites--but then its journalistic integrity is always subject to pressure from the Reagan regime, so what does it matter? (gh)

I T A L Y New stn testing on SW: Studio X, 11455 kHz and 6925 kHz variable, 24 hours, 200 watts, xmtr Collins BC-191, QTH: Via San Bartolo 13, Frazione Pian di Bartolo di Crespiano, 50014 Fiesole; on FM 105.6 & 105.75; phone 055/401331. Dir-Mgr Luca Betti (Mr). Report w/2 IRCs (3 from outside Italy) to: Servizio Tecnico, c/o Stefano Mannelli, P O Box 1532, 50100 Firenze 7 (Mannelli, Play-DX 16/2)

K O R E A N O R T H KCBS, Pyongyang DS: 20-0830 on 11680 9665 6100 2850; 0830-15 11680 9665 2850; 15-18 11680 6100 2850. Regional stns relay Pyongyang except around 05-06 w/local pgms: [SW portion only] Hyesan, Yanggang Prov svc on 2300; Kanggye, Chagong Prov svc on 3960; Pyongsong, S Pyongan Prov svc on 3350; Sinuiju, N Pyongyang Prov svc 3920; Wonsan, Kangwong Prov svc 3220 (WBI R Pyongyang ES to Ams [some fqs also to other targets]: 30/1) 00-0050 EG 15160 15140 15120. 00-0050 SP 13650 11735. 10-1050 KR 9977 9715 7300. 11-1150 EG 9977 7300. 11-1150 SP 9715 9600. 12-1250 EG 9715 9600. 12-1250 SP 9977 7300. 20-2050 SP 9325 7300. 22-2250 KR 15160 15140 11735 9530. 23-2350 EG 13650 11735. 23-2350 SP 15160 15140 15120.

Other EG: 04-0450 As 15180 15160 15140. 06-0650 As 15180 15160 15140 15120 07-0750 ME/Af 15340 13750. 08-0850 As 15180 15160 11830 9530. 13-1350 Eu 9345 9325. 14-1450 As 9555 7300. 15-1550 Eu/ME/Af 9977 9960 9325 7300. 17-1750 Eu/ME/Af 9977 9960 9325 7300. 20-2050 Eu/ME/Af 9977 9960 9345 6576 (WBI 6/2)

Pyongyang on new 11335 & 9930 in Arabic political tirade 9/2 2105 (Bob Padula, Vic) BBCMS shows no AR at this time, but at 20-2050 on 9930 6540 (gh)

Nagoya DXers Circle reports two clandestine stations under NK's DS: V of Nation Saving on 4120 0955-1400 & 15-16, as well as 4556.4 03-05, 10-14, 15-1630, 20-2230. Other station is Echo of the Masses on 5885 10-14 for rest of DB6 (RA JP DX 15/2)

K O R E A S O U T H R Korea in EG: 00-01 Am 15575 104.5. 0145-02 ME/Af 15375 7275. 06-07 As/Am 9570 7275 6060. 0615-0630 Eu 13670. 08-09 Eu 13670 7550. 0815-0830 Am 9570. 11-12 ME/Af 15575. 1115-1130 As 11740 7275. 1230-1245 As 11740 7275. 1345-14 As 15575 11740 7275 6135. 14-15 As/Am 15575 9750 9570. 1545-16 Eu/ME 9870 7275. 16-17 Eu 9870 5975. 1715-1730 Eu 15575 9870. 18-19 Eu 15575. 1945-20 Eu 6135 1170. 2030-2130 Eu/ME/Af 15575 7550 6480. 2045-21 5975. 2345-24 15575 15375 9640 7275 (WBI 6/2)

L I B E R I A ELWA from 1/3 sked: 3230 0610-0802 Suns, 1805-2222 Waf langs to Liberia. 4760 0555-0802 & 1725-2230 EG to Lib. 6070 0825-12 Sats & 0825-1757 Suns EG to Lib; 1555-1757 & 1810-2002 FR/Waf langs to Waf [must be weekdays]. 9550 1210-1317 FR/Waf langs to Waf. 11830 0755-0847 Sats & 0655-0902 Suns EG/Waf langs to W&CAf; 1555-2215 EG/FR/Waf langs to W&CAf. 11860 2015-2117 AR to NAF. 11955 0645-0815 AR to NAF. Sked varies with the above on some weekends [sic] (Feb ADXN)

L I B Y A Monitoring 21-23/1: V of Greater Arab Homeland svc in AR from Tripoli obs \*1150 on 21645 //15415. 1330 both fqs carry Lib DS //9600 7120; 21645 hrd to f/out arnd 1600 (WBI 20/1)

M O N A C O TWR hrd on new 6265 in Russian 20-2030 ex-6260 ex-6230 (Craig Seager, NSW, RA JP DX Time 8/2)

N E T H E R L A N D S A N T I L L E S TWR Bonaire tentative M87: 6145 at 0655-11 Mon, 0725-11 Tue-Sun 50 kW 170° to SAm in PT & SP. 9535 03-0530 Sun/MON, 03-04 Tue-Sat 50 kW 327° NAM EG; 9535 0403-05 Tue-Sat 50 kW 285° CAM SP. 9535 0925-1030 daily 250 kW 160° SAm PT/GM. 11815 1110-1255 M-F, 1110-1332 Sun, 1110-1405 Sat 50 kW 336° NAM EG. 11875 2255-0215 daily 50 kW 176° SAm PT/SP. 15355 2325-0045 Mon-Sat, 2325-0030 Sun 250 kW 160° SAm GM/PT/SP (no SP on Sun) (Chuck Roswell, TWR Frequency Coordinator, 11/8/86 via Richard Lemke, St Albert Alta, 17/1) TWR sends out these skeds far in advance but they risk being outdated. E.g., there have been reports of 6185 in use around 0100, a time when the 250 kW xmtr was not shown active (gh)

N E W C A L E D O N I A 9510 reactivated, G arnd 07 w/FR nx 13/2 (Padula)

N E W Z E A L A N D From the recent Royal Commission on Radio--recommendations on radio (extracts) say that 1) the prospect of using a satellite to xmit the ES radio sig be fully and actively investigated as to its potential for reception by island radio stns and by domestic receivers and that costs of such satl xmsns be compared w/the Rangitaiki scheme in terms of economy and effectiveness in reaching island audiences and those in Australia. 2) that the BCNZ continue to operate NZ's external bcng and cassette svcs thru RNZ Intl... 3) that funds for xmsn and opn of RNZI should be provided from general revenue under vote... 4) that either a satl signal or the "Basic System" for HF xmsn from Rangitaiki to the Pac plus Au...should be proceeded with as a priority project acc to the results of the investigation under 1). 9) that the extension of RNZI bcs in EG to SEAs should be actively considered by the BCNZ and interested Depts once the RNZI svcs to Au & SPac are firmly established (via Eric R Broom, UK, Jan DSWCI SW News)

N I G E R I A VoN, 11770, from 2000 EG pgm, mx & NA to 2100\*v, F over jammer 23/1; this fq not hrd here for past 5 yrs; on 7255 from 1900 EG, 2030 Hausa, 2100 FR to 2200\*, vy strong in Jan (Ernie Behr, Kenora Ont)

P A K I S T A N Latest monitored sked of Azad Kashmir R via Islamabad xmtr is: 0045-0430 on 4980, 06-0930 on 7265, 12-18 on 4790. Most pgming in Kashmiri and Urdu, but a relay of EG nx from R Pak at 1600 (Sarath Weerakoon, UADX via RA)

P A P U A N E W G U I N E A RA Melbourne reported 22/1: PNG FM Mr Wingti

said his govt delayed until 21/1 intro of bc TV to safeguard values & interests of PNGuineans. Opening bc made by NG TV Net, owned by West Australian Parry Corp. Australian AP says because of ongoing political tensions over the issue there was no advance publicity before the first bc by NTN. Mr Wingti said the delay from the sked bc date last July had allowed individuals and groups to put their views on the issue to a spl enquiry whose recommendations'd be considered by Cabinet 4/2 (WBI 30/1)

P A R A G U A Y Última Hora, Asunción, reported 17/1: text of letter sent to Natl Admn for Telecomms (Antelco) by R Nanduti owner Humberto Rubín, published as an ad: ZP14 R Nanduti has suspended xmsns as of 1600 today 14/1, since it is impossible to continue normally due to lack of guarantees and inactivity of appropriate authorities. For 9 months, RN has been experiencing continuous jamming, which started by affecting the stn's commentaries; a right granted by the natl constitution, by the universal declaration of human rights, and by the American convention of human rights, to which Paraguay belongs. Lately however jamming has indiscriminately affected ads, mx, reports and mx. Antelco is fully aware of the fact that our stn has been continuously harassed... On 19/5/86 Antelco said "currently, this agency does not have the tech eqp required to determine the source of this jamming"... Our notes denouncing these events have not even received an acknowledgement. RN has reached the bottom of its economic resources owing to not being able to bc paid ads. We have therefore been forced to suspend xmsns until you can guarantee us condx in which to bc normally. We've been informed that the Intl R Assn (AIR) has offered to bring eqp to locate the source of the jamming. If this occurs, RN will go on the air to help to locate the unlawful deed (WBI 30/1) Nanduti means 'spiderweb' in Guarani

P E R U Letter from Alberto Barrionuevo Sánchez, tech dir of R Onda Imperial, say stn has been off SW many yrs but hopes to be back in near future (Marlin Field, MI, 19/2) 1986 WRTVH had it on 5055; plenty QRM there now (gh)

R Altura, 3339.5, 9/1 0225 in SP w/strong sig, SP pop songs, SIDs. R Norandina, 4459.8, 9/1 0350, P thru noise w/ID 0400. R Nueva Cajamarca, 5800.5, 19/1 fair sig at 0115, fqt IDs. R Moyobamba, F on 5016 21/1 0235, 1cl instl mx, TCs, IDs. R Moderna, 4299.4, 21/1 0248, vy weak w/disco mx and big echo ID 0301 (Christos Rigas, Chicago IL)

P H I L I P P I N E S R Veritas Asia, 6160, from 1500 CH pgm & EG sked anmt to 1557\*; G 14/1 over CKZU Vancouver, which is usually stronger (Ernie Behr, Ont)

Monitoring of the 'confidential vote' on the new constitution 2/2 included this harmonic: DZXO on 2376.9 at 1040-1501\*, SIO 332 (Yasushi Ichikawa, Japan, Indonesian DX Review)

R Ng Nayan, change of name from Malarlika [sic], on 6170.3 new fq at 13-1323 23/11, seemingly Tagalog, quiet mx; tent (Finn Krone, Denmark, Jan DSWCI SWN)

R Veritas Asia has two xmtr sites: Palauig with one 250 kW; and Malolos with two 100 kW and one 50 kW. From 1 March they are sked:

100 kW: 9680 21-22 Korean, 22-2330 CH 9740. 2330-24 VT 11705. 00-0030 JP on 15275. 0030-01 Burmese 15195. 01-0130 Karen 15195. 0130-02 Kachin 15195. 02-03 Viet 15195. 10-11 CH 9605. 11-1130 VT 9605. 1130-12 KR 9650. 12-1230 JP 9650. 1230-13 Karen 9595. 13-1330 BM 9595. 1330-14 Kachin 9595. 14-15 VT 9540. 15-16 CH 9540.

250 kW: 21-2130 KR 6200. 2130-2330 CH 7190. 2330-24 VT 9730. 00-0030 JP & 0030-01 BM & 01-0130 Karen & 0130-02 Kachin on 9730 [what a coincidence--that's BBS fq later in the day -gh]. 02-03 VT 9565. 10-11 CH 11755. 11-1130 [no lang] 9595. 1130-12 KR 6200. 12-1230 JP 7190. 1230-13 Karen, 13-1330 BM, 1330-14 Kachin 14-15 VT, 15-16 CH all on 6160.

50 kW: 23-2330 CH 15255, 2330-00 IN 15255. 00-0030 Sinhala & 0030-01 Tamil [no fq--15255?]. 01-0130 Bengali & 0130-02 EG 15360, 02-0230 Telugu 15275. 12-1230 IN 15240, 1230-13 CH, 13-1330 Sinhala, 1330-14 Tamil all 15120. 14-1430 BG & 1430-15 EG 15215 [sic--should be 15-1530, no? To match // 9710 below -gh].

100 kW: 23-2330 CH 9510. 2330-24 IN 9510. 00-0030 Sinhala 11820, 0030-01 Tamil 11820, 01-0130 Bengali 15135. 0130-02 EG & 02-0230 Telugu 15135. 12-1230 IN 9550. 1230-13 CH 9700. 13-1330 Telugu, 1330-14 Sinhala, 14-1430 Tamil 9700. 14½-15 BG 9710, 15-1530 EG 9710 (Bob Padula, Feb ADXN)

S A I P A N KFBS Saipan, 7365, hrd in RS 15-1700 f/out; pgm includes 30 min segment in other langs at 1530-16 but ancd in RS' apparently for USSR: Sun 25/1

in German, Tue 27/1 in Azeri or similar, Wed in Arabic, Thu in Kazakh(?), Fri not checked, Sat & Mon all in Russian; GM pgm is probably for Kazakhstan & Siberia, but who speaks AR in USSR? (Ernie Behr, Kenora Ont) Any devout Moslem, who wouldn't be very interested in Christianizing (gh)

S L O V A K O C Z E C H I A [new shtik; why should the Czechs always get top billing?] RNMN 22/1 interviewed R Austria GM DX editor Wolf Harranth on the use of 101.8 MHz FM by Czechoslovak [sic] radio: This fq is well above the EUU FM range. R Bratislava came up w/the signal about a year ago, relaying Hvezda (light mx, nx and sport on half hour) and R Melodia (light classics). On 1/1, power dramatically increased "and now the signal is booming full strength stereo". From early morn to 1200 relays R Prague's multi-lingual Interprogramme in GM, EG, FR, CZ, SK; Russian 12-13, then two hours Hvezda and 15-23 R Melodia. A rcvr for this fq range cannot be bought that easily in Czechoslovakia. Here you are w/ES up to now only available on poor quality MW or worse quality SW, now in FM stereo w/single xmtr to potential audience of 2.5 million, a third of Austria's population (WBI 30/1)

R Prague ancd 28/1 in EG: A msg for regular listeners: we've been weighing the question of slightly changing our bcs to the BI & WEu. We'd very much appreciate listeners writing in their preferences: would you prefer a one-hour bc instead of the two half-hour ones? What pgms do you prefer and what other bc time is convenient for you? Respond to R Prague, Prague, Czechoslovakia 12099 (WBI 6/2)

S O U T H A F R I C A R South Africa reported 29/1: SABC ES on R RSA, as well as internal SW xmsns, were disrupted 28/1. Spoxeman for SABC said repairs would continue thruout night, and power supplies were expected to be restored by midday 30/1. Other SW xmsns thru the HF Verwoerd SW stn at Meyerton were also affected. These incl xmsns of R Suid Africa [sic] [the Afrikaans domestic svc] to the Northern Cape and SW Africa, and R 5 and R Orange to the Northern Cape (WBI 6/2) "Were disrupted"?? Rather vague--was this a technical fault or sabotage? (gh)

Monitoring 11/2: a fq sked for M87 shows R RSA changing its 0430-0530 daily xmsn in Lozi for an addl one in Chichewa for Malawi, Zambia & Mozambique. Addl daily bc in Swahili at 09-10. Lozi at 1030-1130 for Caprivi Strip & Zambia is discontinued. From 1/3, R RSA output in Chichewa and SH increased to 14h a week in each. Lozi reduced from 49 to 35h a week (WBI 13/2)

R RSA DX Corner reported 8/2: as from 1/1, SABC DS start one hour earlier at 0300: R Suid Afrika on 4955 & 3320, R Oranje on 3215, R 5 on 4880 (WBI 13/2)

S R I L A N K A SLBC ES, complete: 0030-0230 EG 15425 9720 6005. 0030-05 Hindi 11800 7190 incl Nepalese 0330-04 Wed. 0230-0430 EG 15425 9720. 0430-0630 Sun Hindi 11800 7190. 0630-0730 Hindi 11800 7190 incl Bengali Thu 0715-0730, Urdu Fri 0715-0730. 0730-0830 Kannada 11800 7190. 0830-1330 Tamil 11800 7190 incl Sun 0845-09 Kannada, Sun 0930-0945 Telugu, Sun 1030-1045 Malayalam. 1030-1130 EG 17850 15120 11835 incl JP 1040-1055 Sat & 11-1115 Mon; Sinhalese Sun & Wed 1040-1055. 1230-1730 EG 9720 6075 incl pgm pwv daily 1509-1510 after nx. 1330-1630 Hindi 11800 7190 incl Nepalese Sat 14-1430, Marathi/Bengali Thu 1615-1630, Urdu Fri 1615-1630. 1645-1745 Urdu ME/AF 11800, 1745-1815 EG ME/AF 11800 and 1815-1845 Sinhalese ME/AF 11800. As target for all others. Certain xmsns may include relig pgms produced by AWR (WBI 13/2)

SLBC DS in EG: 00-0230 & 11-1730 on 4940 w/nx 1245-1255, 1515-1525, 17-1710. SLBC Sinhalese Svc Channel One: 00-0230 & 1030-1730 on 4902. SLBC Sinhalese Svc Channel Two: 00-03 & 11-1730 on 4870. SLBC Tamil Svc: 00-03 & 1030-1730 on 5020 4968 (WBI 13/2)

T A H I T I R Tahiti latest sked: FR 16-2045, 22-05, 08-0930; TT 2045-22 & 05-08, on 6135 11825 15170, and unlisted 9753v (Finn Stelmach, RA JP DX Time 8/2)

U N I T E D N A T I O N S UN Radio latest sked lists these relays: via V of Nigeria: Sat only. 06-0615 15185 EG E/C/Saf, 07-0715 17800 EG Naf/Eu/ME. 16-1615 11770 SH E/C/Saf. 17-1715 17800 AR Naf/Eu/ME. 1830-1845 7255 FR Waf/Carib/NAm[!] 19-1915 7255 EG Waf/Carib/NAm[!--if that's what 'NA' means -gh]. 1930-1945 17800 Naf/Eu/ME.

Via R Beijing. Sat only, UN nx magazine w/in these time periods: 09-10 9480 9575 9945 11650 15155 CH to NEAs/SAs/SPac. 09-10 6075 11945 12015 15260 15330 CH to SEAs. 11-12 11650 15155 CH to NEAs/SAs/SPac. 12-13 1341 11600 11755 15280

EG SEAs. 13-14 6075 11945 12015 15260 15330 CH SEAs; 15-16 7065 7080 8260 11755 Bengali SAs. Via RAI [Italy] 1920-1930 9710 11800 15245 AR (Mick Ogrizek, ADXN)

U S A KVOH, 17775, hrd 6/2 2315 offering a 'free' DX-65 rx to anyone who sends a \$100 gift or donation; what's the price of a DX-65 in the US and who would want one? (Ernie Behr, Kenora Ont) A mailing from High Adventure says the minimum is \$140 or \$145. Radio Shack sells it for \$49.95, w/a minimum of features but a SW band in addn to AM & FM; anyone who doesn't know any better (gh)

U S S R Magadan on new 9530, from 0030 local ID & RS talk, 0050 mx, //9600 & 7320; all Good 18/1. Murmansk on 5930 runs one hour later on weekdays; hrd 12/1 w/mx pgm to 2200\*; Sun to 2102\*. R Yerevan, 9470, hrd from 2200 w/IS & Arm pgm, 2249 in SP to 2259; vy strong 3/2, also ancg 25m but not traced; from 2300 Moscow PT pgm (Ernie Behr, Kenora Ont)

Murmansk hrd 4/1 2030-2102\* mixing w/R Prague. Time pips at 2100, then Kremlin chimes and USSR NA, off at 2102; hrd several times since (Christos Rigas, Chicago IL, undated) No fq, but must be 5930, see above (gh)

Weak 3/1 on 5015 betw 0330 & 04 but covered by R Truth at 0400. Should be Arkhangelsk, since it carried Mayak svc. Per WRTH & RDI Vladivostok does not carry Mayak at this time (Christos Rigas, Chicago IL)

V E N E Z U E L A [Cf Dec LN] I've been corresponding with R Yaracuy "v/s" Antonio Campos for a few months now. It's not surprising that he's unk to the stn, since he doesn't work there, but has a friend who does, who has given him addr of persons who have written rpts to stn. Antonio then replies to the writer of the report, hoping to pick him/her up as a new pen-pal. On occasion he has been able to persuade his friend who works at the stn to provide a xerox copy of the old Yaracuy QSL card--at least this is the QSL which I received. Antonio says stn really isn't inclined to QSL anymore since it's expensive, time-consuming and they've received some rather rudely-written reports. He also informs that 4940 is off the air due to a bad xtal which they cannot afford to replace at present (Paul Brouillette, Hoffman Estates IL, 18/2)

If you have problems getting a reply from LV de Carabobo, 4780, you may write directly to the DJ: Jairo Salazar R., P O Box 3551, El Trigal, Valencia 2002, Edo de Carabobo. Enclose 2 IRCs (Dario Monferini, Play-DX 9/2)

V A N U A T U [oops] RA Melbourne reported 7/2: Port Vila has been hit by a cyclone and first reports say there has been considerable damage. R Vanuatu stopped bcng after its xmtrs were damaged and stn's telephones were cut. RA correspondent says RV bldg also has been (?unroofed) and staff & families are sheltering under a cement bldg (WBI 13/2)

V I E T N A M VOV ES: 7419 varies to 7436, sked: 00-0030 Cambodian, 0030-01 Laotian, 01-02 Viet at dictation speed // 6450, 0330-0345 Std CH, 0345-04 Cantonese, 04-0415 Std CH, 0415-05 CN. 11-1130 EG // 12020. 1130-12 Thai, 12-1230 Cambodian, 1230-13 Laotian, 13-1330 Russian, 1330-14 Cambodian, 14-1430 Laotian, 1430-15 CN [diff pgm from 12035 10010 at same time]. 15-1530 Std CH.

VOV in EG: 10-1030 As 12020 9840. 11-1130 As 12020 7419v. 1330-14 As 12020 9840. 1545-16 & 1615-1630 As 12035 10010=possibly target to China. 16-1630 Af 12020 9840. 18-1830 Eu 12020 9840. 19-1930 same. 2030-21 same. 2330-24 same. Some target areas are assumed as not ancd. Total output: 203 hours per week incl Cantonese 36.45. EG 31.30. Std CH 24.30. VT 21.00. JP 15.45. FR 14. Cambodian, Laotian, Russian, SP, Thai all 10.30 each. Indo 7.0 (WBI 13/2)

VOV on new 9732 for EG 10-1030 ex-9840, // 12035. Son La regional, F on 4700 best arnd 1245 tho much Surabaya 4799 [sic] QRM, // 6331 (Craig Seager, RA 8/2) Cf Feb LN for fq changes somewhat unreflected in the above sked (gh)

Y U G O S L A V I A Tanjug nx agcy, Belgrade reported 5/2: SW xmtr [site] nr Bijeljina will be opl by yearend, providing RY reception to even the most distant parts of the world, said Dragan Markovic, dir of stn at meeting of Presidium. Site'll enable bcng of greater number of pgms from stns in the republics and provs for our workers and emigrants. Presidium also adopted work pgm of RY for this year (WBI 13/2)

Z I M B A B W E ZBC hrd on 3396 \*0354 w/NA, drumbeat IS, ID, nx; nothing on 3306 (Christos Rigas, Chicago IL, undated)

**CLANDESTINE CRANNY** R Truth, 5015, 30/1 1725 verns & Af folk  
mx, 1730 IS birdcall, EG pgm to 1902\*;  
ID at 1753 "You are listening to Radio Truth, the voice of freedom, democracy  
and justice" Moderate sig w/little QRM (Roland Schulze, Stuttgart, FRG)

A Voz da Resistência do Galo Negro UNITA pgm in PT 1130-1140 15/12 on new 9496  
(Vashek Kořinek, RSA, DSWCI SWN)

R Bardai Monitoring 1-3 Feb: Stn supporting Transitional Natl Union Govt [GUNT]  
led by Acheikh ibn Oumar, has introed daytime pgm, hrd on 6009 2/2 & 3/2 11-  
1315 apx, in addn to regular 18-2030 xmsn. Pattern of the 11-1315 bc is same as  
eves--apx 30 min in FR, 30 in colloquial AR, rest in Chad verns. At end, ancs  
xmsn "tomorrow at 9:00 on 49m"--no trace of it 3/2. Daytime bcs weekends may  
be diff, since R Bardai hrd 1/2 past 1410 to 1415/1430. R Bardai also ancs in  
FR as R Chad, and Chadian Natl Radio, the same name as that of the stn in Ndja-  
mena (WBI 6/2) Monitoring 1-9 Feb: Study of recording of the 1100 xmsn on 6009  
2/2 reveals it described as an inaugural pgm; repeated at 1800 and again next  
day 3/2 at 1100. Sat & Sun bcs prove extended to 1415 apx rather than 1315 as  
weekdays. Reception condx of R Bardai now diff. Previously, xmtr thot located  
in Sabha (Libya) [desert HQ of Qadhaffi himself per mx reports -gh] but a study  
over the past week of prop condx and aerial bearings now reliably places loca-  
tion of RB xmtr some miles west of Tripoli on the way to Zuwarah. Libyan R main  
SW xmtr site is there. Chance of location could have taken place some time be-  
tween date of prolonged xmtr problems in late Dec 86 and start of daytime xmsn  
at Febegin (WBI 13/2) Anti-Hissein Habré govt of Chad; says it bcs from town of  
Bardai in extreme N Chad. Zuwarah is some 50 mi W of Tripoli. Stn describes it-  
self as the 'voice of liberation'. Skedon 6009: 11-1130 & 18-1830 FR. 1130-  
12 & 1830-19 AR. 12-1315(Sat/Sun 1415) & 19-2030 Sarah & Korah (WBI 13/2)

R SPIA Monitoring 24/1 to 7/2: Over past few weeks, R SPIA, the Sudan People's  
Liberation Army and Movement's radio hostile to the govt in Khartoum, has been  
using two fqs 11710 & 9550 for 11-12 & 13-14 xmsns in Sud verns and EG/AR resp.  
But only ancs 3lmb. The anti-SPIA radio, Sudanese People's Army Forces Pro-  
gramme, first hrd in Sept 1986, recently hrd on 9550 (& sometimes 11710) in gap  
betw the two R SPIA xmsns, namely 12-13. But pgm sometimes overruns and clash-  
es w/R SPIA. Both stns use same signature tune (WBI 13/2)

R Liberty DPA mx agcy reported 4/2 from Munich: The American-financed stn  
complained 4/2 of a considerable increase in Sov jamming; Sovs now using at  
least 8 jamming xmtrs (formerly directed against BBC) against RL, says RFE/RL  
pres Gene Pell. Illegal & violates intl agmts which USSR signed. Despite this  
jamming, stn reaching estimated weekly audience of 52 megadults in SU, EEU,  
Baltic States (WBI 13/2)

R Iran Toilers (Inj Radio Sahamategane Iran) communist stn opposed to Khomeini  
regime, in Farsi on 6230 & 10870 1530-1630; both vary a few kHz. Criticises  
other govts as well. 24/1 a talk on regime of Zia ul Huque [Pakistan] criticis-  
ing it for attacks against the youth (Supratik Sanatani, Calcutta, 28/1)

R Mujahadeen e Khalque, hostile to Khomeini regime, in Farsi intermittently on  
two R Baghdad MW fqs, strong 1431; and 1539. Hrd at 1800 & 2000 // 3930 5960  
7110 (Supratik Sanatani, Calcutta, India, 28/1)

V of the Liberation of Iran Monitoring 3-20 Jan: 20/1, the 1630-1830 bc was  
hrd on former fq 7080 //9027; 7300, used during first week of Jan, seems dropped  
(WBI 30/1)

Corrections & clarifications: V of Democratic Kampuchea \*1100 not 1000. 4230  
is not a MEK fq but V of Fedai; 7110 to 2245\* (Supratik Sanatani, India, 28/1)  
ABI supplied info of cessation--maybe--of R Red Flag & Aug 1 R to Kyodo (ABI)

August First R (Std CH: Ba yi diantai), presumed from FE USSR, not hrd since  
beginning of Dec 1986; anti-Chinese stn first noted 3/3/79 by Jpn DXer (Hide-  
haru Torii, ABI 8/2)

V of the People of Malaysia, 7050: 13-1330 Malay, 1330-14 Tamil, 14-1430 Std CH.  
22-2230 Malay, 2230-23 CH Std, 2300-2330 Tamil. ML: Suara Rakyat Malaysia (WBI)

# QSL REPORTS



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47 Prospect Place  
Bristol, CT 06010 USA

**ANGOLA:** Radio Nacional de Angola 9535 f/d white cd. emblem in 31 mo. for 1 IRC. (Swaringen-NC). in 34 ds. on 3rd f/up rpt. in PT. v/s

LuZIA Falcony. (Tow).

**ARMENIAN SSR:** Radio Yerevan 11790 f/d white cd. in 55 ds. (Forst).

**ASCENSION ISLAND:** BRC 15400 f/d ltr. in 2 mo. for 1 IRC. v/s S.M. Wadswley, Maintenance Engineer. (Rutsch)

**ASIATIC RUSSIA:** Radio Moscow 12050 via Khabarovsk f/d "Lenin Library" cd. in 51 ds. (Forst) 11790 via Blagoveshensk cd. in 51 ds. (Forst). 4825 via Vladivostok f/d cd. in 5 wks. (Allen-OK).

**AUSTRALIA:** Radio Australia 9580 via Shepparton f/d cd. w/ sticker in 1 mo. (Levison-PA). 5995 f/d "Sheep Station" cd. in 63 ds. for 2 IRCs. (Brouillette-IL). 9710 f/d cd. in 1 mo. (Renfrew-NY). VLW9 9610 via Wanneroo f/d "Map" cd. in 56 ds. for 1 IRC. (Kashiwabara-CA). same in 129 ds. for 2 IRCs. (Brouillette)

**AZAD KASHMIR:** Azad Kashmir Radio 3660 f/d ltr. in 36 ds. in 8 mo. after 1 f/up rpt. v/s Yar Muhammad Khan, Engineering Manager. (Bishop-PHIL).

**BALI/LESSER SUNDAS:** RRI Mataram 2392 f/d IN ltr. in 26 ds. \* for an IN/EG rpt. v/s I.D. Ris, BA. (Bishop).

**BELGIUM:** RTEF 7140 f/d cd. in 15 ds. for a FR rpt. (Rutsch-SWIT).

**BELIZE:** Belize Radio One 3285 f/d "Map" cd. in 14 ds. (Cole-CO).

**BENIN:** Radio Parakou 5025 f/d cd. via Cotonou in 26 ds. for a FR rpt. and \* ms. (Wilkins-CO).

**BOTSWANA:** Radio Botswana 4820 f/d cd. in 1 mo. for 1 IRC. (Swaringen). 7255 f/d "Central Primary School" cd. in 35 ds. for 2 IRCs. v/s Ted Makgekgenene, Chief Engineer. (Allen).

4820/7255 f/d cd. in 26 ds. for a taped rpt. and 2 IRCs. (Kashiwabara). f/d cd. in 27 ds. for 3 IRCs. (Tow).

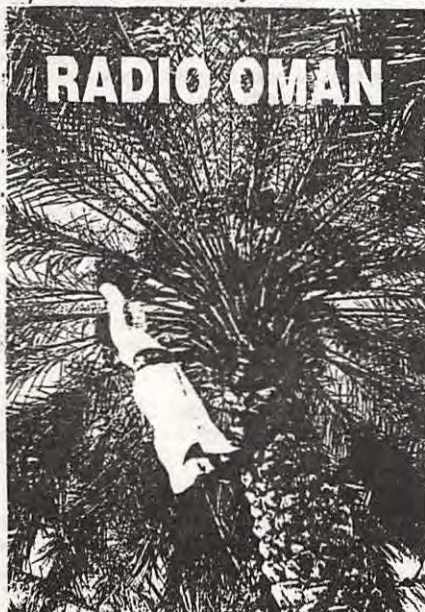
**BRASIL:** Radio Globo 11805 n/d cd. in 2 mo. for a PT rpt. and ms. v/s Cesar Calmon. (Palmerheim-MN). Radiodifusora do Maranhao 4755 f/d cd. in 40 ds. for a PT rpt. and ms. v/s Afonso Augusto Dugue, Director Presidente. (Plum-NJ).

**BURKINA FASO:** Radiodiffusion Nationale du Burkina 4815 p/d ltr. in 2 mo. for a FR rpt. and 2 IRCs. (Eckert-PA).

**BURUNDI:** La Voix de la Revolution 3300 p/d B&W folder cd. in 96 ds. for a FR rpt. v/s Laurent Idikumwami. (George-NC).

**CANADA:** Radio Japan 6120 via Sackville n/d cd. in 27 ds. (Buer-FL). CKZU 6160 p/d cd. in 18 ds. v/s D.J. Harnie. (Allen).

**CELEBES:** RRI Ujung Pandang 4719 f/d cd. in 38 ds. for an EG/IN rpt. v/s H.A. Nyongki, BA. (Bishop). RRI Gorontalo 3265 prepared cd. in 26 ds. 10F an IN rpt. w/ ms. v/s Saleh S. Thalib, Kepala Seksi Teknik. (Davis-NM).



via Chris Rigas

## Radio Korea



THE 10TH  
ASIAN GAMES SEUL 1986

NOTE: John Sgrulletta has recently returned to college. John says that he now has very little time for DXing. If the shortwave bands aren't too active, John spends some of his available time listening to the amateur bands. Larry Goering says that he is a 29 year old Medical Technologist turned postal worker. He enjoys photography, coin collecting and sports. He has been a DXer for about 15 years and a NASWA member for 5 of them. He is using a Kenwood R-1000 receiver and a longwire antenna. Rich D'Angelo has been having difficulty in QSLing Stolnik on 7670. It's been done Rich, just keep sending your reports - vary them a bit. Ken Hill from Somerville, MA points out that NA DXers would probably stand a better chance of getting a King of Hope QSL if reports were sent to High Adventure Ministries, P.O. Box 7466, Van Nuys, CA 91409. Marge Witte says that it's colder in California than in Minnesota. She may move back to God's country to raise good tomatoes. Hi! Also received some very nice correspondence from Michael Schmitz in the FRG, Steve Forst, Kirk Allen, Terry Josey, Shawn Sylvester, Andy Rugg from Nuns' Island, PQ., and Rick Krzemien. Also received shack photo from Steve Lare.



**CELEBES:** RRI Gorontalo 3265 p/d ltr. in 33 ds. on my 5th try for an IN rpt. and ms. (Wilkins).

**CHAD:** Radio Nationale Tchadienne 4920 f/d cd. in 26 ds. for a FR rpt. and 2 IRCs. (Rutsch).

**CLANDESTINE:** Radio Truth 5015 f/d prepared cd. in 140 ds. v/s J. Brown. (Gavaras-MN). Voice

\* of the Libyan People 11640 f/d prepared cd. in 50 ds. for ms. v/s Zaakouk Aly, Director of Information NPSL. Addr: National Front for the Salvation of Libya, 323 South Franklyn, Box A246, Chicago, IL. 60606-7093. (Gavaras).

**COLOMBIA:** Ondas del Meta 4885 f/d cd. in 50 ds. for a SP rpt. and ms. Stickers rcvd. v/s German Castaneda C., (Plum). Radio Super de Medellin 4875 f/d prepared cd. in 3 wks. for a SP rpt. and ms. for an 83 rpt. v/s Ismail Ochon, Gerente. (Palmerheim).

**COSTA RICA:** Radio Impacto TIRS 6150 n/d ltr. in 148 ds. for a SP rpt. and ms. v/s Hector Requena C., Sticker rcvd. (Brouillette). Radio Reloi 6006 p/d cd. in 19 ds. for a SP rpt. and ms. v/s Francisco Barabona G. (Allen). Adventist World Radio 15460 f/d cd. in 24 ds. (Tow). TIPC 5055 f/d cd. in 14 ds. (Tow).

**CUBA:** Radio Moscow 6000 via Habana f/d cd. in 55 ds. (Renfrew). RHC 9740 f/d "Napoleon Museum" cd. w/ decal in 87 ds. (Weiss-OH). Radio Rebelde 5025 p/d ltr. w/ cd. in 4 mo. w/ pennant

THIS WILL CONFIRM THAT Jo Takat HEARD RADIO WOODLAND W/ ON 7155 2000 KHZ AT 0200Z ON 04-23-86 SIGNED Jack McHenry



RADIO WOODLAND

**CYPRUS:** CBC 7180 f/d cd. in 36 ds. for 2 IRCs. (Allen) 7205 f/d cd. in 35 ds. (Tow). BBC 6180 p/d personal ltr. in 22 ds. (Eckert).

**CZECHOSLOVAKIA:** Radio Praha 5930 f/d "South Bohemian Folk Architecture" cd. in 60 ds. (Cole-CO).

**DOMINICAN REP:** Radio Discovery 6245 f/d "Logo" cd. in 3 wks. for ms. v/s Jeff White. (Orcutt-CA) f/d cd. in 17 ds. w/ newsletter and schedule. (Cones-VA).

# RADIO AUSTRALIA



SHARING THE WORLD WITH OUR FRIENDS



THE LAUGHING KOOKABURRA

**DOMINICAN REP:** Radio Discovery 6245 f/d cd. in 7 ds. for ms.(Tow). 15045 f/d cd. in 20 ds. for ms. (Renfrew). f/d cd. in 1 wk. for ms.(Allen). cd. w/ sticker for a taped rpt. w/ ms.(Kashiwabara).

**ECUADOR:** Radio Catolica Nacional 5055 n/d ltr. for a SP rpt, tape and ms. v/s P. Antonio Arregui, Director General.(Rutsch). n/d ltr. w/ sticker in 38 ds. for a SP rpt. and ms.(Forst). La Voz del Upano 5040 f/d form ltr. in 35 ds. for a SP rpt. and 2 IRCs. v/s Luis A. Rivadeneira R., Director.(Brouillette). same in 92 ds. for a SP rpt. and ms.(Van Horn-FL).

**ENGLAND:** MSF 10000 f/d cd. in 75 ds. for 1 IRC.(Forst).

**ETHIOPIA:** Voice of Revolutionary Ethio-  
pla 9560 f/d cd. in 381 ds. for 2 IRCs.(Rigas).

**EUROPEAN RUSSIA:** Radio Moscow 6140 f/d cd. in 61 ds.(Rigas).

**GABON:** Radio Japan 17785 via Movabi n/d cd. in 10 ds.(Rutsch). 9645 n/d cd. w/ sticker in 11 ds.(Weber-OH).

**GALAPAGOS ISLANDS:** La Voz de Galapagos HCVGE 4810 f/d cd. in 44 ds. for a SP rpt. v/s P. Victor Maldonado.(Tow). n/d cd. in 45 ds. for a SP rpt. and ms.(Swarlingen).

**GERMAN DEMOCRATIC REP:** RBI 6125 f/d cd. in 105 ds.(Levison). f/d "Altes Museum" cd. in 51 ds.(Weiss).

**GERMAN FEDERAL REP:** Radio Free Europe 15290 via Biblis f/d cd. in 7 ds. for ms.(Renfrew). Bayerischer Rundfunk 6085 p/d cd. in 65 ds.(Allen). Sddeutscher Rundfunk 6030 f/d cd. in 17 ds. for 2 IRCs.(Allen).

**GUAM:** KTR 9870 f/d cd. in 1 mo. for ms.(Renfrew). same in 2 mo. w/ decal and pennant. v/s Sandy Damick.(Eckert).

**HONDURAS:** Sani Radio HRR 4755 f/d ltr. in 65 ds. for a SP rpt. and 1 IRC. v/s Edward A. Pfister, Program Manager for Operations.(Davis-NM). f/d ltr. w/ schedule in 60 ds. for 2 IRCs.(Renfrew). same in 35 ds. (Tow). La Voz del Junco 6075 f/d cd. w/ personal ltr. in 10 wks. for a SP rpt., tape and ms. v/s Miguel E. Hasbun, Gerente Propietario. Also recvd. tape of "Musica Folklica Honduvana".(Orcutt-CA).

**HUNGARY:** Radio Budapest 9835 f/d cd. in 1 mo. for a GM rpt.(Rutsch).

**ICELAND:** ISBS 11855 f/d cd. in 18 ds. for 2 IRCs.(Eckert).

**INDIA:** AIR Kohima 3268 f/d "Sun Temple" cd. in 8 mo. via New Delhi. v/s H.O. Agrawal. (Bishop). AIR Ranchi 3305 f/d "Elephant" cd. in 8 mo. via New Delhi.(Bishop).

**IRAN:** VOIRI 15084 "War is Ugly" cd. in 58 ds. (Tow).

**IRELAND:** Radio Rainbow International 6240

\* f/d ltr. in 5 wks. for a taped rpt. v/s Kieran Murray said rpt. was the first from outside Europe! 400 watts!(Bares-CT). Great QSL...Sam.

**JAVA:** RRI Yogyakarta 5045 n/d personal ltr. in 1 yr. for an IN rpt., tape and ms. v/s Miss Erwina Ristianni, Public Relations Staff.(Sgrulletta-NY).

Note: Do as Steve did. Send a good quality photo of yourself. We'll try to get it in the QSL Column..Sam.



QSL COLUMN  
REPORTER

Steve Lare

Die Schweiz auf Kurzwelle · La Suisse sur  
ondes courtes · La Svizzera su onde corte  
Empfang in Europa · reception en Europe · ricezione in Europa



David Lawrence, International Program Director.  
KVOC mentioned in ltr. (George).

**LIBERIA:** ELWA 4760 f/d cd. in 21 ds. (Tow).

**MALAYSIA:** Radio TV Malaysia 4845 f/d cd. in 103 ds. According to the QSL card 4845 is Sabah. RDI and WRTH lists site as Kajang. Any ideas out there? (Rigas-IL).

**MALI:** RTM Bamako 4783 f/d "Map" cd. in 51 ds. for a FR rpt. and 3 IRCs. (Copp-IL).

**MONACO:** Evangeliumsrundfunk 6230 f/d cd. in 22 ds. for a GM rpt. (Rutsch).

**MOROCCO:** Radio Medi-Un 13695 n/d form ltr. in 116 ds. v/s Pierre Casalta. (Tow).

**NEW BRITAIN:** Radio East New Britain 3385 personal ltr. in 38 ds. v/s A.L. Rumina. (Tow).

**NICARAGUA:** La Voz de Nicaragua 6015 n/d form ltr. on 3rd try for a SP rpt. and ms. v/s Rodolfo Garcia, Director. Pennant, flag and stickers rcvd. (Brouillette).

**PAPUA NEW GUINEA:** Radio Morobe 3220 p/d ltr. in 81

**KIRIBATI:** Radio Kiribati

\* 14802 f/d cd. in 39 ds. on 3rd rpt. (Tow).

**KOREA, PEOPLES REP:** Radio Pvongvang 15150 f/d cd. w/ personal ltr. stating that mail does not always get through. Pennant rcvd. (Cones-VA).

**KOREA, REP. OF:** Radio Korea  
\* HLA 5000 f/d "Logo" cd. in 75 ds. (Bishop). Radio Korea 15575 p/d "Asian Games" cd. in 53 ds. (Weiss).

**LEBANON:** King of Hope 6280 f/d cd. w/ sticker and ltr. in 85 ds. for ms. v/s

RADIO ÖSTERREICH



INTERNATIONAL



RADIO RAINBOW

INTERNATIONAL

FROM THE EAST COAST OF IRELAND

48 m.  
S.W.

via Gregg Bares

Mailing Address: 151 Moneymore,  
Drogheda,  
Co. Louth,  
Ireland.

QSL (23-1-1977)

Dear G6KGC,

This confirms that you heard Radio Rainbow International on 6750 kHz, on Saturday, 21st Dec. 1977, from U.K. to U.S.A. via G6KGC with a SINO to U.S.A. R.I.

Thank you for your Reception Report. Here are some details about Radio Rainbow International:

We have been broadcasting since July 1965 and at present we use 400 watts fed into a centre fed Dipole Antenna.

We broadcast from Tophy, Co. Louth, on the East Coast of the Irish Republic, which is about 10 miles North of the Town of Drogheda.

We broadcast each Sunday and Our Present Schedule is:

08.00 - 10.00 Relays  
10.00 - 11.00 Jim Agnew Show  
11.00 - 12.00 Kieran Murray's Free Radio News Programme  
12.00 - 12.30 Buddy Eddie's "Going Back in Time Show"

Once again thank you for your Reception Report and we look forward to hearing from you again.

Yours in free radio

*David Lawrence*  
FOR RADIO RAINBOW INTERNATIONAL

ds. v/s K.L. Tropu, Acting Station Manager. (Davis-NM).  
**NEC** 4890 f/d cd. in 40 ds. for 3 IRCs. (Renfrew).

**PARAGUAY:** Radio Nacional 9735 p/d form ltr. via registered mail in 34 ds. for a SP rpt. and 2 IRCs. v/s Carlos Montaner. (Rutsch).

**PERU:** Radio San Martin 4810 f/d cd. via registered mail in 3 wks. for a SP rpt. and 1 IRC. v/s Jose Manuel Chong, Gerente General. (Witte-CA).

**PHILIPPINES:** VOA 9760 f/d cd. in 12 ds. (Renfrew). Radio Veritas Asia 9710 f/d cd. in 43 ds. v/s Ms. Cleofe R. Labindao. (Cole-CO).

**PORTUGAL:** RCI 11915/15315 via Sines f/d cd. in 1 mo. for ms. (Renfrew).

**SAO TOME E PRINCIPE:** Radio Nacional 4805.5 f/d prepared cd. w/ ltr. in 42 ds. for a FT rpt. and 2 IRCs. v/s Antonio Sebastiana. (Wilkins-CO). 4807 p/d ltr. in 52 ds. for a FT rpt. on 2nd try. (Tow).

SAUDI ARABIA: BSKSA 9720 f/d cd.  
w/ ltr. in 55 ds. for 3 IRCs.  
v/s Sulaiman Al-Samman. (Van  
Horn). n/d ltr. in 2 mo. for 2  
IRC's. (Rutsch).

SENEGAL: ORTS 4890 f/d cd. in 1 mo.  
for a FR rpt., tape and ms.  
(Eckert).

SINGAPORE: BBC 11750 f/d "Antenna"  
cd. in 23 ds. via site for ms.  
(Eckert).

SOUTH AFRICA: Radio RSA 6185 f/d  
"Ricksha Puller" cd. in 18 ds.  
for 1 IRC. (Brouillette). 9615  
same cd. in 19 ds. (Levison).  
Radio Five 4880 f/d "Antenna"  
cd. w/ sticker and decal in 1  
mo. for 1 IRC. v/s Minnie Viss-  
er. (Van Horn). Southern Sound  
3930 p/d ltr. in 16 ds. v/s  
Robert E. Edwards, Administra-  
tion-Programmes. (Matthews-OH).

SUMATRA: RRI Tanjung Karang 3395  
f/d "Batu Menyan Beach" cd. in  
EG for an EG/IN rpt. in 197 ds.  
v/s H. Hamdan Syahbeni. (Bishop).

SWITZERLAND: Swiss Radio Internat-  
ional 9885 via Schwarzenburg  
f/d cd. in 17 ds. (Renfrew).

SYRIA: Radio Damascus 12085 cd. in  
100 ds. on my 6th try. v/s Ali  
Shiribati. (Tow).

TAIWAN: Voice of Asia 7445 f/d cd.  
w/ pennant in 136 ds. for 2 IRCs.  
Schedule rcvd. (Rigas).

THAILAND: Radio Thailand 9655 p/d cd. in 2 1/2 mo. for 2 IRCs. v/s Mrs.  
Bupba Laemulung, Head of External Service. (Rutsch).

TOGO: Radio Togolaise 5047 f/d "Globe/Map" cd. in 34 ds. for a FR rpt.,  
tape and ms. (Kashiwabara).

TUNISIA: RTVT 7225 p/d ltr. in EG in 1 mo. after a f/up rpt. in FR for  
2 IRCs. Addr: 4, Rue de Kenya, 1002 Tunis. (Wilkins).

TURKISH FEDERATED STATE OF CYPRUS (Northern Cyprus): Radio Bavrak 6159  
\* n/d folder cd. in 1 mo. for 2 IRCs. Sticker rcvd. (Palmerheim).. Nice!

UGANDA: Radio Uganda 5030 f/d ltr. in 1151 ds. after many rpts. and IRCs.  
v/s L.B. Lubega, Senior Transmitter Engineer. QSL was obtained with  
the assistance of the Uganda High Commission in Ottawa. (Woloch-QUE).

UKRAINIAN SSR: Radio Kiev 6105 f/d "Sviatoslavich Monument" cd. in 11 mo.  
for ms. (Eckert). 7165 f/d "Church of St. Andrew" cd. in 70 ds. (Levison)  
6035 f/d "Kiev Monument" cd. in 56 ds. (Levison). 9640 f/d "Lybid Hotel"  
cd. in 85 ds. (Levison). 7175, 7205 f/d "Tarasova Hill" cd. in 72 ds.

(D'Angelo).  
Radio Mos-  
cow 15585  
via Sinter-  
opol f/d cd.  
in 60 ds.  
(Renfrew).  
5915 f/d  
"Dzerzhin-  
sky Square"  
cd. in 57 ds.  
(Forst).  
7115 via  
Ivano-Frank  
ovsk w/ f/d  
"Bolshoi" cd.  
in 57 ds.  
(Forst).



# QSL

via Chris Rigas

*Estimado oyente.*

*Tengo mucho gusto  
en confirmar su reporte a  
traves de la presente tarjeta  
con la que le doy las gracias  
por sus comentarios y la aten-  
cion de su transmisor y la lista  
de sus recibidos.*

*Concediéndose nuestro apoyo y  
recibe el más efusivo salu-  
do de todos nuestros labo-  
rantes en esta emisora de  
Cuba*

*Saludos y  
de  
el Director*



GHANA BROADCASTING CORPORATION  
P.O. BOX 1633  
ACCRA, GHANA

via Talbot

Dear Sir/Madam,

Thank you for your reception report of our transmission(s)  
on 4915 kc/s heard at Cecc 0636  
G.M.T. on 15 MARCH 1984

We have pleasure in verifying your report which is much appreciated.



17<sup>th</sup> Dec 1984  
PE/w24/067

*mul*  
for Director-General



UNITED ARAB EMIRATES: Dubai  
Radio and Television 9640  
 f/d "Map" cd. w/ schedule  
 and pennant in 24 ds. v/s  
 K.F. Fenner, Chief Engineer.  
 (Cole-CO).

USA: KVOH 17775 f/d "Transmitter  
 Studio" cd. in 50 ds. for  
 ms. Sticker rcvd. v/s Dave  
 Lawrence, International  
 Program Director. (Gavaras).  
 f/d cd. in 3 mo. for ms.  
 (Palmerheim). cd. w/ stick-  
 er in 22 ds. for ms. (Cones).  
 same in 59 ds. for ms. (All-  
 en). in 91 ds. for ms. (Davis)  
 f/d cd. in 3 mo. (Matthews).  
 in 69 ds. for ms. (Wilkins).

in 58 ds. for ms. (Kashiwabara). in 29 ds. w/ personal ltr. and sticker  
 for ms. (Buer-FL). in 83 ds. for ms. (Rigas). cd. w/ ltr. in 70 ds. for  
 ms. (Bishop). cd. in 2 mo. for ms. (Tow). WINB 15145 f/d cd. in 65 ds.  
 (Forst). US Rock via WINB 15185 f/d cd. in 17 ds. for ms. (Josey-SC).  
WHRI 9852.5 f/d "Logo" cd. in 56 ds. for ms. v/s Loren Holycross. (Bro-  
 uillette). WMLK 9455 f/d ltr. in 15 ds. for ms. v/s Elder Jacob O.  
 Meyer. (Buer). KCEI 11735 f/d cd. in 15 ds. (Buer). WRNO 7355 p/d "Globe"  
 cd. in 21 ds. for ms. (Kashiwabara). Radio Earth 7355 via WHRI f/d cd.  
 in 43 ds. for ms. (Josey). Radio Marti 11930 f/d cd. in 1 mo. (Stephany)  
USSR: Radio Station Peace and Progress 13660 p/d cd. in 60 ds. (Renfrew).  
UZBEK: Radio Tashkent 9600/5945 f/d cd. in 60 ds. v/s Florida Sabirova.

Postcards and personal ltr. rcvd. (Weber).

UHAUL: I wonder how many people read this column carefully. I have several  
 radios that I would like to dispose of namely, DX160s, SB313, a BW and  
 many others. They are free - you pick up. Please call 589-0083 after 6  
 PM if you are interested...Sam.

YNEZUELA: Radio Occidente 3225 f/d personal ltr. via registered mail in  
 76 ds. for a SP rpt. and ms. v/s Pbro. Ricardo Silguero L., Director.  
 Addr: Carrera 4a, No. 6-46, Tovar, Estado Merida. (Brouillette). Radio  
Nacional 9540 p/d cd. in 650 ds. (Rigas-IL).

ZAMBIA: ZBS 4910.2 f/d prepared cd. in 2 mo. for ms. after 4 tries. v/s  
 P.M. Lungu. (Palmerheim). 3346 f/d cd. in 321 ds. on 4th try. (Goering).

ZANZIBAR: Radio Tanzania Zanzibar 11734 f/d cd. in 41 ds. for 2 IRCs. v/s  
 Mrs. Tatu Ali Abdulla. Also rcvd. personal ltr. w/ photo of children.  
 Happy w/ this one! (Allen-OK).


Well thats it for this time around. Best of QSLing...Sam.

*Sam*

\*\*\*\*\*RADIO TANZANIA ZANZIBAR\*\*\*\*\*

This is to certify that Mr. Kirk Allen of Ponca City,  
 OK U.S.A. has actually heard a transmission from Radio  
 Tanzania Zanzibar on November 21, 1986 from 2055-  
 2110 Tanzania Standard Time on the frequency of  
 11734 KHz.

Thank you for your report.

(si) 



JERRY A. LINEBACK, Editor  
115 Wroxtton  
Conroe, TX 77304

March 1987

Welcome to NASWA's Scoreboard. We offer the opportunity to all to share their DX totals. This month the Spotlight is on South America. Remember that C/H = countries heard and C/V = countries verified. Country counts are by the official NASWA Radio Country List available from Headquarters. The next Scoreboard will appear in the June issue of FRENEX when the Spotlight will be on Africa. The deadline for the June issue will be May 15.

You must update your totals once a year at the least to remain posted on our Scoreboard. If you have been deleted due to failure to update, please resubmit updated totals for all categories as your data file will have been removed. Many thanks to all who submitted new data for this issue.

Name, State	Total		SA		Best SA QSL
	C/H	C/V	C/H	C/V	
John Tuchscherer, WI	229		15	15	Qollasuyo
Bob Padula, Austral.	223	217	14	14	Encarnacion
Edward Kusalik, Alb.	220	212	15	14	
Jerry Berg, MA	219	217	15	15	R Teleco, Par.
Marlin Field, MI	218	217	15	15	Apintie
Tom Williamson, Ont.	218	203	15	15	Falklands
William Flynn, CA	218	201	15	14	R Apintie 50W
Gerry Bishop, CA	217	195	15	14	Falklands
Tom Gavaras, MN	214	207	15	15	Galapagos
Al Miller, OH	212	205	15	14	Galapagos
John Sgrulletta, NY	207	207	15	15	Falklands
Terry Palmersheim, MN	207	174	13	12	Espectador
Bill Harms, FRG	207	139	15	10	FIBS
Larry Abraham, MI	206	192	15	15	Galapagos
C. J. Orekar, CA	203	192	15	15	Falklands
Mark Koukol, IL	203	181			
Dave Valko, PA	203	170			
Paul Buer, FL	202	187	14	13	Apintie 50W
Alex Vranes, Jr., IA	202	185	14	14	Apintie, 50W
Roland Schulze, FRG	202	183	15	14	LV de Amambay
Ron Howard, CA	200	184	14	14	R Santa Maria
Richard Davis, NM	200	182	15	15	Falklands
Harold Cones, VA	200	179	15	15	Falkl/Galapagos
Steven Lare, MI	200	155	15	10	Falklands
Vladimir Cucura, PA	200	106			
Del Fye, FL	198	180	15	15	Madre de Dios
C. Vernon Hyson, NC	195	178	15	14	Espectador
Mike Hardester, PA	191	179	15	14	Falklands
Rick Krzemien, IL	191	156	13	6	
Michael Schmitz, FRG	191	153			El Sol de Andes
Nelson George, NC	190	166	15	13	SODRE

David Swaringen, NC	189	168	15	12	Espectador
John Bryant, OK	189	153	15	12	FIBS
Stephen Leite, MA	188	160	15	15	Falklands
Kirk Allen, OK	188	151	15	14	R Juan XXIII
Christos Rigas, IL	187	164	15	14	Falklands
John R. Tow, AL	187	162	15	14	HCJB 100W
Jerry Lineback, TX	186	107	14	11	Maranhao
John Meyer, WI	183	146	14	10	Falklands
Charlie Hoffman, PA	182	148			
Ray Forsgren, WI	181	118	13	11	Espectador
Bob McCoy, NE	175	87	15	7	R Americas
Ken Cobb, ME	173	129	14	7	HCJB 26020
Morley Kirkland, Ont.	172	159			
David Jones, TN	170	145			
Gayle Van Horn, FL	170	138	14	11	R Occidente
Sheryl Paszkiewicz, WI	169	145	15	13	Galapagos
Bob Streeter, NY	168	132			
Tom Laskowski, IN	167	128	14	9	HCJB 26020
Norman Bobb, MN	167	1	15		
Thomas Giella, TX	166	5			
Charles Foxx, Jr., VA	157	134	14	11	Chile/Peru
Peter Tutak, WA	157	124	14	11	Falklands
Austin Kelly, IL	156	129	14	12	HCJB 26020
Tom Daly, NY	149	30	12	1	Ecuador
Nolan Stephany, NY	147	128	15	11	Falklands
Steve Forst, PA	143	92	14	7	Guyana BC
Carl Mann, IA	141	121			
Steve Kennedy, TN	138	103	14	7	Guyana
Kevin Klein, WI	136	64	13	5	RN Brazil
Peter Dillon, MD	134	90	11	8	
Fr. John Eckert, PA	132	85	11	5	RN Chile
Kenneth Hill, MA	132	83	11	7	Guyana BC
John Mosman, KS	130	101	15	7	LV del Napo
Ichiro Maruo, Japan	128	86	6	4	R. El Mundo
Dale Park, HI	128	35	10	1	HCJB
Jerry L. Green, TN	127	95	10	6	R N Paraguay
Jim Renfrew, NY	127	72	12	5	R N Paraguay
Keiichi Kondo, Japan	126	82			
Jackie Cole, CO	117	82	10	5	R Nac Chile
Joe Talbot, Alb.	115	93	5	4	YVTO
Joe Kremer, IN	115	62	11	5	Chile
Don Watts, Quebec	108	61	10	3	R. Nac. Ven.
Dustin Brann, MO	108	48	11	2	HCJB
Tom McElvy, VA	107	90			
Bill Thim, CT	105	74			
Tom Mooningham, MD	105	60			
Peter Giacobelli, NY	099	89	6	5	R Bras
David Morby, NY	096	9	11	1	Ecuador
Thomas Ross, IL	094	77	7	5	HCJB 100W
Andy Rugg, Que.	093	69	8	5	R Rural Bras.
E. M. Church, VT	093	57	6	6	
Jim Streitmatter, IN	090	10			R. Monte Carlo
Ronald Purdue, MN	079	43			
Bob Nagel, PA	077	57	7	5	VoChile
Chris Sweitzer, FL	077	40	9	3	RAE
Steve Schaub, IL	069	57	7	5	LV del Cineruco

Thanks again to all our contributors. Please share your totals with your fellow DXers through Scoreboard. Remember, deadline for the next Scoreboard is May 15 and the Spotlight will be on Africa. 73s to all.

Notes (in no particular order): The European service of Radio Yugoslavia has been published numerous times as 1530-1600 on 15240, yet all I ever hear is R Berlin Int'l to SE Asia (1515-1600). A schedule was received from R Jordan showing an expanded English schedule on 9560 from 1230 to 1700 UTC, but is very tough to hear. Slip of the keyboard last month in DX shows: obviously World of Radio is on WRND-6185 and not WHRI Sat at 0400 UTC. On Feb 7, based upon Hauser's WoR and RCI tips, I found a 40 db/9 signal from Libya on 7245, but still announcing 11815, at 2200 sign-on with march music, prayer, and news. There was an open carrier from tune-in 2150. The country and western music at 2240-50 was hilarious. This transmission has been heard throughout the month, always with a good signal. Sweden's changes are effective March 1. Radio Canada International is pushing all European broadcasts except the 2200 broadcast back one hour at the end of March. The mystery of Iraq's English services is solved, but 11760 at 0100 is covered by Havana. Lou Joseph of Boston tells me that he hears Nigeria on 15119 at 1800, but I still only hear Vatican.

The Pinelands RBBS is now sporting a 2400 baud modem. When you call, there is a slight pause while the modem figures out the baud rate and protocol of the originating modem. Significant schedule changes to what you see here are posted in the SWL conference. At the main menu, type j;swl and press [ENTER]. (ENTER and RETURN are synonymous). At the next prompt, type r;\* and press [ENTER] to read all SWL messages since your last login to the SWL conference. To enter a message, just type E, press [ENTER] and follow the on-screen instructions. To return to the main menu, at the functions prompt type j;# and press [ENTER].

Thomas R. Sundstrom	:	The SOURCE:	BCF811
PO Box 2275	:	Compuserve:	(send via MCI Mail)
Vincentown	:	MCI Mail:	244-6376
NJ 08088-2275	:	Telex:	6502446376 (via WUI)
	:	Packet Radio:	W2XQ @ WB2MNF
	:	Pinelands RBBS:	609-859-1910 (24/12/3 8N1)

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#### FOR SALE

For IBM PCs, Compaqs and other PC clones, the program that manipulates the data files and produces these listings for FRENEX is now available. Minimum RAM requirements is 400K after DOS and other memory-resident programs are loaded. \$20 includes shipping (NJ residents add \$1.20 sales tax), check or money order payable to TRS Consultants, PO Box 2275, Vincentown, NJ 08088-2275. The current data files are always included, and updates are available. A demo version is available for download from the ACE BBS (1-913-677-1288) or from the Pinelands RBBS (1-609-859-1910) or by mail for \$4 including shipping (NJ residents add \$0.24 sales tax).

Bearcat 210XL Scanner: 30-50, 144-174, 412-512 MHz, 18 channels. \$125, including UPS shipping. Clean, with manual.

Robot 800C Keyboard: RTTY (Baudot and ASCII, 2 shifts), CW, SSTV character generator, with printer cable. Has video and RS-232 outputs. Clean, with manual. \$250, including UPS shipping.

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ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sundstrom, W2KQ

Start Time (UTC)	Time (UTC)	Country	Station	Frag 81	Frag 82	Frag 83	Frag 84	Frag 85	Frag 86	Frag 87	Frag 88	Target Area	Notes	Record Last Updated
0000	0100	China	R Beijing	9550								EMA		02/09/87
0000	0030	Norway	R Norway	9610	9590							SA	Eng Mon only	02/21/87
0100	0300	Iraq	R Baghdad	11760								NA/SA		02/22/87
0100	0130	Japan	R Japan	17845	17810	15350	15280					GOS/Asia		02/22/87
0130	0138	Greece	V of Greece	9420	9395	7430						MA	Eng news	02/17/87
0200	0250	Fed Rep Germany	R Deutsche Welle	9615	7285	6035	5995					As		02/01/87
0200	0300	Japan	R Japan	17825	11870							Americas		02/22/87
0300	0400	China	R Beijing	15445	11980	11970	9645					MMA		02/09/87
0340	0348	Greece	V of Greece	9420	9395	7430						MA	Eng news	02/17/87
0359	0600	USA	MHR1	7400								SA/Carib		02/07/87
0400	0500	China	R Beijing	11980	9645							MMA		02/09/87
0400	0430	Norway	R Norway	9650								NE/E Afr/MMA	Eng Mon only	02/21/87
0500	0600	Japan	R Japan	17810	15235	9675						GOS/As/NA/Oceania		02/22/87
0500	0530	Norway	R Norway	11860								NE/E Afr	Eng Mon only	02/17/87
0500	0600	Spain	Sp Foreign Radio	6125								MMA/Aus/NZ		02/17/87
0630	0730	South Africa	Radio RSA	15245	11900	9585	5980					SAW Afr/UK/Ireland		02/09/87
0700	0800	Japan	R Japan	17810	15235	15230	11955	9675				GOS/As/Am/Oc/Eu/NE	15230 Gabon relay	02/22/87
0830	0900	Austria	ORF	15610	11915	11840	6155	6000				NE/Aus/As/Eu		02/26/87
0900	0915	Austria	ORF	11915	6155	6000						Eu	Sunday only	02/26/87
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21560	17800	17780	15330	15205	15185	11945	Aus/As		02/01/87
0930	1000	Sweden	R Sweden	9630								Eu		02/09/87
1000	1030	Norway	R Norway	15230	15180							M Afr/Eu/Far E/NZ	Eng Sun only	02/21/87
1100	1130	Sweden	R Sweden	21690	9630	6065						Eu/Afr/NE	6065 H-F	02/09/87
1200	1230	Austria	ORF	15320	11915	6155	6000					EMA/Aus/As/Eu	Sunday only	02/26/87
1215	1245	Japan	R Japan	15300	11875							Asia		02/22/87
1230	1300	Austria	ORF	15320	11915	6155	6000					EMA/Aus/Am/Eu		02/26/87
1230	1700	Jordan	R Jordan	9560								S As/E As		02/01/87
1230	1300	Sweden	R Sweden	15430	15190							EMA		02/09/87
1300	1400	China	R Beijing	9730	9550							NA/Eu/Afr	Eng Sun only	02/21/87
1300	1330	Norway	R Norway	21700	17840	15310	9590	6040				Eu/Afr		02/01/87
1330	1400	United Arab Emirates	R Dubai	17775	15435	11955	11940					E As		02/22/87
1400	1500	Austria	ORF	11915								GOS/As/Am		02/22/87
1400	1430	Japan	R Japan	11870	*9695	7240	5990					NA/S As/Aus/NE	Eng Sun only	02/21/87
1400	1430	Norway	R Norway	15310	15300	15250	11860	9530	7255					02/21/87





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Temporary Distributing Editor  
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\*\*\*\*\*

Welcoming The Old Dominion DX'ers Association (ODDX) members DX gathering and their contributions to the FRENDX Loggings, the following are NASWA members:  
Lynn BURKE, (R70A); Harold CONES, (FRG7700); Tom MCELVY, (R70); Chuck RIPPEL, (NRD525); Charles WOOTTEN, (R71A).

\*\*\*\*\*

I would like to also welcome aboard the following new contributors: Mary Ann Roberts, Robert Tomko and Steven Walley. A total of thirty-two contributors and may I say, I saw some very fine catches from all of you! Oh! I forgot to mention, Greetings from the North Pole, Uh? I mean New England, Hi! Anyways, I'm filling in for John this month, he'll be back with you next month, he and his family are on their way to SUNNY FLORIDA for vacation (or is that to defrost, John?). And as John reminds you, I will also remind you, PLEASE CUT ALL YOUR LOGGINGS INTO STRIPS!!! I won't call any names but your cooperation would be greatly appreciated, it saves time for us to sort your loggings, and it's less wear and tear on our hands and scissors, and to the ones that cut and sort their loggings, Thanks for making the job easier, every little bit counts. Well, that's about it for now folks and till we meet again, 73's and Best DX!



# LOG REPORT

## section A

2000 to 4899 kHz

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

- 2310 AUSTRALIA. VLSA Alice Springs, NT. 1145-1200. EE. Comedy, folk mx. (11/1 Burlaw)  
3200 SWAZILAND. TWR. 1950. EE. Religious pgm, ID & S/off @ 2015. (20/1 Schulze)  
3260 NIGER. ORTH. 2040. Vern. //5020, talks, ID. (17/1 Schulze)  
3275 PAPUA NEW GUINEA. R. South Highlands. 1325. Vern. talk by OM. (28/1 Rippel)  
VENEZUELA. R. Mara. 0245-0305. SS. Tango mx, talk. (17/1 Jordan)  
3285 BELIZE. R.B. 0505-0605. EE. Dedications & requests of mx. (2/2 Jordan) (26/1 Cobb)  
3320 NO. KOREA. R.P. 0911-0915. KR. Songs and short annts. (17/1 Kashiwabara)  
3335 PAPUA NEW GUINEA. R. East Sepik. 1255. Vern. Mixed chorals, 1 hour after local sunrise. (25/1 Rippel)  
3385 PAPUA NEW GUINEA. R. East New Britain. 1215. Vern. Mx until 1230. (28/1 Rippel)  
3396 ZIMBABWE. ZBC 1. 0335-0435. Anthem, bells, ID, and news in EE. (Paszkievics 25/1); @ 0354 in EE) 25/1 Rigas).  
3607 JAPAN. NHK-Home Svs. 1040. JJ. Talk, perhaps nx. (18/1 Park)  
3905 PAPUA NEW GUINEA. R. New Ireland. 1240. Vern. Mx pgm. (28/1 Rippel)  
3920 NO. KOREA. Shinsuiju, R.P. 2150. //3320. talk in KK. (28/12 Schulze)  
3927 TRANSWAL. Capital Radio. 2245. EE. Music & ID. (28/12 Schulze)  
3945 VANUATU. R.V. 1857. Vern. S/on w/native drums, ID. (30/12 Schulze)  
3958 PALAU ISLANDS. FIBS. 0356-0434. EE. BFBS ID, music, top 10. (19/1 Kashiwabara)  
3990 CHINA. Minjiaid PBS. 0125. CC. //4735. Chinese songs. (3/1 Schulze)  
4039 PERU. Marginal. 0333-0346. SS. LA songs, ID @ 0336. (21/1 Tuchscherer)  
4300 PERU. R. Moderna. 0248. SS. Weak w/SS disco tunes. (21/1 Rigas)  
4460 PERU. R. Norandina. 0337-0410. SS. Music, slight GRM. (15/1 Tuchscherer)  
4607 INDONESIA. RRI Serui. 1325-1415. IN. Vocals, annts. (17/1 Paszkievics)  
4712 BOLIVIA. R. Aberas. 0310-0410. SS. Discussions & talk, ID, and vocal & instrumental music. (30/1 Jordan)  
4762 ECUADOR. Sistema de Emisoras Atalaya. 0335-0412. SS. Nice LA vocals & talk. (11/1 D'Angelo)  
4770 USSR. R.M. 0500. RR. Organ music. (29/1 Nagel)  
4783 MALI. RTVM. 2220. FF. Afro music, ID, news. (31/1 Wallace)  
4790 PERU. R. Atlantida. 0320-0455. SS. LA pops, vocals, typical hype. (25/1 Jordan)  
4800 LESOTHO. R.L. 0300-0320. Sesotho. NA w/ annts, songs. (18/1 Dillon)  
4810 ECUADOR. LV de los Galapagos. 0105-0130. SS. "Pink Panther" mx & talk. (18/1 Jordan)  
4815 BURUNDI. RTVB. 2350-0002. FF. Hillife music, ID's, NA. (22/1 D'Angelo) (12/1 Sampson)  
4820 BOTSWANA. R.B. 2100-2104. EE. Prayer then NA, ID, annts. (18/1 D'Angelo)  
HONDURAS. LV Evangelica. 1200-1220. SS. ID and talk. (11/1 Dillon)  
4823 PERU. LV de Selva. 2205. SS. Religious songs, talk. (29/12 Schulze)  
4825 GUATEMALA. R. Mam. 1220-1255. SS. Live performance before audience. (11/1 Dillon)  
4830 GABON. AF#1. 2207-2221. FF. Phone in programme, talk of schools & education, ID's, etc, all in FF. (1/2 Brouillette)  
4835 GUATEMALA. R. Tesulutlan. 0130-0200. SS. Mass w/ OM into Litany. (25/1 Jordan)  
4845 MAURITANIA. ORTH. 2240. AA. Music, nx @ 2300, Koran @ 2350, (27/1 Roberts)  
4850 CAMEROON. R.C. Yaounde. 2106-2130. FF. News & music. (14/1 Tuchscherer)  
4860 KALININGRAD SSR-USSR. R.M. 2048-2102. RR. Talks and music, DS&CI says this is new sve to central Europe. (18/1 D'Angelo)  
4870 BENIN. ORTB. 0500. FF. ID and talk. (5/2 Wallace)  
4885 KENYA. VOF. 0355. Vern. Talk by YL, commentary, music. (5/2 Wallace)  
4895 INDIA. AIR Kunsong. 0125. IN. Music & time pips. (17/1 Schulze)

\*\*A nice selection of Pacific and Oceania stations this month, as well as the usual assortment of Africa's.

\*\*73's & CU in 3011111 HAPPY SPRING111111



# LOG REPORT

## section B

4900 to 6199 kHz

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

- 4900 **GUINEA** Conakry at 2315 1-30, FR stringed and hiliife mx, M&W anners, FR ID, NA at 2358, then off; fair: in hvy QRN (Wallace-PA); talk and vocals 2331 1-18, nx 2349, drums 2355, ID, guitar 2357, NA, 2400 close, carrier still on 0020 (Paszkiwicz-WI).
- 4902 **SRI LANKA** Colombo, Sinhala local mx 1700 1-24, ID, amts, singers (Schulze).
- 4911 **ECUADOR** Em. Gran Colombia, 0145 1-17, political and relig.talks, ID 0240 (few IDs) (Schulze); LA pops 0215 1-23, man anncr, IDs, promos, fgy amts, TCs; also with futbol at 0230 1-24 (Jordan); man with noticias 1125 1-31, TCs, ID, hvy QRN (Dillon-MD).
- 4915 **BRAZIL** R. Anhanguera, PT, local tunes, ID by man, fair-good at 0420 1-31 (Wallace-PA).
- 4915 **GHANA** Accra, EG nx 0615 on 12-26, newspaper items, fair sig, //3366 also hrd (Walley-CA); EG nx 2245-2300 2-7, lottery number given (Tomko).
- 4915 **KENYA?** Tent. them, poor 0616 1-15, singsong talking (like CB) saying "wajah" often, no other Afros hrd, hvy QRN; sounded like AR or Swahili (Park-HI).
- 4920 **ECUADOR** R. Quito, IDs, rapid talking by man, 0425 on 1-31, fair-good (Wallace-PA); hrd at 1145 1-17 with noticias, banco ads, ID, fair signal (Dillon-MD).
- 4925y **GHAN** N'djamena, in FR, open carrier 0455 1-25, faint mx and talk by 0503, quite good by 0530; mx, talks, IDs, PSAs, fair signal overall (Jordan).
- 4930 **USSR** HM in RS at 0415 2-12, light mx, IS at 0430, talk by gal; poor signal (Wallace-PA).
- 4935 **PERU** R. Tropical, poor with LA songs 0340 1-20, ID 0359, NA, 0403\* (Tuchscherer-WI).
- 4940 **IVORY COAST** Abidjan, FR talk and native mx 2210, ID 2215 (Roberts); exc 2300(Tuchscherer).
- 4945 **COLOMBIA** Caracol Neiva, pops, OM anncr 0300 1-16, fair but spotty (Jordan); noticias 1145 1-31, ment.Caracol network, Caracol ID 1154, ads, fair sig (Dillon-MD).
- 4950 **SARAWAK** Kuching, in EG 1517 1-18, good sig, to 1558\* (Walley-CA).
- 4952.5 **ANGOLA** R. Nacional, nx, pops 0504 on 1-10, s/off 0517\* (Schulze).
- 4960 **UNITED** LA at 2345 2-6, strings featured, muffled SP talk, off in mid-song 0018(Wallace-PA)
- 4960y **MADAGASCAR** R. Madagasikara, vernac.talk 0220 1-29, ID, group singing, gal anncr, strong but low modul (Wallace-PA); talk, pops, 0240 2-2 (Tuchscherer-WI); chatty talks 0240 1-23, exotic instr.mx with AR-flavor, ID, then serious mx; marginally fair sig (Jordan).
- 4970 **VENEZUELA** R. Rumbos, fast talking man anncr 1200 1-17, ID, bells, TC, fair (Dillon-MD).
- 4975 **COLOMBIA** Ondas del Ortuquasa, clear ID 2218 1-5, time, mentions of Todelar (Schulze); often arnd 2345, DJ 1-6, ads, IDs, nx 0000, "Close Encounters" mx 0015, 0025\* without NA, poor-fair most days (D'Angelo-PA); nx 0022 1-29, many mentions of Florencia, 0030 ID and s/off routine, 0031\* (only 1930 in Colombia)(Brouillette).
- 4976 **UGANDA** Kampala, EG nx 0407 1-29, ID 0410, not bad sig but RTTY QRN (Wallace-PA); poor in EG at 0415 1-15, nx, on past 0430 (Klein); weak 2050 1-18, mx, NA,,2102\*(Alexander-PA).
- 4980 **VENEZUELA** Ecos del Torbes, fairly strong at 0340 1-22, ID, address, slogans, jingles, NA to 0402\* (Jordan); man anncr 1145 1-26, ID, ads, reveille, bells, fair (Dillon-MD).
- 4990 **USSR** Tent. Yerevan, local mx 0320 2-5, IS 0330, couldn't get ID, battling it out with R. RSA; stronger by 0345 tune-out (Wallace-PA).
- 4991 **PERU** R. Ancash, ID, OA mx, rpts, 2327 1-17 (Schulze); fair with ads at 0214 1-9, ID, into rock mx prgm (Rigas-IL).
- 4991 **ECUADOR** R. Baha'i, lively LA mx 0159 1-29, ID 0203, fair sig, no QRN (Wallace-PA).
- 4996 **PERU** R. Andina, OA mx, ID by man, 2315 on 1-17 (Schulze).
- 5004 **EQUATORIAL GUINEA** R. Nacional, 2050 1-10 with nice variety of Afro vocals and amts with s/off ID, amrt, usual long NA, 2159\*, poor sig (D'Angelo-PA); fair-good 1-2 with hiliife mx at 2142, full ID, long NA to close (Lasowski-IN).
- 5016 **PERU** R. Moyobamba, fair at 0235 1-21, instr.mx, TCs, ID, het present (Rigas-IL).
- 5025 **CUBA** R. Rebelde, TC 1200 1-26, noticias nacionales, steel banned mx, world nx stories, more TCs, very good signal (Dillon-MD).
- 5030 **PERU** R. Los Andes, 0020 1-29, ballads, M&W anners, ID and fgye in echo amrt 0152, NA, 0157\* (Wallace-PA); SP vocals 0110 1-23, ID by man anncr, more vocals to 0158 with "buenos noches" amrt, ID, orchestral NA to 0208\*; poor overall but no QRN (D'Angelo-PA).
- 5040 **BEINBOR** LY del Upano, 1135 1-10 with talk abt econ.devel., gave Dutch address, HC mx, 1148 ID, fair (Dillon-MD); vy strong 2220 1-17, ID, relig.talks, slow HC mx (Schulze).
- 5045 **BRAZIL** R. Cultura do Para, echo IDs, barking dogs, poor sig 2-1 (Kashwabara-CA).Time?
- 5050 **ECUADOR** R. Jesus del Gran Poder, 0035 1-23 with nice selection of soft SP vocals to s/off ID and amts, coral NA, poor overall, 0102\* (D'Angelo-PA); man with local nx 1150 1-10, TC 1152, canned ID with relig.mx at 1200, banco ad 1203, fair sig (Dillon-MD).
- 5057 **ALBANIA** Gjirokaster, Alb mx 2245 1-10, gal with nx 2250, NA, 2258\* (D'Angelo-PA).
- 5060 **ECUADOR** R. Nac. Progreso, 0315 1-30 with ballada, echo ID by man, good sig (Wallace-PA).
- 5095 **COLOMBIA** R. Sutatenza, mx 1205 1-10, TC, nx, mostly about drug traffic, ads, ID, "La

- 5285 Hora Informativa," CW QRM (Dillon-MD); 2325 1-20, slogan, mentions of Colombia (Klein).  
 CHAD Tent. R. Moundou, 0535 1-25, wife, man in FR, thought hrd Chad mentioned but no ID; poor rcpt (Fisher-MA). HI, John.
- 5800 UNID. 0200 1-20, sounded like bland., rapid SP talks, anthem, 0215\*; good (Wallace-PA).
- 5800.5 PERU R. Nueva Cajamarca, fair 0115 1-19 with long talk by man, giving many IDs in the process; into mx at 0125 (Rigas-IL).
- 5889 CLANDESTINE LV de la UNO, hrd 0157 2-4, casual talk, seemed to be preparing for bc; notes 0200, ID, talk, speeches, polemics, martial mx, anthem to 0257\* (Jordan).
- 5905 USSR RM in SP 0035-0100, RS pops, ID, talk on Sov policy, Cuban revol, good (Dillon-MD).
- 5915 DZSR RP, SP 0400-0500 1-30, nx, talk, etc; EG 0500; //5905; 9575 added 0500 (Jordan).
- 5930 CZECHOSLOVAKIA Prague, EG 0100 2-9, nx, Sunday Mag, travel, mx, to 0157 (Tomko).
- 5940 USSR RM WS, 0340-0530 1-24, various nx and talk prgms, 5905 and 5915 in // at 0500 (Jordan); 1-1 with NY celebrations 0432, mx by Hungarian group, very good sig (Sampson-WI).
- 5955v COLOMBIA LV de los Centauros, LA nx 0340, smooth ID 0346, world nx, fair 1-24 (Jordan).
- 5965 CUBA Havana, Creole 0305 1-24, seeming nx, urban pops 0315, ID 0330, fair sig (Jordan).
- 5975 ENGLAND BBC WS, world nx 0200 1-27, press rvw, very good (Dillon-MD); readable 0250 1-26 tho not the best, talks abt horse racing, sports, nx (Bonnet-IN); world nx 0300, "World Today," pop and jazz prgm 0330, good signal (Jordan).
- 5975 ANTIGUA BBC relay, fair 0438 1-19 with kids prgm, Big Ben, Waveguide, etc. (Park-HI).
- 5975 S. KOREA Seoul in EG 1635 1-19, prgm on popular SK singer, fair signal (Walley-CA).
- 5985 USA VoFC over WYFR, good 0232 1-10 with female vocals, CH lang lesson (Levison-PA).
- 5990 JAPAN Tokyo, in EG at 0700, still there 0720; also in EG at 1708, nx till 1710, then current affairs prgm on French strikes; good at both times (Walley-CA).
- 5995 AUSTRALIA RA, "Talkback" 1715 2-1, fair sig (Park-HI).
- 5995 KALAWI Blantyre, hrd 2150-2209\* 1-25, world and Afr nx, "You are letng to the MEC" ID, TC, maybe relig. talk in lang, closing anmt, hymn-like anthem (Bobb-MN).
- 6000 CUBA RM relay, 0411 1-8 with "Nx and Views," ID, "Roundabout the USSR" (Nelson-MD); 1215 1-17, talk on disarmament, ID, must be Cuba judging from strength (Dillon-MD).
- 6005 ASCENSION IS BBC relay, 0331 1-2 with "Network Africa," talk about Egypt, poor signal (Sampson-WI); 0450 1-16 stocks, world nx 0500, African nx 0508, poor sig (Jordan).
- 6006 COSTA RICA R. Relej, 0630 1-31 with IDs, world nx, TC, poor, 4832 also poor (Kashiwabara-CA); world nx 1159 1-31, "Ave Maria" 1200, ID, gong between nx items; fair (Dillon-MD).
- 6009 CLANDESTINE Presumed R. Berdal, tho no ID noted; AR talks 2005 1-18, some mx breaks, badly cluttered by 2030; hrd till 2040, poor overall (D'Angelo-PA).
- 6010 BRAZIL R. Inconfidencia, 0658-0709 1-27, full ID, maybe ads, helicopter-like QRM
- 6015v NICARAGUA LV de Nicaragua, EG 0027 2-1, best on LSB, nx, ID, (Kashiwabara-CA). local mx, into SP 0100 (Alexander-PA); 0057 2-1 SP, EG 0100, ID, ballads (Jordan).
- 6020 NETHERLANDS RN, EG world nx 0229 2-1, "Newline," SW Feedback, good sig (Dillon-MD).
- 6030 USA AFRTS, 0100-0240 1-26, Super Bowl coverage, sig went from exc to poor (Burlaw-PA).
- 6035 LIBERIA VOA, poor 0201 1-28 with State of the Union address (Park-HI).
- 6040 ANTIGUA DW relay, EG 0100 1-8, world nx, press rvw, clas.mx, relay ID 0150 (Dillon-MD).
- 6045 W.GERMANY DW, EG 0318 198 with press rvw, ID, "Micro on Europe" (Nelson-MD).
- 6050 ECUADOR HCJB, ID 1230 1-17, talk about NC presidential kidnapping (Dillon-MD).
- 6060 AUSTRALIA RA, 1245 1-17, "Sports Mag," ID, fqys, world nx, rock (Dillon-MD).
- 6065 USSR RM FE xmt, vy poor 1053 1-27, disco mx, ID, fast mx, in Korean from 1100 (Park-HI).
- 6066 CANADA CBC N4Svc, Eskimo 1215 1-31, talk, folk mx, gal anncr (Dillon-MD).
- 6070 BULGARIA Sofia, 0001 1-19, fair with EG ID, world nx (Levison-PA).
- 6070 CANADA CFRX-Toronto, 1829 1-25, good with pop mx (Nagel-PA).
- 6080 E.GERMANY RBI, EG \*0000 2-2, IS, ID, boogie-woogie mx bridge, nx, //9730 (Jordan).
- 6095 USSR RM good at 1431 on 1-6, "Folkbox," nx, "Focus on Asia & Pac" (Sampson-WI).
- 6100 USA WHRI, good with "Bible Study" 0700 2-1 (Nigel-PA).
- 6110 ANTIGUA Presumed them, BBC in SP 0353 1-21, nx, too strong for London (Park-HI).
- 6110 PHILIPPINES VOA, 1229 1-18, ID for VOA "Studio One," prgm on MLK, poor sig (Dillon-MD).
- 6120 CANADA R. Japan over RCI, EG nx, cmtry, DX rpt, 1130-1200 2-8 (Tomko).
- 6125 E.GERMANY RBI, fair with EG nx and cmtry 2300-2320, 2-2 (Nagel-PA).
- 6125 SPAIN Madrid, EG 0035 1-5, top SP songs (Walley-CA); EG 0150, SP 0200 1-26 (Cobb-ME).
- 6130 CLANDESTINE R. 15 de Sept, VG 1311 2-1, talk abt Contras, back to 5950 next day (Rigas-IL).
- 6135 SWITZERLAND SRI, EG "Dateline" 0400 1-1, fair sig overall (Walley-CA).
- 6140 AUSTRALIA ABC-Perth, ID 1015 1-26, pops, TC, soft-spoken Q anncr, fair (Sampson-WI).
- 6140 CUBA Havana, EG world nx 0204 1-24, sports, talk abt VOA in Pto. Rico (Bonnet-IN).
- 6150 COSTA RICA R. Impacto, ballads 0010 1-29, ID, strong (Wallace-PA); IDs 0423 1-15, fair with fast-paced LA mx (Nelson-MD); \*1200 1-18, ID, pops, very good (Dillon-MD).
- 6155 JAPAN FEN, US Armed Forces nx, light mx, fair at 0835 on 1-2 (Walley-CA).
- 6160 BRAZIL Tent. R. Pampa (listed in RBBI), PT 0157 2-3, futbol match, screaming anncr, no IDs noted, fair signal (Rigas-IL).
- 6160 COLOMBIA Em.Nueva Granada, talk show 0323 1-15, ads, ID, RN-6165 QRM (Brouillette).
- 6165 NETH.ANTILLES RN relay, "Media Network" 0251 1-9, fair signal (Park-HI).
- 6175 ANTIGUA BBC relay, piano mx 0158 1-23, world nx, press review, very good (Dillon-MD).
- 6185 PHILIPPINES VOA in CH 1150 1-18, EG lessons, IS, weak with some fading (Dillon-MD).
- 6185 S.AFRICA R. RSA, EG nx 0225 1-15, prgm on S.African history (Brouillette).
- 6195 CANADA RCI 0400 on 2-1, nx, talks on seaports, fair signal (Schanke).
- 6195 SINGAPORE BBC FES, poor with 1117 "Waveguide" 1-13 (Park-HI). See you in April--



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: Joe Freeborn, Bldg. 877, Apt. 625, Governors Island, NY 10004

Hello all in March. Hope the Feb. holidays were pleasant. Now, lets get right to the loggings.

- 6200t ALBANIA R. Tirana 0230-0257\* Albanian lang.?, Pgm of local mx which sounded GK, Mid-East, & Gypsy. Lots of lively songs and choral arrangements. Tent ID then NA to 0257\*. (Jordan 1/22)
- 6200 UKRAINE R. Keiv \*0300-0330\* EG, Wld nx, tlk on Soviets wld peace and nuke disarm., other cmtry. (Jordan 1/22)
- 6249 EQ. GUINEA R. Nacional 2038-2104 SP, Music and short talk by M & F. ID at 2103. (Tuchscherer 1/14)
- 6264.4 CLAND. R. Quince de Sept. 2225 SP, ID in SP, man talking with patriotic music. (Feeley 1/19)
- 6323.7 PERU R. Estacion 0150-0220 SP, nx. ID at 0204 (Tuchscherer 1/15)
- 6554.2 CLAND. R. Venceremos 0245-0300 SP, weak with the usual talks by M?W. ID. //3724.7 (Alexander-PA 1/11)
- 6555 CLAND. R. Venceremos 0210 SP, tlk. mx, jammed. (Wallace-PA 1/20)
- 6666.5 CLAND. LV de Alpha 66 0225-0232\* SP, Revolutionary talk by M/W, ID and march music. (Tuchscherer 1/27)
- 6691.2 PERU R. Cutervo 0027-0102 SP, LA mx, ID at 0101(Tuchscherer 1/19)
- 6791.8 PERU R. Sensacion 0115-0151 SP, low key vocals, TC. ID's, fair signal. (Kashwabara-CA 1/7)
- 7105 MONACO TWR 0726 EG, religious tlk, gospel mx (Laskowski-IN 1/4)
- 7115 BULGARIA R. Moscow 0238 EG, questions from children about school with pgm "Sidelights of Soviet Life". (Sampson-WI 1/4)
- 7120 AUSTRALIA R. Australia 1229-1245 Cantonese, YL w/tlk, orchestra mx interludes, ID at 1242. (Dillon-MD 1/10)
- 7120 SOMALI R. Hargeisi 0910 AA?, long tlk by man. (ODDX 2/1)
- 7150 ENGLAND BBC 0800-0815 EG, news. (Schanke 2/11)
- 7160 ASCENSION BBC 0402 EG, World svc, news, "Newsdesk", UK news and press review. (Park-HI 1/22)
- 7165 UKRAINE R. Kiev 0035 EG, world/local news with commentary, also answering listener questions. (Levison-PA 1/25)
- 7165 LITHUANIA R. Vilnius 2327 EG, tlk about books, ID w/schedule and address, sign off. (Nelson-ND 1/22).....(Hi Scott,...jf)
- 7165 UKRAINE R. Kiev 0300-0330 EG, Gorbachevs' greater democracy and openness speech, commentary. (Jordan 1/31)
- 7170 USSR R. Moscow 1247-1301 CH, YL w/tlk, mx, IS at 1259(Dillon 1/10)
- 7175 FRANCE RFI 0324-0347 EG/FR, World/France news, into FR at 0330, EG at 0345, freq not listed in WRTH or RDI (Dillon-MD 1/10)
- 7235t INDIA AIR-MADRAS 1306-1330 Vividh Bharati listed, Indian mx w/YL vocal, YL DJ at 1308, no positive ID, lost by 1328(Dillon-MD 1/10)
- 7245 LIBYA R. Jamahiriya 2258-2322 EG, por w/unid co-channel QRM, nx at 2258, tlk by M/W about Libyan-Sudanese conflict, several ID's, (Alexander-PA 1/25)
- 7245 USSR R. Moscow 1157-1203 JP, IS, ID "Kochiwara Moscow hoso desu" preview and news. //7340 (Park-HI 1/10)
- 7245 UNID. Unid 0121-0202 AR. M w/rousing speech, mention of Israel & Damascus, mx breaks, no ID but 10 note IS played on two trumpets at 0200, more tlk, fade at 0155. (Brouillette 1/13)
- 7255 USSR R. Peace and Progress 0958-1000 CH, closing anncmnts, fair signal. (Nagel-PA 1/25)
- 7255 BOTSWANA R. Botswana 0350 EG, IS, sign on with frequencies and anthem. //4820. (Fisher-Wallace-MA 1/25)
- 7255 NIGERIA V. of Nigeria 0534 EG, IS at 0455, news at 0530, QRM from R. Botswana. (Laskowski-IN 1/2)
- 7270 S. AFRICA RSA 0407 EG, Botha w/New Year msg. (Sampson-WI 1/1)
- 7270 S. AFRICA RSA 0340 EG, freqs announced, into nx at 0401, IS, into regular pgmng. (Wallace-PA 1/26)
- 7275 S. KOREA R. Korea 1552 EG, Pgm on US military const. projects in Asia. (Walley-CA 1/9)
- 7280 LIBERIA VOA 0410 EG, "Newline", National Security Council, nx, headlines. (Sampson-WI 1/27)
- 7285 MALI R. N. du Mali 0800 FR, FR ID at 0825, in FR language lesson repeating FR verbs. (Laskowski-IN 1/4)
- 7300 ALBANIA R. Tirana 0016-0033 Albanian, Folk mx, wailing vocals. M/W w/talk. (Brouillette 1/13)

7325 ENGLAND BBC 0200-0215 EG, news/press review. (Dillon-MD 1/26)  
7355 USA KNLS EG 1805, Religious music. (Walley-CA 12/28)  
7400 USA R. Earth 0303 EG, via WHRI, ads, mx, "Shortwave Pandamonium"  
fair signal. (Nelson-ND 1/15)  
7430 GREECE V. of Greece 0111-0140 EG/GK, Folk mx til 0130 into EG  
news read by YL. (Brouillette 2/3)  
7464 ISRAEL Kol Israel 2232-2255 EG, news, folk tunes & dedications,  
also heard on 7410. (Tuchscherer 1/30)  
7485 TUNISIA RTT 1905-1921 AR. VG w/mid east mx/nx(Tuchscherer 1/28)  
8929.5 PERU R. Continente 0148-0220 SP, short tlk by M, into LA songs.  
drifted from 8929.3 at tune in. (Tuchscherer 1/17)  
9022 IRAN V. of Iran 1930-2000 EG, reading from Qu'ran, news about  
Iran/Iraq war. (Tomko 2/7)  
9435 ISRAEL Kol Israel 2002 EG, nx, ID, review of news, stories from  
the 3rd world. fair sig. (Nelson-ND 1/15)  
9455 USA WMLK 1940 EG, religious programming. (Nelson-ND 2/2)  
9465 USA VOA 2334 SP, "Buenos Noches America", nx mag pgm(Park-HI 1/8)  
9475 EGYPT R. Cairo 2028-2100 AR, drama, YL w/ID "Min Al-Qahirah",  
AR mx. (Dillon-MD 1/24)  
9480 ALBANIA R. Tirana 1830-1900 EG, news and music (Tomko 1/31)  
9490 USSR R. Moscow 1240-1340 RS, tlks w/interviews and cmntry. OM  
w/folk mx, IS and ID., opera. (Jordan 1/20)  
9505 USA KVOH 0133-0136\* EG, request for letters, s/off ID into test  
tones, off/on several times. (Kashwabara-CA 1/29)  
9505 USA R. Liberty 0040-0100 RS, M/W ancrs into poss. news, cmntry,  
features and interviews. via Gloria xmtr. (Jordan 1/16)  
9535 QATAR QBS 1648-1708 AR, AR vocals to 1700, TC, ID into news with  
return to mx at 1706. (D'Angelo-PA 1/11)  
9535 ANGOLA R. Nacional 0045 P, ID, pop mx. (Schulze 1/15)  
9535 BONAIRE TWR 0350 EG, Religious program "Insight for Living",  
ID w/address. (Nelson-ND 1/15)  
9535 SWITZERLAND SRI 1120-1135 FR, pop mx, ID, nx. (Cobb-ME 2/4)  
9535 QATAR QBS 1758-1815 AR, OM anncr w/vocals, time pips, OM w/ID  
per WRTH, mx into talks and poss. news. (Jordan 2/3)  
9545 PHILIPPINES VOA 2137-2155 KR, news/cmntry on Japans Nakasone,  
ID and stories on Indonesia. //11925. (Park-HI 1/9)  
9550 CHINA R. Beijing 0032 EG, cmntry, mx program. (Levison-PA 1/18)  
9565 TURKEY V. of Turkey 0401-0403 EG, fair sig. (Nagel-PA 2/2)  
9565 BRAZIL R. Universo 0157-0230 PT, nx, ancmnts. ID. (Faszkievicz 1/13)  
9570 CHINA R. Beijing 1600 EG, news. (Walley-CA 1/19)  
9575 ITALY RAI 2033 EG, news by YL, mx, IS, poor sig. (Nelson-ND 1/15)  
9580 AUSTRALIA R. Australia 1500-1600 EG, nx, WWII stories (Tomko 1/25)  
9585t BRAZIL R. Excelsior 2215-2228\* PT, futebol, ancmnts, tentative  
no ID's heard, off at 2228. (Alexander-PA 1/10)  
9590 NORWAY R. Norway 1600 EG, news. //15310. (Walley-CA 1/18)  
9590 NETHERLANDS R. Nederland 0302-0325\* EG, wishes for worldwide  
listeners, commentary. (Bonnet-IN 1/11)  
9610 AUSTRALIA VLW9-Wanneroo 1239-1302 EG, OM DJ w/opera from ABC tv  
special, ID "This is ABC Radio in the West". (Dillon-MD 1/18)  
9615 S. AFRICA RSA 0200-0257 EG, news, "Box 4559", Saturday RSA, nx  
in brief. //6010,6185. (Dillon-MD 1/18)  
9625 CANADA NQS 1911-1930 Eskimo, news, C&W music w/OM DJ, hockey  
scores, sports news. CBC ID. //11720. (Dillon-MD 1/19)  
9630 SPAIN REE 0108-0147 EG, cmntry and world news. (Bonnet-IN 1/26)  
9630 SPAIN REE 0100-0200 EG, ID, news, mx, mailbag. (Dillon-MD 2/1)  
9635 MALI R. N. du Mali 0846 FR, mx, lang. lessons. (Laskowski 1/4)  
9640 JAPAN R. Japan 2310 EG, pgm on Nobel prize winner (Walley-CA 12/25)  
9645 JAPAN R. Japan 2335 EG, cmntry, letters. (Levison-PA 1/4)  
9650 N. KOREA RP FS 2212 JP, choral mx, M w/tlk. ID. (Park-HI 1/7)  
9650 GERMANY Deutsche Welle 1454 GG, piano mx, IS/ID 1459. (Sampson 1/1)  
9655.5 THAILAND R. Thailand 0025 EG, nx/wx, Bangkok report. (Schulze 1/5)  
9680 PORTUGAL R. Portugal 0031-0058 EG, news, sports, sked. (Dillon 1/9)  
9690 ARGENTINA RAE 0100-0150 EG, news, mx, cmntry. (Tomko 2/1)  
9715 N. KOREA R. Pyongyang 1230-1247\* EG, YL w/orchestra mx, tlk at  
1240. tent. ID. poor sig. (Dillon-MD 2/1)  
9720 SRI LANKA SLBC 1500 EG, news, poor sig. (Fisher-MA 1/17)  
9725 SWITZERLAND SRI 0200-0228 EG, ID, TC, news, "Shortwave Merry Go  
Round". //6135. (Dillon-MD 2/1)  
9740 SINGAPORE BBS 1238-1245 EG, world svc., "Multitrak III" airing  
new mx, TC and Big Ben, "Sports Roundup". (Park-HI 1/31)  
9740 CUBA R. Havana 0240 EG, LA mx, contest, ID. (Nelson-ND 1/15)  
9750 S. KOREA R. Korea 1453 EG, M/W tlk on Olympics. (Park-HI 2/3)

9760 KUWAIT R. Kuwait 2100-2130 AR, mid-east nx, interview. (Dillon 1/17)  
 9765 USSR R. Kiev 2200-2219 UK?, IS, ID "Ghavoryt Kiev", M/W w/pgm  
 guide and news. (Park-HI 1/14)  
 9765 ASCENSION BBC EG, news, "24 Hours". SIO454. (Sampson-WI 1/21)  
 9780 YEMEN R. San'a 1930 AA, talk by M/W, mx, news. (Levison-PA 1/11)  
 9790 FR. GUIANA RFI 1035-1040 FR, news program. (Park-HI 2/2)  
 9800 FRANCE RFI 0320 EG, nx, ID, wx report in Europe. (Nelson-ND 1/15)  
 9805 FRANCE RFI 1135-1150 FR, Two YL's talking, pop mx. (Cobb-ME 2/4)  
 9830 GUAM KTWR 2127-2132 CH, IS, W w/ID and target areas, into rel.  
 pgm w/M at 2129. (Park-HI 1/16)  
 9852 USA VOFC 2100-2145 GM, via WYFR, YL w/nx about Taipei, ID, CH  
 pop mx, into classical CH music. (Dillon-MD 1/24)  
 9860 FRANCE RFI EG, "Paris Calling Africa". (Walley-CA 1/18)  
 9870 ECUADOR HCJB 0230 EG, ID, "DX Party Line". (Cobb-ME 1/29)  
 9870 SAUDI ARABIA BSKSA 1905-2005 AR, OM w/vocals, mx into tlk at  
 1918. poss. news. poss. ID as in WRTH. (Jordan 1/25)  
 9870 GUAM KTWR 1411 EG, Rel. pgm offering free Bibles, ID into tlk  
 w/stn engineer about radio towers. (Feeley 1/3)  
 9875 USSR R. Moscow 1738 EG, "Home in the USSR" on religions in the  
 USSR, tlk on mountain climbing. (Park-HI 1/9)  
 9885 SWITZERLAND SRI 2030-2100 PT, news, public affairs program,  
 YL w/interviews. (Jordan 1/24)  
 9940.1 CLAND. R. Free Surinam 2340-2400 DT, via LV del Cid, US music,  
 talk by M/W and others. ID's. (Alexander-PA 1/31)  
 11675 KUWAIT R. Kuwait \*1800-1835 AR/EG, Pips, instr. NA, Om w/ID in  
 AR into poss. news. music. (Jordan 1/24)  
 11705 FRANCE RFI 1600-1655 EG, news, LA notes, marriage. (Tomko 1/25)

That about does it for this time. Lets try and get a few more details. See you all next month..... *g*



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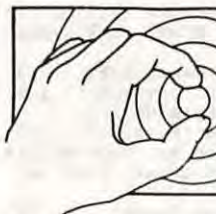
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# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98156

- 11735 MADAGASCAR R. Nederlands relay in EG 1500, "Asia Scan", f-p (Park HI 1/23)
- 11735 NORTH KOREA R. Pyongyang in EG 2320, martial mx & propaganda (Klein WI) cmtry on weapons & peace 2325, ID (Nelson ND) vocals, s/off 2346 w/NA (D'Angelo PA)
- 11790 USSR R. Kiev (via Khabarovsk) in EG 0030, nx, tlk by Gorbachev (Tomko 2/2)
- 11795 CUBA RHC in EG 1954, LAm mx, ID (Nelson ND) cmtry, nx, spts 1932 (Sampson WI)
- 11800 PORTUGAL RDP in PT 1115, ID 1130, instrumentals, pops, f (Cobb ME 2/6)
- 11805 USA V. of Free China via WYFR in GM 2132, CH mx, exc (Levison PA 1/13)
- 11840 CUBA R. Moscow relay in EG 2007, nx, ID, "The Soviet Way of Life" (Nelson ND)
- 11852 VENEZUELA RN de Venezuela in SP 0305-0357\*, pop mx, ID's, NA, g (Cobb ME 2/4)
- 119376 KAMPUCHEA V of the People in vern 1238, political tlks, f/o 1250 (Schulze W. Ger)
- 11940 UNITED ARAB EMIRATES UAER in EG 1330, nx, ID, mailbag, into AR 1400 (Dillon MD) also in EG 1330, nx, mailbag, tlk re radar traps in UAE (Tomko 2/8)
- 12035 USSR R. Moscow in lang? 1400, mention of Iran-Iraq, citar mx (Jordan PA 1/27)
- 12050 EGYPT R. Cairo in AR 2031, drama, AR mx, ID (Dillon MD) in AR 1300, ID, nx briefs ponderous AR vocals, instrumentals, into 10 mins of nx, prayers (Jordan PA 1/22)
- 13650 IRAQ R. Baghdad in AR 1645, recitations, wild AR mx, ID's 1649 & 1700 (Jordan PA)
- 13715 CZECHOSLOVAKIA R. Prague in EG \*1430, IS, pipes, skeds, nx, polkas (Jordan 1/25)
- 14670 CANADA CHU Ottawa Time Signal Station in EG/FR 1942, ID's (Nelson MD 1/8)
- 14802nf KIRIBATI RK in lang? 1848, island vocals, ID 1900, p (Paszkiwicz WI 1/4)
- ED: Great catch! I didn't even realize they were transmitting on shortwave.
- 15084 IRAN VOIRI in Parsi 1210, tlks by OM/YL, not Bengali as in WRTH (Dillon MD 2/1)
- 15090 VATICAN STATE VR in var langs \*1430, into EG 1448, relig mx, ID (Klein WI 1/14)
- 15150 NEW ZEALAND RNZ in EG 1803, nx, pop mx, f (Walley CA 1/2)
- 15160 NORTH KOREA R. Pyongyang in EG 0000, IS, ID, nx, KR mx, tlks, f (Laskowicz IN)
- 15160 AUSTRALIA RA in EG 0406, nx, mx (Sampson WI) in EG 0630, nx, f (Walley CA)
- 15155 ECUADOR HCJB Quito in EG 0050, "DXPL" promo & lite mx, QRM fm RA (Park HI 1/7)
- 15160 ECUADOR HCJB Quito in SP 1930, vocals, instrumentals, g (Bonnet IN 1/26)
- 15185 PHILIPPINE IS. VOA relay in EG 2320, various rpts on "Newsline" (Park HI 1/20)
- 15260 ASCENSION IS. BBC relay in EG 2138, mx pgm, ID 2145, cmtry, vocals (Bonnet 1/14)
- 15270 ECUADOR R. Nacional via HCJB in SP 2200, TC, govt nx pgm, p (Park HI 1/21)
- 15310 NORWAY RNI in EG 1300, nx, "People & Places" (Tomko 12/8) also in EG 1559, ID, ID's at s/on, freqs, nx, "Tasty or Not", g (Nelson ND 1/18)
- 15315 NETHERLANDS ANTILLES Bonaire RN relay in SP 0155, Cuban pop mx (Cobb ME 1/29)
- 15315 FRANCE RFI in EG 1604, nx, tlk re storm & cold weather in FR & Europe (Nelson ND)
- 15320 UNITED ARAB EMIRATES UAER in EG 1600, ID, "Great Modern Arab Poets" (Jordan PA)
- 15350 JAPAN RJ in IN \*2227, IS, ID in JP/EG, guitar mx, nx, p (Park HI 1/9)
- 15375 SPAIN REE in EG 1830, nx, "Panorama", vocals, press review, p (Sampson WI 1/21)
- 15415 LIBYA R. Jamahiriya in AR 1530, series of speeches, crowd noises & occasional patriotic mx cut-ins, pgm beamed to Europe, f-p (Jordan PA 1/26)
- 15435 SINGAPORE BBC relay in EG 2348, "Multitrack II", BBC Top 20, p (Park HI 1/21)
- 15445 LIBERIA VOA relay Monrovia in EG 2105, political tlk, f (Sampson WI 1/18)
- 15455 USSR R. Moscow (via Petropavlovsk) in EG 2320, usual stuff (Park HI, Klein WI)
- 15475 GABON Africa #1 in FR 1805, nx, pop mx, ID 1845 (Roberts 1/10)
- 15510 USSR R. Moscow in EG 0455, story on riding R-200 train, IS, nx (Park HI 1/30)
- 15560 NETHERLANDS RN in EG 1135, nx, ID, cmtry on new Brazilian constitution (Cobb ME)
- 15570 MADAGASCAR R. Nederlands relay in EG 1630, "Happy Station" pgm, g (Walley CA)
- 15630 GREECE VOG in EG 1538, GK mx, ID, nx at 1540 (Fuchscherer WI 1/23)
- 17605 NETHERLANDS RN in IN 1343, harpsichord mx, ID 1356, p (Dillon MD 1/11)
- 17820 CANADA RCI in EG 1900\*, ID, nx, "Spectrum" (Nelson ND 1/8)
- 18080 UNITED KINGDOM BBC in EG 1515, political cmtry, f (Levison PA 1/17)
- 21485 MADAGASCAR R. Nederlands relay in EG 0845, "Asia Scan", //17575 (Park HI 1/16)
- 21645 UNIDENTIFIED possibly Libya in AR 1330 & 1640, brief tlks, instrumentals, NA, AR chants, "Big Ben" chimes 1700, possibly world & ME nx, patriotic mx, skit (Jordan PA 2/3) ED: My guess is that this one is R. Cairo which normally uses the "Big Ben" chimes on the hour. Can anyone else identify?
- 21685 NETHERLANDS RN in EG 1835, nx, ID, "Newsline", p (Nelson ND 1/15)

Peter Dillon confirms the BELGIUM item rptd in the Jan. issue by Norman Bobb. RTBF (the FR lang network) now bcasts on the SW spectrum as "La Voix de L'Amite" beamed to Africa. Their current sked is listed on pg. 80 of the 1987 WRTH. Thanks Peter and Norman.

The Marketplace Report is published monthly in the ANARC NEWSLETTER by the ANARC DX Equipment Information Committee, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada: Harold Sellers, Chairman. News and information on equipment, companies and services of interest to radio listening enthusiasts is presented and contributions of such, from readers, are welcome.

\*\*\*\*\*

#### NEW SONY RECEIVER COMING

We know that Sony is planning to introduce a new shortwave receiver in 1987 and we have been told it is "fabulous", but we are still trying to get some details. Stay tuned!

#### Sangean - Emerson Receivers

The importer and distributor for the Sangean SG-789 and ATS-803 receivers, sold under the Emerson name in Canada, is Emerson Radio Canada Ltd., 6335 Shawson Dr., Mississauga, Ontario L5T 1s7, tel.no. (416)673-7181.

#### Converters for FRG-9600 and IC-R7000

The Yaesu FRG-9600 and Icom IC-R7000 VHF/UHF receivers have become very popular. Now two British firms have marketed converters to permit the reception of shortwave frequencies on them.

ARE Communications (38 Bridge St., Earlstown, Newton-Le-Willows, Merseyside WA12 9BA, England) has an HF converter that extends the range down to 500 kHz. It up-converts by 100 MHz, therefore when receiving 9.0 MHz the display will read 109.0 MHz. Shortwave SSB reception was found to perform well, but mediumwave was made useless by overloading. An external switch needs to be connected to bypass the unit. Price is £78 plus shipping.

SEM, Union Mills, Isle of Man, United Kingdom produces a similar converter, but it costs only £45. Write to the company for more information.

As a further note, the FRG-9600's AM narrow bandwidth is a bit too narrow for shortwave broadcasts. It is fine for SSB. The AM wide bandwidth is much too wide. (via Sweden Calling DXers)

Electronic Equipment Bank says they are developing various options to enhance the Icom R-7000. These include computer control video output and filter options. More details are available from E.E.B., 516 Mill St. NE, Vienna, VA 22180, telephone (703)938-3350.

#### QRM ELIMINATOR

S.E.M., mentioned above, also manufacture a device by this name. They claim that it can phase out interference from motors, power lines, TVs and local stations, by using a small indoor pick-up antenna. The QRM Eliminator covers 1.8 to 30 MHz and costs £85.

#### WIDEBAND PREAMPLIFIER

Digitrex Electronics introduces the model PA-19 wideband preamp. Fully assembled, it is claimed to give 19 dB of gain and cover 0.5 to 200 MHz. The PA-19 is said to measure about the same size as a postage stamp and obtains power from the receiver in which it is installed. It is priced at US\$9.95. The PA-19E comes complete with enclosure, power

Marketplace Report continued:

supply, cable and connector/adapter. It is priced at US\$24.95. Digitrex Electronics, 10073 N. Maryann, Northville, MI 48167, tel.(313)348-7313.

INDOOR ANTENNA

Grove Enterprises' new Hidden Antenna may be used with either shortwave receivers or scanners, but they do recommend the use of a preamplifier with the antenna. This antenna is a five-foot long, flexible rod, which may be hidden in a closet, stuck in the corner of a room or any other out-of-the-way place. It comes with a 20 ft length of coax and an F-type connector. The price is US\$8.95 plus \$2.50 parcel post mailing. Order from Grove Enterprises, P.O. Box 98, Brasstown, NC 28902, tel. (800)438-8155 orders.

MANUALS

Gilfer Shortwave, P.O. Box 239, Park Ridge, NJ 07656 is advertising a service to provide manuals for Drake, Eddystone, Hallicrafters, Collins, Hammarlund, etc. A price list is available for a stamped and self-addressed envelope.

AR2002 SCANNER

Grove Enterprises (address above) is the exclusive distributor for the A.O.R. AR2002 scanner. This unit covers 25-550 and 800-1300 MHz. The price is US\$479. Please call before ordering, 1-800-438-8155.



A.O.R., based in Japan, also made the Regency MX7000 scanner, production of which has been halted and will not resume. The AR2002 includes several improvements over the MX7000, which was very similar to it. These include a tuning dial, as well as keyboard entry, signal strength meter and computer control interface. Grove also offers a scan/search speed increase modification. (Monitoring Times, January 1987)

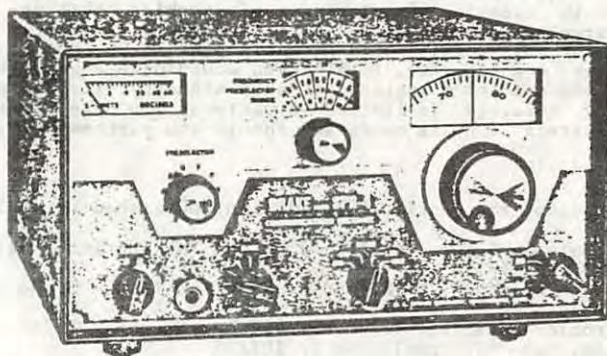
Radio Shack PRO2004 Scanner

Radio shack, in both the United States and Canada, withdrew this new scanner from warehouses and have recently completed modifications which eliminate the previously provided cellular telephone frequency bands. Now the PRO2004 covers 760 to 1300 MHz, except for 825-845 MHz (used by mobile units) and 878-890 MHz (used by base stations). If a frequency in one of these restricted ranges is entered, the display screen will show an error message and reception will be blocked.



# DRAKE Model SPR-4 RECEIVER

The Drake SPR-4 was introduced in 1970 at a price of US\$379. It remained available for quite a few years, until about 1977, as a matter of fact, when it cost US\$699 new. It was a popular receiver in its early years, but little is heard of it these days. There must be many of them in circulation, however, and thus this review.



## Features and Tuning

The SPR-4 was an all solid-state receiver, using a dual gate FET in the RF amplifier. In 1970 this was the latest advancement, allowing excellent sensitivity. IC frequency synthesizers were still not available to the general public and bands of operation were determined by the use of crystals. The Drake FS-4 Frequency Synthesizer could be used to provide general coverage. The receiver came with 10 crystals installed and up to thirteen others could be added. Each crystal allowed the tuning of a 500 kHz wide band. A selector switch selected the desired band and then the main tuning dial was used to scan the 500 kHz range. Frequency accuracy of better than 1 kHz was possible. A preselector knob was set to a pre-determined spot for each band and an RF gain control was also provided. Reviewers have pointed out that the preselector may need to be set carefully to eliminate or prevent spurious signals appearing on the bands.

Modes of operation are AM, CW, LSB and USB. When SSB is selected, the BFO is activated automatically. A modification is required to use the SSB bandwidth on AM and details of this modification can be found in "A DXer's Technical Guide" (see references). The SPR-4 also features a notch filter, something which disappeared on receivers until recently, and this one is very effective at removing heterodynes. Options include a plug-in noise blanker and a 100 kHz crystal calibrator.

The audio has been one point of complaint amongst some reviewers. It is said that the audio amplifier seems to be insufficient, resulting in the necessity to turn the volume up too much. The S-meter is useful only for comparisons, not being very well calibrated. Another complaint is that an RCA-type phono receptacle was used for the antenna input; a UHF type or terminal strip would have been more practical.

## Sensitivity, Selectivity, Stability and Dynamic Range

Sensitivity has been measured by examiners and found to be excellent on all bands. Selectivities are somewhat limiting; the modification to allow the SSB 2.4 kHz bandwidth on AM is a necessary mod. The skirt

(Drake SPR-4 continued) - selectivities are apparently good as interference from adjacent channels is not severe when this mod is used. There are no overloading problems, even on mediumwave. The receiver is very stable frequency-wise and dial accuracy is excellent for a non-digital receiver.

### Conclusions

The Drake SPR-4 doesn't have as many bells and whistles as many of today's receivers, but it is a sensitive, accurate and simple to operate receiver. It is capable of picking up anything that one of today's electronic marvels can. Because of its age and lack of digital readout or memories, a lot of people would probably pass it up, but if you happen across one for a good price, I think you would have a good receiver. It would be a good set for a beginner or as a stand-by. Its BIG drawback is that frequency coverage is limited to whatever you have crystals for. A full set of crystals is quite necessary should you purchase one.

### References

How to Listen to the World, 1971 edition, published by World Radio TV Handbook  
A DXer's Technical Guide, published by the International Radio Club of America, 1980 edition  
DXing According to NASWA, by Edward C. Shaw, published by North American Shortwave Association  
Popular Electronics magazine, November 1969 and November 1974  
SPEEDX bulletin, May 1976, published by SPEEDX  
FRENDX bulletin, March 1972 and August 1974, published by NASWA  
European DX Council review, May 1981  
International Radio Club of America, various reprints

### Specifications

Frequency Coverage : Programmed by crystals for 23 ranges (each tuning a 500 kHz band) from 0.5 to 30 MHz, plus 150-500 kHz. Crystals supplied with receiver for these ranges: 15-500 kHz, 0.5-1.0 MHz, 1.0-1.6, 6.0-6.5, 7.0-7.5, 9.5-10.0, 11.5-12.0, 15-15.5, 17.5-18.0, 21.5-22.0 MHz.

Selectivity : AM - 4.8 kHz at -6 dB, 10 kHz at -60 dB  
SSB - 2.4 kHz at -6dB, 7.2 kHz at -60 dB  
CW -0.4 kHz at -6 dB, 2.7 kHz at -60 dB

Sensitivity : SSB and CW: 0.25 uV for 10 dB S+N/N, AM: 0.5 uV with 30% mod for 10 dB S+N/N

Intermediate Frequencies : 1st IF 5645 kHz, 2nd IF 50 kHz

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CATALOGS are available for 1987 from:

Electronic Equipment Bank, 516 Mill St., NE, Vienna, VA 22180 - Send \$1.00

Radio West, 850 Anns Way, Vista, CA 92083 - Send \$1.00

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by

Ash Nallawalla, Arthur T Cushen MBE, & Bryan D Clark

ISBN 0 9588532 0 7 Paperback, 135 pp

Ashley Publishing, PO Box 539, Werribee VIC 3030, Australia.

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| Chapter Five  | - Advanced Topics                  |
| Chapter Six   | - The Broadcasters                 |
| Chapter Seven | - The Hobby of Radio DXing         |



- as reviewed on *R. Australia, BBC and R. Nederland*

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## DISTRIBUTORS:

- ★ **NORTH AMERICA:** \*Gilfer Shortwave, P.O. Box 239, 52 Park Ave,  
Park Ridge NJ 07656, USA.  
Telephone (201) 391-7887  
Price US\$ 14.95 + UPS shipping \$ 2 for 1st book; \$ 3 for 2 or more.
- ★ **NEW ZEALAND:** \*Arthur T. Cushen MBE, 212 Earn St. Invercargill 9501.  
Telephone (021) 86683  
Price NZ\$ 25.00 incl GST and postage within NZ
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WC2B 4PH, U.K.  
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**c/o Mark Strickert**  
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**Berkeley, CA 94701**

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