

# FRIENDS

The SHORT WAVE BROADCAST Journal - Since 1962

NORTH AMERICAN SHORTWAVE ASSOCIATION

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Exclusive

THE LOUDENBOOMER REPORT

Exclusive

Presents

CHARLIE MEETS SANTA CLAUS, HO-HO!

T'was the night before Christmas and I was in bed.  
 Not a signal was stirring; the bands were all dead.  
 An eight-foot long stocking was hung, quite a trick,  
 Next to the chimney, to fit a Joystick.  
 Ole Charlie was snuggled up tight in his bed,  
 and visions of veries danced in my head.  
 I wore a new nightcap; I looked rather slick,  
 with built-in earphones - I don't miss a trick.

When up on the roof there rose such a racket,  
 Like my sixty foot tower had slipped from its bracket:  
 I ran to the window and opened it wide.  
 I shivered and peered intently outside.  
 The moon on the crest of the new fallen snow  
 Disclosed a terrible scene down below.  
 A twisted antenna and eight tiny deer,  
 and a little old driver with beard down to here.

He whistled and shouted so furiously,  
 Whilst busily trying his reindeer to free.  
 My tower, I realized, quicker than quick,  
 Had just shot down an ex-jolly St. Nick.  
 I drew in my head and was calling my lawyer,  
 When a bedraggled Santa burst into my foyer.  
 His eyes how they glittered as he muttered a vow,  
 "I'll sue you Loudenboomer, for seventy thou!"

Red-faced with rage was the chubby old fellow,  
 Who shook when he yelled, like a bowl full of jello.  
 A stump of a pipe he clenched tight in his teeth,  
 While oaths seemed to circle his head like a wreath.  
 With placating words, I offered a cup (of good Christmas cheer),  
 Which he accepted and quickly drank up.  
 Then still complaining that I was a jerk,  
 He went straight to the chimney and started to work.

"No Joystick for you!", he said with a hoot.  
 And filled up my stocking with ashes and soot.  
 Then landing a clout longside of my nose,  
 and giving a nod, up the chimney he rose.  
 He sprang to his sleigh, his reindeer now untangled,  
 Though still from one runner, my antenna dangled.  
 He shouted out clearly, "S-9 reception -  
 Merry Christmas to all, with just one exception!"

And I heard him exclaim ere he drove out of sight,  
 "Wait til next year Charlie, I'll fix you alright."



# HEADQUARTERS CALLING

NASWA, P.O.Box 8452, S.Charleston, W.Va. 25303 USA

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AS WE CLOSE out another year of operation it seems appropriate to take a brief look at that year. Change has characterized NASWA during the past year. Some of the changes we worked for, some we could have done without.

The obvious changes have been the loss of late Executive Editor Bill Eddings, the change in bulletin format, and headquarters address. Of note has been the addition of the popular MAIL CALL section, the splitting of Log Report into smaller parts, while managing to keep the useful "by frequency" format.

Welcomed by many has been the move to reprint useful articles from past issues, and the development of special publications of use to the DXer. We've gone slowly in some areas, such as this, to maintain quality, and generally have done so if the comments received here are any indication.

But with all the changes that have taken place in the club in the past year, more are still to come. As mentioned last month, we will be publishing information on the English language broadcasts which can be heard in North America, regularly giving the schedules of those transmissions which can be heard in a form which can be easily used by members. More than just a list of official schedules, these will be checked for accuracy, and the listings will contain only those scheduled transmissions which the average member can hear. These will include transmissions to areas other than North America, also, if they can be easily heard here. And by easily we don't necessarily mean with local quality signals.... Some have expressed the fear that this new section will be a splitting of the Log Report into another format, not "by frequency". That is not the case. The new section will not be a loggings section.

Another change that will take place beginning with the January 1973 issue is the dropping of the FLASHSHEET as a separate section. FLASHSHEET editor Al Niblack will be editing a portion of the LOG REPORT, which will be split into smaller parts in order to keep the workload on each individual editor minimized. FLASH items will be still included in FRIENDX, but will be in those portions of the bulletin typed at headquarters, and with a later deadline. In the future all reports to the LOG REPORT will be sent to the headquarters address, and will then be distributed to the various editors of the LOG REPORT. This will maintain the single mailing address for LOG REPORT.

Other changes will undoubtedly take place in the next year, also. But in spite of all the changes that have occurred and that will occur, there remains constant the club motto authored by the late Bill Eddings, "UNITY AND FRIENDSHIP". This has ever been the purpose of this club, to work toward these ends, both in the club, and outside it. It is interesting, during this Holiday Season, to note that other clubs also have adopted themes/mottos which essentially express the same idea. Whether it be NASWA's "UNITY AND FRIENDSHIP", ASWLC's "WORLD FRIENDSHIP THRU SHORTWAVE", or the motto on the rubber stamp now being sold by SPEEDX, "73's in 73"....And so, during this season, it is our prayer that "...unity may one day be restored".

Dan Ferguson

ADDRESSING MACHINE FUND The fund is coming along quite nicely, with \$101.72 in it as of this writing. The total required will be around \$325. This will provide the club with a quality piece of equipment which will allow us to deliver the bulletins to the Post Office ordered by Zip Code, and that will mean they will leave Charleston one day earlier. It will also ease up greatly on the workload of getting FRENDX prepared for mailing, thus saving more time. It will also enable us to provide a member with names and addresses of members near him. Currently the only way to do that is to go through the card file....So, the machine will provide great benefits for the club. Our thanks to those who have contributed thus far:  
Robert Zilmer, Thomas Clark, Alan Mayer, Elmer Johnson, Francis Brindley, Jim McClure, Stanley Mayo, Scott Reeves, Ron Howard, Richard Odlin, Joseph Brown, Jr., Marion K. Ely, Neal Kolb, David Smith, Vernon Maxham, Tom Walsh, Leon Jeter, Charles Cote, John Kolb, Fred Willshaw, Bill Shaw, Tom Blossom, Harry Dyer, David Baltimore, George Schrammel. Thank you!!:

Rubber Stamps Members jumped at the chance to get a NASWA rubber stamp. The initial order was quickly exhausted! But there is again a plentiful supply. You can get your NASWA rubber stamp by sending US \$2 to NASWA HDQ, be sure to indicate what the money is for, and include your address!



WRTH 73 And while you're ordering your club rubber stamp, remember that NASWA offers members a discount on the new 1973 WORLD RADIO TV HANDBOOK. Regular price is US\$6.95, but NASWA members may purchase it at this time for only \$5.95. The WRTH is indispensable for either casual listening, or for serious DXing. It's a tool the DXer just can't do without! And it's available to NASWA members at a discount price! Just send US\$5.95, payable to NASWA, to NASWA, P.O. Box 8452, S.Charleston, WV 25303 USA. Be sure to include your full address, including ZIP CODE. This offer good only in NA. Deadline has been extended to 22 December, but don't delay! Order today!! Over 70 members have already ordered. The books are scheduled to be mailed to those ordering before the middle of January!

CHARLIE LOUDENBOOMER REPRINTS For some time we've been mentioning that work was being done on the reprinting of the CL Reports. Sara Stillman kindly offered to have the typing done at her office. This has been quite a large job, and had to be fitted in where possible. Now, we have word that the stencils should arrive here shortly. So, the reprints will soon be available. And our sincere thanks to Sara Stillman for taking on such a large task!

SPECIAL PUBLICATIONS We very quickly ran out of the remaining copies of the 49 meter survey after the November issue hit the mailboxes. Items still available includes: Back issues of FRENDX, all months since March 72, price is \$1 each, or 3 for \$2.50.

The 90 meter survey, (\$1.50 ppd)  
NASWA Country list(Free for SASE)  
NHK Home Svc relay skeds(Free for SASE)  
Broadcasting From Kashmir(Free for SASE)  
Exalted Carrier AM Reception(Free for SASE)  
"A DXers Long Battle with the Mysterious East"  
(Free for SASE)  
Time Conversion Chart for NA(10 cents)  
QSL Signers List(US\$1, postpaid in NA)  
Rubber Stamp(US\$2)  
WRTH 73 (US\$5.95, in NA only)  
(Checks/Money Orders payable to "NASWA".  
Orders to NASWA HDQ address)

The 60 meter survey is out of stock. A new survey is being compiled, rather than just a reissue of the last one. The new survey will be an expanded one, if current plans work out. Because of increased costs it will not be offered so cheaply (free) as the last one. But again, as is our policy, we will have a discount price for NASWA members. We hope to have it ready for announcement next month.

MEMBERS who have equipment which they would like to sell can have a note placed in "HELPING HAND", just write HDQ. All arrangements must be made with the individual who has the equipment. HELPING HAND is a service to members of NASWA.

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This index was compiled by Dan Jamison, with last minute additions by Dan Ferguson.

### HELPING HAND

Hank Slade, 150 Patterson Road, Bedford, MA 01730 has some no longer needed equipment on hand. If you are interested, write him direct.

BC-221 Frequency Meter with calibration book/recently checked out by lab, in excellent condition, for \$70.

Worcester SM-1 Deluxe BCB antenna in excellent condition for \$30.

Norelco Model 101 cassette tape recorder with all accessories and case in excellent condition for \$50. Would consider trading for a mono reel-to-reel recorder of like value.

FLASH!!! While this was being typed Ed Shaw called with the news of a QSL in from Radio Sahara, 7230 kHz, after 1½ years. Along with the QSL Ed received a 45 rpm record with Arabic music, and some postcards of Sp. Sahara. Congratulations, Ed!

COUNTRY LIST A typing error in the last two editions of the NASWA country list put Netherlands Antilles and Trinidad in different continents, one in North America and the other in South America. Don Jensen, chairman of the NASWA Country List Committee, informs that both should be listed with North America. To clarify a recent question on the country list, all West Indian countries are grouped together into North America.

Gene Moser, chairman of Speedx's HAP notes the availability of a rubber stamp which reads "73 in 1973". Cost is US \$1.10 postpaid in NA, US \$1.50 outside North America. Payment should be made in the form of a check or money order, in US dollars, payable to "Genda". Write Gene Moser, 6805 Woodland Ct, Coloma, Mich. 49038.

# MAIL CALL!

Deadline: 20th of the month

## LETTERS FROM NASWA MEMBERS WITH PROBLEMS

Edward C. Shaw  
621 Burlleigh Avenue  
Norfolk, Virginia 23505

In last month's FRIENDLY, many of you caught our hurried one-sentence request to know how many of you would be interested in a club jacket emblem. Such an emblem is in the works, and if enough persons indicated a desire to have one we will invest some of our resources to provide it. At present, our prototype emblem is a likeness of the NASWA club seal, which is a solid black field with two green rings upon it, the outer ring diameter being approximately 3/8". All lettering is in gold threading. We anticipate a cost of about \$2.00 - \$2.50, depending on how many we order - and, that depends on how popular the emblem idea will be.

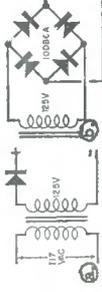
Write a postcard today - let me know if you'd be willing to buy one. \*\*\*\*\*

Dear Ed: Can you tell me what "Images" are? Sometimes strong stations appear to be duplicated along the bands on my DX-120 receiver. Can images be my problem?

Answer: I expect so. Images can be a baffling headache at times. They are mostly found in modest single-conversion receivers - those in which the single Intermediate Frequency (IF) is usually 455 KHz. A mirror image of a heard signal can be heard at 910 KHz (2 x 455 KHz) either above or below the real station frequency. The image is usually weaker and of poorer quality than the true frequency. An unknown new signal can be identified as an image by adding or subtracting 910 KHz to the frequency you have found, and then noting whether a strong duplicate broadcast is located at either of those points. The stronger of the two signals (if you found one) will usually be the true frequency. Be sure that what you suspect is an image is not actually a second transmitter broadcasting a parallel program. (e.g. Moscow)

Dear Ed: A couple of issues back, you mentioned that smaller, less expensive radios may be subject to a higher hum-noise level due to insufficient rectifying of the AC current. I've got such a problem, but local shops want too much money. Can you help?

Answer: O.K. pardner, here goes. I don't recommend any others try this unless she or he has had ample experience with a soldering gun and possesses a smattering of electronic knowledge. The diagrams at left, by R.L. Ives, were dug out of an Apr-70



issue of PE. Diagram a. shows the rectifying circuit for a typical modest receiver. Note the single diode which only provides half-wave rectification. Diagram b. shows four diodes in a packaged bridge design to provide full-wave rectification - removing nearly all of the 60 Hz hum of your household power. Be certain that the diodes you use are rated for the same input voltage as the one you remove. And, be certain that you keep the polarity of your diodes straight. And, lastly, I hope you won't give me a tongue lashing for any foul-ups. Hi!Be careful!

Dear Readers: During the past few weeks, I have received an inordinate amount of mail from owners of SX-190 receivers with various and sundry questions about performance and potential. Many of you will also have noted recent issues of Popular Electronics and Elementary Electronics magazines with rather impressive reviews of this receiver and of a few others as well. My experiences with the SX-190 may be of great value to those of you who purchased one. There are a few short cuts and surprising tricks you probably didn't know were possible. I am rewriting an updated consumer's evaluation and SX-190 data document shortly. This will be made available free to any requesters for a double-stamped and self-addressed envelope.

Dear Uncle Ed: Even as a relatively experienced DXer, I still don't know what causes all the noises, both QRM and QRN, heard on the bands. I'm familiar with many of the chirps, buzz saws, and howls of jamming; and also the warbles and clicks of some of the various communications equipment. But, there are many, many others that are yet a big puzzle to me. Is there any way to find out what these are?

Answer: You're not alone, friend. This would seem a good project for one of our energetic experienced DXers. I'd start by recording as many different noises as I could and then send strips to friends who might be able to help ID them. A whole tape of these might be of great value to DXers. Anyone out there interested? -73-

# Shortwave Center

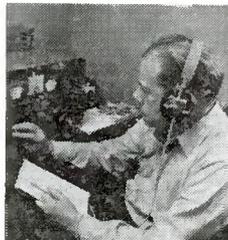


EDITOR  
Alvin V. Sizer  
22 Country Way,  
North Haven, Ct. 06473  
Deadline 15th of Month

A NEW EDITOR SAYS HI! (The hello "hi" not the funny one).

When FRENEX asked us to take over the editorship of the Short Wave Center our first answer was no, we didn't have time. But after thinking it over we changed our mind and decided to give it a go. The reason: FRENEX has become such a topnotch endeavor we wanted to join the team. This is the best bulletin we've had since I joined NASWA in 1968 and the editors are all top-drawer.

Ralph Perry has left us a tough act to follow. His editorship, especially in layout, was one of the finest we've seen in the hobby and if we do only partly as well we'll be satisfied.



"SI"  
SIGNS  
ON

Through attendance at ANARC conventions, local meetings and correspondence, many of you know me and biographical data are not needed. For the others I'll just note that my full handle is Alvin V. Sizer but I'm usually called "Al" or "Si". Either will do although some prefer to call me "Si" to keep me straight from one of the top pros in our hobby, Al Niblack, editor of FS. I'm 56-wow, that must sound old to you teen-agers!, a graduate of Brown University and served five years in World War II, all ranks private to captain, in the U.S. Army where I saw places I later took great pleasure in logging, New Caledonia, Guadalcanal, Bougainville, New Guinea and the Philippines. A newspaperman all my life, I am at present News Editor of a daily newspaper in Connecticut, The New Haven Register. I'm co-author of a book called "Pictorial Connecticut" and have written another on New England authors now at the printers.

I got into the hobby this way--in 1968 I saw an ad in my paper by Radio Shack for a new receiver, the DX-150 and thought it would be useful to me in my work to tune in foreign newscasts. Before I knew it I was hooked on DXing. This wasn't so surprising since as a high school student in Bridgeport, Conn. I had been a medium wave DXer way back in the 30's with over 300 stations to my credit, although unfortunately all the records have long since vanished.

The DX-150, although a fine beginner's set, eventually was traded in on a second hand Hammarlund 180A for \$225. When the on-off switch broke on this a year ago I found myself the victim of impulse buying and came home one day from a radio store with a second hand SPR-4. This rx, although frequently bad-mouthed in the hobby, has brought my countries heard total to 192 and I am very happy with it. However, although I fully intended to sell the HQ-180, I've never been able to part with it either and at present have both receivers in operation although I've found direct frequency readout has spoiled me and the Hammarlund doesn't see much use any more.

I also use the Gilfer A-20 Preselector which I'm quite high on.  
(Continued on next page)

NEW EDITOR  
(Cont.)

Antenna space isn't much of a problem for me since I have a big back yard and lots of trees to hang aerials on. At present I have a choice of 2, the Mosley SWL-7 wave trap and a 100-foot longwire made of No.12 gauge enamel covered solid copper wire about 50 feet in the air. My son climbed a 60 foot pine tree out front and the tallest oak in our back yard for this one and it is the finest antenna I've ever used.

Our plans for operating the SWC are fairly conventional. Articles must have a strong relationship to Short Wave. We don't want information taken from publicity sent out by the major international broadcasters---too many DXers will have already seen it. Ditto with clippings from such major outlets as the N.Y. Times, the AP and Time or Newsweek. As a rule we think lessons in geography, history and political science are best left to the magazines and text books.

We like stories about the lesser known stations. We especially like articles in which DXers give others tips on how to buy, construct and operate short wave equipment and how to DX. We would like to see an equal proportion of articles that would benefit both the newcomer to DXing and the pro.

Being a newspaperman, used to controversy, we are probably more inclined to use material where controversial viewpoints are expressed so long as the viewpoints have to do with genuine hobby interests and never descend to personalities. Healthy controversy, limited to issues, not personalities, is as good for a hobby as it is for a newspaper. Obviously, however, we are not going to use material which offends anyone because of race, creed or political persuasion.

With that prologue we extend a hearty invitation to any and all of you, whether beginner or pro, to submit material and illustrations to Short Wave Center. On your response depends whatever success we have, or don't have, with the section.

AND BEFORE WE FORGET-----

MERRY CHRISTMAS AND A HAPPY NEW YEAR OF DXING!

WANTED  
ARTICLES:

How about writing something for Short Wave Center? Here a few subjects we think wou'd make good articles.

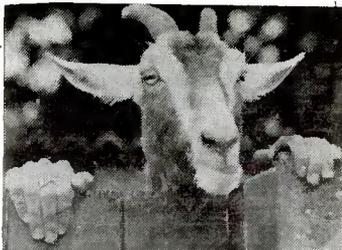
1. Lightning arresters. How do you protect your system?
2. Antenna switching. More than one aerial. How do you switch from one to another?
3. What are the 10 toughest countries to log from the U.S. and why?
4. Checking FRENDX back files, what countries have not verified anyone in the past 3 years. How many just once? Twice?
5. How to take care of a receiver. Maintenance, cleaning, etc. that you can and should do.
6. Tips that have worked in getting difficult QSLs.
7. How to mount and display QSL cards, letters, pennants etc.
8. Proper use of the tape recorder in DXing.
9. A comparison of various types of wire used in antennas.
10. Techniques used by various stations in checking reports and issuing QSLs.

There are a few ideas. Others may occur to you. So get busy! And if you have no ideas but are willing to work on an assignment, write to us. We might just have something of interest.

RADIO'S UNSUNG HERO

A few years ago the old familiar megacycles per second and kilocycles per second took a backseat in much of the DX world to the terms megahertz and kilohertz. The reasons given are two: to accord recognition to the pioneer work of Heinrich Hertz in the field of electro-magnetic wave propagation and to be consistent with the policy of naming units of measurement after notable persons in the scientific world.

Hertz was not alone. James Clerk Maxwell, Sir Oliver Lodge and Guglielmo Marconi have all achieved fame and recognition in the study of electro-magnetic waves. Not so well known is David Hughes, the American who first deliberately propagated radio waves. But the unsung hero of the hobby, heretofore unknown and unrecognized, was Jaroslav Goatzavili!



NO CREDIT AND IT HERTZ

Goatzavili was of South East European parentage, his father being a seaman, and was born about 1830. About 1850 the family settled in South Wales and Goatzavili pursued his studies at a number of schools and colleges in the Principality, amongst them the long-defunct Institute of Physical Sciences located at the North Wales center of learning at Pentrefoelas. There the whole of the tuition was conducted in the Welsh language, which soon Goatzavili learned, his mother-tongue being unknown to any of his contemporaries at the small North Wales college.

Recently discovered notebooks detailing Goatzavili's work show beyond doubt that his work pre-dated that of Hertz by several years and the honor of giving his name to the international unit of frequency has been denied him by the difficulties inherent in translating from his native tongue--no longer spoken at all--into English.

It would seem that in his Croatian dialect the word "billi" was the equivalent of "million" and "he" the equivalent of "thousand". Correctly, therefore, the name of Goatzavili, or Goatz as he was generally called, should now take its place in the international standard as meaning "cycle per second".

This would give us "billiGoatz" as the latest replacement of "megacycles" and "megahertz" and "hegoatz" would replace "kilocycles" and the later "kilohertz".

While some may smell a plot to deprive this poor peasant--he died penniless sometime about 1880 and his place of burial is not known--of true international recognition, the truth is simply that Servatzi, his native dialect and the Welsh language are virtually unknown to the world at large. Therefore, the work of Goatz has been totally overlooked by researchers in this field.

I am deeply indebted to Tony Jones, himself a native of Pentrefoelas and a member of the British Association of DXers, for revealing this work of his fellow-citizen and, thereby, giving us a chance to accord praise to Goatz in that evocative term, "billi-Goatz"!

(Adapted for FRENDX with the permission of the author,  
Alan Thompson, BADX)

**DON'T FORGET SHORT WAVE CENTER!**

\*\*\*COUNTRIES, HOW TO COUNT 'EM...AND WHY\*\*\*  
By DON JENSEN

NASWA Country List Committee Chairman

Editor's Note: Inquiries to this QTH have convinced us that many of the newer NASWA members do not understand how countries are counted and how the country list is made up. So we asked Don Jensen to write this article.

Country counting has been part of the DXing scene for decades. It has been criticized by some over the years. And to the extent that DXers may look upon country totals--heard and verified--as the complete measure of listening skill and ability the criticism seems justified. But country counting undoubtedly will be with us



for many years to come, so we might as well all understand the standardized country counting procedures used by NASWA members.

Creating and administering a country list may seem simple. It is not! It involves attempting to resolve essentially incompatible factors. Hence, all country lists, regardless of claims, are arbitrary in nature. Since creating a country list is complex, it stands to reason that newer members of NASWA may find our club's list a bit hard to understand at first. Hopefully, the following will help you to understand how--and why--it works.

First, you must understand, there are a number of radio country lists in existence. Most major clubs have their own and they differ to varying extents from other existing lists. Why, you may ask, can't we all agree on a single list? Well, for one thing, DXers are interested in different phases of the hobby. Amateur radio listeners, for example, are interested in counting all sorts of out-of-the-way islands visited by ham DXpeditions; SWBC DXers couldn't care less about these "Rocks in the ocean" and, though undoubtedly biased, are agreed in arguing against counting them as "countries". And since the decision to count, or not to count, a certain territory as a country for radio listening purposes is an arbitrary one, there are honest differences of opinions even among those interested in some phase of DXing that is the same or similar. A standardized, hobby-wide country list may be something for the future but, I'm afraid, it is unlikely now.



Some years ago NASWA, not satisfied with existing country lists in that they did not seem to really fill the bill for an all-SWBC club made up of both relatively experienced and inexperienced members, broke new ground with the creation of a very different sort of country list.

It was, and is, felt that the major flaw in most country lists is that they attempt in determining what shall be and what shall not be counted as a radio country, to set certain fixed criteria. Such criteria must take into account at least three factors: politics, geography and certain hobby traditions. But, in practice, these factors result in unresolved conflicts in establishing rational and consistent criteria.

For example, political situations change rapidly, geopolitical borders often shift; the result being that most other clubs' lists  
(Continued on next page)

\*\*\*COUNTRIES, HOW TO COUNT 'EM (Continued from Pg.4)

incorporate the cut-off date or "retired countries" factor. What is a "countable country" when you hear it may have to be deleted from your totals--or placed in a separate "retired" category--next year. A portion of Nigeria declared independence a few years ago and became Biafra but today is again part of Nigeria. Should reception of the station at Enugu, at various times during the past years, count as one, two or perhaps three different countries?

Or consider the station at Accra. Should the fellow who has been around a few years and logged it when the station was in Gold Coast now have the opportunity to hear the same station and count it as an additional country, Ghana? In this case, a political change puts the newer listener at a disadvantage. So, then, merely delete the former country, or place it on a retired list, a lesser status, right? That makes it fair for the less experienced who weren't

PAPUA AND NEW GUINEA

The Australian-administered Territories of Papua and New Guinea are prime targets for most DXers. Both the Australian Administration Broadcasting Service and the Australian Broadcasting Commission operate SWBC stations in this area. For purposes of country counting, NASWA divides the region into four separate countries. This has caused some confusion and some members aren't sure which station locations count for which country. The following should help.

Papua Territory

Port Moresby, Kerema, Daru, Milne Bay

New Guinea Territory

Wewak, Madang, Morobe, Mount Hagen, Goroka

Bougainville Is.

Bougainville

New Britain Is.

Rabaul

(Editor's Note: The two languages most likely to be heard on these stations are English and the native patois known as "Pidgin".)



listening when the country was Ghana.

Ah, but how about Ghana, the former Portugese enclave in India? Veteran DXers who logged this station remember it as a very nice piece of DX. But, thanks to an invasion by India, Goa ceased to exist politically. It is merely part of India now. Consistent with the Gold Coast-Ghana situation, having ceased to exist politically, it must be deleted or retired from the active country list. But is this fair to the experienced DXer? His once DX catch is now nothing. His logging counts for nothing, merely because of a political action halfway around the world.

Let's look at another angle. Should Java, Sumatra, Borneo and the rest count as separate countries, or merely as one, Indonesia? Should the various union republics of the USSR count separately as countries or merely as one large country? Hobby tradition says that they count separately. This makes no sense politically, but would you be happy about losing all these separate countries and count only two, USSR and Indonesia?

You see, country lists involve politics, geography and hobby tradition and seldome the "trio" shall meet.

(To be concluded in January issue)

\*\* WHAT WOULD YOU LIKE TO SEE IN SWC? LET US KNOW--LIKE NOW! \*\*

WHY NOT SOME TOKEN OFRECOGNITION FORFRIENDS OFDXERS?

Editor's Note: Hank Michalenka, author of this article and NASWA's top R.I. DXer, works days and attends Bryant College at night. The only MW QSL we have is signed by Hank when he was an announcer at WXTR in Pawtucket. Needless to say, it is quite complete.

By HANK MICHALENKA

During the past few years, we have witnessed many breakthroughs in station/DXer relationships. Among these breakthroughs were the new verification policy of the Burma Broadcasting Service and the occasional availability of Turks Island Radio via rebroadcast of storm warnings, thus qualifying for SWBC purposes. The major significance of these two examples, I feel, is that they were possible only through the aid of two people not connected with the DXing hobby in any way: namely, U Pe Kyaing of the Burmese Diplomatic Service and D.R. Mattocks, General Manager of VSI-8 on Turks Island.

These developments, and others, in our hobby deserve some sort of recognition from us to our outside friends. Unfortunately, however, at present there is no official way that we in NASWA can express our gratitude to people throughout the world who have done our hobby a good turn.

(Editor's note: Other appropriate names and stations will suggest themselves to our readers. One that occurs to us is the man who made QSLs possible from Radio Bangladesh, M. Habibullah, installation engineer.)

It is for this reason, therefore, that I propose NASWA institute a program to award a token of our appreciation to people outside the hobby who contribute in a large way to it. Perhaps we could have a certificate printed up, appropriately worded, framed and presented to the person deserving the award either in the mail or personally by station-visiting DXers like Richard Wood, Gregg Calkin or Glenn Hauser. This program could either be instituted through the present NASWA headquarters or through a new committee.

I do not believe, however, that this award should be strictly on a one-per-annum basis; some years may see two or three awards, while other years have none. (Editor's Note: Let's hope not!) Also with some publicity through the proper channels, we may even entice some stations/governments to become more responsive to the DXer.

No matter how you feel on this matter, let headquarters know how you feel. Feedback is important! Send your comments to NASWA headquarters, P.O. Box 8452, So. Charleston, WV 25303.

PROMOTE DXING THROUGH FRIENDSHIP!

**DX | THRILLS**

\*\*\*We've all had our thrills in DXing, whether it was Country No. 1 or 200. How about sending in yours? Please keep it short and see below for an example:\*\*\*

The second day after I bought my first shortwave receiver I heard a rasping woman's voice spouting Mao philosophy on 7295 kh. When she I'd as "Radio Tirana" I let out an amazed yelp of triumph--"Wow, Albania! Such a small country!"

It wasn't long before I learned that that small nation, subsidized by Peking, was no real DX catch at all, but the excitement of that moment has never been eclipsed in 5 years of DXing.

----- Al Sizer

## Let's Face It

by Torre Ekblom



EDITOR'S NOTE: The 1973 World Radio and TV Handbook Will soon be available and probably the same annual criticism will arise that there are inaccuracies in Latin American loggings. This article explains why.

(Reprinted from DXclusive of Finland's DX Club Internat.

In the world DX press you can often read that the WRTH is publishing wrong or incorrect information regarding radio stations, especially those in Latin America. As freelance editor of the L.A. section for some years now, I would very much like to bring to your attention some facts we have to face in this matter.

First of all, most of the radio stations in Latin America are commercial, not only in that they are transmitting commercials but they are also sold and bought now and then. I don't think it's too difficult to buy a station down there if you have the right connections and money. The fact that stations are changing owners now and then has an effect, for instance and as you probably know, on the QSL policy of a station. (A new owner could mean that a "black" station becomes a "white" one). Well, this goes for the information to be published as well.

### \*\*\*WHO KNOWS THE WAYS OF THE LOCAL POSTMAN?\*\*\*

Twice a year we send every station in L.A. a questionnaire which the station then fills out and returns to us if they ever receive the form from us (who knows the ways of a local postman in the Andes, for instance?). The reply percentage varies from country to country, from year to year, but is around 2 to 40%. The full text for each country is sent to the Ministry of Communications in every L.A. country to be corrected for the next issue of WRTH. Usually, and if we are lucky, we get an answer once a year. The same information and help are requested of every radioassociation and cooperations, usually with the same results as the Ministeries. Then we have our own reporters and collaborators in Latin America who supply us with information. They have a really hard task, believe me, then finally we read the world DX-press and are also getting hints and info from just plain DXers.

By means of the above mentioned possibilities, the gathered information is published in WRTH once a year. But this task is not as simple as it looks. Just for example, we can get up to five different kinds of information regarding ONE station from the sources mentioned above. All about the very same station. So who should we believe? The station itself? (sometimes they do not even know the frequency themselves, change of frequency, power, etc., depending on who is answering the questionnaire). The ministry? A DXer? And so on..

The best thing we can hope for is to get the same "result" from two different sources so that we could crosscheck the received data. Therefore, we welcome every possible help we can get from anyone.

Now we come to a very important point and to which I would very much want to draw your attention. The published information in the main text is almost always the official information received from L.A. It has not always been the correct one but we have to publish it. Otherwise we might easily risk that we get no answer at all from the station or Ministry in question in the future. The same situation, by the way, applies to all the stations or country material in the whole world.

An eager reader of the book may have noticed or found that information in the main text compared with those on the table pages in  
(Continued Next Page)

LET'S FACE IT (Cont.)

the back of the book is more moderate and adjust to "common sense" information/stations etc. received from various sources, DXers and the like. In this respect I want to point out that we cannot measure or rely on information giving, for instance, variations of 1 or 2kHz in the main text. The case is different in the table pages. By doing this we hope we can give the readers the best possible service.

Another factor is the stopdate. We have to stop somewhere so we can get out the edition. Despite that the information keeps rolling in all the time. We don't throw away the news received after the stopdate; it is used in the next edition if it's still up to date. WRTH's latest L.A. news you can read from time to time in DXclusive and European DX bulletins.

Finally I hope this article has given you some ideas on how the WRTH is edited from the L.A. point of view at least. Now that you know some of the difficulties we have to face, don't hesitate to write us. We READ all the letters... so please help us gather the L.A. information to the benefit of all DXers. Write to WRTH, L.A. editor, Soliljevej 44, DK 2650 HVIDOVRE, Denmark.

Remember--- now news is no good news for the L.A. editor. Let's face it.

\*\*\*\*\*

### Listening To Latin America

By Richard L. Dushane

Many novice SW listeners, after having logged and verified the major English language broadcasts, are hesitant to test their DX ability on foreign language transmissions. Few of us are fortunate enough to command a knowledge of any language other than our own, so to keep those QSL cards rolling in, we must inevitably tune to a station whose language is alien to our ears. Since Spanish seems as prevalent on the shortwave spectrum as English and because our southern neighbors are the most prone to broadcasting exclusively in their native tongue, let's concentrate on them.

Almost everyone knows a few phrases of Spanish and is capable of mastering a few more and this along with a few tools are all that is needed to begin logging and verifying the Latins. Tune your receiver across the 60 meter band and you will hear a host of Central and South American countries, broadcasting almost entirely in Spanish. Since we obviously cannot learn Espanol overnight we must employ a few tricks. The first problem that confronts us is how to determine who we are listening to. Fortunately, most of these stations identify themselves clearly and concisely and, most importantly for our purposes, often. For example, Radio Capital in Cost Rica, on 4832 kHz, identifies after practically every song they play. Almost all identify at least every 15 minutes.

Now open your copy of WRTH, or White's Radio Log, to the section that lists stations by frequencies. Not your frequency and find it on the list you are using. Several stations will be listed but you should be able to eliminate all but two or three possibles. Now listen carefully for the words, "La Voz de" (The Voice of), "Esta Es" (This is) or simply "Radio" which precede the station's name. By scanning your eyes over your pre-selected possibles at the same time the announcer is identifying the station, it becomes quite easy to understand the source. (Editor's note: It is also a great help to record the announcement on a plugged in tape recorder and play the announcement over and over until you "read" it.) Many times in the past I have listened to several identifications from the same station, but could not quite pin down what I was hearing.

(Continued next page)

LISTENING TO LATIN AMERICA \*\*\*  
(Cont.)

Maybe there was a bit of static or the announcer was speaking a little rapidly. But by using the visual method I have outlined, I nab them every time.

The aim of all SW listeners is ultimately to obtain verifications from the countries we hear. The best method to use with these stations is a personal letter. An excellent foreign language report form is available from our QSL report editor for one IRC. The report is in the form of a letter and includes detailed instructions as to its use.

Here are some other ideas you may want to use. Don't be afraid to include a postcard or a little souvenir with your report. The Latins are a generous and appreciative people and respect these qualities in others. Many times it becomes necessary to send a follow-up report. When you do, tell them this is your second report. Quite a number of these stations display a tendency to ignore the first report and yet they act on the second when they feel you are truly interested in them. Mint stamps are preferable to IRC's and when sending reports to smaller countries registered mail is a good policy.

The extra work and expense are worth it, considering the rewards. Many of these stations include beautiful pennants or other souvenirs with their letters and cards, for example, Radio Progreso, Honduras, KERMX, Mexico, Radio Atlantida, Peru and Radio Nacional, Venezuela.

Start tonight. Break out your WRTH, listen for the key words used in identification and send your reports in letter form. I think you will be pleased with the results.

\*\*\*\*\*

**DX Tips**

+++We would like to make this a monthly feature. How about sending us your "tip"? Keep 'em short!

\*\*\*

Pick a station in each meter band to act as an indicator of how reception condx are in a certain area at a certain time before you look for those rarer, weaker stations.

For instance, Rabaul on 3385 kHz is a fine tip-off for us at our QTH as to how condx are in the 90 meter band for Papuan and S. Asian stations. If Rabaul isn't coming in at all or is weak, forget it! If Rabaul is coming on like gangbusters, time to go for those weaker ones! Burma, on 5040 kHz, is a similarly good indicator in the 60 meter band.

-----A.V.S.



Les Desea: RADIO BOCONO  
la Emisora del Jardín  
de Venezuela

CHRISTMAS CARD FROM RADIO  
BOCONO, VENEZUELA, 5010 khz.  
++++

UPCOMING!

Next month we'll have an article on a neglected phase of the hobby---DX BOOKKEEPING. We'll have more on country-counting and a special on a rare "pirate", heard for the first time in the U.S. Also, hopefully, more DX Thrills and Tips.

But, remember, we'll be only as good as you make us!

And don't miss Ed Shaw's propagation series on the next page. It's tops.

\*\*\*

If you have an idea, send it along. If you want an assignment, ask for one. And remember, you don't have to be a great writer, to contribute to Shortwave Center!

Gregg Calkin  
P. O. Box 1345  
Station "B"  
Ottawa, Ontario K1L 5N4  
CANADA

# QSL Report

Telephone: (613) 232-0539

Deadline: 15th of month

## SCOREBOARD

This month our spotlight falls on NORTH AMERICA. For our newer members, just a reminder that HIC/VIC - Countries Heard and Verified and HIS/VIS - Stations Heard and Verified. If your name is not in our listing, why not send it in today with your totals.

N <sup>o</sup> .	Name/Location	HIC VIC	HIS VIS	N.A.		Best QSL
				HIC VIC	Best QSL	
1.	Gerry L. Dexter, Wisconsin	207 201	935 709	22 22		Bridgetown, 10528
2.	Don Jensen, Wisconsin	203 200	---	23 23		Turks/Caicos, 8000
3.	Bob Padula, Australia	200 191	---	18 17		Godthab, 5900 kHz
4.	James W. Young, California	196 128	---	---		-----
5.	Bill S. Sparks, California	194 190	---	20 20		VSI8, Turks/4700
6.	Marlin A. Field, Michigan	193 187	732 579	20 20		R. Caribe, 9405
7.	Alvin Sizer, Connecticut	193 176	651 250	19 18		Turks Is., 4700
8.	Dan Henderson, Maryland	192 175	---	18 15		R. Zelaya, 5950
9.	Edward Shaw, Virginia	192 165	386 221	19 17		CKFX, Vancouver
10.	Alan H. Roth, Connecticut	191 171	535 408	20 18		ZHX32/Barbados
11.	Ernest S. Bear, Ontario	188 134	875 230	21 15		L/V de Nahuala
12.	Dr. T. B. Williamson, Ontario	187 170	---	---		-----
13.	Marvin E. Robbins, Nebraska	187 156	741 305	---		-----
14.	Ralph Perry, Illinois	181 165	---	---		Grplands R., 3999
15.	Hirotsu Matsuura, Japan	177 160	---	14 14		ZBQC/6045, Manitoa
16.	Samuel L. Barte, Connecticut	177 150	---	---		-----
17.	Jerry Berg, Massachusetts	176 164	---	20 19		ZHX32/7547 kHz
18.	Dan Ferguson, West Virginia	176 ---	---	17 ---		-----
19.	Gregg A. Calkin, Ontario	174 155	241 180	16 11		L/V de Atitlan/2390
20.	Bill Flynn, California	--- 172	---	21 ---		R. Phillips, INDB
21.	Serge C.P. Neumann, Indiana	171 154	---	---		-----
22.	Robert Nerke, Connecticut	160 130	207 130	17 17		R. Greenland 9575
23.	A. E. Martin, England	158 149	---	19 13		TGNA, Guatemala
24.	Craig Keukel, Illinois	158 130	---	16 13		R. Greenland 3999
25.	Bruce W. Churchill, California	156 135	203 157	13 11		R. Greenland 5900
26.	Terry Adkins, California	156 95	320 108	16 9		CHWX, Halifax 6130
27.	Danny Jamison, Virginia	156 69	328 81	---		-----
28.	Arthur Paulis, Massachusetts	154 113	---	17 13		Godthab, 3999 kHz
29.	Kris Lemna, Indiana	153 116	---	---		-----
30.	Jim Zabransky, Illinois	152 129	205 168	17 15		Godthab, 9575 kHz
31.	Bob Breda, California	151 94	391 122	13 7		-----
32.	Del Hirst, Texas	150 104	341 108	16 13		R. Cristal, 5005
33.	Mike Ryan, California	--- 148	---	---		RPC Panama, 9685
34.	Chris Lebdell, Massachusetts	148 138	256 183	19 16		Turks/Caicos 4788
35.	Victor C. Jaar, P. Q.	146 3	---	---		-----
36.	Henry Michaelenka, R. I.	145 119	237 136	18 18		VSI8, Turks IS.
37.	Steven P. d'Adelf, Massachusetts	145 113	176 136	16 11		Turks/Caicos Is.
38.	Bill Martin, Delaware	145 86	---	15 8		CFVP, Calgary 6030
39.	Steve Kamp, California	141 111	373 198	18 13		CK2N, Nfld 6100
40.	Al Reynolds, North Carolina	135 105	235 123	16 10		CPCX, Montreal 6005

41. Edward Kusalik, Ontario	133	117	166	137	16	15	CFVP, Calgary
42. John W. Hoogerheide, Michigan	132	127	---	---	---	---	CKZN, Nfld, 6160
43. Leen Segal, New York	132	100	---	---	---	11	-----
44. Ron Howard	131	113	---	---	---	16	Grnlands R. 5980
45. Richard Anderson, Illinois	130	115	---	160	15	14	CFVP, Calgary
46. Alan Mayer, Illinois	130	73	---	---	14	11	R. Belize, 3300
47. Errol Urbelis, New York	129	94	380	135	---	---	-----
48. Jerry M. Stuart, Oklahoma	128	105	200	185	16	12	CFVP, 6030 kHz
49. Bob Slowey, Illinois	127	110	---	---	---	---	-----
50. Don Johnson, California	127	67	201	92	14	8	CFRX, Toronto 6070
51. Tom Neely, Michigan	126	107	---	---	15	15	R. Americas, 6000
52. Mike Watman, New Hampshire	126	101	179	131	15	14	R. Belize, 3300
53. Charles Conner, Louisiana	123	73	293	79	13	10	R. Grenada 11975
54. Joseph R. Avery, North Carolina	122	43	---	43	14	4	R. Progreso, 4920
55. Paul Mayo, New York	120	51	140	55	15	6	-----
56. David R. Alpert, Illinois	119	100	---	---	22	20	R. Belize, 3300
57. Edward F. McElwain, Colorado	119	82	---	98	14	9	R. Belize, 3300
58. Larry Marshall, California	117	93	164	126	15	14	R. Grenada 15105
59. Bill Schultz, Pennsylvania	117	85	201	133	14	10	KC2X10, 13560 kHz
60. Rick Charnes, Massachusetts	117	73	176	85	16	8	Radio Reloj, 6206
61. Irwin Glasberg, P. Q.	116	107	234	166	14	10	4VEH, 11835 kHz
62. Andrew Pappas, Illinois	116	98	---	---	---	---	-----
63. Michael Seth, New York	116	73	253	81	---	---	-----
64. Dean Bianco, New York	116	---	145	116	---	---	-----
65. Mark Duba, Vermont	114	89	121	99	14	10	-----
66. Brent Hailpern, Colorado	114	88	225	125	22	13	R. Juticalpa, 4780
67. John Fisher, Ontario	114	73	226	101	14	10	CKZN/6160, Nfld.
68. George Schnabel, New York	113	90	---	---	17	11	L/V de Occidente
69. John Zaharek, Connecticut	112	103	197	145	14	13	ORTF/Martinique
70. James S. Hurst, Maryland	112	95	161	132	15	12	R. Atenea, CR/615C
71. Angelo Gero, New York	111	40	---	46	16	8	CFVP/Calgary, 603C
72. Carroll R. Patterson, Georgia	110	97	240	131	15	11	R. Carraibes 4VEB
73. Wesley Huggins, N. C.	110	90	230	160	13	12	CKZU, Vancouver
74. Greg Kelley, Virginia	110	68	130	75	---	---	-----
75. Marie A. Sala, California	109	65	152	71	---	---	-----
76. Neal A. Perdue, Tenn.	109	36	---	---	---	---	-----
77. Richard S. Heggs, B. C.	108	91	151	108	15	13	R. Belize, 3300
78. Gary S. Goltz, Pennsylvania	107	79	142	90	15	12	HISD/D.R., 6090
79. Scott Reeves, Maryland	107	75	216	---	15	11	NBA, Canal Zone
80. John T. Soneff, Louisiana	106	86	203	101	15	13	-----
81. Jerry L. Green, Virginia	105	81	132	81	15	11	R. Belize, 3300
82. Larry M. Abraham, Missouri	104	68	---	---	15	12	ORTF, Cayenne 3385
83. Mark S. Konen, Wisconsin	104	64	---	---	12	8	HRVQ, 4820 kHz
84. Mike Nikolich, Illinois	103	62	123	81	13	7	CKZN, St. John's
85. Price Kagey, California	102	88	---	---	14	10	4VEH, Haiti
86. Woody Seymour, North Carolina	101	81	135	110	15	11	R. Casino, 5954
87. Eric Draut, Illinois	101	62	137	82	13	9	TIFC/CR, 9645
88. Bob Kirkpatrick, B. C.	99	75	122	81	12	8	WIBS, 21690 kHz
89. Jean Burnell, P. Q.	95	76	157	105	13	11	R. Exitos, 3365
90. Brian Lym, California	95	63	---	59	12	8	WIBS, Grenada
91. Harold Kalkstein, Pa.	95	55	130	65	15	6	WINB, Red Lion Pa
92. Kim Stenson, Vermont	94	68	128	77	---	---	-----
93. Scott McGregor, Mo.	93	83	101	87	13	12	R. Belize, 3300
94. Mrs. Mildred Marshall, N. Dakota	93	82	127	113	13	11	YSS, R. Nacional
95. Harold Sellers, Ontario	93	73	172	100	---	---	-----
96. Mark Schwing, Colorado	93	73	100	79	14	10	4VEH, Haiti 9770
97. Steven E. Sykes, Ohio	93	54	131	72	14	7	CFRX, Toronto 6070
98. Ron Bruns, Missouri	92	75	143	100	11	6	R. Belize, 3300
99. Ken Swatkeff, Alberta	92	58	129	72	---	---	4VEJ, Haiti
100. M. R. Leenhardt, Indiana	92	55	---	---	13	9	-----
101. Dr. William G. Caldwell, Calif.	91	72	---	---	12	12	XEHH, Mexico DF
102. Kent Leonard, Colorado	90	38	134	58	15	6	XERMX, Mexico DF

103.	R. Stephen Dildine, Virginia	89	64	---	---	12	7	CFVP, Calgary/6030
104.	Thomas E. Jones, Minnesota	88	59	137	74	13	7	R. Belize, 3300 kHz
105.	Neal E. Kolb, Florida	88	54	103	59	11	6	4VEH, Haiti
106.	John L. Kolb, California	87	78	99	93	11	10	XEUDS/Hermosillo
107.	Robert Moser, Illinois	87	63	---	92	8	6	R. Belize, 3300 kHz
108.	David Volle, Illinois	86	75	130	88	15	14	YSS, Radio Nacional
109.	Tom Gavaras, Minnesota	86	67	108	76	11	9	CHNX, Halifax 6130
110.	David Baltimore, Penna.	86	62	92	64	12	8	-----
111.	Peter Taylor, Ontario	85	68	116	73	13	10	CHNX, Halifax 6130
112.	Shirley D. Isaac, S. C.	84	57	---	---	12	6	R. Belize, 3300 kHz
113.	Bob Kelleher, New York	83	48	137	70	---	---	-----
114.	Audie Kaufman, Tennessee	82	71	125	98	10	8	RTV Dominicana 6090
115.	John Mraz, Pennsylvania	82	61	111	71	12	9	R. Reloj, 6207 kHz
116.	Bill Coleman, N. C.	82	21	---	---	---	---	-----
117.	Bob E. Estand, Texas	81	79	100	97	12	10	Gronlands R., 5980
118.	Kevin Klemen, Wisconsin	81	29	116	32	---	---	-----
119.	Anthony Marks, Oregon	80	69	107	87	---	---	-----
120.	Ivan Grishin, Ontario	78	51	---	---	11	6	R. Cultural, 9505
121.	Bob Carlsen, Ohio	77	42	---	---	12	5	4VEH, Haiti, 9770
122.	D. J. Weber, Ohio	75	68	---	---	---	---	-----
123.	Jehn W. Banta, New York	75	63	90	72	14	10	R. Americas, 6000
124.	Ralph Richards, California	75	15	---	---	---	---	-----
125.	Andrew Rugg, Ontario	74	64	121	105	12	11	HRVC, Honduras 4820
126.	Les Gaynor, Michigan	74	62	127	76	---	---	-----
127.	Edward J. Pyatt, S. C.	74	62	89	73	15	11	KGFI, 15280 kHz
128.	Martin Imbert, Virginia	74	58	99	78	9	8	CJCX/Sydney, 6010
129.	William White, New Jersey	74	51	108	60	13	6	4VEH, Haiti 15280
130.	Michael Wiseberg, Ontario	73	50	94	65	8	6	CKZN/Nfld, 6160 kHz
131.	Thomas O. Clark, Ohio	72	57	80	65	13	7	R. Belize, 3300 kHz
132.	Frank E. Aden, Idaho	72	55	---	---	---	---	-----
133.	Corky Webb, Texas	70	65	96	89	10	9	XEWS, Mexico, 15160
134.	Rick Loustau, California	70	43	83	47	---	---	-----
135.	James Ducharme, Massachusetts	70	8	87	8	12	2	R. Nederland 11730
136.	Mike S. Hardester, California	69	59	103	89	12	9	CKZU, Vancouver 6160
137.	John Walenter, Illinois	67	57	---	---	11	8	4VEH, Haiti, 9770
138.	Terry R. Hicks, Florida	67	44	83	57	---	---	-----
139.	Richard G. "Bill" Pashke, Wis.	66	57	85	68	10	8	YSS R. Nac., 9555
140.	Jim Weber, California	66	45	71	47	---	---	-----
141.	Ken Hunt, California	66	41	82	43	20	9	-----
142.	Robert J. Koziomkowski, N.Y.	65	37	73	44	8	5	4VEH, Haiti, 9770
143.	Leslie Geir, N. D.	65	37	65	37	11	7	CFVP/Calgary, 6030
144.	Guenther Tumas, Pa.	65	32	13	3	7	3	-----
145.	Tom Blossom, Indiana	64	54	72	61	11	10	Gronlands R, 11745
146.	William J. Plum, New Jersey	64	50	106	83	12	8	CHNX, Halifax, 6130
147.	Richard L. Dushane, Michigan	64	49	88	60	13	8	R. Americas, 6000
148.	Geoff Oates, B. C.	63	53	79	70	7	4	WLMO, 5030 kHz
149.	Gary H. Toncre, Florida	59	35	75	44	10	4	4VEH, Haiti, 9770
150.	Mitchell Lewis, N. C.	58	22	73	22	13	3	Bonaire, 11835 kHz
151.	Bob Peritz, New York	56	52	62	57	9	7	WIBS/Grenada 11970
152.	Norman Starr, Ohio	56	22	---	---	---	---	-----
153.	Dave Megyesy, New Jersey	55	47	80	47	11	5	CHNX, Halifax, 6130
154.	Steven Handler, Illinois	53	46	75	61	11	7	4VEH, Haiti, 15280
155.	Arthur Smith, Alabama	53	36	65	42	12	6	R. Barquisimeto
156.	Angelo Coppola, Italy	52	44	65	53	---	---	AFRTS, 21500 kHz
157.	Robert Ingram, Ohio	52	14	59	17	8	3	CFRK, Toronto 6070
158.	Steven Fix, New York	50	31	88	---	7	4	R. Havana, 9525 kHz
159.	Charles Self III, Minn.	49	14	67	18	7	5	R. Havana, 11930 kHz
160.	Dan Kening, Illinois	48	36	57	37	---	---	-----
161.	Marty Austin, Connecticut	46	37	57	39	8	5	R. Canada Int, 9625
162.	Frank Orcutt, New York	46	31	53	39	2	2	-----
163.	Andy Kerr, Oregon	44	38	63	59	8	5	CKFX, Vancouver 6080
164.	Craig Wicks, MI.	40	25	50	34	6	4	4VEH, Haiti 11835

165. Edward Fudman, Maryland	40	28	43	30	--	--	-----
166. Joey D. Kennedy, Louisiana	38	30	47	34	8	6	HRVC, 4820 kHz
167. Vic Argabright, Colorado	38	23	42	23	8	3	TWR/Bonaire 11815
168. David Sturm, N. J.	37	18	46	23	6	4	R. Canada Inter.
169. Cal Cornils, California	36	35	48	47	7	7	-----
170. Paul D. Lynch, South Vietnam	36	14	40	15	1	-	-----
171. Mike Clyburn, Florida	35	29	41	36	8	5	4VEH, Haiti 9770
172. Tom Jeffrey, Oregon	34	17	34	17	6	4	CKZU, Vancouver
173. Duane Gettings, Ohio	32	4	33	4	5	1	R. Nederland
174. Christopher J. Gay, Ohio	18	7	21	8	3	2	R. Habana, 11930
175. Larry Yamron, Pennsylvania	--	5	13	5	7	5	4VEJ, Haiti, 11835

And that's it for another SCOREBOARD. We are pleased to see many new names in this month's listing, but unfortunately a few names have had to be dropped as they had not updated their totals in some time. Why not keep yours up to date? Next SCOREBOARD will appear in the March 1973 FRENDX when the spotlight will fall on AFRICA.

#### QSLs RECEIVED

AFARS & ISSAS: Djibouti, 4781, two page folder card in 23 days airmail for French report and mint stamps. Full data from A. Daumas, Chef des Services. (Hall) 12 d. for French rpt with mint stamps on 2nd day of Ramadan. (Sizer)

AFGHANISTAN: R. Afghanistan, 15265, aerogramme in 10 wks (Fisher) aerogram/form letter in 29 days air for 4 IRCs (Michalenska) 50 days for 4 IRCs (Schnur)

ALGERIA: RTA, 9510, arabic card from Engineering Dept., in 8 months after f/up with mint stamps. Original rpt in French, f/up in Arabic. (Campbell) 2 months (L. Marshall) 2 months for French rpt (N. Kolb)

ANGOLA: A Voz de Angola, 6175, multicolored Luanda beach scene, 24 days air for Portuguese report with 1 IRC (Foster)

Radio Angola, 11875, card with an aerial view of Luanda; 38 days air for 2 IRCs. (Williams)

Radio Clube do Huambo, 5060, African drummer card, veri statement in 6 languages but no details; 21 days for 3 IRCs and NASWA Portuguese report form. (Bruce)

ARMENIAN S.S.R. Radio Yerevan, 15100, plain card in four months by air for two IRCs (Williams)

AUSTRALIA: ABC-Sydney, 6090, veri card in 2 months for 1 IRC plus used US stamps. (Reeves)

ABC-Brisbane, 4920, map card in 2 weeks for 1 IRC. (Conner) 2 months for 1 IRC. (Reeves) 9660, card in 14 weeks (Fisher)

VNG, Lyndhurst, 12000, antenna folder card with all data in 22 days air for no return postage. (Stone) 7500, folder in 17 days (Fisher)

VLW9, Perth, card for 9610 in 20 days for 1 IRC (Stone)

Radio Australia, 11710, card for Shepparton in 6 wks (Barto) 20 days air-mail for 9580/Shepparton (Austin) card showing "Parke's Radio Telescope" with full data by air in 19 days for 3 IRCs. (Lobdell) card for Darwin, 21480, (Webb) 21550, Opera House card in 3 months (Barto) 21740, card in 75 days (Nebron) 3 mos (Oates) 1 year for 17820 (Megesy)

Radio University, VL2UV, Sydney, 1750, card showing transmitter tower radiating from top of building. All details, including power at 300 watts. 12 days for no return postage. (Foster)

Radio University, VL5UV, Adelaide, 1630, card from V/S: Keith Conlon, Production Manager, stating freq., date and power, also 300 watts. 2 weeks for no return postage. (Foster)

AUSTRIA: ORF, Vienna, 9770, full data card in 2 months for 2 IRC, plus pennant 1 month later (Megesy)

Army Training Station OEY21, 6255, long white card in 16 days for 1 IRC. (Campbell)

BANGLADESH: Radio Bangladesh, Dacca, 17935, card in 2 months air (Paschke) 16 days



**RADIO UNIVERSITY VL5UV** 59

DEPARTMENT OF ADULT EDUCATION,  
THE UNIVERSITY OF ADELAIDE.

frequency : 163.0 KHz	transmitter : Dry Creek
power : 300 watts	antenna : 125 ft vertical radiator

We thank you for your report of transmission on ....8-10-1972.,  
and we have pleasure in confirming your report.

  
 .....  
 Producer Manager, VL5UV  
 South Australia

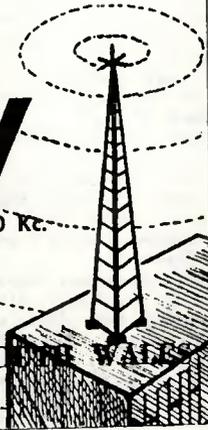
**RADIO UNIVERSITY**

# VL2UV

1750 Kc.



THE RADIO STATION OF  
**THE UNIVERSITY OF NEW SOUTH WALES**  
KENSINGTON, N.S.W., AUSTRALIA



SEE AUSTRALIA FOR DETAILS ON THESE RARELY HEARD AUSTRALIAN STATIONS, WHO BARELY MAKE IT INTO THE SWBC BAND. THANKS TO DAVID FOSTER OF VICTORIA, WHO SHOWS THEM TO US.

by plain white card (Fisher) 3 weeks (Padula) 22 days from V/S: M. Habibullah w/full data (Carlsen) 11650, full data card in 24 days for 1 IRC (Howard) 2 months (Williams) 36 days for 1 IRC (Hafer)

BELGIUM: ORU, Brussels, 9550, card with full data in 17 days for 1 IRC (Carlsen) 15 days for 1 IRC (Starr) 1 month (Megyesy) 17 days (Stone)

BYELORUSSIAN SSR: Radio Moscow, Minsk, 9660, full data, gray card in 9 weeks for no IRCs (Barto)

BRAZIL: Radio Globo, 11805, colorful thin card in 10 wks seammal; 1 IRC (Noriko)

Radio Jornal do Comercio, 6085/15145, 1 card each in 11 days plus personal letter and promised pennant. V/S: Artur S. Miranda, Technician in Charge. (Field)

Radio Nacional de Brasilia, 15450, letter in 25 days from V/S: Luthero Toledo (Sparks) 15445, English letter in 2 weeks (Howard) letter for 5 IRCs (L. Marshall) card in 21 days plus pennant (Paschke) letter and pennant; no IRCs (Martin) 43 days seammal for 3 IRCs (Schultz) p/c of Belo Horizonte in 3 weeks (Reeves)

Radio Nacional de São Paulo, 6125, blue/black/white card giving date and verie statement only, by seammal in 2½ years. Sent tape recording and mint stamps. V/S: Renate J. A. Molinari. (Lobdell)

Radio Poti, Natal, 4935, personal letter in Portuguese and English and color p/card of street scene in Natal. Full data in 9 months for registered Portuguese report with mint stamps. (Schnur)

BOLIVIA: Radio Altiplano, 5045, pleasing red-white-blue card and commercial rate table in 50 days for Spanish report and 2 IRCs (Campbell)

Radio San Miguel, 4700, letter in English from Padre Thomas C. Higgins, who is no-longer connected with station, and second long English letter from R. P. Miguel Ruck. Both are hams. Airmail in 3 weeks after f/up. (Dexter)

BOTSWANA: Radio Betswana, 4845, color card of desert. No data except frequency. Reply came in 10 months airmail. 3 IRCs sent. (Lym)

BRUNEL: Radio Brunei, 7215, green-yellow mosque card, with map, and sked. 58 days for 2 IRCs. (Campbell)

CAMEROON: Yaoundé, 4972.5 kHz, received two map cards in 171 days for a registered report in French and IRCs. (Schnur)

CANADA: Radio Canada International, 11720, card by air in 17 days (Dickey) 9625, card in 20 days airmail (Lobdell) 15 days for no return postage (Stone) 20 days air-for no return postage (Lobdell) 3 weeks (Barto) 4 weeks (Imbert) 13 days (Paschke)

Deutsche Welle relay, Sackville, 9605, card airmail in 2 weeks with site given (Padula) 11865, card from Köln with Sackville site indicated; 9 months airmail for mint stamps, unused. (Calkin)

CHU Time Signal, 3300, blue and white card and information on facilities; 2 weeks (Yamron)

CHNX, Halifax, 6130, plain card in 1 week for mint stamps. (Megyesy) 11 days (Carlsen)

CFRX, Toronto, 6070, skyline card with full data in 9 days. No return postage. (Self) 8 days for stamps (Megyesy)

CJCX, Sydney, 6010, card with date and frequency in 9 days (Carlsen) 6 days for mint stamps. (Mayer) 2 weeks for Canadian dime (Reeves) 4 weeks (Martin) 1 week for dime (Reeves)

CFCK, Montreal, 6005, card in 1 month (Abraham)

CKZN, St. John's, 6160, card in 1 week for a Canadian dime (Reeves)

CANARY ISLANDS: RNE, 11800, antenna card with full data in 13 days air for 1 IRC. Rpt to Madrid (Carlsen) 16 days for 2 IRCs (Yamron) photo of studios card from Madrid for 1 IRC (Abraham)

CAPE VERDE IS.: Radio Barlavento, CR4AC, Sao Vicente, card thanking me for my report and requesting more; Reported in Portuguese with NASWA form and mint stamps. Reply in 37 days airmail. (Noriko) 17 days for 2 IRCs. Reported in English. (Rippel)

CHINA: Radio Peking, 15060, card with date and frequency in 25 days (Carlsen) 23 days for no IRCs (Pino) 11735, card of ballet dancers in 1 month by air for no IRCs.

(Williams) 9972, Red Detachment card with date and freq. (Hafer) Morning Scene of Tien An Men Square in 30 days for 15060 (Paschke) card, form letter and sked in 6 wks (Kamp)

CLANDESTINE: Radio España Independiente, 12140, Picasso card in 116 days (Campbell)

Radio Atlantis South, 6290, plain typed card and personal letter in 9 d. for mint stamp. Station broadcasts Sundays "from the Midlands" with 15 watts, and

will become Radio London International soon. QSL posted from Newcastle, Staffordshire. (Campbell)

Blossom Radio/'pirate', card in 10 days (Martin)

Radio Venus, 6225, QSL letter, poorly typed, almost illegible, 4 weeks.

(Martin)

Radio Liberty/'pirate', 6815, QSL letter: saying no cards printed as yet. 2 weeks total time. Station now moved to 6225. (Martin)

Radio Pegasus, 6250, hand-drawn paper QSL and personal letter with studio data in 5 days for mint stamp. Power is 25 watts. QSL posted from Grimsby, Lincolnshire, England. (Campbell)

COLOMBIA: Radio Guatapurí, verification letter and pennant in 3 months for 4916 kHz. Reported via NASWA Spanish language report form and 2 IRCs. V/S: G. Peraza Moron, who likes local p/cards. (Glasberg)

Radio Nacional, 4955, full data card in 2 months for mint stamps. (Megyesy)

Radio Super, 6065, letter with verie statement only in 1 month from V/S:

Gustavo Rivera Mendez, Dep. Técnico (Fisher) 6 weeks after f/up; total time: 18 weeks. (Padula)

La Voz de Bogota, verification letter and Todelar pennant in 2 months for 5960 kHz. V/S: Otto Neumann, Dep/ Técnico. Reported in Spanish with 2 IRCs. Reply in English. (Glasberg)

CONGO: ORTF, Brazzaville, 15190, card of ORTF/Paris studios at night, full data; 9 months air after 2 f/ups. (Stone) 2nd folder card with date only in 1 month; 2 IRCs.

(Reeves) Those of you who missed this one have now lost your chance. (Ed.)

COSTA RICA: TIFC, 9645, card in 4 months for 2 IRCs and taped report (Marks)

CUBA: Havana, 11930, multicolored pinwheel card with full data in 133 days air (Mayer)

CYPRUS: BBC Thames card via London in 40 days (Draut)

CZECHOSLOVAKIA: Radio Prague, 11990, colorful drawing of Eastern European houses on the card, received in 3 months by air for no IRCs. (Williams)

DENMARK: Radio Denmark, Copenhagen, 15165, card of radiohouse aerial tower in 21 days air for 2 IRCs. (Paschke) 15 days air (Nebron) 20 days for 1 IRC (Carlsen)

DODECANESE IS: VOA/Rhodes, 6015, card with site, date and frequency in 16 days for no return postage. (Howard) 7205, antenna card in 10 days (Barto) 6015, card in 15 days (Mayer)

DOMINICAN REPUBLIC: RTVD/9505, Santo Domingo, letter, stamps and colorful pennant from R. A. Font Bernard, in 1½ months for a Spanish report with mint stamps, post card and U. S. stamps. (Howard)

ECUADOR: HCJE/Quito, 15115, card in 20 days for 2 IRCs (Paschke) 11445, card in 21 days air (Dickey) 9605, card in 3 months (Kelleher) 9605, 3 months (Field)

Radio Zaracay, 5390, confirmation letter from V/S: Holger Velastegui Dominguez Gerente Proprietario. He said a booklet about station was enclosed, but it wasn't. 3 weeks air after f/up Spanish report with 2 IRCs (Foster)

EGYPT: Cairo, 9475, b/w card with picture of ancient carving; also letter, sked and sphinx p/card. 8½ months with 2 IRCs. (Kelleher)

EL SALVADOR: Radio Nacional de El Salvador, YSS, 5980, blue/white card with frequency only. Rpted in Spanish with mint stamps. Reply in 97 days air (Mayer) 5980, card, pennant and tourist literature in 4 months, 2 months after f/up w/3 IRCs. Reported in Spanish. (Calkin)

ENGLAND: VOA/Woolferton, 7200, antenna card in 2 weeks (Barto) 9715, 8 days with 30th anniversary VOA card. (Webb)

BBC, London, 7210, thanks to Behr's tip, received all data QSL card with verie statement for German report. No return postage. Received only for reports on German service. V/S: Bernard Bale. (Sizer) QSL appears on QSL-8 (Ed.)

ESTONIAN SSR: Radio Tallinn, 6085, picture card with full data in 1 month. No IRCs. (Behr)

ETHIOPIA: ETLF, Addis Ababa, 9730, blue card and sked, by air in 15 weeks for 3 IRCs. (Wallace) 5 weeks airmail (N. Kolb) 2 months seairmail (Lym) 71 days (Imbert) 1 month for 2 IRCs (Williams)



**B B C** **LONDONER RUNDfunk**

täglich in deutscher Sprache:

<b>Erste Frühsendung</b> 05.15 06.00	<b>Nachmittagssendung</b> 17.30 18.00
<b>Zweite Frühsendung</b> 06.30 07.00	<b>Hauptprogramm</b> 20.00 22.00
<b>Mittagssendung</b> 12.45 13.00	<b>Spätsendung</b> 23.45 24.00

FINLAND: Helsinki, 15185, headphones map card in 24 days for 1 IRC (Carlsen) 2 weeks airmail for English report. (Howard) 4 weeks air (Padula)

FRANCE: ORTF/17730, aerial photograph of Paris on the card; received in 3 months by air for no IRCs with station magazine. (Williams) 1½ months air for 3 IRCs. (Stone) 52 days air (Nebron) 6 weeks (Barto) 5 months for 1 IRC (Abraham) 11930, 3 months air for 2 IRCs (Draut)

GALAPAGOS: La Voz de Galapagos, 6260, blue map card with full data for report of Jan. 1971, also English letter from Jorge Narvaez and nice pennant, showing coat-of-arms of Franciscan Order, turtle and mike. New frequency listed as 3520 kHz. (Behr)

GAMBIA: Radio Gambia, 4820, letter plus sked in 1 month for 3 IRCs (Reeves)  
GEORGIAN SSR: Radio Moscow, Tbilisi, 11925, red card for Aug reception. Full info; no IRCq sent. 9 weeks. (Barto)

GERMAN DEM. REP. RBI, 9625, colorful drawing of East German flags in front of the capitol building on the card; 1 month air for 2 IRCs (Williams) 28 days (Fino)

GERMAN FED. REP: Deutsche Welle, 21650, Olympic card with full data in 7 weeks air for no IRCs. (Matsuura) card for Julich in 3½ months air (Stone) 9605, 6 weeks (Barto) 6170, 2½ months (Fisher) 6100, 3 months, no IRCs (Noriko) 6040, card in 63 days (Austin) card for Wertachtal in 2 weeks (d'Adolf) 9735, Olympic runner card with pennant (Mayer) RIAS, 6005, office-building p/c card in 8 days (Campbell) SIR Stuttgart, 6030, long yellow card and report form in 8 days.

(Campbell)

VOA/Munich, card in 4 weeks (Barto)

GHANA: Radio Ghana, 11850, full data red, yellow, green card in 5 months air (Wiseberg) 4915, letter in 3 months. Card 1 month later with full data. (Rodman)

GREECE: NHBI, Athens, card for 15425 with all details; w/sked. (Padula) 3 weeks air for 2 IRCs (Abraham) 15345, card in 25 days for 2 IRCs (Draut)

GREENLAND: Grønlands Radio, 9575, long folder card and tourist info in 129 days for 1 IRC. V/S: Birthe Krogh. (Campbell)

GUATEMALA: La Voz de Nahuala, 3360, cards for 2 Spanish reports in 31 and 200 days. Mint stamps sent and used. (Campbell)

Radio Nacional, La Voz de Mazatenango, 2880 (2 X 1440), personal letter in 2½ months on 2nd try for this harmonic. Also received 4 p/cards. V/S: Carlos A. Orellano, Director. SASE sent, but not used. (Field) Very good OM. (Ed.)

Radio La Voz de Atitlan, TGDS, 2390, verified in 4 weeks with letter from V/S: Juan Ajtzip Alvarado, Locutor. Station address is simply Santiago Atitlan, Depto. Solola. (Calkin)

GUYANA: Radio Demerara, 3265, b/w office-building card in 1 day in return for personal visit and 15-minute radio interview. (Campbell)

NEW SECTION TO APPEAR IN FRIENDX Former Log Report editor Larry Magne will be editing a new section, dealing with clandestine stations, pirates, other illegal or quasi-legal stations/broadcasts. The first installment should appear in the January 1973 issue. We are looking for an R. Crumb type cartoonist to design a heading for the new section, as well as perhaps do a few additional cartoons for FRIENDX. In over 600 members we should have some-one so talented. Please write our headquarters immediately if you can help us with this need. Thanks.

SPANISH SAHARA has begun to QSL! Earle Hall, Al Niblack, Al Sizer and Ed Snaw have recently received QSLs from them. The schedule given with the QSL shows 0800-1100 and 1900-2300 on 7230 kHz, 10 kw. However, this frequency is known to have been inactive for sometime. Possibly, however, this schedule indicates they may return to the air. (via Don Jensen)

TILOR Don Jensen reports a QSL from Timor, 3668 kHz

GALAPAGOS This station, now on 3520v kHz, has been heard in the mornings, at 1100 to 1128 Fade-out by Hank Michalenka. Others are noting them evenings, around 0300 and later.

ISRAEL From Larry Magne comes word that Eileen Hyman of IBA indicates that Mr. F. Z. Stocknein tells her that MA transmissions "are under discussion", but that "we regret that we are unable to confirm their imminence." Larry also indicates they verified each frequency he checked for each time segment - over 30 freqs over an hour! (Larry Magne) C.M. Stanbury notes that a reply to an effort to QSL what he believes is their "counter broadcast" on 1106 kHz, consisting of a num on Cairo's 1106 kHz Hebrew service, indicates that it may have been "an harmonic" of our broadcast on 11760 kHz! However, as you gave no program details and do not mention the language of the broadcast, we regret that we cannot confirm your

# FLASHSHEET

No. -1

December 2, 1972

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Serious DXing thrives on the fast exchange of DX news, especially news of the rarer stations. In order to overcome the problems inherent in a monthly bulletin some DXers in North America have, for the 3 years and more, been exchanging data on a more frequent basis. But there has been a problem getting such a thing done on a larger basis, with a group the size of NASWA. The group mentioned is only about 25 in size. NASWA's 600 plus members makes things a bit more difficult. However, we have now, after discussions continuing over several months (since the AMARC convention in Boston, last July), we have arrived at something which will speed the delivery of flash-type material, at minimal cost to the club. (Incidentally, the monthly FRENEX has been expanded from the former maximum of 48 pages with mimeograph reproduction, to a regular 52 pages with offset, and a much larger maximum, with no increase in postage over the usual 16 cents.)

In the past, even the latest items telephoned to headquarters were at least 10 days old by the time they reached the members, in the regular FRENEX. And earlier breaking items were even older. Now, for most items, a few more days won't make all that much difference. But for the real DX items, it does! So, we will in the future publish the FLASHSHEET via mimeograph reproduction, and it will be printed at the last possible minute, after the regular FRENEX has already been printed! The mimeographed FLASHSHEET will be stapled in the center of the FRENEX, and can be removed, like the combination order blank/survey in November.

Due to the reorganization of the Log Report, it will be an easy matter to see that all Flashsheet items appear in the text of the next regular FRENEX, so that the flashsheet can be discarded after the receipt of the next FRENEX, if desired.

ing, for storage in a 2 or 3 ring binder.

In addition, on a limited basis, for the time being, we are issuing a mid-month Flashsheet. The limited basis for the mid-month Flashsheet distribution is necessary due to the problem of increasing the workload at headquarters. After the purchase of the planned addressing machine, it might be possible to widen the distribution. However, we believe that all those who are interested in receiving the mid-month Flashsheet will be able to receive it under these rules, to follow. To receive the mid-month Flashsheet, you simply enclosed a self addressed, stamped long envelope with your report to the LOG REPORT section. With all reports to the Log Report now being sent to headquarters for distribution for the editors, it is a simple matter to note the flash-type items in those reports, and include them in a mid-month Flashsheet. Since the deadline on receipt of reports for the LR section is the 12th, we will allow a couple of extra days for any late flashes to develop, and mail it the 16, after compiling & running it off on the 15th. (Real super-flash items might cause it to be mailed earlier. Note again that all items which appear in the Flashsheet will appear also in the next regular FRENCH. All the mid-month Flashsheet will do is get flashes to those members supporting the club with logging a little bit earlier. If we meet with favorable response on this, and after arrangements are made to simplify the production of larger quantities of the mid-month Flashsheet, it is possible that it will be made available on a more general basis. For the time being, however, restricting it to those who report to LR, or who report late FLASHES, should cover everyone who would make much use of the material. Members who have occasion (or who want to take occasion) to write HDQ might let us know their opinions on this expanded service. Dan Ferguson

LR and Flashsheet reports to the HDQ address! Late Flashes, phone (304) 346-5733.

2215, when EE num began, short news summary in RRnum at 2229, then into what seems to be a Swanili num." Hummm!

GREECE Athens domestic svc in Greek rptd new 100 kw SW tx, at Avlis, to begin 16 Nov. Not hrd till 20 Nov, when carried the announced sked to 1200, at least. All tx so far are in Greek, begin w/approx 12 minute news bulletin. Announced sked:

0500-0750	Turkey/Cyprus	6175 kHz
0800-0950	Australia	21610
1000-1150	C.Africa	17780
1300-1350	Spain/Portugal	15425
1400-1450	Panama Zone	21610
1500-1550	Egypt	9605
1600-1700	Balkans	6075
1715-1750	Soviet Union	7125
1800-1850	Ethiopia/Kenya	9520
1900-1950	Europe	5960
2000-2050	Azores	7295
2100-2150	Australia	7215
2200-2250	Japan	6075

(BBC Monitoring Service -used by permission) FLASH! Latest m from BBC MS indicates the above schedule is being followed, as announced. (BRC MS)

JAPAN Additional NHK Home Service Relays! Two additional NHK HS relays have been discovered by Hiroatsu Matsuura. They are 9535 kHz at 2330-0000 GMT; 2nd network, location not known; and 9550 at 0100-0700, Tokyo, first network (Hiroatsu Matsuura, Japan)

INDIAN SUBCONTINENT Don Jensen indicates that fade out of stations in this area may occur slightly later than usual in the mornings in the next couple of weeks, thru perhaps the middle of December. Nothing definite, but some of those stations are certainly worth a try.

#### 60 METER SURVEY

We have run out of copies of the recently issued 60 meter survey. 60 meters will be re-surveyed shortly, and the survey is expected to be considerably longer than in the past. Those who have additions and/or corrections to the last survey should send them to NASWA HDQ. Thanks.

73, Dan Ferguson

NASWA FLASHSHEET, P.O. Box 8452, S. Charleston, W.Va. 25303. Phone (304) 346-5738

HAITI: 4VEH/4VWI, 9770/15280, folder card, sked and religious tracts. 6 weeks from V/S: Mrs. Edna Beachy, QSL Secretary. (N. Kolb) folder card in 75 days for 1 IRC. (Carlsen) 67 days for 11835 kHz (Megyesy)  
HAWAII: WVVH, card in 1 week for stamps. (Megyesy) 5,000, folder card in 19 days. (Fisher)

HONDURAS: Radio Juticalpa, HRRZ, 4780, verie letter giving history of station and list of places they've been heard, together with a photo of the Juticalpa river and promised a pennant later. 12 days for mint stamps. (Abraham)

HUNGARY: Radio Budapest, 11910, full data card in 7½ weeks for an English report with no return postage. (Howard) 9833, card air in 21 days (Dickey)

INDIA: AIR, 6085, complete QSL letter from V/S: D. P. Ramachandra, Audience Research Officer, in 1 month airmail for no return postage. (Foster)

INDONESIA: RRI/Djakarta, 3275, personal letter with frequency and verie statement from V/S: Mrs. Lies, by air in 80 days for 4 IRCs (Wallace)

RRI/Medan, card with all details for 4765; 5 weeks for report to Djakarta (Martin)

INTERNATIONAL WATERS: Radio Nordsee International, 6205, sent usual "Mebo II" card w/full data typed on reverse, by air in 5½ weeks. Also sent p/card showing "Jacky Nordsee" riding a dolphin. Reported to address in Holland w/2 IRCs. (Lobdell) 103 days for an English report and 2 IRCs. (Mayer) 11 months (Martin)

IRAN: Tehran, 15084, long card, stating 15100 kHz plus colored travel folders written in German and French, via registered airmail. 4 weeks and only, my second, ever, QSL from this station on shortwave. (Padula) long white card and tourist info in 99 days, 1 IRC. (Campbell)

IRAQ: Radio Baghdad, 15400, map card air in 48 days for 3 IRCs. (Schultz)

ISRAEL: IBA, Jerusalem, 11760, card for special tests and sked in 1 month airmail. (Padula) 9625, Old Jerusalem card with full veri and sked in 5 weeks. No IRCs.

(N. Kolb)

ITALY: RAI, 9575, map and antenna card in 3 months for no IRCs. (Hafer) 11810, QSL w/sked in 97 days (Austin) 9575, pennant plus new international sked; 51 days (Fino)

IBF Time Signal, Torino, 5,000, card in 11 days for 1 IRC. (Campbell)

JAPAN: FEN, 6155, blue and white card in 2 weeks for no return postage; Address: 6120th Broadcasting Sq., HQ FEN, APO San Francisco 96267. V/S: John F. Buey, Chief, FEN. (Conner)

NHK, Tokyo, 17825, "Bingata" Bird Cloth pattern of Okinawa in 10 days air. (Paschke)

KOREA (REP): VOFK, Seoul, 9640, Buddhist Pagoda card in 4 weeks (Fisher) 3 weeks air for 1 IRC. Also sent pennant. (Lym) 3918, card in 1 month air for no IRCs (Foster) 2 cards and 2 pennants in 1 month (Abraham) 22 days for 2 IRCs (Seymour)

KUWAIT: Radio Kuwait, 15415, card with sked and pennant in 53 days for 1 IRC; (Austin) folder card with all details in 3 weeks for 2 IRCs (Hafer)

LIBERIA: VOA/Monrovia, cards for 7195, 7280, 6035, 11925, 9740 w/standard antenna anniversary card (Barto) 11950, native drummer card in 65 days for 1 IRC (Carlsen) 8½ months for no IRCs (Hunt) 4770, card in 4 months seemail (Reeves) 9 months (Fisher)

LITHUANIAN SSR: "Radio Vilnius", 9550, card in 160 days (Austin) 3½ months (L. Marshall) 15210, brown card in 4 1/4 months with full data. (Hafer)

Radio Moscow, Kaunas, 11870, full data card in 9 weeks (Barto)

LUXEMBOURG: Radio Luxembourg, 15335, card airmail in 4 weeks, but quoted 15350 in error. (Padula)

MALAGASY REF: Radio Nederland, 11740, Madagascar card in 10 days air (Nebron) 17810, island map card in 10 days for 1 IRC. Report sent to Hilversum. (Carlsen) Talata/15195, 5 wks (Barto) 3 weeks for 15105 (Glasberg) 13 days (Wiseberg) 21480, 8 days (Padula)

MALAYSIA: BBC Relay, Tebrau, 17860, Thames card in 74 days surface mail (Dushane)  
Thames card w/site typed in (Abraham)

MARTINIQUE: ORTF, Fort-de-France, 3315, "Beach" card with printed sked in 12 days  
for French report and 3 IRCs (Howard)

MAURITANIA: Radio Nauritanie, Nouakchott, 4850, map card of Africa with Nouakchott  
shown and flag. Verification complete and sked on reverse for report in French and an  
3 month wait. (Kusalik)

MAURITIUS: Forest Side, 9710, four color card with full details in 23 days airmail  
for mint stamps. Top color is red and descends, similar to flag? (Hall)

MEXICO: Radio México, XERMX, letter and pennant in 2 months (Megyesy) 15125, letter  
in Spanish confirming reception and an English questionnaire with data sheet on  
Mexico in 2 months by air for 2 IRCs. (Williams) 9705, letter with full data via  
registered airmail for NASWA Spanish report and 1 IRC in 38 days (Norko) 48 days for  
3 IRCs; reply airmail. V/S: Victoria E. Perez de Leon (Rippel)

Nucleo Radio Mil, XEOI, México, DF, 6010, p/card QSL of the De La Raza  
Monument, with full data plus confirmation statement, for a report on their barely  
audible carrier, rarely heard even in the Distrito Federal. 1 month for SASE.  
(Calkin)

La Voz de la América Latina, XEWS, 15160, letter in 20 days from V/S:  
Bernardo San Cristobal, Gerente General. (Webb)

MONACO: Trans World Radio, Monte Carlo, 7290, antenna card with full data in 21 days  
for 1 IRC. (Carlsen)

MOROCCO: VOA/Tangier, 15305, 30th Anniversary card in 7 days (Webb) 7270, 21455,  
cards in 12 days (Barto)

MOZAMBIQUE: Radio Clube de Moçambique, 11780, studio building color card in 16 days air  
for 2 IRCs. V/s: Maria Helena Marques (Seymour) 11780, studio card in 3 months for  
mint stamps. (Draut) 4855, studio building card with frequency only, via airmail in  
12 days for 2 IRCs and NASWA Portuguese report form. (Norko)

Radio Clube de Moçambique, Nampula, 4946, Portuguese report with 1 IRC  
sent direct to Nampula, but reply from Lourenco Marques with colourful statue card.  
Frequency only given by Maria Helena Marques. 5 weeks air after f/up (Foster)

Radio Pax, cross type card in 12 days from Box 594, Beira. (Rippel)

NETHERLANDS: Radio Nederland, 11730, card air in 234 days (Dickey) card for Lopik  
in 55 days (Carlsen)

NETHERLANDS ANTILLES: Radio Nederland, Bonaire, 11730, 2 weeks air (Fino) 50 days  
(Nebron) 16 days air (Imbert) 6020, 2 months (Barto)

NEW GUINEA: Radio Morobe, 3220, stencilled letter confirming reception and regretting  
lack of QSLs. V/S: John J. Waters, Station Manager. 5 days air for no reply postage  
(Foster)

Radio Madang, usual P/NG folder in 2 weeks for English report and 3 IRCs.  
V/S: Phillip N. Charley. No data. (Perry)

NEW ZEALAND: Radio New Zealand, 15110, map card in 3 months seamail for no IRCs and  
with tourist info about New Zealand. (Williams) globe card after second try in 7  
months. (Draut) 4 months (Dushane)

NIGERIA: VON, 15185, map card with all details in 3 weeks (Hafer) 2 months (Megyesy)  
7255, green flag card airmail in 3 weeks after f/up; total time: 10 months (Padula)  
3 months for 2 IRCs (Draut)

NORWAY: Radio Norway, 17800, card in 8 weeks; no IRCs. Full data (Barto) 17825, card  
in 9 days airmail for 1 IRC (Starr)

PAPUA: Radio Milne Bay, 3360, letter verie in 2 weeks for English report and 3 IRCs;  
V/S: G. V. Lever who says they are out of cards. (Perry) 9 days air (Padula)

PERU: Radio Atlantida, 9623, letter and pennant in 2 weeks airmail (Sparks)

Radio Tropical, 4935, plain white card with personal message from Juan Pablo  
Mori, Gerente, also beautiful 7-color pennant in 7 weeks for a Spanish report with  
mint stamps. (Behr)

PHILIPPINES: VOA, Tinang, 15345, antenna card in 10 days (Carlsen)

VOA, Poro, card via Washington in 2 weeks (Draut)

Voice of the Philippines sent red card, program sked and letter signed

PHILIPPINES: by Ernesto G. Madrid in five weeks for 1 IRC and report on 9580 kHz.  
(Kamp)

Radio Veritas, 11842, white card for report of Vietnamese programme but giving wrong frequency of 11830 kHz. 6 weeks for 1 IRC (Behr)

FEBEC, 11920, green card with pic of boy riding a water buffalo, info letter and religious tract in 2 months for 3 IRCs from V/S: Joan Rose, QSL Secretary.  
(Conner) 11920, card in 128 days for 3 IRCs (Hunt)

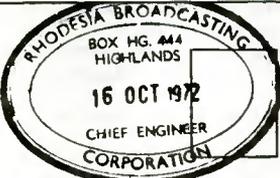
POLAND: Polish Radio, 15120, 2nd card in map series in 3 weeks air (Hafer) 2 months for 2 IRCs (Draut)

PORTUGAL: Radio Portugal, 11935, world discovery map in 16 days airmail. No IRCs.  
(Fine) 7 weeks (Barto) 3 weeks (Reeves) 1 month for 2 IRCs (Stone)

Radio Free Europe, card and full sked from New York for .08 stamp (Reeves)

QATAR: QBS, 9570, full data English letter from V/S: Mahmoud Shahid, who said my 1st report was not received; in 46 days since f/up. My Dollar bill and IRCs were returned (Howard)

RHODESIA: Rhodesia Broadcasting Corp, 3396 kHz, card with full veri statement in 9 days for 3 IRCs. (Bruce) blue and brown card in 15 days (Abraham)

<p>We thank you for your Reception Report dated <u>8th Oct 1972</u> on the <u>3396 kHz General</u> Service, and we have pleasure in confirming that your Report is in accordance with the programme broadcast.</p> <p>Signed <u>J.P. Murphy</u> for <b>RHODESIA BROADCASTING CORPORATION</b></p> <p>Signed <u>16.10.72</u></p>	 <p>Mr. R.F. Bruce 32 Union Street, <u>BRECHIN</u>, Angus Scotland.</p>
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RUSSIAN SFSR: Radio Moscow, Vladivostok, 15130, card with report forms air in 23 days (Schultz)

Radio Peace and Progress, 15210, small blue card in 3 months by air.

(Dushane)

ROMANIA: Radio Bucharest, 9570, colorful card with all details in 2 months (Hafer)

SARAWAK: Radio Malaysia Sarawak, 4950, photo card of broadcasting house in two months by air for 2 IRCs. (Williams) 11 weeks (L. Marshall) 4950, card in 2½ months (Reynolds) 3 weeks (Conner) 2 months (Lym)

SINGAPORE: Radio Singapore, 11940, color card with city view and full veri data, including date, time and frequency. 2 weeks for 1 IRC (Behr) 42 days (Campbell)

SRI LANKA: Radio Ceylon, Colombo, 11800, p/p/card in 1 month (Fisher) 1 month (Abraham)

TAHITI: Radio Tahiti, 15170, b/v mermaid card in 7 months for 1 IRC (Conner) 1 month with full data for 15170. 1 IRC and NASWA French report form used. (Stone) 6 months for French report and mint stamps. (L. Marshall) 11825, mermaid card in 274 days air. 3 IRCs (Schultz) 8½ months (Lym) 86 days (Wiseberg) 8 months air (Blossom) 8 months air (Foster) 8 months (Fisher) 7½ months (N. Kolb; Field)

TURKEY: Voice of Turkey, Ankara, 15195, native dancer card in 123 days (Paschke)

U.S.A. WNYW, 11730, card in 9 weeks (Barto) 11 days (Self)

WINB, 15185, full date card in 23 days (Self) (Hafer) 21 days with sked (M. Marshall)

UPPER VOLTA: Ouagadougou, 4815, brown-yellow Africa map card in 8½ months after original French report, 6 months after registered f/up; total of 5 IRCs. Seems to be a rare one these days. (Behr) 8 weeks air for French report with 1 IRC (Matsuura) 6 weeks air for 4815 (Foster) 30 days after 12 reports (Sizer) 22 days for registered (Schnur)

URUGUAY: Radio El Espectador, 11835, plain card with all details sent by V/S: Hector Amengual, Presidente. 2 weeks air after follow-up Spanish report with 2 IRCs. (Foster)

UZBEK SSR: Radio Tashkent, verie and sked in 1 month air for 2 IRCs and US used stamps. (Reeves) 11925, chimes tower card in 39 days (Carlsen) 15415, airmail in 4 weeks, plus folder-sked, details about station (Padula)

VENEZUELA: Radio Los Andes, 6010, vague letter and multicoloured p/card from V/S: Guillermo Lobo Lobo, Director Propietario. 3 months air for Spanish report with 2 IRCs. (Foster)

Radio Universo, 4880, card in 2 months, forwarded by a Swedish DXer who received it in error (Field)

VIETNAM (NORTH): Voice of Vietnam, 10000, paper QSL on 2nd try together with sked and propaganda on first try. (Abraham)

Special thanks this month to the following members who made this possible:

Larry Abraham, MI  
 Steve P. d'Adolf, MA  
 Marty Austin, CT  
 Samuel Barto, CT  
 Ernest S. Behr, ONTARIO  
 Tom Blossom, IN  
 Robert Bruce, SCOTLAND  
 G. A. Calkin, ONTARIO  
 John Campbell, ENGLAND  
 B. L. Carlsen, OH  
 Charles Conner, LA  
 Gerry L. Dexter, WI  
 Donald Dickey, MN  
 Eric Draut, IL  
 Richard L. Dushane, MI  
 Marlin Field, MI  
 Henry E. Fine, NY  
 John Fisher, ONTARIO  
 David Fester, AUSTRALIA  
 Gary Hafer, PA

F. Earle Hall, MA  
 Ron Howard, MD  
 Ken Hunt, CA  
 Martin Imbert, VA  
 Don Johnson, CA  
 Steve Kamp, CA  
 Mary Jo Kelleher, NY  
 Neal Kolb, FL  
 Edward Kusalik, ONTARIO  
 Christopher Lobdell, MA  
 Larry Marshall, CA  
 Mrs. M. Marshall, ND  
 Anthony Marks, OR  
 A. E. Martin, ENGLAND  
 Hiroatsu Matsuura, JAPAN  
 Alan Mayer, IL  
 Dave Megyesy  
 Hank Michalenska, RI  
 Larry Nebron, CA  
 Geoff Oates, B. C.

Bob Padula, AUSTRALIA  
 R. G. "Bill" Paschke, WI  
 Ralph Perry, IL  
 Scott Reeves, MD  
 Al Reynolds, TN  
 Chuck Rippel, VA  
 Dennis Rochman, NY  
 Kenneth Schnur, NY  
 Bill Schultz, PA  
 Charles Self III, MN  
 Woody Seymour, NC  
 Alvin Sizer, CT  
 Bill Sparks, CA  
 Norman Starr, OH  
 Dillard Stone, TX  
 Steve Wallace, PA  
 Corky Webb, TX  
 Michael Wiseberg, ONTARIO  
 Larry Yamron, PA

And so, until next year, Best 73s and a very MERRY CHRISTMAS and HAPPY NEW YEAR to you all...

NASWA LOG REPORT  
P.O. Box 8452  
S. Charleston, WV 25303  
USA  
Deadline: 12th of month

# LOG REPORT

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NOTE NEW ADDRESS FOR THE LOG REPORT!!!!  
NOTE NEW ADDRESS FOR THE LOG REPORT!!!!  
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IN ORDER to reduce the workload on each of the Log Report Editors, some changes are taking place in the LR organization. The Log Report will continue to be a by frequency listing of the stations heard by NASWA members during the preceding month. However, it will be edited by 3 or 4 editors each month. All reports should be sent to the above(HQ) address, and should be clearly marked "LOG REPORT", or "LR", preferably in the lower left corner of the envelope. It is perfectly OK to include other HDQ mail in the same envelope, BUT NOT ON THE SAME PAPER. As the reports arrive each month they will be cut apart and forwarded to the individual editors. So, use only one side of a sheet of paper, leave plenty of space between items, list items by frequency, in either order, and please list your LAST NAME at the end of each item. (With the expanded size of FRENDX, we will be dropping initial credits and going back to credits by last name.) FLASH ITEMS can be sent to the HDQ address at any time, as the deadline on the last typed page here varies as late as the 26th or 28th.....Now to the "lower third", by Kris Lemna.....

- 1980 MEXICO XEER,Ciudad Guauhtemoc Chih at 0305 w/gud signal on 21/10.  
Also at 0108 w/SS mx.2x 990 kHz. (GH)
- 2010 MEXICO XETOR, Torreon Coah, noted at 0057 w/ID,RCN ID,promo,s/off  
till promised 8 AM return.3x 670 kHz.(GH)
- 2060 MEXICO XE-J, R.630, apparent spur-not harmonic.Very distorted at  
0057 s/off w/SS.7 AM return.(GH)
- 2090 GUATEMALA TGSL, R. Sol, Santa Lucia Cotzumalguapa,still off freq,  
and still putting out 2nd harmonic as last season.0105 ID.(GH)
- 2120 UNID Stn w/EE pop mx, long pauses, no amnts hrd around 0306 21/10.  
Also 29/10 at 0105 and 30/10 at 0029.(GH)
- 2160 MEXICO XECN, Irapuato Gto, hrd as harmonic for first time.29/10 at  
0101 .ID, US rock;0107 s/off till return at 6:57 AM.(GH)
- 2200 NIGARAGUA YNQ, La Lider,Managua still hrd on 2x1100.0307 w/LA pop,  
0454 ID. Also 0102 w/SS talk.(GH)
- 2240 UNID ID like "R.Alumbre",2/11 0059,ads, "venta de aniversario";  
probably 2x1120-where? Also 31/10 at 0033 w/LA mx.(GH)
- 2280 MEXICO XEMR,La Nueva M-R,Monterrey NL at regular checks 31/10 1302,  
1/11 0030but soon gone w/power antenna change.2x1140kHz.(GH)
- 2310 EL SALVADOR YSCF, ONDAS ORIENTALES, San Miguel, 1131 NA, s/on,ID,  
2x1155 where previously heard.1st time on harmonic.(GH)
- 2390 GUATEMALA TGDF,LV de Atitlan,co-logged w/visiting Gregg Calkin at  
0028 marimba mx;0033 TC,ID, pgm "Guatemala y su Marimba";0049 full  
ID w/call,freq.Prayers for one Pedro Mendoza.(GH and GAC)
- 2400t CUBA Singing at 0035 On 1/11-perhaps 4x600kHz.(GH)
- 2480 UNID at 2341 on 4/11 w/weak programmed audio.2x1240.(GH)
- 2500 UNID under WWV for 15 minutes 5/11 0000-some report as Dom.Rep.(GH)
- 2520 MEXICO XEZH,Salamanca at 0039 On 31/10.1st time heard,Mex ads,ID,  
jingle"Z-H,1260 kilohertz,Salamanca".List as 500w daytimer,prob.  
off around 0100.Also 0052 on 1/11 w/ads for coke,Salinas y Rocha(GH)
- 2600 MEXICO Uncertain which 1300kHz station hrd here;31/10 0040 SS,0100ad,  
CST TC,may have mentioned Tampico(list XELE,1kw.),but had 4,5 SAH so  
maybe different station hrd 1/11 0054 w/Mex ad,TC, pgm "Serenata  
Trece",ads 3-digit phone,0103 ad ment. Leon,but maybe address instead  
of city reference.(GH)(Can't anyone else DX 120MB? Hi-Ed.)
- 2740 PERU on 31/10 at 0157 w/SS mx,0201 ID in passing as R. Tumbes deTumbes  
but may have actually been some other C.N. stn on same freq.(GH)
- 2760 UNID probably maritime stn playing around w/album cuts of Japanese  
pop mx,at 0706;0708 one side of 2-way SS conversation,more mx(GH)
- 2800 USA KNOR Norman OK, 1257 w/ad for adjacent Moore.2x1400.(GH)
- 2880 COLOMBIA HJEK R.Rejolo de Tulua reliable tho weak harmonic from 1440kHz  
0038 w/clear soft mx;as late as 0144.(GH)
- 2900 UNID w/weak programmed audio at 1258 On 31/10.1 2x 1450kHz.(GH)
- 2909t NICARAGUA YNRJ, Ecos de las Brumas,Jinotega,likely as hrd here last  
fall.Weak sig noted at 0102 w/SS tlk.2x 1454kHz.(GH)
- 2920 MEXICO XEYC, R. Ysela, Ciudad Juarez Chih at1257 w/ID.2x 1460(GH)
- 2940 USA KLCL,Lake Charles LA,local political amnt at 1308.2x1470(GH)
- 2940 MEXICO XESM,Mexico DF,Monday 0445 "La Hora Nacional",0503 ID at con-  
clusion,mentioning"...una estacion de Radio Distrito Feral"(GH)
- 2960 MEXICO XETKR,Monterrey NL,2340-0053(GH)
- 2977 UNID SS broadcaster at 1311 On 31/10.(GH)
- 2980 MEXICO XECJC,R. Impacto,Ciudad Juarez Chih at 0039.ID jingles as  
"C-J-C", El Paso ad.Again at 1301 w/ads.2x1490.(GH)

- 3000 MEXICO XepN, Piedras Negras, Veracruz, TESTING w/mx, various anmts, IDs between mx cuts; 0102 s/off. Gave freq as 1500--new station, not quite tuned up properly; fair strength, distorted modulation (GH)
- 3016 N. KOREA R. Pyongyang w/Jap talks at 1258 t/in (HRB)
- 3024 INDONESIA Unidentified stn w/extended sked 1620 past 1800 (HRB)
- 3067 INDONESIA Indo stn believed to be RRI here with 1800 s/on (HRB)
- 3120 UNID LA mx at 1254 On 5/11.2x1560? (GH)
- 3133 INDONESIA Weak Indo mx here from 1640 t/in past 1808 (HRB)
- 3142.5 INDONESIA Indo here from 1640 till 1730 (HRB)
- 3149 INDONESIA t/in 1715, QTH unid, EE ballads&Indo tals till 1700 (HRB)
- 3155 INDONESIA t/in 1644 QTH unid, EE ballads here briefly (HRB)
- 3165 INDONESIA t/in 1855, Surabaya? steel guitar mx, 1900 non-RRI IDs seem to mention Surabaya; West Indonesian times given (HRB)
- 3180 UNID LA mx noted at 0156 On 29/10. Perhaps XEVOZ, Mexico (GH)
- 3150 MEXICO Stn noted 14/10 at 1300 w/XE-- ID, perhaps slogan as R. Centro 1312 sung ID, again 1317. Believe it's WLETOR, Torreon Coah (GH)  
(ex ordine. sorry gents--Ed.)
- 3200 CHINA PLA Fukienw/yl in Chinese at 1530 // 3900, 4380, 5170, 5240 (RFB--)
- 3205a ESPIONAGE 0915 past 1000 w/non-stop guitar mx. s9 level. (JER)
- 3215 INDONESIA t/in 1849-1935 s/off w/Islamic chants; formerly thought this was RRI, but obviously wrong about thinking of it as being in Djajapura as it does not relay Djajapura nx at 0900. (HRB)
- 3223 INDONESIA t/in 1920-1935 t/out. RRI Mataram likely; Indo mx and talks w/extended sked as normal s/off believed 1520. Mentioned Bali. (HRB)
- 3225 VENEZUELA R. Occidente w/LA mx, ads, all SS. Fair t, poor. (AAM)
- 3230 FIJI Very weak 0845 past 0915 with EE pops, EE, lang anmts. (JER)
- 3236 INDONESIA t/in 1100. QTH unknown; EE ballads/gospel mx; Indo talk (HRB)
- 3240 PERU R. America, often 0300-0500\*w/LA program. Vy poor. (RWP) (RZ) (JDT)
- 3240 SURINAM R. Nickerie does not exist instead is R. Rani on 923kHz (JC-Eu)
- 3245 VENEZUELA R. Libertador in Arabic 0030-0045. Pair (JC-Eu) 0145 (RWP)
- 3250 INDONESIA R. Bandjarmasin, Borneo presumed. 1853-1958\* (HRB)
- 3255 DOM REP
- 3255 VENEZUELA Voz de Tigre 0200w/SS mx etc (DEM, RWP)
- 3260 ECUADOR HCOS4 LA mx, infrequent IDs SS. Poor (AAM)
- 3273.5 INDONESIA t/in 1935-2015 f/out. QTH unknown; new station here w/Indo mx, Indo talks, possible non-RRI ID at 2000. (HRB)
- 3290 GUYANA Action Radio, Georgetown fair 0130-0200 orch'ls, ads, EE, nx at 0147. (RWP, AAM) Ads, TC, ID, mx at 0910 (MW)
- 3294 INDONESIA t/in 1858, presum Samarinda. Indo talks--didn't ID (HRB)
- 3295 INDIA AIR Delhi at 1652 w/Indian songs and mx (RFB-Eu)
- 3300 BELIZE R. Belize lottery being held live 0315 (RWP) ID 2307 (GH) 3305
- 3305 INDONESIA Djakarta list. 1900 (HRB)
- 3315 ECUADOR R. Pastaza 0320-0340 w/Andean mx program (SK)
- 3325 VENEZUELA R. Mongas mx, ads, SS 0210. (DEM)
- 3325 VENEZUELA LV de Tigre strong at 2220 w/ID, mx (FH)
- 3325 GUATEMALA R. Maya de Barillas sports 0050 past 0115. Fair level w/CHU splash (RWP) "Este TGBA Radio Maya", instrumental mx 1135 (RBO)
- 3335 NEW GUINEA R. Wewak fair w/native mx, C&W, EE, Pidgin 0915-0945 (JER)
- 3346 INDONESIA YOWI Pontianak 1453-1502 t/out. Indo mx&talks. ID, IS (DW)
- 3346 So. AFRICA SABC Cm Svc noted paralling 3250, 0215-0220, mx, ads, Afrikaans and EE. New unlisted frequency. Good power (ARN)
- 3355 INDIA 1505 Hindi type mx. Vy poor signal (DW) Request program for navel officers 1608 (RFB-Eu)
- 3360 GUATEMALA L.V. Nahuala good 0100 orch'1. IDs on hour (RWP) LA mx and ads in SS at 1130 (AAM) Poor at 1115 (RZ)
- 3360 PAPUA R. Milne Bay 0855 past 0920 with Pidgin, native mx and talk. Poor. (JER) Several "Seekers" numbers, heavy QRM. (ECS)
- 3365 DOM REP R. EXITOS excellent 0030 w/ads, IDs (FH)
- 3365 INDIA AIR Delhi 1656 lang talk (RFB-Eu)
- 3380 GUATEMALA R. Chortis LA mx, ID, ads in SS at 1134 (AAM) Big signal at 0315 w/LA pops, SS anmts by OM (RWP)
- 3385 VENEZUELA R. Barcelona 0025 (DEM)
- 3385 Fr. GUINA CRTF 0913-0935 f/o in French (SR)
- 3385 SRI LANKA R. Ceylon Indian type mx and songs. Poor. (RFB-Eu)
- 3385 NEW BRITAIN R. Rabaul in Pidgin 0900 past 1000. Improving w/Polynes. mx, chorals, C&W, IDs by OM (JER) Mitch Miller mx 1240 (RWP)
- 3390 ECUADOR R. Zaracay IDs every 15 minutes 1020-1100 (RBO, SR) 0308 (AAM)
- 3395 INDONESIA RRI Singaradja listed. t/in 1905 (HRB)
- 3396 RHODESIA REC News at 1745 (RFB-Eu)
- 3452 INDONESIA t/in 1416 QTH unknown; seeming two Indos on 3452 and 3452 1/2; 3452 1/2 gone by 1606 while 3452 continued w/Islamic mx unendingly (HRB)
- 3470 UNID pgm "Jazz Hour" in Indo or Tagalog-like lang; probably another Indonesian here past 1800, but jazz mx unusual; didn't catch any typical Indonesian phrases, but what else is new? (HRB)
- 3500 INDONESIA t/in 1408 QTH unknown. Indo mx. s/off about 1500 (HRB)
- 3536 INDONESIA t/in 1520 QTH unknown. Ballads& Indo talks past 1620 (HRB)

- 3560 NORTH KOREA R. Pyongyang in EE w/YL from 1354 till 1400 t/out(DW)
- 3570 INDONESIA t/in 1405 QTH unknown;mx,Indo sound.(HRB)
- 3598 INDONESIA t/in 1355 QTH? pops,strong Indo talks,echo sound effects, ads,1401 rx w/many mentions of Djakarta,but no RRI ID.s/off 1500(HRB)
- 3600 HOLLAND Nakonal Amateur Station mostly Mores classes but a public broadcast at 2115 in EE.Good.(JC-Bu)
- 3659 INDONESIA(what else-hi) t/in 1345 QTH? Indo mx.Poor(HRB)
- 3660 CHINA R.Peking t/in 1530 Eng pgm;severe het w/Indo on 3659.(HRB)
- 3664 INDONESIA QTH? traces of Indo mx;apparent s/off 1400(HRB)
- 3668 TIMOR PORTUGUESE "Aqui Dili" noted initially 10/23.All in Port., male announcer,pops.Fades in just as daylight comes across the land, is heard 1145-1200 checks.Is a new frequency,possibly higher power.Is my 188 country...now if I can just get them to QSL, tried my best Portuguese on them(ARN)Dili still heard 1/11,1307 amts, US and PP records;1316 ID in PP giving m.b.;1347 still in but worse(GH)Hrd 29/10 via Bundy's tip at 1247 w"Rose Garden"vocal in PP,1248 amnt,gong;1302-1320 mx w/brief few-word talk overs;1347 recheck about to fade out(GH)t/i 1143,fair w/orch'l softies and amts in PP and lang,full ID in PP by OM 1200, nx pgm,etc(RWP)R,Dili 1442-1500 s/off w/ballads,gong ID(DW)Hrd in Australia 1030.(BP)
- Weak to fair 1205 f/in w/mx then mostly talk in PP or simlr lang. Still going at 1223 when I had to leave(GLD)According to Oct DSWCI, both 3268 and 3668 are now in use.However,no trace of 3268 located here for several months.Chinese has been noted at 1130,tho not sure if daily or not(HRB)
- 3698 INDONESIA RRI Banda Atjeh presumed;traces of Indo mx here.1345(HRB)
- 3710 INDONESIA 1420,1340,1740,1830 QTH?Indo ballads,Elvis oldies,Moslem chants.apparently off between 1500&1700(HRB)
- 3740a INDONESIA presumed t/in 1835 QTH?(HRB)
- 3762 INDONESIA t/in 1335 QTH? another one which has been steady on this fq for many months w/Indo talks&mx(HRB)
- 3800 INDONESIA(of course) 1030-2000 QTH?relays Djakarta at 1200&1300 w/nx.currently operating all nite(HRB)
- 3808 INDONESIA 1337-1836 QTH? Indo talks and Moslem Mx here(HRB)
- 3883 CAPE VERDE Is. R.Clube de Cabo Verde,Fraia,Santiago Island,fair level w/PP anns and pops from 2250 tune till 2302\* w/AP(RWP) RCGV,PP but heavy SSB ham QRM 2259-2333(GH)
- 3893 INDONESIA 1350,QTH?,the usual Indo talks past 1540;f/in around 1000; this one has been on this fq several years but not listed(HRB)
- 3925 PAPUA ABC,Port M, resby w/ABC nx 0900-0910, ID and then native mx and Pidgin.Good but ARO QRM.(JER)
- 3935.5 INDONESIA t/in 1255-1301 t/out RRI Semarang,Java:1258 ID "Inilah Radio Republic Indonesia Semarang..."&W.Indes time check,1259 RRI IS 1300 "warta Berita from Djakarta".(HRB)
- 3945 INDONESIA t/in 1405-1415 t/out RRI Denpasar,Bali:regional nx t<sub>o</sub> 1410 ID "Inilah RRI...Denpasser" and mention of Bali.(HRB)
- 3945 NEW HEBRIDES R.Villa tentative from 0837 f/in w/OM in FF,sketchy copy till 0900\*.Imposs QRM de ute RTTY(tho carrier f,r,transly open during most of monitoring time,and not moddddddulated0,and local Sunday rite cut down number of ARO's.(RWP)
- 3960 INDONESIA t/in 1230-1255 t/out RRI Padang,Sumatra:some nx pgm in Indo w/many mentions of Australia to 1250,1252 ID "Inilah Radio Indonesia Studio Padang"(HRB)
- 3971 CAMEROONS t/in 2015-2021 t/out R.Buea:Afro mx,Eng amts,EE ID(HRB)
- 3975 INDONESIA RRI Surabaya,Java:INDO ID at 1158(HRB)
- 3980 So.AFRICA RSA 0315-0345,EE&mx(JGH)
- 3984.7t Ecuador Escuelas Radiofonicas Populares,SS talks 0315,orch mx past 0328,no ID and much QRM de ARO's.(RWP)
- 3985 INDONESIA t/in 1155-1205 t/out RRI Biak,West Iran:INDO mx,1200 ID as "Inilah RRI Biak",then more Indo mx.// 7210.(HRB)
- 3995 SOLOMON Is. SIBS Honiara,in early and fairly good by 0800.Orch mx and EE amts.SIBS in generally 0730,R.Vila 0840.(RWP)
- 3995 INDONESIA t/in 1220-1245 t/out RRI,West Indonesian QTH;Indo mx, 1230 RRI ID,TC for West Indonesia,talk by OM(HRB)
- 3995 USSR opera mx //4040.R.Moscow home service? (RBO)
- 3997 So.AFRICA SABC 0315-0345 EE& mx (JGH)
- 4040 USSR opera mx //3995 at 1310.Home Service of R.Moscow?(RBO)
- 4087 INDONESIA QTH Unknown.Reay of RRI nx at 1200(HRB)
- 4110 INDONESIA t/in 1159-1203 t/out W.Indo QTH.1159 ID by YL(HRB)
- 4725t BURMA listed as xz2 from 1352-1402 t/out.Long talk by YL,Burmesee mx,in lang,Severe UTE QRM(DW)
- 4301.8v INDONESIA t/in 1207 QTH unknown;RRI relay.Freq varies(HRB)
- 4340 INDONESIA 1205 QTH? trace of Djakarta nx relay through strong UTE.FBIS lists as R.Pemerinath Kabupaten Banguwangi--Govt. stn of the Banguwangi Regency according to Victor Goonetilleke(HRB)
- 4410 INDONESIA 1152-1201 t/out w/W.Indo QTH.Asian melodies,1200 rRRI nx (not preceded by RRI IS or ID)(HRB)

- 4625 UNID 2050-2120 w/chants, guitar mx, 2100 nx in SS-uses 4-note chime, 2200 RNE nx in SS. Believe as Spanish Sahara (ARM-EU)
- 4675 CLANDESTINE t/in 1125 "Voice of the National United Front of Kampuchea" distinctive Khmerian talks mentioning "Kampuchea" about 5 times per minute and //7014, 9989, 10079, 12005; Believe this is a new freq from 5000 as not heard there for some time. Presume scheduled still as \*1100-1206\*, \*1300-1400\* (HRB)
- 4679 ECUADOR R.Nac. Espejo, 0425 w/SSmx, ID at 0430. Most nites (RBO)
- 4698.5 INDONESIA 1030-1115 t/out QTH unknown (but in W. Indo or perhaps the Bronx/Staten Island section district of NYC). Pretty Indo mx, YL, IDs at 1100 wiped out by sudden het, then nx w/many mentions of Bandung. Not //RRI Bandung-5054.1115 OM w/ID, TC (HRB)
- 4710 RSFSR, ASIATIC 2005 R.Moscow. Chinese pgm here // 6175, 6165 et al (HRB)
- 4749 UNID 0105-0133\* LA mx, ads. Missed IDs at 0128 and 0132 (JDT)
- 4755 COLOMBIA Em. Nueva Mundo, IDs for CARACOL 0120 (RWP) Usual LA mx, many IDs 0702 (RBO) Fair at 0330 (AAM)
- 4756.6 UNID Low-level, 2 or more OMs sounded SS, 2225-0100\* (ECS)
- 4762 MOZAMBIQUE RCM w/nx in FF at 1900 (ARM-Eu)
- 4765 ECUADOR CRE Guayaquil excellent at 0435 w/US election results (FH)
- 4765 CONGO RTV Congolaise, Brazzaville, noted fair to good w/FF annts and Afro pops on late, 2224, on a Sat. (RWP) 2147-2205 s/off in FF w/Afro mx (JDT) ditto 2045-2215 (JGH)
- 4774.6 DOM. REP. Onda Musical 2300 in SS (RCR)
- 4770 LIBERIA ELWA s/on 0600-0745, Relig. pgm in EE. Also 2115-2215 Relig. pgm and EE at 2145 (JGH) Hymnals at 0630 (ARM-Eu) VOA tape 2200 (JDT)
- 4770 VENEZUELA R. Bolivar good w/IDs, Annts, nx, ads 0100-0250 (WGT, DEM)
- 4777 GABON Libreville fair 0500-0530 w/Afro mx, FF annts and definite ID at 0515, then FF nx (JER) native mx and FF 0545 (LKM) FF till 2245 (RCR)
- 4774 ROM. REP Onda Musical LA mx, SS at 0030 (WGT) Sure about stable freq?
- 4775 AFGHANISTAN Kabul 1442-1430 t/out in ee. ID by OM, commentary, chants, EE ID at 1429 (DW) (nx 1615 and 1700. Noisy (ARM-EU)
- 4780 AFARS & ISSAS ORTF Djibouti, hrd twice during Ramadan 2220-2230. 10/24, v/ poor and better copy in Exalted carrier LSB, severe QRM de YV and ute on channel, Strong but impos QRM. And again previously on 16/10, noted w/AA chant and Somali/AA lang ID/annts (RWP)
- 4780 HONDURAS R. Juticalpa 0301-0310, LA mx, t/k, ID (NAP) 1149 w/LA mx (AAM)
- 4780 VENEZUELA L. Voz de Carabobo, 0000, nx commentary, 2 announcers, much mention of Valencia (ARM-Eu) 0340 SS mx, ID at 0347 (RBO)
- 4780 USSR Petrozavodsk listed, 0435-0501 f/out w/lite mx, talks (JDT)
- 4780 UNID 1810 in vernaculars, m/f singers-Afro style (ARM-EU)
- 4781 ECUADOR R. Atahualpa, 0130-0900+, severe het QRM, ads for Banco Nacional, some ads for Guayaquil area firms also (RWP)
- 4785 PERU R. Atlantida 0430-055\* Andean mx clear IDs, TCs, off after very sho short anthem (SR) fair w/QRM at 0232, SS ads, ID and TC, pops (RWP)
- 4786 So. AFRICA OM w/sounded EE. Low-level. One Meriam Makeba tune. Fair (ECS)
- 4787 MALI, Bamako noted here ex 4783 at both 0600 s/on and at 2215 t/in w/FF and w. Afr. vern's, Afro pops (RWP) Lots of mx at 2240 (ECS)
- 4790 VENEZUELA Ondas Portenas at 0015. IDs, t/k by OM & YL, LA mx (EH)
- 4795 BRAZIL R. Tabajara, nx at 2230, "fim de noticias de informacao" hrd at 2240, annts, fanfare, fast commentary, all PP (FH)
- 4800 VENEZUELA R. Lara 0305-0325+, US pops, LA mx, ID 0311, good on 4802 to get away from 4800 het (NAP) 0130-0400\* w/usual LA pgm (SDA, EH, MN, WGT)
- 4800 CHINA, Shanghai, at 1520 t/in. Long chanting vocals. Short annts in Chi. 1600 6 pips 2 seconds apart. ID by YL: sounds like "Shanghai ko-kon-tchia (La Dalen Yin?) Kwangong Tiental". F/o 1 1/2 hours after local sunrise (RBU) Chi singing t/in 2017-2032. Not H51 (HRB) 0105 (AAM)
- 4805 BRAZIL R. Dif. do Amazonas at 0546 w/PP tlks, ID (MN)
- 4805 VENEZUELA R. Lara Ss w/ pretty LA ballads & ID. Not on 4800 at 0330 (CP)
- 4807 SAO TOME 0530-0630 Afr. mx & Portuguese talks. Weak (JGH)
- 4807 BRAZIL R. Amazonas, choral singing, TC and ID 0100 (FH)
- 4807 ECUADOR R. Popular Indep., pleasant pgming, LA and Andean duets, fanfare, IDs, etc 0400-0530 (RWP, FH, RBO)
- 4810 VENEZUELA R. Popular, Maracaibo, SS w/"Yours" by orches., full ID and off w/ no anthen 0352 (CP) Usual LA pgming and pops 0065-0245 (SR, ARM-Eu, NAP, AAM)
- 4810 UNID at 2315 with m/f speakers, sing-song erch. S/off at 2350 (ARM-Eu)
- 4815 ECUADOR Canal Manabita, public svc annt 0340, LA, Andes fare (RWP)
- 4815 UPPER VOLTA "Ici Ouagadougou" in FF, native mx, OM & YL, 2240-2257 (ARN)
- 4820 ANGOLA Em Official, Luanda, woman Id 2300 and lite mx, fair only (FH)
- 4820 GAMBIA R. Gambia \*0625 w/interval sig till 0630, then Afro mx, BEC nx at 0700, AA chants. Fair strength (JGH, ECS, MN, LKM)
- 4820 HONDURAS HRVC, EE w/relig prgm-talk and hymns; severe het from LV de Fuerzas Armadas, 0324-0431\* (CP, NAP) \*0957 w/anthen, SS relig (SR)
- 4825 DOM REP LV de las Fuerzas Armadas, SS w/pretty NA & LA mx, ID "Beade Sto. Domingo, la capital de la Republica Dominicana, La Voz de las Fuerzas Armadas", often continuous mx, NO annts. Conditions often poor even when rest of band good 2300-0437\* (CP, SDA, DLSAAM, NAP, ARM-Eu)

- 4825 USSR R.Moscow IS 2159 inlang w/2200 s/on.Femal announcer.Weak.(PH)  
 4828 1/2 UNID LA here w/orch non-stop,no spoken words noted 0335-0350.(RWF)  
 4832 COSTA RICA R.Capitol,SS w/baseball game between Costa Rica and Nicaragua, ID as "R.Capital de Costa Rica", commentary, some C&W mx played as well as LA mx. Always good though sometimes suffers from RTTY, 2350-0310. (WGT, JGH, CP, AEM-Eu, DEM, EH) Also 0530-0730+(SR)  
 4839 INDONESIA RRI Ambon, Moluccas, Indonesian and EE (songs only) w/NA rock and roll mx, IDs, RRI interval 0939-1400\*(CP, DW, HRB)  
 4840 UNID choral group in revolutionary songs, TC, lang, 1155. (AAM)  
 4845 1/2 MALAYA R. Malaysia in E. Indian lang w/woman chanting long (8 minute) wailing selection; man talking, extreme noise. 1143-1203 (CP)  
 4845 COLOMBIA R. Bucaramanga in PP at 0045 with a sports event (FH)  
 4845 BOTSWANA Gaberones, weak Afr. drums and OM in lang here 0430 (RWP)  
 4850 MAURETANIA RTVM, Nouckchott, usually audible under RTTY from \*0700, many chants, IDs nx at 0725, s/off at 0759 (JDT, LKM, MN) Also 2045-2200 in AA w/AA mx (JGH, JDT, RCR) (Left out SR-sorry, Ed)  
 4854 BOLIVIA R. Centenario 2315 full SS ID, tropical mx (BB)  
 4855 INDONESIA RRI Palembang, Indo tlks, scounded like drama of sorts (not // RRI Ambon) at 1610 t/in (HRB) Noted fair from 1200-1214 (RWB)  
 4860 VENEZUELA R. Maracaibo, IDs, ads Lamx 0130-0300 (EH, DEM, NAP)  
 4860 INDIA AIR w/GOS, nx in EE at 1900 (AEM-Eu)  
 4865 BRAZIL R. Clube Para w/PP, LA mx, IDs, TCs, ads 0804-0845 (SR, JER)  
 4865 AZORES, Emisora Nacional 2155 w/EE mx, PP, nx at 2200 (SR)  
 4870 DAHOMEY, Cotonou noted w/Afr. rhythms, pops, FF 2115-2230\*(ECS, KGH, RWP)  
 4872 W. IRIAN, INDONESIA RRI, Sorong w/Indo & Eng (songs only) at 1150, interval at 1158, Severe het (CP) (What happened to Bundy on this one!! Hi-Ed)  
 4875 BRAZIL R. JURNAL do Brasil fair in PP w/LA mx, tlks, 0830, 2230 (SR, NAP, FH)  
 4875 BOLIVIA La Cruz Del Sur hrd w/relig pgm, mx in SS 0249-0304, 1022 (AAM, )  
 4875 So. AFRICA SABC 2100 Relig foreign program (JGH)  
 4880 ZAIRE, Kinshasa good in native mx 0225-0230, //7115 in Frech (ARN)  
 4884, 9 BRAZIL R. Pioneira Teresina w/Brazilian mx, TCs, ID, all PP at 0220 (EL)  
 4885 COLOMBIA Ondas Del Meta, IDs as "R. Central Todolar, Ondas Del Meta", usual LA fanfare, many TCs 0230-0500+(NAP, AAM, SR, EL)  
 4885 UNID thought P. Teresina but Ided as "R, el Centro-.0.0420-0424\*(NAP)  
 4890 PAPUA, Port Moresby at 1330-1400 in EE w/pop tunes, meditations (MWB)  
 4890 SENEGAL Dakar a regular, Afr. chorals at 2300, strong (RWP)  
 4890 VENEZUELA R. Diff. Venez., US pops, LA mx, few IDs. 0310-0404\*(NAP, SR)  
 4891 1/2 MOZAMBIQUE very weak outlet after TV signs off on good African nites. In PP with OM, 0407-0436 (GLD, JDT)  
 4894 1/2 BRAZIL R. Bare, orch LA mx and PP anmts, fair 0050-0240 (RWP) 0134 (SK)  
 4895 SARAWAK, RM fair to good w/mx at 1205 tune, not audible next day (GLD) dated pops 1300-1315, then into pgm of Muslim-like chants (RWP)  
 4900 ECUADOR LV de Sasquisllí noted down here since Juventud's mysterious disappearance, 0230 Andean Indian type folk songs, LA ballads and OM SS announcer 0230 till s/off between 0303 & 0308 (GLD, RWP)  
 4900 INDONESIA t/in 0950-1000 t/out, RRI Gorontalo w/Islamic mx, YL (HRB)  
 4905 COLOMBIA R. Em Atlantico, SS w/LA pop mx, "Emisora Atlantico" often mentioned, ads, nx 0203-0502\*(AAM, NAP, SR, CP)  
 4905 BRAZIL R. Religio from 2302 tune, multi-voice talks, IDs (GLD)  
 4907 KHMERE REP R. Nat Khmer, Phnom-penh, apparently running all nite during Ramadan or for some other reason, mostly beautiful oriental mx, Khmer talks once hrd, some familiar EE pop tunes that had been given Khmearian lyrics and played on Khmearian instruments, 0930, 2100 (HRB)  
 4910 Guinea 2045-0000 & 0215-0745, Afr M & F in FF, Fair in morning (JGH)  
 4915 GHANA GBC Nat'1 Svc 2130 in local lang (DLS) Ghana in EE w/nx at 0600 by YL, many IDs. Hrd as early as 0530 (LKM, MN, LMN)  
 4916 COLOMBIA R. Guatapurí in SS w/LA mx, ads, IDs etc 0330-0410\*(NAP)  
 4920 HONDURAS R. Progreso in SS w/rock mx pgm "Canciones de la semana"; frequent IDs 0135-0210 (CP, EH) S+ signal at 0220 (RWP)  
 4920 AUSTRALIA ABC in EE w/stock market rpt 0745-0755+(NAP) EE & mx to 1000 from 0715 tune in (JGH)  
 4920 USSR R. Moscow 2140-2159, nxtalks, IDs in GG (EL)  
 4930 DOM REP 0307-0400w/movie themes, IDs, LA mx (SDA, NAP)  
 4930 ECUADOR R. la Casa de la Cultura mixing w/R, 1110215-0400 (NAP, RWP)  
 4932 NIGERIA Benin City in HS showing early as 2200 in EE, Good level (ARN)  
 4932 JAYA RRI Surakarta 1215 tune, mostly talks, Fair level (GLD)  
 4932 INDONESIA RRI Surakarta, 1255 Indo OM announcer, G&W mx (RWP)  
 4935 PERU R. Tropical good lvel w/REGUR LA pgm 0311-0408\*9 (GLD, JDT)  
 4938 ECUADOR HCX21, IDs and LA mx in SS at 0508 (AAM)  
 4940 ECUADOR R. Nacional nx pgm, commentary on US elections, 3 tones (2 long, 1 very long) anthem at s/off 0135-0502\*. (RBO, FH, EH)  
 4940 IVORY COAST 2155-0000\* Afr. M & FF but EE at 2245-2300 (JGH) 0609 in FF (MN)  
 4940 VENEZUELA R. Yaracuy 0251-0309, SS w/tangos, TCs and IDs, Bad het (CP)  
 4940 USSR R. Moscow noted here 0950, seems recently NF, Asian TXer site (BF)  
 4940 UNID 2140-2300\* in FF, Organ jazz mx, talk by man and woman (suspect Ivory Coast) QRN, Ute QRN. (NAP)

- 4945 So. AFRICA Springbk Radio, pop mx, oldies, ads, nx, plenty of easy listening mx in English 0000-0045, 0200-0400, 1600 (NAP, MM, DW, SK, GLD, LKM)
- 4945 COLOMBIA R. Colosal, SS w/LA mx, alka-selzer comls, TC w/"en Radio Colosal" severe QRM de SABC at 0426-0442 (CP) 0700 w/ads, mx, etc (DEM)
- 4950 SARAWAK RMS, OM lang talks 1245, strong and e-z to read ID, EE this frequency, too, usually 1200 (RWP)
- 4955 COLOMBIA R. Nacional strong w/LA mx, nx, IDs, TCs, etc in SS 0100 (DEM, EH)
- 4955 EL SALVADOR YSS, fair in SS w/mx, ID at 0035 (WGT)
- 4955t INDONESIA talk 1540-1600\* w/Hawaiian music IS, Variable sig (RFB-EuO)
- 4965 COLOMBIA R. Santa Fe SS w/guitar mx & several "sintonia R. Santa Fe" RTTY on upper side. Good sig. 0105-0502 (EH, DEM, WGT, CP)
- 4969, 5t SABAH Kota-Kinabalu w/lang talks, no ID noted 1248 (RWP)
- 4970 VENEZUELA R. Rumbos noted w/LA prgm 2200-0316 (AEM-Eu, MM, WGT, DEM, EH)
- 4972z CAMEROON R. Yaounde fair 2245 w/Afr folk songs, RTTY QRM (RWP) Noted 2145-2230\*, but till 2300 Sat and Sun. Also 0500-0530 (JGH)
- 4980 VENEZUELA Ecos del Torbes, San Cristobal in SS w/Venezuelan mx; TCs, "naturalmente, Ecos del Torbes", OM 1042-1103 (CP) 0005-0125 (MN, DEM)
- 4980 GHANA GBS 2000-2300\* EE nx 2000, 2100, 2200. All EE program. Also 0530-0645 w/nx at 0600 (JGH, MN)
- 4984 UNID 0232 vocal mx, weak under strong ute. Seemed LA (GLD)
- 4985 MALAYSIA R. M. Penang in EE at 1540 w/mx. Nx at 1600 (RFB-Eu)
- 4990 VENEZUELA R. Barquisimeto, SS w/ pgm of "canciones de la patria", TCs and "en Barquisimeto" 1058-1114 (CP) Usual LA fare 0054-0305 with all SS and Ven. tunes, nx at 0300 (DEM, NAP, WGT)
- 4990t INDIA station at 2355 w/chants, m/f speaker, chorals till 0113 (AEM-Eu)
- 4995 BRAZIL R. Brazil Central in PP w/IDs, TCs ETC. 2302-0150 (NAP, RZ) Also 0825-0840 w/"Braaaa-zeeel Cen-traahhhll" IDs (RWP, RBO)
- 5000 N. PAL R. Nepal at 1605. Female singer, lite mx. Hrd till 1620 (AEM-Eu)
- 5005v PERU R. Jaen w/Andean tunes 0340. Drift as low as 5002 kHz (RWP)
- 5010 PERU R. Eco when Dom Rep absent after 0330. Pop pgms. (RWP, SK)
- 5010t VENEZUELA R. Bocono, poor-fair under Cristal, LA ballads (RWP) at 0005
- 5010 DOM REP R. Cristal SS w/nx, coml anmts and "en R. Cristal"; much het w/strong sig. OM. 0015-1100. 24 hour station (GP, SK, EH)
- 5010a USSR Unid RR station fading in at 0115-0220 f/out. Heavy mx, anmts, and tlks by YL & OM, time gongs 0130, but no ID, y at 0200 w/ID perhaps, into what seemed like exercises to mx. QTH? (JER)
- 5015 GRENADA R. Grenada usually poor in EE 2330-2358\* (BB, NAP, RWP, EH)
- 5015t USSR Vladivostok RR w/classical mx. No IDs. Poor 1100-1130 (CP, RZ)
- 5019 ECUADOR R. Centinela del Sur, Andean mx, pops, IDs 0303, NF? (GLD, RWP)
- 5026 UGANDA R. Uganda, good w/pgm notes 0320 f/by native mx (GLD)
- 5030 VENEZUELA R. Continente hrd often in SS 0240-0317 (DEM, CP, MN)
- 5030 SARAWAK R. Malaysia OM w/Indo tlks, mx. Excellent 1255-1440\* (RWP, RBO)
- 5035 SUDAN R. Omdurman mixing w/LA stn 0312 past 033. AA chanting, mx (JER)
- 5038 CENT. AFR. REP. one of the first stations on mb most days, with pgms of classical mx, African jazz, nx in FF 2130. Till 2330\* (RZ, SDA, RCR, AEM)
- 5039 ECUADOR R. Nac. Espejo at 0153 tune. Mostly mx, ID at 0155 (GLD)
- 5040 GEORGIAN SSR s/on 0200 w/bell IS, anthem, ID, NX, poor (ECS)
- 5040 BURMA BBS Burmese mx frn 1405, EE at 1430 w/nx, ID till 1500 (SRD, RBD, LKM)
- 5045 BOLIVIA R. Altiplano, Andean flute mx. LA pops 0230-0430 (SLB, RWP, EH)
- 5045 PORT. GUINEA PP w/pops, choral Heavy QRM. 0130-0200\* w/anthem (ECS)
- 5047 TOGO R. Togo w/Hawaiian type mx, FF 2215-2257\* (RZ, DEM) 0526 IS starts, 0530 FF ID, nx at 0535 (RBO, MN)
- 5047 INDONESIA RRI fair w/Indo tlk 1205 (RWP)
- 5054 INDONESIA RRI Bandung, ID at 1030. Not // 3204.5. Till 1128 (GLD, HRB)
- 5060 S. YEMEN AA talks against rest of world 1930 (JC-Eu)
- 5065 KARELO FINNISH SSR 0310-0400 in RR, piano mx. R. Moscow ID (GLD, JDT)
- 5804 YEMAN R. Sanaa sometimes fair level at 0305 w/slow AA chants (ARN)
- 5900 CHINA Fukien Front Station poor at 1210 tune YL in CC (RWP)
- 5950 PERU OAX6A mx, national mx etc. 0948-1000, 0037-0048 (DW, SLB)
- 5955 COLOMBIA LV de Bogata LA mx in SS 0945-1000 (SLB)
- 5955 COSTA RICA R. Casino 0520-0545 in EE, Coke & Fanta ads, mx (JER)
- 5965 BRAZIL R. Guaiaba all PP // 11785, 2355-0145 (SLB, RWP, RZ)
- 5970 PERU R. El Sol, IDs, LA mx 0500, 1110 (RZ, RWP)
- 5980 EL SALVADOR R. NAC. strong in SS w/marimba mx 0130, 1315 (AEM, JER, NAP)
- 5980 INDONESIA RRI-Menado, easily readable, 1215 Indo tlks OM (RWP)
- 5990 USSR (As) R. PAP IS at 1230, RR noted from 1220 tune. fair (RWP)
- 5995 VATICAN STATE Vatican radio w/nx in FF 0115. fair to good (AAM)
- 5995 MALI Bamako in FF, vocals, w/chants etc 2100-0000\* (SLB, RWP, FH)
- 5998.6 BRAZIL R. Inconfidencia at s/on 0800, PP, LA mx, TCs, etc. (JER)
- 5999 ALGERIA RTVA running here till 0100 sign off, new frequency, probably new high-powered transmitter, Arabic (ARN) Fair at 2355 when noted with AA chants. Suffers from het. (RWP)
- 6000 RSFSR, Asiatic sign on at 0915 R. Moscow; R. Moscow IS, used Japanese IDs. New frequency? I have no previous RM loggers here (HRB)

Note from Hank M. 1. "5020 kHz was a regular R. Nac. Ven. frequency a long time ago out of Caracas. Dropped this channel for 6170 in late '69. Still used on occasion for testing and maintenance purposes"

- 6000t SAUDI ARABIA 0059\*, AA songs & chants (BLG)  
 6000t AUSTRIA ORF-Aldrans 0835 GG, nx, P w/Brazilian QRM (ECS)  
 6005v BOLIVIA R Progreso 0130-0135 SS, ID by M, loc mx, over Reloj (ARN)  
 0215-0230 SS, nx, many ads, IC, ID, clas mx, F (JER)  
 6005 ASCENSION IS BBC 2030 EE, sports review, F (JPR)  
 6005 W GERMANY RIAS-Berlin 0205 GG, nx, F under QRM (EL)  
 6005 CANADA CFCX 0031 EE, pops, PF (ENR) 1200 EE, nx, mx, GE (DEM)  
 6006 COSTA RICA R Reloj 1125-1150 SS, mx, F (BLC)  
 6010 PERU R America 0347-0430+, mostly talk, Canadian inaudible (GLD)  
 6010RF ITALY RAI 2230-0100 II/LA ex-15385 //9575, F (BB)  
 6010 CANADA CJGX-Sydney 2200-2400 EE, nx, mx, ads, FG (GW,BLC,ARM-Eu)  
 6011 PERU R America 0150-0200, loc mx, ID, G (ARN)  
 6015 COLOMBIA R Mira 1044 SS, ID, mx, G (JPR)  
 6015 ECUADOR HCJB 0830-0844 EE, IDs, E (SLB) Rptd now moved to 5990 (Ed)  
 6020 MEXICO XEUW-El Eco de Sotavento 0150-0155 SS, G (ARN) t 1310-1320+ SS,  
 talk of Mexico & Sonora, slow instr mx, QRN (NAP) Best wishes to NAF  
 in his ARO activities! (Ed)  
 6020 NETH ANT RN 0030 SS/SAM, nx, G (WGT)  
 6020 PERU R Victoria 0600-0605 SS, ID, LA rhythms, F (RWP)  
 6020RF NETHERLANDS RN 2300-0020 SS/SA ex-6185 //11845L,15320B, G (BB)  
 6020RF USSR RM 0130 RR HS, G (BB)  
 6030 CANADA CFVJ-Calgary 1355, typical DJ format, 100W, FF (RWP)  
 6035 BRAZIL R Globo 2310 PP, mx, IDs, F (JPR) 0145 PP, talk, P (RZ)  
 6040 COLOMBIA LV del Tolima 0035 SS, ID, speech, F (AAM)  
 6040NF CANADA RCI 0000-0100 SS/CAM //9625, E (BB)  
 6045 BRAZIL RC Paranaense 0045-0100, ads, mx, ID, "Curitiba" hrd, F (FH)  
 6045 PERU R Santa Rosa 0426 SS, ID, talk (RBO)  
 6055t COLOMBIA R Pacifico 0513\*, F w/UTE QRM (RWP) Px details, pse (Ed)  
 6060v ARGENTINA R Nac 0930 SS, variety, F (BB)  
 6060t ECUADOR LV de la Democracia after 0609 RHC off SS, nx, "Democratica"  
 hrd once, "Quito" & other Ec cities mentioned (RWP)  
 6060NF NETH ANT RN\*0330-0450\* DD/WCNA ex-9575, QRM RHC, list 6070B, F (BB)  
 RN engineering sked show 6060 as apparent last-minute change (Ed)  
 6060tNF USSR RM \*2129-2140 C07, IS, nx, P (SLB) Why do you say Chita? (Ed)  
 6065 SWEDEN RS 2115\* EE/Eu, F (JPR) 0630-0715, relay SR-1/Eu, F (BB)  
 6065.5 COLOMBIA R Super 0930-1030 SS, ID "R Super" & "La Noche Super", LA mx,  
 TG, E (SLB,EL)  
 6070 ECUADOR R El Mercurio 0300-0310, nice loc mx, ID 0303, over CFRX (ARN)  
 6070 CANADA CFRX-Toronto 1930 EE (JPR) 2300 (GW) 0400 (DWW) 1419 (DEM) 1640  
 (ENR) All w/usual US-type fare (Ed)  
 6075 COLOMBIA R Sutatenza 1056-1145 SS //5075v, LA mx, P (SLB,BLC)  
 6075 COSTA RICA R Reloj 0805 SS, mx (DEM) Not on 49 MB Band Survey and never  
 noted here, altho listed in WRTH. Any ideas? (Ed)  
 6080NF ECUADOR HCJB 0500 RR ex-6015, G (BB) Still here? Cf 6015 (Ed)  
 6080 RSPSR(As) Komsomolsk presumed 1405 RR HS, clas mx, talks, G (RWP)  
 6080 N ZEALAND RNZ 0625 //9540/Pac Is, wx warnings, pops (RWP)  
 6080 ALGERIA RTVA 0000, AA chants, G (RWP)  
 6082 PERU R Nac 0524 SS, ID "R Nac del Peru, Em de la Patria", Andean mx,  
 E (RWP) 1100 SS, talk, mx, P (RZ)  
 6085 COLOMBIA Cf Nov LR-8. Not Ecos del Pasto, but "Ondas del Darien" (ARN)  
 Ondas del Darien 0100, new stn (ARN) 1118, vocal group mx, multi-voice  
 ads, no ID (GLD) Tnx, Al (Ed)  
 6085 INDIA AIR-Madras 1306, tabla/sitar mx, P (RWP)  
 6085t ZAIRE R Kisangani 0420 FF, Af mx, 2-note IS 0500, strong (GLD)  
 6085 W GERMANY DW 0400 GG, IS, nx, E (LKM)  
 6090 IRAQ R Baghdad 2230, chants, Ramadan sked, F (RWP)  
 6090 AUSTRALIA ABC-Sydney 0812 f/i EE, nx, IDs (RBO) 1126 EE, stocks (MD)  
 6090 LUX RL 0030 EE, LM, P (LKM) 0200 EE, pops (DEM) 0552 GG, GG ballads, F  
 (AAM) 0625 DD, G but het (RWP) Is Dutch a new lang for RL? (Ed)  
 6095 SOMALIA R Mogadishu \*0258 Somali, NA, chants, G w/QRM (RWP)  
 6095 BRAZIL Rdif Sao Paulo 2320 PP, EE pops, ID, PF (JPR) 0830-0845 PP, ID  
 "Rdif de Sao Paulo", LA mx, E (SLB)  
 6095 COLOMBIA LV del Centro 0150 SS, one ID, E (ARN)  
 6100NF USSR RM 0830 JJ since 10/26 (BP-Pac)  
 6100RF E GERMANY RBI 0045 GG/LA, under DW GG, P (BB)  
 6100 FRANCE ORTF 0645-0700 FF/Pac, pops, TC, "Inter" HS nx relay, E (BB,EL)  
 6105 COLOMBIA R Vision 1020-1052 SS, "Caracol" IDs, mx, nx, F-E (EL,BLC,JPR)  
 6115 BRAZIL R Tupi 0130 PP, talk, P (RZ)  
 6115 COLOMBIA LV del Llano 0410-0436 SS, mx, IDs, "Cuckoo", QRM (FH,RBO)  
 6115 PERU R Union 0435 SS, ID, mix Llano (above) (RBO)  
 6115 CONGO LV de la Rev Congolaise 2230 FF, Congolese jazz, G (RWP)

- 6119.1 VENEZ R Angostura 1005-1020 SS, Rumbos nx, G (EL)  
 6120 ARGENTINA R El Mundo 2330-2350 SS, folklore concert, GF (EL)  
 6120RF SWITZERLAND SBC 2300-0130 langs/SAm ex-17830 //9750,11720,15305, F (BB)  
 6125 BRAZIL R Nac de Sao Paulo 2323-2345 PP, mx, many IDs, ads, futebol (EL)  
 6125 HONDURAS R Suyapa 0220-0245 SS, mx, Coke ads, singing ID, F under QRM  
 (EL) 0430-0455 SS, IDs, G w/GRM (SR) Pse use leading zeroes for GMT (Ed)  
 6125NF E GERMANY RBI 2245-2330 EE/Eu //9730, P (BB) Any idea as to why the new  
 500 kw Nauen tx is so terribly weak, esp as compared to Werchtal? (Ed)  
 6130 GHANA R Ghana 2032-2045 EE, nx, FG tnx to no CHNX (SLB) 2157-2214a\* EE,  
 Af mx, chamber mx, nx, Af nx, IDs, P-G (SR,NAP,RWP)  
 6130RF NORWAY RN \*2300-0030\* NN //9610,9645, G (BB)  
 6130 CANADA CHNX 0230 EE, nx (DEM) Dave & other reporters, pse note that GMT  
 is written with 4 straight digits, i.e. 0700, not 7:00, tnx (Ed)  
 6135 BRAZIL RTV Gaucho 0130 PP, talk, P (RZ)  
 6135 TAHITI ORTF 0700; Pac chorals, LM, G (RWP) Can one of our Pac reporters  
 indicate the actual (not nominal) sked of this stn? (Ed)  
 6140 COLOMBIA R El Sol 0700 SS, jingle ID, G (RWP) 1030-1100 SS, nx (BLC)  
 6140.2RF CHINA RP 2230-2330 VV, F (BB)  
 6140RF ENGLAND BBC 0515-0530 TT, G (BB)  
 6144 NIGERIA NBC-Calabar 0630-0710 EE, Af chants, ID (RWP) t 6145 2125, Af  
 rhythms, drum IS, F (ECS)  
 6145NF ALGERIA RTVA 0635 FF //15420 (BP-Pac)  
 6155 JAPAN FEN 1300+ EE, sports, VoA splash (RBO)  
 6160 CANADA CKZN-St John's 1000-1030 EE, P (BLC)  
 6165 BRAZIL R Cultura 0840-0900 PF, ID "R Cultura", F (SLB) Pse indicate  
 stn name, not call letters, except for Can locals (Ed)  
 6175 PERU R Tawantisuyo 0431 SS, IDs, FG (SR) SR & WRTH spell this as  
 "Tahuantisuto", 49 MB survey the other way, which is correct? (Ed)  
 6175RF USSR RM 2000-2030 EE/UK, F (BB) \*2100 EE //5920,6010,6050,7280, nx (FH)  
 6180 GUATEMALA LV de Guatemala 0400-0430 SS, IDs, G (SR)  
 6180 VENEZ R Turismo 1102 SS, ID, ads, LA mx, F (AAM)  
 6180 ENGLAND BBC 2145-2200, dedications, Big Ben, F (FH) WS? (Ed)  
 6185t ETHIOPIA R Ethiopia 0335-0345, chants, severe QRM (RWP)  
 6185 W GERMANY DW 2100 EE/As, nx, cmty, mx, P (RZ) Recent diplomatic & pol-  
 itical activity from Bonn, Berlin & the UN indicate that the 2-Germany's  
 situation will shortly be permanently legitimized. Ernst, might this  
 have an effect on radio propaganda from "both Germany's"? (Ed)  
 6190 MORROCO RTVM 0545-0645, chants, F (RWP)  
 6190 W GERMANY Sender Freies Berlin 0900 & 2400 GG, mixed px, BBC QRM, SFB  
 via R Bremen is seemingly always here; does anyone know when RB uses its  
 own tx?, G (JC-Eu) Good question. Also, Cf Nov LR-9 to further complicate  
 matters, whose tx is this?? (Ed) On 6200...  
 6195 TUNISIA RT 2225-2330a\* AA (ARN) 0500-0540 AA, chants, G-E (BLC,RWP)  
 6195 S AF Springbok R 2030 & 0420 EE, nx, ads, wx, pops, ex-3250? (FH)  
 6199 LAOS VoPathet Lao 0858-0901 Laotian, IS on a mandolin?, Pathet Lao  
 theme mx, IDs, F (HRB) FF ID translates as VoPathet Lao, altho in print  
 the Pathet Lao & Chinese also refer to it under several other titles (Ed)  
 t 1245, weak (RWP) Power is 15 kw or less (Ed)

## 6200 - 7099.9 kHz

- 6200v ALBANIA R Tirana 2340 SS, "Int" (EH) Noted here varying from 6198-6226!  
 6207 INT WATERS RNI 2230 EE, rock, G (RWP)  
 6224 PIRATE (ENGLAND) R Venus North \*1300-1500 Su EE, nonstop pops, no sign  
 of Gnomes of Ulster yet, F (JC-Eu) Maybe it's the Chief Gnome who has  
 started up "Radio Free North Philadelphia" here at \*2330 Sat 90.1 MHz! (Ed)  
 6225 PIRATE (ENGLAND) R Venus (North or South?-Ed) 1245 EE, ID 1300 (AEM-Eu)  
 6225 CHINA R Peking 2235-2257\* maybe SS/LA, no? (RWP) No. Likely Tirana II  
 //1088 MW wandering around here, cf 6200v, above (Ed)  
 6225tRF PIRATE (HOLLAND) World Music Radio 2132-2218 EE, rel mx, ID "World...  
 Radio", UTE QRM, some RR mx (SLB) Cf 6250, Sam (Ed)  
 6225NF PIRATE (IRISH REPUBLIC) Liberty R \*1030-1300\* EE ex-6815 Sun, pre-re-  
 corded pops from London, but Irish & Irish nationalist spot anns, accent  
 unmistakable, tx is said on good authority to be in the Irish Republic  
 (JC-Eu) 1125 EE Sun ex-6815, pops (AEM-Eu) Ye Ed accepts John's "good  
 authority" in this matter and wonders how this can make TA so this new  
SWBC country can be logged? And verified with approx QTH specified??  
 Is this a job for Wonder Warthog? Captain Glotz? Henry Kissinger? (Ed)  
 Fq varies, also noted on 6232v (JC-Eu)  
 6250 N KOREA KCBS 1230 KK, As mx, strong (RWP)  
 6250 EQ GUINEA R Santa Isabel 2220-2225\* SS, "Los Voluntarios" NA, new s/off  
 time (GLD,RWP,NAP) 0503-0535 SS, Af mx, G (JDT)

- 6250 PIRATE (ENGLAND) R Pegasus 1010 EE test, wants rpts, G (AEM-Eu) Apparently a new stn; is final sked yet known? (Ed)
- 6250NFv PIRATE (HOLLAND) World Music R \*0900-1300\* Sun EE/DD, pops, varies from 6224-6250, strong harpsichord IS, read a report from New Haven (sic) over the air on lbx px, so must be able to make ECNA (JC-Eu) Good going Sam & Si! Apparently the fq moves are to ditch jammers, which leads us to the question of who is doing the jamming? (Ed)
- 6255 AUSTRIA Austrian Army OEY-21 1950-2005\* GG, pops, strong w/beacon QRM, QRA/QTH given (AEM-Eu) Once or twice a week one of the 2 Austrian Army tx is on from around 0400-0700, do you know this sked? This is when we can log it here in NA (Ed)
- 6270NF CHINA RP 1205 EE, nx, PF (AAM) 75% of the stuff on SWBC is "propaganda", OM, unfortunately, making this a rather poor description. Is this //11685 (EKNA Svc) or 15510 (SEA Svc)? (Ed)
- 6340 TURKEY Ankara Police R \*1730 TT, brief anns, mostly TT mx, F but RTTY QRM (JC-Eu)
- 6659 HARMONIC (MEXICO) Unid 1248, CST TC, ranchera mx, RCN jingle, also 1335 -1350 f/o, plug for "desarollo nacional" (GH)
- 6900 TURKEY VoMeteorology \*0500-0533 f/o TT, "saz" IS 0455, ID, anns, alternates w/folk mx & anns by W, fine signal! (RWP,SDA) Used to have a UTE messing things up here, gone now? Too, maybe their 2 tx are now operating in // on the same fq for a total of 5 kw (Ed)
- 7050 EGYPT R Cairo 0425 AA, AA mx, F (SWE)
- 7062 POLAND SP5PZK-National Amateur Station \*0930 EE, harp IS, jazz. nx. F w/ARO QRM (JC-Eu) Now, in the dead of the DX season, this has to propagate to NA from time-to-time at s/on and s/b audible when ARO's let up, so let's go to it! (Ed)
- 7090 ALBANIA R Tirana 0430, W talk, P (SWE) Greek //6200v (Ed)
- 41 Meter Band
- 7100RF USSR RM 2300-2400 Quechua/Peru, F (BB)
- 7110NF USSR RM 1050 JJ since late Oct (BP-Pac)
- 7110 MALI Rdf du Mali 0805-0900 f/o Fri, Af rhythms, this fq sked Suns only at this time (BP-Pac)
- 7120 ENGLAND BBC 0515 TT, ID, G (FH)
- 7130 W GERMANY DW 2100 EE/As //6185, nx, xmtx, mx, P (RZ)
- 7145 FRANCE ORTF 0515 EE, "Paris Calling Af" w/Cristopher Wells (FH) ORTF andcd fqs often wrong, Fred. Wells must be new annc, ex-Abrams I think (Ed)
- 7155 JORDAN Amman HS 0430-0630 AA, talks & music, G (JC-Eu) Cf Nov LR-10, what is 7145.2? (Ed)
- 7165 W IRIAN Cf Oct LR-8. Is RRI-Djajapura, rather than list Kapung (ARN)
- 7175 FRANCE ORTF 0520 EE, nx, P (SWE) 0645 FF/Af, relay Inter HS 0700, QRM VOA w'days only (BP-Pac) Wonder if the expropriation of ORTF-Brazzaville will prompt the Pompidou administration to beef up Allouis? (Ed)
- 7185 ENGLAND BBC \*0400 EE, nx, G (GW)
- 7189 ISRAEL IBA 2050 AA, "D" px, separable fm RFE 7190 (BP-Pac) Here's another DX goal, or Forces on 8777, rather than the 2 or so 300 kw Goliaths operated by IBA now. 7189 is \*0358-2250\* w/AA & RR HS/FS, it seems, and 8777 Forces' Pk sked per BBC MS \*0900-1210\* & \*1300-2205\* Hebrew (Ed)
- 7200 SUDAN Omdurman 0405, AA chants, Ramadan fq? (RWP) Year-around (Ed)
- 7210 W IRIAN RRI-Biak 0835 Indon, talks, ID "Irian Barat" //3282, P (HRB)
- 7215 TAIWAN AFNT 0841, requests, QRMs presumed Brunei, F (HRB)
- 7225a MALDIVES R Maldives belting out nice signals here around 0530 period, per Canadian DXer and Philadelphia DXer, even confirms. Same Canadian DXer (in another bulletin, ditto for the other fellow) gets a definite Bahrain on 11920 at 2135, which might come as a surprise to RTVA engineers. Possibly this is the reactivated crystal-controlled CIA flying tx beached some years back after a stint in the Carribean? Fortunately, no LR reporters find Maldives here, since propagation won't permit such a thing, nor does your Ed, also in Philly, find it (Ed)
- 7225 INDIA AIR-Delhi 1750-1800 EE, nx, E (AEM-Eu) Sked here 0330, cf above (Ed)
- 7230NF USSR RM 1045 JJ, strong (BP-Pac)
- 7235 NIGERIA ECSBS 0535 EE, nx, ID "This is the Broadcasting Service of the East Central State", F (DWW) Hmm, that's BSECS! (Ed)
- 7235NF VATICAN VR 2230-2245 EE/FE //9615,11705 ex-15420?, F (BB)
- 7255 NIGERIA VoN \*0600 EE, long IS, nx, mx "Hi Life Nigerians", E (JER)
- 7275 NIGERIA TWR 0600 EE, Af mx, not //7255 (DEM) VoN sked on 7255 only (BBC MS) So what's this? (Ed)
- 7290v MONACO TWR 0720 EE, rel talk, E (SWE)
- 7295 SULAWESI RRI-Menado 0846 //5987, Indon mx, F (HRB)

7300 - 9499.9 kHz

- 7325 ENGLAND BBC 0030 EE, cnty, G (GW) 0145 EE WS (PP)  
 7460av UNID ASIAN 0957-1000+ SEA lang, IS 1000, W talk, G (SK) I have a clear tape of this made by Bob Bundy if we have any SEA-lang experts in our midst who care to give it a listen; let me know at Box 2133, Philadelphia, PA 19103, USA, giving details of your recorder speeds/tracks (Ed)  
 7500 AUSTRALIA VNG EE, pips, ans ea 15' (BLC) What time? (Ed)  
 7816.6 UNID ASIAN 1245, not VV or Thai, possibly HRBs Lao, all talk, no mx, poor mod (FGS) Sounds more like a UTE (Ed)  
 8000t JAPAN JG Time 1035-1100\*, believe hrd USB pips deep in the noise (EGS) Do you hear this here, Hiro? (Ed)  
 9009 ISRAEL IBA 2040 EE/af, nx, IDs (EH) Poor listening here since they dropped the Eu beam, 11900 & 12020 better (Ed)  
 9475 EGYPT R Cairo 2200-2400\*, AA mx, abttr off, G (MSL)

31 Meter Band

- 9505vNF DOM REP RTVD 2230 SS, mx, drift from 9512 (DEM)  
 9505 GUATEMALA TGNA 1325 SS, slow US pops, ID, E (NAP) 0330 EE, rel, P (BLC)  
 9505 JAPAN NHK GOS 1000-1015 EE, nx (LKM,MWI,HSt) \*1100 EE, nx (DEM)  
 9510 MALAWI Lakeland R 2045-2102\* EE, rel px, ID "Lakeland R" (HRB,RWP) 2043-2146a\* EE, ID, wants rpts to Box 30211, Chikerri, Blantyre (RWP, GLD,ARN) 2145-2200\* EE, coml Svc, ID, PG (EGS) Sked?? (Ed)  
 9510NF W GERMANY DW-W 1700-1735 EE/As //1765, F (BB)  
 9515 MEXICO LV de la America Latina 1412 SS, ads, LA mx, F (AAM)  
 9515v N KOREA KCBS \*0900 RR, IS, ID, NA (RBO) Both Koreas ceased radio propaganda against each other on 11/11/72 as part of the program towards eventual reunification of North & South Korea, which appears to be going very successfully. This suggests the clandestines from N Korea are now inactive, as well. Altho reunification will likely take a bit of time, it might be wise to verify both these countries while they still exist as separate entities; both verify erratically (Ed)  
 9520 N ZEALAND RNZ 1010 EE, nx, stocks, P (JPR) 1144\* EE, ID, GSTQ, F (AAM)  
 9520 PAPUA ABC-Port Moresby 0730-0759\* EE (BLC) Bob P, any idea of how ABC in Papua will fare with independence? Or is that likely in the near future? (Ed)  
 9520 SPAIN RNE-N 0050-0111 SS/LA, talks, mx, G (MSL,HP) 700 kw (BBC MS)  
 9525 INDIA AIR-Aligarh 1910 EE, cricket, F (AAM) 2020, P (EGS) 2100 EE, nx, cnty, lbx (Mons), FG (ENR) 1/4 mw (Ed)  
 9530 FRANCE ORTF\*0000 FF, IS, nx, P (PP)  
 9540 N ZEALAND RNZ \*0453-0705 EE //6080, "DX World", BBC nx, mx (LMN,DCJ)  
 9540vRF POLAND PR 1830-1900 FF/af //11840v, P (BB)  
 9560 W GERMANY DW \*0000 GG, nx, cnty, G (GW)  
 9562a PERU R Nac 1100 SS, Andean mx, //6082, P (RZ)  
 9570v CHILE R Portales 0100 SS, mx, ads, IDs, talks, FG (DCJ)  
 9570 CHINA RP \*1600, low EIR amid noise, M&W IDs, As lang, P (EGS) Unlist here, altho could be RR Svc on NF (Ed)  
 9570 ITALY RAI 2230 II/NA, F (GW)  
 9575t BRAZIL R Exelsior 0815-0915 JJ, mx, ads, dist mod, F (EL) Dist? JJ and other unexpected langs crop up due to expatriate groupings in parts of LA, II is another lang sometimes heard, e.g. in Venez (Ed)  
 9575 NETH ANT RN 1430-1515\* SS, nx, E (HSt)  
 9580v PHILIPPINES Vot Philippines 0932-0943 EE (BLC) 1300-1400 EE, ID, soft mx, poems, rel px, usually F (NAP,RZ,EL) Measures from 9579-7-9583, but appears to be drifting down (Ed) Unid 1153-1205, orch mx, M ancr, not R Mar, Philippines? (GLD)  
 9582t NICARAGUA R Mar 1620 SS, another SS on 9581.2 (EGS)  
 9585 JAVA RRI 1440 EE, mx, P (MN)  
 9590v CHILE R Presidente Balmaceda 2350-2400 SS, ID, nx (AEM-Eu) \*0959-1030 SS, LM, IS, ID, UPI nx, E (SR) UPI? Interesting in view of recent events. Would think Prensa Latina or similar more likely (Ed)  
 9590 NETH ANT RN 0440-0450\* SS, G (HRB)  
 9590 AUSTRALIA RA 1117-1134 II/lang, pops, lang 1130, G (SLB)  
 9590vRF SWITZERLAND SBC 1530 EE/ME //11870,15305 ex-15430,17830,21520, G (BB)  
 9600 ENGLAND BBC \*0500-0515 EE, nx (LMN)  
 9610 AUSTRALIA ABC-Perth 1440-1515, nx, mx, G (LMN)  
 9610NF ALGERIA RTVA 0620 AA, mix Perth (BP-Pac)  
 9620 YUGOSLAVIA R Belgrade \*2200-2212\* EE \*2215-2230\* FF, nx, mx, ID, IS (DEM,FP,LKM,MWI)  
 9625 ISRAEL IBA \*2035-2115\* EE/Eu, nx, lbx, IS, ID (MWI) //11900,12020(BBEMS) Well, 12020 maybe, 11900 definite... (Ed)

9630RF ITALY RAI 2230-0100 II/CAM, SAm ex-11810 //6010,9575,9710,11905, G (BB)  
 9640 S KOREA VoFK 0900 EE, nx, mix EE stn (RBO,SK) Cf 9515v (Ed) \*1200-1230  
 EE (BLC)  
 9645 E GERMANY RBE 2340 PP, mx, FG (AAM)  
 9645RF NORWAY RN\*1900-2030\* NN/Eu, new beam heading, P (BB)  
 9655 SYRIA R Damascus \*2030-2045 EE, ID, nx, mx, P mixing stn (ENR,AAM)  
 9660 VENEZ R Rumbos 0953-1000 SS, mx, nx, E (HP)  
 9660 SPAIN RNE 0800 Polish/Eu, no jam, F (BB) RR px jammed, tho (Ed)  
 9665RF USSR RM 1000-1100 GG/Eu, F (BB)  
 9670 PORTUGAL IBRA R via RTE 1930-2015 GG, rel px, gospel mx, FG/QRM (EL)  
 9674.6 PERU R del Pacifico 1130 SS, Andean mx, ID, F-G (BB,ARN)  
 9675 BRAZIL R Diario da Manhã 1000-1021 PP, chimes, ID, nx, F (SLB)  
 9675vRF POLAND PR 2000-2030 EE/AF, F (BB) Pse, list only // 's hrd, not sked data.  
 Sked info s/b sent to LN & the new EE/NA column starting this month (Ed)  
 9680 AUSTRIA ABC-Melbourne 0815 EE HS, wx, ID, stocks, P (SWE)  
 9690v ARGENTINA RAE 0315-0430 SS/EE, talks, mx, IDs, F-G (MN,MSL) Believe  
 still Mon-Fri only (local dates). Interestingly, this stn was set up  
 by El Viejo - Peron - years ago as his propaganda voice; s/b interest-  
 ing to see how this presently-dull operation changes as the Peronistas  
 start flexing their political muscle (Ed)  
 9690v ROMANIA R Bucharest 1835 FF, talk, F (ENR) 2100 EE, nx, FF (RZ)  
 9705 MEXICO XERMX 0150 SS, talk, mx, F (MSL) GAC indicates R Mexico sold  
 to Mexican Govt by Notimas, which founded it, and operation is suffer-  
 ing as a result, apparently due to funding. Possibly letters of support  
 and appreciation sent to the Mexican Embassy in your country might  
 bring a few extra pesos into RMs coffers and allow them to provide us  
 with continued pleasant programming (Ed)  
 9710a MAURITIUS Forest Side-MBC 1220-1240, Indian mx, ID 1230 "Maurice", M  
 ancr (ARN) "Maurice" is FF for Mauritius (Ed) t1240-1255 lang, loc mx &  
 instr mx, M in Hindu-type lang, FG (SLB) t 1240-1300+a\* Indian lang,  
 Indian mx, talk by M&W (DLS)t145-1240 f/o, Indian & Western melodies,  
 Kuala Lumpur 6175 sounded vy similar (ECS) Last noted by ye Ed on 9709.5  
 varying, but MBC clearly stronger than K-L (Ed)  
 9710 ITALY RAI 1755 AA, ID, AA chants, F (ECS) RF 0350-0410 EE/As, G (BB)  
 9715 CONGO LV de la Rev Congolaise 1835 FF (RCR) Details, pse. (Ed) Try  
 here and //15190 for quasi-clandestine "VoFighting Angola" \*1800 PP  
 some days (not daily, tho), the stn of the National Liberation Front of  
 Angola (FNLA), probably also //1475,1520N,3264,4765,4843N,21500, &  
 maybe 6115 (N= Pointe Noire relay near Angola). Further info on these  
 fqs would be much appreciated to Box 2133, Philadelphia PA 19103 USA(Ed)  
 9715RF SWEDEN RS 1230-1330 EE/Swedish/FE ex-15105 //9630, P (BB)  
 9730 FRANCE ORTF 0000-0100 FP/Brazil, FF LL 0045, E (BB)  
 9735 W GERMANY DW 0355 GG, march mx (PP)  
 9744.2v IRAQ R Baghdad \*1930-2013\* EE, IS, NA, nx, ID (SDA,BB,ENR,SWE,MN)  
 9745RF SWEDEN RS 0515-0615 EE/Swedish/ANZ ex-11940, F (BB)  
 9745RF W GERMANY DW 0400-0610 GG/WCNA //9735, F (BB)  
 9765RF W GERMANY DW 1515-1615 RR ex-7155 //9610,11925,15245,all jam, P (BB)  
 2100-2200\* EE/As, nx, cmt, pops, P-F (RZ,GW)  
 9769a HAITI 4VEH 0030 EE, hymns, rel px, F (DCJ) 1346-1400+ EE //11835 (NAP)

## 9775 - 11699.9 kHz

9805 EGYPT R Cairo 2145-2300 EE/Eu, nx, ID, mx, F-E (ENR,DAR,CAW,MWI)  
 9833 HUNGARY \*2130-2145 EE, ID, cmt, DX px, mx, F-G (DAR,GW)  
 9912 INDIA AIR-Delhi 1955 (AEM-Eu) 2115 EE/UK, F (RWP) 2200 EE, P (RZ)  
 10010v CAMBODIA Liberation R 1930 VV //14490v, sked in HTL-72 correct (JC-Eu,  
 BP-Pac) Also //12115v (Ed) \*2200-2240 EE/Khmer, F (HRB) 10009 is RR  
 UTE (Ed) \*1430-1458 EE, POW speech (SRD,DWW) Unid 2030, mx, t1k (RH)  
 10040v N VIETNAM VoV 1920 VV, cmt (BP-Pac) 1200 EE, nx, no ID, P (RZ) IDs  
 as "Voice of Vietnam", not R Hanoi (Ed) 1530-1558 EE, nx, F (LMN)  
 10110v CLANDESTINE (ROMANIA) R Independent Spain 1935 SS, nx (BP-Pac)  
 10229v CAMBODIA Liberation R 2235 VV HS (BP-Pac) //7216 \*2200-0030\* (Ed)

This ends my brief stint at Log Report. Beginning with the Jan 73 issue of FRENDEX, "Log Report" will have four editors coordinated by DF at HQ, plus our recently-added Forms Editor, Walt Trkula. Several changes are forthcoming, most of which I hope you find useful.

I would like to close by thanking you all for your outstanding support of LR. If it has been worthwhile, you have made it so and, I trust, will continue to do so.

Best 73,

- 11375vRF CHINA RP 2200-2300 PP to Brazil, 6 Nov, believe QC, used fall 71(BE)  
 11445 CHINA RP 2330 SS, chorus & band mx(LKM)  
 11455 CHINA RP 0000 CC after IS, good(LKM)  
 14459 CLANDESTINE R.Port Livre, PP tlc 0705, 0730\*, //14955(BP-Pac)  
 11506 CLANDESTINE R.Port Livre, 1942-1992 BPAK, mx, exc., //15184(SLB)  
 11620 INDIA AIR-2300 EE aunts, good 1-1(OLD)  
 11630 BOSTY Cairo, 0120 PP mx, mx, talks, good(DCJ)  
 11641v BANGLADESH RB, 1720 EE, to, s/on ID, mx, cmtry, mx; fair(DCJ)  
 11650v BANGLADESH RB, 1715-1800 EE nx, letter box, comment(mx/RBO)  
 11650 CHINA RP; 1200 EE nx, cmtry, fair, //17685(RZ)  
 11690 USSR RM 2230-2300\* EE to Africa(GW)0532 EE nx/cmtry, erratic sig(CAW)  
 11695 CLANDESTINE R. Peyk-e-Iran; 1750-1807 lang like AA but not, //11415(SLB)  
 11700 MONACO TWR 1800 IS, EE ID, AA ID, AA svc(ECS)  
 11705 N.ZEALAND RNZ 1200 EE nx, wx, extended sig, poor to fair(RZ)  
 11709.5v ARGENTINA RAE; 2200-2300 FF to Eur(BB) 2320 SS, tangoes(AEM-Eu) 2330 EE w/  
 lcl mx & Argentine Industries px to 2345(LKM)  
 11710 AUSTRALIA RA 1115-1215 daily in EE(HST)  
 11710 N.CALEDONIA Noumea 1050-1100\* FF, mx(RZ)  
 11710 INDIA AIR-Delhi; 2300 EE nx/cmtry, lcl mx, to E.Asia in GOS(RZ)  
 11715 SWITZERLAND SBC 0345-0400 Italian, M&W w/nx & mx, cmtry(HEF)  
 11715NF ECUADOR HCJB 0600 EE to Eur, //9560, 11745, 15115 to NA; QC ex 11710(BB)  
 GG to Eur 2115, NF ex 11780 //15300, 17755(BP-Pac)  
 11719.9 BRAZIL R.Nac.Brasilia; 0600-0630 PP, Br mx, ID & fqys(EL) 2145 EE nx of Br.  
 British accent(BB) Futebol in PP 0144(AAM) \*2300 SS Int'l Svc, good(GW)  
 11720 CANADA RCI; 0205 EE nx, cmtry(PP) 2200-2215 EE nx, //11345, 11720(SLB)  
 11724 CEYLON CBC 0054 EE lite mx, ID 0130(PP)  
 11725 VATICAN VR; 2120-2140 FF then SS, rel talks(HEF)  
 11730 NETHERLANDS RP, \*2130-2250\* EE nx, mx, cmtry(GW)2100-2125 FF nx, mx(HEF)  
 11730RF MALAGASY REP RN Talata, 0030-0150 EE to SEA, mix new ORTF tx(BB)  
 11730 FRANCE ORTF w/ SS nx to SA 0100 mixed Talata, recent NF //11965(BP-Pac)  
 11740 INDIA AIR-Delhi; 2200- EE nx, poor(RZ)  
 11740 VATICAN VR; rel tlc in Italian(AAM)  
 11745 ECUADOR HCJB 0030-0200 EE, passport(PP)  
 11750 ENGLAND BBC 2300 EE nx(GW)  
 11755.3v ARGENTINA R.Emis. Com. 0200 futebol, //11780(BB) El Mundo; 0100 SS, much  
 talk, full ID 0130(DCJ)  
 11760 CUBA RHC 0300-0400 EE tlc, M&W(PP, HEF)  
 11765 BRAZIL R. Tupi; -115 PP tlc, QRM jammer, //15155(RZ)  
 11770 MEXICO XERMX 2330-0000 SS, mx, good(BLC)  
 11705 INDIA AIR Delhi 1055-1100 EE nx to Australia(RZ)1025 EE, Indian mx(JPR)  
 11775 PHILIPPINES VoA 1115 SS, mx, to SEA(RZ)  
 11780 ARGENTINA R.Belgrano; 0003 SS(AEM-Eu)  
 11780 NEW ZEALAND RNZ; 0600-0845 EE to S.Pac, ex 6080//9540(BB)  
 11780 ENGLAND BBC 2115 EE, military mx(GW)  
 11785 BRAZIL R.Guaba, 0000 PP mx, fair(RZ) 0100 PP ID, tlc, ball game(DCJ)  
 11785 NETH ANT TWR 2215-2300 SS to SA(BB)  
 11790 AUSTRALIA RA 1430 EE, mx, ID, excellent(MN)  
 11790 W.GERMANY DW; 0015-0030 SS tlc, mx, very good(HEF)  
 11795 ZAIRE Kinshasa w/native tam tam mx 0055-0110, FF MCing by YL; is an alternate  
 low pwr fqy for this one, //15245(ARN)  
 11795 LIBYA?? 2000 AA(RCR)  
 11800 SRI LANKA C&BC, 1450-1510 t/o vocal & instr mx(JDT)1606 EE nx, ID(MN)  
 11800 CANARY IS RNE; 2330-0300 SS, IDs, nx, tlc, cl mx(BLC, LKM, ENR)  
 11800 JAPAN NHK 2345-0045 EE to ECNA, QC ex 17825, //old 19445; finally made a  
 move in the right direction, but channel is poor choice with bad QRN, depends  
 on MUF. I'd still like to start a petition to get NHK to start a morning tx  
 to ECNA, to take advantage of the darkness "phenomenon".(BB) OK(DF)  
 11805 BRAZIL R.Globo, 2355 futebol(AEM-Eu) 0042 IDs in PP(RMP)0245 tlc in PP(RZ)  
 11810 ITALY RAI; 0100-0120 EE to NA(BLC)  
 11810 VATICAN VR 1515 EE church nx to 1530\*(DCJ)  
 11810 INDIA AIR-Delhi; \*1330-1345\* EE nx, cmtry, Indian mx(ENR, NAP, BLC, RBO, RCR)  
 11815 POLAND Warsaw; \*0200 EE(BLC) 0300 EE nx, pop mx(DCJ)  
 11815 NETH ANT TWR \*1105 EE to ECNA, 1235\*, QC ex 11820(BB)0035 EE rel mx(PP)

- 11815 NETH ANTILLES TWR, 0100 EE nx, good(DWV) 0108 EE rel px(HP)  
 11820 MEXICO XEBR; 1700 SS, mx, many ads, SS/EE IDs(DCJ)  
 11830 USSR RM 2100 EE nx, tlk, to Afr(GW)  
 11835 HAITI R.4VEH; 1946-1400+ EE rel px//9770(NAP)2300 cl mx to 2330 rel px(DCJ)  
 0015 EE rel px, -0100(AEM-Bu)  
 11835 URUGUAY R. El Espectador; 0930-0945 SS mx, ads(EL)0245 SS tlk(RZ)0230 SS nx,  
 ID, mx & tlk(DCJ) SS nx 0205, ads 0230, rock mx(JER) Had another rpt on this  
 one, but the time given as "\*100", which I cannot interpret. All reports to  
 LR or any section of Friendx should have times given as a 4 digit number.(DF)  
 11840 AUSTRALIA RA 1800 EE nx, rel px(DWV)  
 11845 ECUADOR HCJB 2345-0015 Chinese, new lang, NF, to FE, //17885, amcs 11830.  
 Also noted 2245 in PP(BB)  
 11845 CANADA RCI 2000 EE nx, mx, cmtry(GW)  
 11850 ETHIOPIA ETLF 0529-0544 EE, nx, mx(BLC)  
 11850 GHANA RG; 2000-2100 EE, nx, mx, cmtry, Afr mx(SRD, DWV, DCJ)  
 11850 USSR Vinnitsa, RM, 0445 EE cmtry, mx, nx at 0500(SRD)  
 11855 BRAZIL R.America, 2350 PP ID, tlk(JPR)0130 PP tlk(RZ)  
 11855 ISRAEL IBA; 2030-2105+ EE; nx, mx, interviews(JDT, SRD)  
 11857a ROMANIA RB 1937-2000 t/o EE nx, cmtry, ID, mx(JDT)  
 11857b BRAZIL RC Pernambuco; 0200-0300 PP, mx, jingles, IDs, ads, sports(JDT,RZ,DCJ)  
 11870 SWITZERLAND SBC, 1530-1800 to ME, //9590, 15305, QC(BB)What langs?(DF)  
 11875 NICARAGUA R.Nac.; 2215-2315 SS(BP-Pac)2300 SS ID, mx, tlk(PP)2200 SS nx(DCJ)  
 2200 SS nx(DCJ)2150 SS, mx(BLC)0532-0559\* SS CA/SA nx, IDs(NAP)2330 SS, px  
 requests(AEM-Bu)0050 SS nx, tlk, mx, IDs(EH)  
 11875 ANGOLA Emissora Oficial, 1516 EE cmtry, pops, nx, ID as in WRTH, FF 1548  
 (DWV) 1500 EE nx, mx(DCJ)  
 11875 UNID Suspect Angola, 0618-0641, 24 Oct; also 0710-0730, 19 Oct. pop mx, M  
 w/PP or SS tlk(NAP)  
 11875 UNID Stn in PP w/Emissora Nac px & IDs, in SSB-RC, noted for some weeks in  
 the 0800-1100 period; thot at first to be Luanda, but not so!?(BP-Pac)  
 11880 TURKEY Ankara, 0415 Turkish mx to 0450 when local QRM got 'em(LKM)  
 11885 USA WNYW 2145 EE pops, QC(BB)  
 11890 MALAGASY RN; 2130 Happy Stn in EE to Australia(RZ)2225 HS px Sun(DWV)  
 11899,5 TUNISIA RTWT; 2145 AA chants(LKM)0015 AA chants(RZ)  
 11900 CHILE LV de Chile 0035-0135 t/o SS political nx & cmtry, good lvl, infreq.  
 IDs(JDT) 0200 futbol(BB)  
 11900 USSR "R.Kiev"; 0035 in EE(HEF)  
 11900 S.AFRICA RSA 0351 long IS(PP)  
 11900 ISRAEL IBA on NF, EE 2035, ex 11855, fair(DEG)  
 11905 CUBA RHC 0500-0515 EE VoV px(SLB)  
 11905 TAIWAN BCC, CC chant-like mx, fair 1235(RWP)  
 11910 ETHIOPIA ETLF; 1930 EE to Afr, IDs, rel px(EH)  
 11910 HUNGARY R.Budapest 0400 EE, nx, cmtry, "Calling DXers" 28 Oct(DWV)  
 11915 ECUADOR HCJB 0600-0630; 2 tx, one GG, other EE rel px, on same fqy(EL)  
 11920 IVORY COAST Abidjan; 2205 FF drama to 2250 in FF(LKM)1915 EE, mx(BLC)  
 11920 PHILIPPINES FEBC; 1220-1300 EE, mx, good(BLC)  
 11925 UZBEK SSR Tashkent 1400 EE, ID, nx(MN)  
 11925 SPAIN RNE; 0100 EE nx, cmtry(DCJ)0120-0200 EE nx, mx, cmtry(PP)  
 11925 BRAZIL R.Bandeirantes 0230 PP, mx, ads, jingles, EE records(RZ)  
 11925 CYPRUS BBC 2020 EE(MN)  
 11925 LIBERIA VoA; 0300 EE to Afr, good(RZ)  
 11930 CUBA RHC; 0310-0330 EE cmtry(GW) 0100 EE nx, cmtry, VoV px 0210, //11910,  
 9685(DCJ) 0150 EE, mx(PP) RF QC, SS to LA 2230(BB)  
 11930 ECUADOR HCJB 1100-1130 RR to Siberia, QC ex 11765(BE)  
 11935 PORTUGAL RP; 0200 EE nx, cmtry(PP) PP 0330-0345, tlk on sports(HEF)  
 11935 BRAZIL RC Paranaense; 0015 PP, sports(RZ)  
 11940 LIBERIA ELWA 2045 EE nx, fair(RZ) 2015-2045 EE mx, poor(BLC)  
 11945 MALAGASY RN 2130 EE nx, mx, variety, ex 11890(DCJ)2130-2250 EE to Australia  
 QC ex 11890(BB)  
 11945 W.GERMANY DW 0224-0240 SS; IS, s/on 0230, GG ID, SS nx(SLB)  
 11948 PARAGUAY R.Enocarnacion 2355-0020 f/o(DCR)Px?(DF)2240 het against DW to 2247;  
 Useless sig barely audible till 2255(ECS)

- 11950 RWANDA DW Kigali 2230 GG //15380, ex 11965(RZ)  
 11950 BRAZIL R.Ministerio da Educacão; 0010 ID, cl mx(AEM-Eu) 0220+ orch mx, PP by M&W(JDT) 0240 PP tlk, mx, poor(RZ)
- 11955 SEYCHELLES FEBA; \*1730-1800\* EE rel px(RZ, SRD, ENR, DWW, NAP, MN)  
 11955a ETHIOPIA ETLF, 1930-2015 EE nx(MN)  
 11960 JAPAN NHK; 2100\* EE ID, anthem, off(JPR)  
 11960 CANADA RCI; 0100 EE nx, election coverage 31 Oct on unlisted fqy(RZ)  
 11965 BRAZIL R. Record; 0235 PP, mx, talk, ads, poor(RZ)  
 11970 S.AFRICA R.RSA 0100 EE, cl mx(GW)2330 EE nx, then "Sat Night RSA(DWW)  
 11970 CUBA RHC; 0030 SS to America, QC for this slot(BB)  
 11970 VENEZUELA R.Nac.; back here 0145, 29 Oct(BB)  
 11975 WINDWARD IS WBS; 0110 cl mx, EE(DWW)  
 11977 UNID "Espionage"; 1331 SS, numbers & tlk(NAP)  
 11990 CZECH RP \*2300 SS tlk(GW) 1750 EE to Afr/As(ENR)  
 12000 AUSTRALIA VNG; 0625 time sigs, EE ID(DEM)  
 12020 N.VIETNAM VoV; 1530 EE nx, cmtry, mx, //1004v(DCJ) 1300 EE nx, //15014; to GIs in Indochina(RZ)
- 12050 USSR R.Erevan; 0322-0329 nx(LMN)  
 12080 CLANDESTINE R.Euzkadiz; SS nx 2135(BP-Pac)  
 12175 Rikisutvarpid is back on the air using the PTT tx at Gufunes from 1200-1300 sked. Hrd 1220 t/i to 1255\*, with talks & mx, in Icelandic, I suppose. Heavy RTTY QRM. 1255 the PTT operation took over & the PTT test tx came on. Previous QSL from the PTT stn last year listed the tx as 5 kw(SDA)
- 12139 CLANDESTINE R.Esp. Ind.; ID sig, anthem, SS ID 2158(BP-Pac) 12140, 1830-1930 SS, mx, //14480, both jammed in turn, but clear periods(AEM-Eu)
- 12310 JAPAN FEN Tokyo, 2 x 6155, EE vocals; RR QRM on 6155, not here, 2115. At 2122 fundamental blocked by jamming, while continued here(HRB)
- 12340 UNID t/i 1420. Kor px here, 2x6170(HRB)  
 12350.5 MALAYSIA RM-KL; Indonesian tlks & pop mx, on 2x6175 $\frac{1}{2}$ , w/ exceptionally fine sigs for a harmonic; should definitely be heard by Hauser, etc. Ditto at 1205 on 28 Oct. Probably the best harmonic signal ever logged here(excluding local WSZC)(HRB)
- 12390 MALAYSIA BBC Tebrau, 2x6195, EE YL & pop tunes, 22 Oct(HRB)  
 14290 CHINA RP HS1, CC on 2x7145, RPs new HS tx - that new txs were supposed to be harmonic proof. ?(HRB)
- 14331 INDONESIA RRI Djajapura, WEST IRIAN; 2x7165.5, 2201 t/i w/ usual nice sig(HRB)  
 14403.4 CHINA RP HS, 2x7201.7, 2210 t/i; traces of RPs new Mongolian HS, fundamental unhrd this time, but is sked(HRB)
- 14510 W.GERMANY RFE 2125, 2x7255, fundamental unhrd in jamming mess, Rumanian Svc. Is Munich(ECS)
- 14475 RSFSR(As) RM, 3x4825, fundamental unhrd, 2217 t/i KK svc(HRB) (BP-Pac)  
 14990 CLANDESTINE R.Liberation, VV mx & anmts, 1945; FF 2000, //10010 also hrd  
 14996.6 CHINA RP 1635 low lvl, YL in EE, no ID, familiar CC orchestral marches, heavy WWV QRM(ECS)
- 15000 ARGENTINA LOL 2320 CW & voice IDs, does not match WIRTH sked(NAP) 2330 with spectacular sig, as good as WWV, 100% readable; YL w/ID & time just prior to & mixing with faint WW N(ECS)
- 15010 N.VIETNAM VoV; 1308 EE ID, px, US pops(SRD)  
 15014 N.VIETNAM VoV; 1300 EE nx, cmtry, mx, fair(RZ)  
 15060 CHINA RP; 0150 EE tlk(NAP) 0050 EE, s/off w/Int(PP)  
 15070 ENGLAND BBC 2045 EE mx, good, //15200, 15260(GW)  
 15080 CHINA RP 0150 CC songs, 0155\* w/Int (SWE)  
 15084 IRAN R.Iran; 1430 Persian chanting & tx breaks, which may explain absence of other channels lately.(BB)
- 15095 CHINA RP 0410 EE nx, ID; mx, tlk(CAW)  
 15105 BRAZIL R.Rural Brasileira, 2300 PP, pop mx, some EE records(RZ)2301DEM)  
 DJ show 2248 till NHK s/on 2256, good(SK)
- 15105 SWEDEN RS; 1215-1235 EE/FF, FF from 1230(SLB)  
 15105 JAPAN NHK; 0200 EE nx(SWE)  
 15110 NEW ZEALAND RNZ; 0330 EE comedy(RZ)  
 15115 UZBEK SSR Tashkent, 1200 EE nx, poor(RZ)  
 15115 GRENADA WBS; 2020 EE, hot jazz, ads, poor lvl(AEM-Eu)

- 15115 ECUADOR HCJB 0100 EE mx(PP)  
 15120 SRI LANKA R.Ceylon; 0140-0230 EE(BLC) 0200 EE nx(RZ) 0230 anncing as 8 o'clock and All Asia Svc of R.Ceylon in EE(ARN)  
 15120t VATICAN VR 0956-1006, rel chants after Peking off 0956, no break on hour, sked here Sun & holidays per WRTH(HRB)  
 15120 NIGERIA VoN; 1600 EE, special pr on close of Ramadan, nx 1630(DCJ) 1720 IS, drum & chants, under VR carrier, chime IS 1729, then EE ID(ECS)  
 15125 TAIWAN VoFC; 0158 IS, ID, NA, IDs, EE nx(SRD) 0200 EE nx, //17720, 17890(RZ) 0200 EE to Pac, poor(JPR)0306 EE nx(JDT)  
 15125 MEXICO XERMX, 0125 SS, Mex folk mx, SS IDs, EE ID 0137(SRD) 0240 SS tlk & mx (JPR) 0305 SS mx(ENR)  
 15130 USA WINE; 2115-2200 EE mx, pops, stock market, comments(MM) WNYW maybe?(DF)  
 15140 CUBA RHC 1930-1946+ FF; 1950 EE emtry; 2010-2140 EE to N.Afr, ex 17815, not // 15285 or 17715, which have EE to NA(BB) 2132 EE, VoV (CAW)  
 15145 SPAIN RNE; SS to LA 1030-1230, //11775(BB) 2030 SS nx, mx, to SA, 2130\*(DCJ)  
 15150 N.KOREA Pyongyang; \*2300-2315 Korean, SS 0100-0159(LMN)Closing SS 0153a(ARN)  
 15150 CHILE R.Corporacion, 0245 SS, official gov't nx(JPR)  
 15155 BRAZIL R. Tupi; 0130 PP mx, ads, IDs, talks(DCJ)  
 15155 S.AFRICA R.RSA, 1850 FF(DWV)  
 15160 AUSTRALIA RA 0640-0700+ EE, cl mx, //15240, 15320(NAP)  
 15165 DENMARK RD 1142\* EE ID, to Greenland(HP) 1200 EE ID, Danish(BLC)\*1600 DD to NA(ENR)\*1830-1915\* DD after EE ID, to Afr(JER, LMN)\*2045 DD to SA(ENR)  
 15165 INDIA AIR-Delhi; 1242-1315\* CC tlks, Indian & western vocals, new svc?(HRB)  
 15170 TAHITI R.Tahiti; \*0300 Tahitian(BLC, PP) 1740 FF, mx, EE nx(DWV) 1750 EE/FF, EE nx, ID as "French Polynesia"(SRD)  
 15170 LIBERIA ELWA 2055-2100 FF, rel mx, FF ID 2100(JPR)2000 FF, IS(EH)  
 15175 NORWAY RN; 1200 ID, then blocked by RM FS s/on, QRM de 15174 believed to be Cairo(HRB) \*1600-1630\* ID, talk, nx(DAR) 1620 EE, IDs, px, SS nx summary(SRD)  
 15175 PHILIPPINES VoA; 0100 EE nx to Indonesia(RZ)  
 15175 S.AFRICA R. RSA; 1923 EE interview, mx(JDT)  
 15180 S.AFRICA cf Oct LR; should be 15175 kHz, hrd daily 1900-1950(RW6)  
 15185 FINLAND OYA; 1400-1430 EE to ECA, new sked, best time here on ECA(BB) 1800-1830 EE nx, mx, DX px(Sat)(DAR, SWE, LMN, DCJ, BLC)  
 15185 USA WINE; 2245\* EE(RBO) 2130 EE(BB) 2200 ID, talk, in EE(DAR)2230 EE, mx(PP)  
 15185 NIGERIA VoN; 0645-0705+ EE, Af mx, EE tlk(NAP)  
 15190 BRAZIL R.Inconfidencia, from 22 Oct, when on apparent extended sked, 0300-0500, rare for this locality; many ads, pops, first time hrd 19 mb here(BP-Pac)  
 15190 INDIA AIR; 1230-1240\*, EE nx to 1235, then Hindi to s/off, not sked this time according to WRTH(HRB)  
 15190 FRANCE ORTF;1030-1042 EE nx, sports, //15295(SLB)  
 15190 ETHIOPIA ETILF EE nx to India at 1330(RZ)  
 15195 TURKEY VoT; 2200 EE nx, mx(PP)2200-2230 EE(BLC) 2230\* EE(DEM)  
 15195 JAPAN RJ 2206 EE, Asian nx(PP) 2200 ID(DAR)  
 15210 VATICAN VR 1620 EE church nx to Afr, 1634\*(DCJ)  
 15215 USA WNYW 0030 EE Hit Parade(PP)  
 15220 S.AFRICA R.RSA, RF; 2215-2315 EE to NA, QC ex 5980/6080; believe now used for later NA svcs, too; will check.(BB) Bill you need a new typewriter ribbon (DF)  
 15230 AUSTRALIA RA 0645-0705 EE; M&W w/features(NAP)  
 15230 CUBA RHC continuing here w/ Quechua 2200-2300, overmodulated(BB)  
 15235 W.GERMANY DW; 1320-1420 Mandarin; QC ex 21540(BB)  
 15240 AUSTRALIA RA 0640-0700+ EE, cl mx, //15160, 15320(NAP)  
 15245 SWEDEN RS; 1730 SS ID, Sw ID, SS px(ECS)  
 15246.2 ZAIRE RTVZ; 1815 M w/FF nx, well hrd(ECS) 0058 FF, guitar mx, YL(PP)  
 15250 ROMANIA RB; 1500-1530 EE to S.As, QC, duals not found(BB)  
 15260 ENGLAND BBC 0100 EE (PP)  
 15265 AFGHANISTAN Kabul; 1800-1830 EE, poor(BLC)  
 15265 PORTUGAL RCI-Sines; \*1715-1745\* RR w/ EE & FF IDs(SR)  
 15274 URUGUAY SODRE good 2335 w/cl mx, ID 2340, continues violin concerto(RWP)  
 15280 USA KGEI 0125 SS mx, M w/ID(SWE)  
 15280 USA KGEI 2231-2300 EE(Sun), rel px(BLC)  
 15280 HAITI R.4VER; 1435-1446+; man w/nx, Carib. wx, march mx, //11835, 9770(NAP)

- 15285 GHANA RG; 1505 EE nx, "Weekly Review", 1528\*(DWW)  
 15285v CUBA RHC; EE to NA 2050-2150, //17715(BB)  
 15289.2 ARGENTINA R.El Mundo; 2130 SS futbol(BB)  
 15290 PHILIPPINES VoA; 2300 EE nx to NE Asia, fair(RZ)  
 15300 ECUADOR HCJB; 1915 EE rel px(GW)  
 15300 CUBA RHC; 1235-1255 SS, nx, talk(ENR)  
 15310 GUINEA Conakry; 0320, 3% readable(RCR)  
 15310 MALAYSIA BBEFES has new beam this quarter, by using separate transmitters and antennas on the same freq; 1300-1815 to ME. Noted 1400 WS.(BB) Would much appreciate the source of info such as this:(DF)  
 15315 NETHERLANDS RN 1530-1615 Dutch to ME, QC ex 17810L, sked //17810M and 11730M but both need rechecks(BB)  
 15325 JAPAN NHK 0900-1100 to LA now sked here, couldn't raise weak sig(BB)  
 15334 S.KOREA VoFK; good in SS nx 0235(ARN)0300 EE nx, cmtry(DCJ)  
 15335 INDIA AIR; 1330 EE nx, cmtry, mx(RZ)  
 15340 INDIA AIR, not on listed 15335 at this time, EE talk 0045-0055, easy listening level(ARN)  
 15345 PHILIPPINES VoA-Tinang; 1430-1500 EE, mx, poor(BLC)  
 15345 ARGENTINA R.Nac; 2027 t/i to 2048 t/o w/lite cl mx to 2030 ID, then what sounded like a soap opera to 2045, then talk by man(SDA)  
 15350 NETHERLANDS RN Lopik; 1830-1950 EE to W.Afr; //15375B, 17830L, QC added(BB)  
 15355 AUSTRALIA RA-Darwin; 0830 IS, ID in Indonesian(LKM)  
 15365 CANARY IS RNE; 1835 SS to 1900, then ID & SS mx(JDT)  
 15370 TAIWAN VoFC; here w/apparent new AM svc in JJ, noted 2245 since 20 Oct, //17890 also hrd(BP-Pac)  
 15375 ECUADOR HCJB; 0035-0101 GG/EE from 0100, rel px(SLB) (BB)  
 15375 NETH ANTILLES RN-B; 1830-1950 EE to W.Afr, QC ex 21570B, //15350L, 17830L/  
 15385 ITALY RAI; 1830-1900 Italian, nx, sports, cmtry(HEF)  
 15384.5 MEXICO R.Mex.; 1410-1605\*, mx, IDs, anno 15125(EL) 2300 SS, EE IDs, //15125, 11770(DCJ) 0107-0115+ SS/EE; Mex mx(NAP)0020 SS, YL w/cmtry, mx(SWE)  
 15405 AUSTRALIA RA 1017-1030 "Australian Newsreel", IDs, //11945, 9570(SLB)  
 15410 RWANDA DW-Kigali; 2315 GG cmtry by men(DWW)  
 15415 KUWAIT RK; 1600-1800 EE, mx, nx, pops, annes //9750(FH, HP, GW, BLC)  
 15415 UZBEK SSR R.Tashkent; 1215-1230\* EE, Uzbek life px(SLB)1310 lang tlk, ID & IS 1312, language changes at 1330(PP)  
 15425 AUSTRALIA RA 0635-0705+ English talk show, pop music(NAP)  
 15425 GREECE NBI, \*1730, flute IS, anthem, Greek(BLC)  
 15428 GREECE NBI; 2000 shepherd flute IS followed by Greek woman w/ID, QRM de AFRTS(ECS)  
 15430 PHILIPPINES FEBC now here for daytime svc in ES, 0430, ex 15440(BP-Pac)  
 15435 MALAYSIA BBC FRS, 2300 EE, IS, ID for relay stn, nx, very good(DWW)0030 Eng "Radio Newsreel"(EH)  
 15435 TANZANIA RF, Dar-es-Salaam; 1850 EE, N+E 1900, jazz, ID(AEM-Bu)  
 15510 CHINA RP 0230 English news(LKM)  
 15500 COLOMBIA R.Nacional, SS mx, IDs, nx 0120(DCJ) SSB feeder(LM)  
 15510 CHINA R.Peking; 0145 English cmtry(NAP) 0215 EE cmtry on VV Peace Plan(RZ)  
 15520 BANGLADESH RB; 0145 EE; woman w/nx, ID, native mx, v.poor(DWW) 0230 EE nx, poor(RZ) Going into EE nx 0145, nice lvl(ARN)  
 16105 CHINA China Press Agency; 0010 CC, //17505(RWP) 0100-0115 CC dictation speed news(SLB)  
 16320 N. KOREA Pyongyang; SS to LA from \*0000, KK noted from 2354 tune(RWP)  
 17670 EGYPT Cairo; 1100-1230 AA, good(EU)  
 17675 CHINA R.Peking; 0015 EE nx, nx review, fair to good(RZ)  
 17697 CANAL ZONE NBA, CW time station, 2255, excellent(BLC)  
 17700 E.GERMANY NBI; 1400-1422 EE nx, //21540, 17700 was good, but BBC QRM(SLB) EE 1200-1242 to SEA, poor/fair(EU)  
 17715 CHINA R.Peking; 0100 EE nx, //17855, 9780(PP) 0100 EE, IS, M&W(SWE)  
 17720 FRANCE ORTF, EE 1100-1115, //17730, then French; fair(EU)  
 17720 TAIWAN VoFC; \*0200-0215 f/o; EE(BLC) 0200 EE nx(RZ) 0208 EE nx, cmtry(PP)  
 17720 USA WINB; 1920 EE rel px, good(CAW)  
 17725 JAPAN NHK, 0200 EE cmtry, Gen Svc, //17825(PP)  
 17735 PHILIPPINES VoA, Poro; 0145-0200 EE report to Asia, //17850 Delano(SLB)

- 17755 ECUADOR HCJB; 2100 GG to Bur; QC ex 17815, //unannounced 9560, etc(BB)  
 17755 RSFSR(Bur) Moscow w/RP&P px, EE to E.Afr 1530-1600, QC(BB)  
 17795 AUSTRALIA RA, 0100 EE nx, etc., to NA, //21740, rarely hrd now(PP)  
 17805 SPAIN RNE; \*1258-1500 SS IS, IDs, nx, talks, mx, excellent(EU)  
 17810 MALAGASY RN-Talata; 1440 EE, "Concert Hall" and "Studio Drop-By" mx px(DWW)  
 1400 EE, Happy Station to SEA, poor-fair(RZ) \*1400-1430+ EE(BLC)  
 17810 PHILIPPINES FEBC 0150-0200 rel px, hymns, ID, next nite not audible(JDT)  
 17815 BRAZIL R.Cultura, São Paulo; \*0058-0145 guitar mx, PP(EU)  
 17815 CUBA RHC; 2110 FF to Medit, //17855, both RFQC. So, whole sked to Medit might  
 be 1700-2140, //17855(BB)  
 17820 CANADA RCI; 1600-1615 Czech nx & cmtry to Bur(HEF)  
 17820t TURKEY Ankara in lang, chanting, no ID, good lvl; hrd before this fgy(HST)  
 17825 NORWAY RN; 1258-1430, 1656-1830, 1856-1930 EE ID at s/on of NN px(EU) English  
 1400-1430 Sunday(BLC)  
 17830 NETHERLANDS RN; 1830-1950 EE to W.Afr, QC VPS(varies from published sked)  
 which lists 17750L. Is //15350L, 15375B(BB) Hmm, wondered what that n.a.m.(DF)  
 17830 SWITZERLAND SBC; 1315-1515 to SEA, QC ex 17885, //11870, 21520(BB)  
 17855 CHINA R.Peking; 0102 English, cmtry(RP) 0105 EE, appears //17715(SWE)  
 17860 MALAYSIA BBC-Tebrau; 0000 EE nx, fair(RZ)  
 17860 BELGIUM RTB; \*1755 w/drums IS, FF nx, mx, to 1900(EU)  
 17880 JAPAN NHK; 0100-0115 EE, Asian nx(PP) 0300 EE nx to Asia(RZ)  
 17885 ECUADOR HCJB; 2345-0015 Chinese to FE, //11845, QC(BB)  
 17890 TAIWAN VoFC; 0200 EE nx, very poor(RZ)  
 17895 VATICAN VR; \*1620 English to Africa, seems daily(PR) Thanks for sked(LM)  
 17935 BANGLADESH RB; \*1230-1300 EE nx, mx, good(BLC) \*1230 EE nx, cmtry(ENR) 1215  
 EE nx, fair, finally got it(WGT)  
 21460 BELGIUM RTB; 1525 t/i FF, record, closing amnts for FF Afr Svc(RBO)1500-1530  
 s/off, to Belgians in Europe(RZ)  
 21480 MALAGASY RN Talata; 1100-1220 Indonesian, 1230-1350 Dutch to SEA(BB)  
 21495 SWEDEN R.Sweden; 1400-1530 to ECNA, QC ex 17815, excellent(BB)  
 21495 PORTUGAL RP; 1807 PP mx(ENR)  
 21540 E.GERMANY RFI; GG to S.As. 1245-1330(BB)  
 21560 ENGLAND BBC into World Svc 1100, recent NF this svc(BP-Pac)  
 21570 NETH ANTILLES RN-B; 1700-1820 Dutch to Afr, QC, varies from published sked  
 which lists 17895B(BB)  
 21580 SWITZERLAND SEC, 1530 EE talk, ID(HST)  
 21605 FINLAND OYA testing here 1400-1830 w/new EE, hrd 1400, 1 kw(BB)  
 21655 NORWAY RN; 1655 IS, NN/EE IDs, then VoA got 'em from 5 kHz up. Possibly //  
 21730; good lvl, no noise(ECS)  
 21675 FRANCE ORTF; 1700 FF pop mx & FF talks, ID(HST)  
 21690 LIBERIA VoA-Mva; PP to Brazil here 1010, mixed Stockholm, clear 1030 when  
 latter s/off; possibly ex 9520, now gone(BP-Pac)  
 21705 AUSTRIA OR believed the weak stn here 1000-1200(German to ANZ) under local  
 noise; would be QC ex 21585, and would vary from published sked which lists  
 21540(BB)  
 21740 AUSTRALIA RS \*0055-0159\*, EE nx, mx, cmtry(LMN)  
 25620 NETHERLANDS RN-Lopik; 1100-1220 Dutch to W.Australia, band opens around 1215  
 (BB)  
 25730 NORWAY RN; 1100-1230 Norwegian to ME; QC, added 11 meters for this time slot  
 (BB)

\*\*\*\*\*  
 Thanks to Kris Lemna who helped out with the "lower third" this time. And thanks also  
 to Larry Magne who so ably handled Log Report chores for some months. As one who  
 has been involved in doing the Log Report for a number of years, I well understand  
 the reasons for having to resign, Larry. The job has been the roughest in NASWA.(DF)  
 \*\*\*\*\*  
 As mentioned on page LR-1, all future reports to the LOG REPORT should be sent to the  
 headquarters address, marked "LR" or "Log Report" in the lower left corner of the  
 envelope. The new set-up will not require near so much time each month for each editor,  
 and should, therefore, eliminate the problems we have had in the past couple of years  
 in keeping the LR post filled. (DF)

CREDITS - those who did the listening and shared what they heard.

AAM Albert Miller, Ohio/HRO-500  
 AEM A.E. Martin, England/AR88D  
 ARN Al Niblack, Ind/SX100, HQ200  
 BB Bill Berghammer, NY/SP600  
 BLC Bob Carlsen, Ohio/SX190  
 BP Bob Padula, Australia/CRL00  
 CAW Craig Wicks, Miss./DX150A  
 CP Pat Patterson, GA/ SX99  
 DAR Donald Rydell, NY/DX150A  
 DCJ Don Johnson, CA/  
 DEG Don Griffith, CO/R4B  
 DEM Dave Megey, NJ/  
 DLS Daniel Srebnick,  
 DW Dave Williams, OR/75S3C/SPR4  
 DWW David Whaley, CA/SW4A  
 ECS Ed Shaw, VA/SX190  
 EH Eric Herson, Ohio/SX110  
 EL Ernst Lohe, VA/R4B  
 ENR Ed Ricchezza, PA SW4A  
 EU Errol Urbelis, NY SX43  
 FH Fred Heutte, DC/HQ129X  
 GH Glenn Hauser, TX/HQ160  
 GLD Gerry Dexter, WI/HQ180/R4B  
 GW Glenn Window, Quebec/SW4A  
 HM Hank Michalenska, RI/  
 HP Harold Peters, SC/SX190  
 HRB Bob Bundy, TRUK/SPR4  
 HST Howard Stevens, MI/DX150A  
 HEF Henry Fino, NY/RCA All Band  
 JDT John Tuchscherer, WI/HQ100A  
 JER Jim Roberts, Manitoba/  
 JPR Jim Ronda, Ohio/ SW4A  
 JGH Jim Hagen, VA/R390  
 KWB Kyle Bittle, MD  
 LKM Larry Marshall, CA/SX190  
 LM Larry Magne, PA/R4B  
 LMN Larry Nebron, CA/DX150A  
 MM Mildred Marshall, ND/SX122  
 MN Mike Nikolich, IL/SX190  
 MSL Mark Lucas,  
 MWI Mike Wiseberg, Ontario/SX190  
 NAP Neal Perdue, TN/SW4A  
 PP Paul Palmer, LA/SX190  
 PR Peter Romeika, MD/  
 RBO R.B. Odlin, WA/R4B  
 RCR Robert Rippele, VA/SX190  
 RFB Robert Bruce, Scotland/Eddy 830/7  
 RHX Rob Harrington, CO/SW4A  
 RWP Ralph Perry, IL/SX100  
 RZ Robert Zilmer, WI/SPR4  
 SDA Steve d'Adolf, NJ/  
 SK Steve Kamp, CA/HQ140X  
 SLB Sam Barto, CT/Super Pro  
 SR Scott Reeves, MD/S-125  
 SRD Scott Dickson, CA/SW4A  
 SWE S.W. Eichenhorn, MI/  
 WGT Walt Trkula, PA SPR4

Thank you!!!

KENTON RECORDS NATIONAL ANTHEMS Gerry Dexter sends word that Creative World has released an album entitled NATIONAL ANTHEMS OF THE WORLD(ST1060), with national anthems of 38 countries. Gerry says from the samples he's heard in concert they are easily recognizable. Cost is \$10, 2 LPs, 8 track or cassette. Try your local supplier, but please don't order from HQP, as we do not have them. Should be useful to the DXer....A run-down of the countries covered: France, Germany, England, China, Soviet Union, Burma, Korea, Ghana, Guinea Israel, Hungary, Chile, Peru, Venezuela.

Denmark, Sweden, Norway, Finland, Iceland, Greece, Switzerland, Taiwan, Poland, Portugal, India, Wales, Spain, Austria, Italy, Canada, Bulgaria, Luxembourg, Czechoslovakia, Belgium, Japan, United States.

\*\*\*\*\*  
 NOTE from John Campbell, England, says that the Dutch pirate WORLD MUSIC RADIO tests 1500-1700 GMT Sundays(some Sundays), with 45 watts, on 15050 kHz....They have just said that they intend to start "regular"(presumably Sundays only, like 6250) broadcasts there early in December, & increase power to 100 watts. This may be of some interest to NA listeners: (John Campbell) Sure is(DF) John also quotes regular schedule on 6250 (45-60 watts) as 0900-1300 Sundays. 0900-1200 English, 1200-1300 Dutch.

\*\*\*\*\*  
CLANDESTINE/PIRATE SCDX #1202 quotes one Steve Allan of England as saying that Radio Atlantis South has changed its name to Radio London International. Said to be on the air most Sundays 1100-1300 GMT. Changed freq from 6290 to 6255 kHz.

\*\*\*\*\*  
SIZER ELECTED TO HEAD UPI GROUP IN CONN.  
 NASWA SWC Editor Al Sizer, also News Editor for the New Haven Register, has been elected president of the United Press International (UPI) Newspapers Association of Connecticut. (From the New Haven Register)  
 Our congratulations to Al on election to this post!!

\*\*\*\*\*  
 The WORLD RADIO TV HANDBOOK is the standard reference source for DXing. The 1973 edition, the 27th annual edition, will soon be available. It will contain information on the schedules, addresses, QSL policies, frequencies, power, the interval signal, feature articles. NASWA members can get a discount price on this book by ordering now. Only \$5.95(regular \$6.95) if your order now. Order from NASWA, Box 8452, S.Charleston, WV 25303. Checks/Money Orders payable to NASWA. Include Zip Code! Save money! Buy WRTH through NASWA: DEADLINE December 22!

# LISTENER'S Notebook!

Dan Ferguson  
1521 Smith Road, Apt. 7  
Charleston, W.Va. 25314  
U. S. A.  
Phone: (304) 346-5738  
Deadline: 18th of month



## North American Short Wave Association

NASWA STATIONERY It should really be announced in the HDQ section, but this is the last section being typed this month, and with a supply of NASWA stationery now on hand, we'll mention it here. The NASWA letterhead is printed on quality 16 lb (for overseas airmail) paper, color is bright blue. Cost is only US\$1.25 for 50 sheets, delivered by third class mail in NA. Or, you may order 100 sheets for only US\$2.25. Order from NASWA HDQ. (The design of the letterhead is shown here.)

LATE OPERATION! Remember that many stations in Latin America, and some elsewhere, will be on the air late Christmas Eve, also New Year's Eve. So, if you have the chance, checks of bands occupied by LA stations (90, 60, 49 meters, primarily) may well reward you with some new catches. One to watch carefully is 4788 kHz, where you may find Turks Island Radio operating Christmas Eve. They have been there in the past and are certainly worth checking out. (And if you hear any of these rare ones, you can phone late flashes to the above phone number if you wish.)

DXpeditions Ed Shaw, Martin Imbert, Russel Lay and ye editor spend the weekend of the weekend of the 18th November on a farm in southern West Virginia. Facilities were considerably better than for our trip in early October. We had a refrigerator, electric range, and the familiar wood burning stove. With plenty of room this time, the receivers were being used most of the time. Some listened while others slept.

The evening of the 17th ye ed made the horrifying discovery that he had left the oscillator tube out of his receiver when working on it the night before. And being several miles from even the smallest community, and the time being late, there was no way to replace it that evening. So I had the privilege of stoking the fire and watching as the DX rolled in for the others! Things were corrected the next day, however, as a trip back to Charleston to teach a Sat AM class provided the opportunity to pick up the tube.

Arrival Friday evening was rather late, so only makeshift antennas were up that night. Saturday better antennas were installed, among them the 500 foot longwire that proved useful Sunday morning in bringing in Portuguese Timor on 3668 kHz, the prize catch of the weekend.

Ed Shaw and ye ed plan to be there again the 16th through the 21st of December. The additional time should provide numerous DX catches. And even if conditions turn out to be dead, a DXpedition is still a lot of fun. Try it sometime!...Now where is my helium balloon & 3000 feet of wire?

GIVE A FRIEND A NASWA MEMBERSHIP FOR CHRISTMAS!!! NASWA'S FRENEX - THE SWBC JOURNAL



## FLASHSHEET

FREQ: KCS

TIME: GMT

AL NIBLACK, EDITOR

420 SHELBY STREET

VINCENNES, IND. 47591

AFARS & ISSAS QSL folder from Djibouti, two weeks for FF rpt and 3 IRCs for reception during Ramadan, 2215-2230. (Ralph Perry, Ill.) (4780)

ALGERIA RTVA, Algiers, observed drifting to 7268, 0045 AA chants. (Ralph Perry)

AUSTRALIA Darwin Relay, 17870, new fgy EE, 0400-0800 listed. (August Balbi, Calif.)

...ABC, Brisbane, 9660, heard at 0800, EE, good lvl. (Bob Carlsen, Ohio)

BANGLADESH 15520 RB, Dacca, 0000-0100, talk in lingo, vy good lvl. (Ken Swatkoff, ...17935V, RB, EE 1230-1300, fair to good lvl. (Bob Carlsen) / Canada)

BRAZIL 3256 (TEXT) R. Clube Marilia with prgm of sports after Venezuelan S/off-- references to Sao Paulo. (Marlin Field, Mich.)

CAMEROON 4972.4 Yaounde in FF at 2154; had to dig out signal. (Robert Bippel, Va.)

CHINA 5900 Fukien Front Station good with stern YL in CG, 1255. (Ralph Perry)...  
RF heard on new fgy of 11945 from 0100 in EE news, cmtry. (Paul Palmer, La.)

COLOMBIA (FLASH) 4749 Cadena Nacional from 0045 to 0205 closing, SS, native music, bank ad, nice. (John Tuchscherer, Wisc.) (Se, that's who is on the spot, Editor)...  
4865 LV del Cinaruco from 0405-0500, music, news, TCs, and IDs. (Marlin Field)

COMORO 7260 (TEXT) ORTF, Moroni with Islamic chant under QRM, vy poor. (Ralph Perry)

CONGO 4765 RTV Conolaise good lvl 0445 in FF, drums and chants. (Jon Williams, Ind.)

CUBA 11930 RHC, 0215, heard with, "Voice of Vietnam", prgm. (Marty Austin, Conn.)

ECUADOR 4923 R. Quito logged from 2340 with sports prgm, SS. (Marlin Field)

DOMINICAN REP 9505 HISD S/on 1000(WRTVH says 1100, not so.), SS, good lvl. (Bill)

ECUADOR (Please excuse the boo-boo listing, my prior insertion of Ecuador, Pasche, Wisc.)  
Editor) 3390 R. Zaracay fair at 0420 in native music. (Jon Williams)...R. Cemit indeed on 4772, superb sigs 0417-0427 with many clear IDs, Ecuadorian guitar, closing annets, "...muchas gracias y muy buenas dias..." (Ralph Perry)...4900 La Voz de Saquisilí, with native music and ID to 0303 S/off as, "LV de Saquisilí y R. Libertador". (Ernie Behr, Canada)...4930 Casa de la Cultura with ID 0400. much QRM de R.Mil (Marlin Field)

ETHIOPIA 15190 EFLF, RVof the Gospel, observed 1340, poor lvl, QRM. (Marty Austin)

FINLAND 9585 \*0300-0330\*, Porl, with EE news, music, easy listening lvl. (Ken Swatkoff)...9585 OIX2, EE news now at 0300, one hour later than previously. (August Balbi) ...15185 RF, 1400-1430, very good reception, no pain, no strain. (Marty Austin)

GALAPAGOS IS (ECUADOR) (FLASH - FLASH) LV de Galapagos is now on 3521, noted from 0345 with piano music; 0400 clear SS ID, off with anthem. ID was 100%. And, in a letter just in, station has full-data QSL card and pennant. Signer is Jorge Narvaez, who is a geography teacher at the Franciscan missionary school. He writes in EE and is eager to correspond about geography and life in other countries. (Ernie Behr) (Vy good, from your tip I immediately got a logging and sent report, Editor)...Station monitored several evenings on 3520, finally Ided 11/15, 0357 S/off as, "Rdif. LV de Galapagos, HCVC8"; anncing this fgy only, gave TC in CST, FLASHES Glenn Hauser, Tex...

GUATEMALA 4835 A new outlet with good signals 11/16, marimba music, SS, with call letters seemingly of, "TGEZ"; said was initial transmission, asking for reports, S/off varies 0000A; to 0010A, checks show. (Al Niblack, Ind.)...2360 R. Maya good at 1115 with religious music, ID at 1130. (Jon Williams)

HONDURAS (BR) 3300 R. Belize in EE with S/off 0222; was airing Chuck Barry music. (Steve Dildine, Va.)...RB, 3300, good at 0030 with EE ID. (Jon Williams)...3299 RB heard from 0000-0038, 11/16, SS and EE, ads, music, no strain. (Al Miller, Ohio)

INDIA AIR, 11810, found with EE news at 1330, good copy lvl. (Bob Carlsen)

ISRAEL IBA, Jerusalem, has been noted on old 9009, 2035-2115 EE, lately. Watch for arnot for extended prgm on Christmas Eve, around 2200 S/on. (Ed Insinger, N.J.)...IBA also on 9625 in EE 2035. Later into FF. 11900 was used for a few days. (August Balbi)

ITALY (SICILY) 6060 Presumed is still Caltanissetta, not Rome as listed in one place in WRTVH. 0600-0625, when RHC is off. News (I believe) and music. (Marlin Field) (As I recall, I never have heard a local ID for this relay, Editor)

IVORY COAST Radio Abidjan heard 1900-1958 in EE on 11920, nicely. (Bob Carlsen)

JAPAN 5990 NHK, \*0800-0830\*, \*1400-1430\*, with General Svc, excellent lvl, NF. (Ken Swatkoff)...NHK, 5990 new, 0800-1830, replacing 9505, General Svc, EE & JJ (August Balbi)...15445 0045 EE N.A. Svc, anncd new 11800 in leui of former 17825 (Bill Pasche) ...Radio Japan anncs new fgys for N.A. Svc, 2345-0045, 11800 and 15445 (Bob Carlsen)

PLEASE TURN OVER

**LIBERIA** 15095 ELWA in AA at 1615 S/on with IS. (Robert Rippel)  
**MALDIVES** (FLASH - FLASH) (TENT) Lt. Bruce Churchill, Calif., land-lines just before press time of a 4740 logging, from 1517 to 1525, of YL & OM annors in EE, with a possible entry, could be Male. (Bruce hope you can nail this one, and QSL, Editor)  
**MALI** 4787 This one logged two days here, instead of nominal 4783, 0640-0702. (Steve NSEH ANTILLES 6005 New fgy, \*0500-0620\*, EE to WCNA. (Ken Swatkoff) / d'Adolf, N.J.)  
**NEW HEBRIDES** (FLASH) (TENT) R. Vila, 3945 at 0837, man in FF talk; S/off at 0900, severe QRM de ARO, RITY, and NSB. Used notch, LSB, lotsa patience. (Ralph Perry)  
**PAKISTAN** 15520V RE, 1800-1830\*. EE news and music, poor to fair lvl. (Ken Swatkoff)  
**PAPUA/NG** (FLASH) According to information just in, a new station, Radio Northern District, P.O. Box 137, Popondetta, is scheduled to operate 2468, 0800-1000, pwr of 2kw. (Hiro Matsuura, Japan)...R. Milne Bay, 3360, fair lvl 1200, Melanesian music and Pidgin. (Jon Williams)...ABC, Port Moresby, 0730-0800\*, 9520, with EE, fair. (Bob Carl-  
**PERU** 4975 R. del Pacifico, at around 0000, bits and pieces audible. Tent- / sen) ative EE ID at 0008. Poor, RITY everywhere. (Ed Insinger) (Amen, Editor)...4935 R. Tropical with clear ID 0354, guitar solos, SS. (Ralph Perry)  
**SAUDI ARABIA** 11855 Djeddah until 1930 with EE, music, thats it, as Bucharest S/on (Rob-  
**SEYCHELLES** 11955 FEBA, 1700-1730 Farsi, 1730-1800 EE. (Bob Carlsen) / ert Rippel)  
**SHRI LANKA** 11724 CeBc heard with ID and IS at 0130, then back to the Bible Prgm, poor to fair, new fgy. (Paul Palmer)...11724V R. Ceylon, 0030 music, good on this new fgy says Ernie Behr...CeBc, 9720, heard at 0200 with BEC News. (Ken Swatkoff)  
**TAHITI** QSL in from Papeete. Very nice mermaid card. This was my 4th try! (Ed Insinger)  
**TAIWAN** VOFC on new 9510, FF 1700, EE 1800, powerful signals. (August Balbi)...VOFC S/on 0200 in EE on 1770. (Bob Carlsen)  
**TIMOR** (FLASH) Happy Daze! Dili heard 11/17, from 1240-1258 when local QRM got 'em, 3668, must be more than 1kw! (John Tuchscherer)...Dili, 3668, heard from 1417 tune, to 1500 S/off, PP music and pops, PP, 1 gong. (Bruce Churchill)...This one, Dili, 3668, logged from tuning 1414, to 1501 S/off with "AP", at solid Sugar 7 lvl, all PP. Must have upped power. (Jim Young, Calif.)... (No problem in Ind., vy probably more power, Editor)...Dili, 3668, fair/good at 1230 PP, slight UTE QRM. (Ralph Perry)... Tentatively Timor at 1250, 11/12, music and lang, on 3668, noise. (Jon Williams)  
**TURKEY** Voice of Meteorology, 6900, list 2.5kw, respectable sigs now from IS and S/on at 0458A. Opens with YL TT ID, WR(of course), native stringed music. (Ralph Perry sez) ...Voice of Turkey from 2200-2230 in EE, now on 11880. (Bob Carlsen)...11880 replaces 15195/9510, with EE 2200. (August Balbi)  
**USSR** Petrosavodsk(list), 4780, from 0425 with light music, M&W annors, pips 0500 (John Tuchscherer)...5040 Tbilisi, GEORGIAN SSR, fair with organ music RR talk 0210, severe QRM. (Ralph Perry)...R. Tashkent, UZBEK SSR, 6025, 1400-1428 S/off, EE prgm, on new fgy, //9600, 11925. Clears 6040 for Dubai. (Ernie Behr)...Tentative ID for R. Ashkhabad (TURKMAN SSR) on 15188, at 1700, with musical IS played on possibly a ducimer, then language till 1732A, at fair lvl. (Paul Palmer)  
**UGANDA** Tentatively R. Uganda, 5026, down in the mud at 0320 check. (Ralph Perry)  
**VENEZUELA** 4760 R. Frontera noted 11/12, 0318 with SS ID, weak lvl. (Marlin Field)  
**VIETNAM(N)** VoV in EE, "For American GIs involved in the Indochina War", heard 1300-1330 on 15018A, good signals. (Ed Insinger)  
**UNIDENTIFIED: NIGERIA?** Music with chanting after 2230. IF NBC, Maiduguri, is now on 4900, then who is this I am hearing on 6100 currently? (Marlin Field)...5042 Station uncng as, "Radio Libertad", logged 0300 past 0500, Who? (Ernie Behr) (New Eoudorian (5042), heard with seeming ID of, Radio Libertad de Jumin. (Bill Sparks, via Don Jensen, Wisc.)  
**CLANDESTINE** 7216 V. of Patr Militiamen's Front, fair from 1400 in VV, // 9430 in QRM, but audible. (Ernie Behr)...11695 Peyk-e-Iran, 1510 Farsi; reports to QTH of, Box 4176, Stockholm 4, Sweden. (Robert Rippel)  
**ERRATUM: COLOMBIA** (Please see last FS) This is definitely Ondas del Darien. Not Ecos de Pasto, as I edited it. Don't blame John Tuchscherer, blame your Editor! (6085)  
**OCT 1972: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY** 11-4-72: 1-70, 2-65, 3-73, 4-73, 5-67, 6-57, 7-54, 8-52, 9-30, 10-24, 11-26, 12-16, 13-14, 14-8, 15-14, 16-34, 17-30, 18-28, 19-44, 20-45, 21-53, 22-63, 23-56, 24-81, 25-91, 26-95, 27-103, 28-48, 29-65, 30-90, 31-84. MEAN=54.8 PREDICTED: DEC-52 JAN-50 FEB-47 MAR-45 APR-43 (Friend Grady Ferguson, S.C.)  
**ACKNOWLEDGEMENT: THANKS** to all those who so ably assisted this month and through the last 6 years::: **CHANGING OF THE ORDER:** Publishing Editor Dan Ferguson has asked me to assist with the monthly Log Report Column. Henceforth, I will greet you each month in this new position. **Hear this please,** send all loggings to HQ from now on, whence they will be distributed.

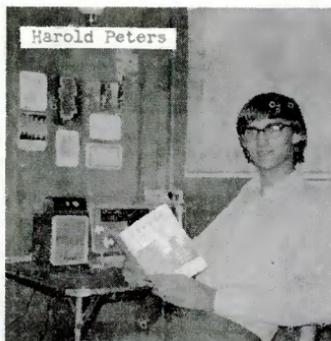
I will continue to answer questions in re receivers and accessories, so on. just send SASE. And phone calls to 882-3976 after 2200 GMT, will be answered, same as usual.

**HAPPY HOLIDAYS**

Vy 73, AL



Al Reynolds



Harold Peters



Frank Orcutt



Jim Ronda



John Burns



Corky Webb



Bruce Greene

A  
Very  
Merry  
Christmas  
and a  
Happy  
New Year  
to you all



John Greamer

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COVER PHOTO Radio México, XERMX, tx  
site at Calzada México-Tulyehualco  
km 17 in the D.F....One tall tower,  
three rotatable log periodics.  
(Photo by Gregg Calkin)

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