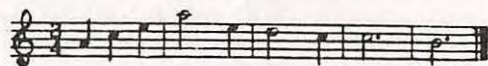


# FRENDX



### A LETTER TO THE MEMBERSHIP

Dear Friends:

We have an important announcement to make to the membership regarding some recent changes in the NASWA management which we would like to explain at this time.

A few weeks ago, I advised the NASWA Executive Council that after six years as NASWA's Executive Director, I felt the time had come for me to turn over the main responsibility of running the club's affairs to someone else. At that same time, I made a recommendation and proposal to the Executive Council which I felt would assure the club's interests would be continued in a responsible manner.

My proposal was that, since the club membership had grown considerably during the past few years and the work load increasing proportionally, that we establish two main areas of club management responsibility. One area would have to do exclusively with administrative matters relating to club policy and the like. The other area of responsibility would be for the handling of the many detail necessary to keep the club going.

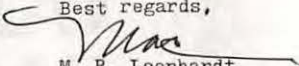
I was pleased that the NASWA Executive Council unanimously approved and accepted my proposal, so as of May 1, 1981 the official HQ address for the North American Shortwave Association was changed to 45 Wildflower, Levittown, Pennsylvania with William E. Oliver assuming the position of NASWA's Executive Director. As most reading this will realize, Bill has been the NASWA publisher, and he will continue as publisher in addition to his new role as the club's Executive Director. All matters relating to club policy and administrative matters will be handled by Bill Oliver and those wishing to communicate on matters in this area should direct them to him at the Levittown address.

Although the Levittown address is now the HQ address, the former Liberty, Indiana address will remain active in NASWA matters since all matters, other than administrative will continue to be handled from P.O. Box 13, Liberty, Indiana 47353. This will include processing new members, renewals and address changes, filling orders for supplies, etc. In other words, the Liberty, IN NASWA address should continue to be used for all matters dealing with routine business matters the membership may have that do not require administrative attention.

Since this is my last "Headquarters Report" as NASWA's Executive Director, and the last one from Liberty, Indiana, I would like to say that I have enjoyed serving as NASWA's ED for these past six years. I am glad that I am able to continue working for NASWA as the new "Business Manager" for a while longer. I am grateful that Bill Oliver was willing to take on the extra work since I know he is very capable of handling the executive duties, and I am sure he may have some fresh ideas of his own which will make for a better group as a whole.

Finally, I would like to apologize to the many who may have written at some point in time expecting a prompt reply, but did not always get one. Also a special thanks to the many who have helped over the years as an editor or have served FRENEX/Update in some capacity. I have appreciated the kind words many have taken time to pass along to let us know our efforts are appreciated. It made the work easier many times.

Best regards,



M. R. Leonhardt

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# shortwave

## CENTER

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MAY 1981 EDITION

El Cheeso: John J. Moritz Jr., 4779 Pine Trace, Youngstown, Ohio 44515

Hola! Another good mixture of material this month. If your contribution to SWC does not immediately make it into print please do not despair. We are running behind on getting material on hand here into print. Please be patient and please keep those cards and letters flowing! Congratulations to Al Sizer, who recently retired as Associate Editor of the North Haven Register, after a long and illustrious career. Al will be doing some freelancing, some part-time work at the Register, and continue to hold down his mini-section in SWC. My personal wishes to Al for a long, happy, and healthy retirement! Now, on to this month's fine features.

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### MY MOST PRIZED QSL by Dr. Richard E. Wood

My most-prized QSL takes me back to my student days at Cambridge University, two decades ago, shortly after I began DXing.

To the best of my knowledge it is unique, the only short wave verification issued by a station which operated on short waves for only a week and which was never reported by any other listener; in fact, the station, though licensed, did not have permission to operate on short waves. Few, however, would put it in the "pirate" category, since it was and is a legal station, listed in WRTH.

In 1960, I began my undergraduate studies in the hallowed halls of Trinity Hall, Cambridge, founded in 1350 A.D. In the basement of the oldest part of the college--a dungeon-like cellar which had been converted into a laundromat, I was doing my washing and tuning around the short wave bands. There, at noon local time, the same as GMT, I came across a Spanish soap opera, a play whose name I will never forget--"Noche tropical." It was not nighttime, and the station proved not to be a tropical one, but an exotic rarity nonetheless. When ID time came, it proved to be--Radio Juventud de Ribadavia, from a town of 7000 inhabitants ten miles north of the Portuguese border, in northeast Spain. It was listed as operating only on 1250 kHz in the medium wave band.

When the verification letter came, it was polite, enthusiastic and specific, but it asked me not to report the station's operation on short waves to the Spanish government. It pointed out that domestic short wave transmission had recently been terminated by the Spanish administration, and that all stations were empowered to use medium wave only, except for Radio Nacional de Espana in Madrid. Radio Juventud de Ribadavia's medium-wave transmitter had broken down, and rather than go silent, it had operated for a week on short wave. Though it did not specify, I presume that it had borrowed a fourty meter amateur transmitter.

For me, the verification of Radio Juventud de Ribadavia was more than a rarity. It was the marker of the end of an era in lively shortwave listening, when many independent stations in Spain, Greece, Portugal, Morocco and similar countries were on the air. Those still on the air in Spain at the time when I began DXing were La Voz del Mediterraneo in Valencia; La Voz de la Isla de la Palma--all memories of an age when political, governmental stations did not dominate the bands as they do today.

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### PIRATE COMMITTEE VOTE

It is with a mixture of perplexion and dismay that I report to you the vote I asked for a couple months ago on whether Frenx should set up a pirate committee, based upon John Campbell's suggestions in these pages. For the record a total of 27 people voted. A total of 8 were for establishing a committee. A total of 19 were against such an action. Thus, no proposal will be sent to the Executive Council for its consideration. Things will continue as they have been in the pages of Frenx. A rather dismal turnout in a membership of over 2000.

USING THE WORLD RADIO AND TV HANDBOOK

by  
Jerry Berg  
38 Eastern Ave.  
Lexington, MA 02173

Most of us would agree with veteran DXer Al Sizer's comments in his October 1980 "It Sounds to Me" column regarding the cost of the World Radio and TV Handbook (WRTH). It sold for \$2.50 when I bought my first copy in 1958. But most of us will pony up each year on the theory that the only thing more costly than the WRTH is DXing without one. Here are some thoughts on how to use but not abuse your investment.

There are three main areas where the Handbook can be of help: (1) locating a particular station or program that you wish to hear, (2) identifying a station that you have heard, and (3) obtaining QSL's.

(1) The WRTH is at its best in helping you hear the large, international broadcasting stations. The information on times, frequencies, languages and target areas of these stations is handy to use and certainly makes easier the tuning of the higher powered outlets that beam to your area. Digital readout and the WRTH make a pretty effective combination for this kind of shortwave globe hopping. It should be remembered, however, that shortwave broadcasters change time and--especially--frequencies fairly often, and thus the information in the WRTH can become dated rather quickly. Still, much of the WRTH information on international broadcasters has a fairly long life. Supplemented with updated information from the WRTH Newsletter, club bulletins, other hobby publications and DX programs, much of the WRTH data on these stations will serve you well throughout the year.

(2) If the station you are seeking is less powerful, or far distant, or is broadcasting for a local audience (often in a language other than English)--in short, if the station is more of a DX station--things become more complicated. You just aren't going to hear the English news from Jordan or Afghanistan the same way you receive Australia or Germany, regardless of location or equipment or the WRTH. Nevertheless, the WRTH can be helpful in telling you where and when to listen and in increasing the chances that you will hear the station you are after. Once you are on the right frequency at the right time, however, identifying the station you are looking for is up to you.

It is in this area--the identification of stations--that the usefulness of the WRTH is most dependent on the abilities of the user. The newcomer will tend to draw conclusions based on the frequency listings at the back of the Handbook. The experienced listener will consider the WRTH listings as only one piece of the identification puzzle, and will rely far more on other factors that are based in his or her own experience at the dials. If I may quote from Guidelines for DXing, written by Kent Corson, Dan Ferguson, Don Jensen and yours truly and published in the September, 1978 "Shortwave Center":

To be carefully avoided is a practice called "list logging." List logging is the habit of concluding and reporting that one has heard a particular station when that conclusion is based mostly on the fact that the station is, according to a list (like the WRTH), supposedly operating at the time and place heard. A list logger proceeds on the wrong assumption that because station X is supposed to be operating on a particular frequency at a particular time, and because he heard a station on that frequency at that time, it must be station X he heard.

List logging is mainly the product of the DXer's desire to hear a particular station. He wants to hear station X, so he concludes he has heard it, even though other possibilities are more likely. Wishful thinking has led him to "identify" the station principally by the fact that the station is reported to be operating at the time and place of his logging.

List logging becomes progressively more hazardous as the list being relied upon ages. Thus the annual WRTH will normally be less accurate than a list which updates several times a year (such as the Danish Shortwave Clubs International "Tropical Bands Survey"), TBS may be less accurate than the lists in monthly bulletins, and so forth. Furthermore, stations move to new frequencies as well as from old ones. So a station heard on a given frequency may well be something not yet on any list, and even the most up to date listing of stations on a frequency may not indicate all the possibilities.

Identifying a station depends on much more than knowing who is supposed to be using a given frequency at a given time. To identify a station you should ask yourself questions like these:

1. From what area of the world are stations likely to be heard at this hour at your location?

2. Are you sure of your frequency? The farther off the mark you are here, the more difficult it will be to narrow the number of stations you might be hearing.

3. What have other DXers reported hearing at the time and on the frequency you are tuned to? Check past copies of FRENEX and other club bulletins.

4. What language is being used?

5. Does the signal have "polar flutter," indicating that it is coming over the pole?

6. Does a sign-on or sign-off make sense in terms of the morning or evening hours of the country you think you might be hearing?

7. Is the music indicative of any particular area?

8. Is the programming typical of certain areas or certain types of stations: commercial, English language programming; Spanish programming; religious program; etc.

9. Can you identify the country of origin of any anthem heard?

In some of these areas the WRTH can be helpful. It shows the language(s) used in each country, as well as identification texts and tuning signals. Often, however, the ID is different in whole or in part from that shown in the Handbook, and many of the smaller stations (including nearly all stations in Latin America) do not have ID texts shown at all. The WRTH is also helpful in describing tuning signals for some stations, but, again, many are not listed and, of course, many stations do not use tuning signals at all.

The point is this: the WRTH is helpful in providing information that may assist you in identifying a station, but you should not rely on the fact that a station is listed in the Handbook as operating on a given frequency to conclude that it is that station you have heard. The WRTH is just a starting place; it is after you have consulted the Handbook that the sleuthing really begins.

(3) Three Handbook items are pertinent to verifications: the station address, the list of leading station personalities ("L.P."), and the station's verification policy ("V").

The station addresses are one of the Handbook's most important features. Certainly the WRTH contains the most comprehensive listing of shortwave station addresses available.

Still, it is not necessarily the last word, and DXers should make regular reference to two other sources, the "QSL Address Book" by NASWA member Gerry Dexter (available from Gilfer) and the QSL section (and other sections) of FRENEX and other club bulletins and hobby publications. Club bulletins are particularly good sources of addresses of stations that have come on the air since the Handbook went to press, or addresses that might be "better" than those listed in the WRTH. (Sometimes, especially with Latin American stations, a report to the WRTH address will bring a reply that shows a new or different address. Sharing these new addresses with others via the hobby press will assist your fellow hobbyists and help enlarge the body of knowledge available on shortwave stations generally.)

The need to go beyond the Handbook is even greater with regard to the WRTH listing of leading personalities and the statements of station verification policies. Station personalities are included less for the benefit of the listener than for broadcasting organizations who may wish to communicate with their counterparts in other countries. Station personalities can change often, however, and, by and large, QSL columns and the Address book are better sources for the names of actual verification signers. The signer may be the Director, Manager or Chief Engineer of the station, or an announcer, secretary or assistant to someone. Many of these persons are not listed in the Handbook, especially for Latin American stations. Their names can be ascertained only by "reading other people's mail" and seeing who has actually signed verifications that other DXers have received. My own practice is to send my report to the station generally and not to a particular individual, unless I know that the individual is the regular verification signer or that he or she has shown some special interest in hearing from listeners. In either case, I would send the report to the individual only if I know that he or she has replied to reports recently. (I learned my lesson when I sent my umpteenth report to the supposed veri signer at Radio Bendel, Nigeria, only to have it returned by the post office, unopened, because the addressee no longer worked at the station.)

The statements of verification policy listed for stations in the WRTH can be helpful when the station has a definitive policy, such as Radio Canada International, Finland, Botswana, etc. On the other hand, such policies can change or be unevenly applied. Someone, somewhere will manage to verify Botswana, notwithstanding the current hard line. If a station's policy in the WRTH is to expect return postage with reports (ELWA, for instance) or to insist on a certain level of program details (Solomon Islands), by all means give them what they want. But, again, more definitive information can be had from club publications and the address book, which show how long the station takes to reply, the amount and kind of return postage (IRC's or mint stamps) that has brought replies, whether the station replies to English reports (or taped reports), and the kind of response--letter, QSL-card, pennant, etc.--that can be expected and, thus, requested. My recommendation: before you write your report, check the "QSL Address Book" and your FRENEX QSL columns for the last six months and follow the lead of others who have gotten results. But if no one seems to be receiving QSL's, send the report anyway. You might just be luckier than everyone else, and luck is important, too!

A final word about another area treated in the Handbook: shortwave propagation. There is probably no one more knowledgeable on the subject than WRTH author and former VOA and Radio Free Europe-Radio Liberty official George Jacobs, and his annual article on the most suitable broadcast bands for different hours and seasons is must background

reading. When you are actually sitting in front of your receiver, however, persistence is of infinitely greater value than an understanding of the technicalities of propagation. Once you understand the fundamentals of the darkness path and have a feel for the hours when different parts of the world can be received at your location, and you have taken the pledge never to leave your receiver when the A index is below 5, the rest is largely a matter of discipline, pursuing your most wanted DX targets day after day. More often than not, after suffering through countless frustrating nights (or mornings) of noise or QRM, your stick-to-it-iveness will eventually yield that rare catch. Those are the times when it all seems worth it, and the reason why we keep at it even after we seem to have heard "everything." In DXing, "everything" is always far enough out of reach to keep things interesting.

## IT SOUNDS TO ME!

BY AL SIZER, 22 COUNTRY WAY, NORTH HAVEN, CT 06473

One aspect of this hobby I love has always bothered me. Why is it virtually an all-male avocation?

Recently I went through the NASWA membership directory and out of about two thousand names I found 44 that I identified as female. Granted that I couldn't tell about the initials in some listings and that some names are ambiguous, it is still obvious that the percentage of women is appallingly low.

I picked 10 names at random and sent them the following letter:

"Dear Fellow Hobbyist:

"I'm taking the liberty of asking some DXers and SWLs who are also women for their views on a subject which I'd like to take up in a future FRENEX column.

"I'd like some opinions on why there aren't more women in the hobby and what can be done about it. Since I live and work in a society where women's roles are increasingly important, it bothers me to be engrossed in a hobby that is male-dominated.

"Perhaps it's because women are traditionally--although this is a chauvinist viewpoint, I guess--less technically minded than men and less interested in equipment, electronics and the like. (And have less time to waste, my wife adds.) Maybe not.

"But whatever the reasons, I'd like to know what you think about it and what the hobby can do to encourage more female participation. I'd love to hear from you.

Sincerely yours,  
Alvin V. Sizer"

I received seven interesting replies and will devote the rest of my space and the usual "feedback" page to excerpting the gist of their views.

From JOAN GLAUBERMAN, Chicago, IL.

"Why aren't there more women in shortwave? I can think of two reasons. First, like most Americans, they have never heard of the hobby and don't know what fun it is. Second, many of them assume it would be too 'hard' or 'technical'. (Also, perhaps too expensive. Surveys have shown women spend less money on hobbies than men do...perhaps because they have less to spend or different priorities.

"Maybe another way of attacking the problem is by looking at those women who are interested in shortwave and seeing what makes them different. Diane Levesque, for example, is clearly interested in electronics and not afraid of anything mechanical. There must be other gals like that around."

(The writer, who is herself a writer and editor, wife of a math professor and mother of two children, tells how SW receivers were owned by her uncle and mother and how she herself got "hooked" on the BBC while in England and wanted to continue to hear it when she came back to the U.S.)

"How to encourage more female participation? Give talks at local schools, showing them your radios, perhaps. Most people, men included, don't realize how easy to operate modern SW equipment is...and what there is out there to listen to. Anything that spreads 'the word' to people in general will get some women interested, especially since women nowadays are more likely to be working and have some money of their own.

"Part of the problem may lie with hobby clubs, as they are traditionally conceived. I've always been afraid that if I showed up at one I'd be the only woman...and probably the only person over 35, too. It's made me a bit reluctant to go, this feeling, although it's probably not rational."

From VERA M. CRABLE, Couer d'Alene, Idaho.

"I agree with your chauvinist (hi) viewpoint that women are not as technically minded as men YET. For generations women have been educated in the art of making a home for their husbands and children and haven't had time to concentrate on the art of technology. However, women are getting into the field more and more, especially the younger generation. I know how frustrating it is to study and absorb the finer points of electronics when any minute you will have to stop and get dinner, do laundry or the thousand one things that a homemaker is responsible for. In other words, I agree with your wife that most women do not have the time.

"As much as I hate to admit it (hi) I think it is up to the men to see that their wives become interested in 'armchair travel' and see to it that we women have time enough to enjoy the hobby. A women's page in the bulletins

too would help but so far this hasn't worked out too well. I certainly hope someone will come up with an excellent idea, much better than mine."

From MARJORIE E. WITTE, Torrance, CA.

"Feel quite sure that exposure is more the reason than anything else, as this hobby does not necessarily require a technical background. Particularly if one is purchasing equipment and hires others to put up the antennas. Of course, it is helpful to have common sense.

"For example, in following directions and at least have an inquiring mind once you acquire an interest in the hobby. I have a great deal of patience with people who truly want to learn but absolutely none with people who say they are too busy to learn or participate once they have joined. I also get very exasperated with some past club members who ask the same questions over and over again--never allowing the info to sink in. I joined a radio club hoping to avoid some of that and mainly because it is primarily dominated by men. And don't take it too quickly that I like to be dominated especially by anyone. Who does?"

(Marge goes on to tell of an extremely lively life that has included a career, hobbies and motherhood and says her "first experience with radio was building with a neighborhood boy a 'cat whisker and crystal deal' when she was 11. Her husband is an aerospace engineer.)

"I have bogged your mind with all this rhetoric but I don't think that there is much to be done except for membership to encourage the gals in their own lives to get interested. And after they do get some interested be a bit patient while they try to learn just like everyone else. No special favors...just no rudeness or unnecessary roughness. hi."

From MILDRED MARSHALL, Devil's Lake, N.D.

"I enjoy SWL very much. My son, Larry, was a member of NASWA when it was NASA in 1962. It was through him I became interested as he was always calling me into his room to hear some far off station. When he went into the Navy I decided I would join the club. In 1977 I became a member and have had lots of fun listening to foreign stations. Many times I take a SW set on our trips across the U.S.A. I like to hear the news directly from a foreign country and music and talks about life in other places.

"My knowledge of what makes a radio work or anything about antennas is nil. My husband, a retired electronics and industrial arts teacher, takes care of the equipment so I am lucky in that respect, especially since I use three antennas. I do not consider it a waste of time to DX."

From DIANE LEVESQUE, Marion, IL.

"Who said that any hobby is a male-dominated hobby? And what do you mean by 'this hobby'? If you refer to shortwave radio in general, there are an awful lot of women in it ... and this shows that the very nature of the question is narrowly-biased. Now if you were to ask the question, 'Why aren't there more women in NASWA?' or 'Why is NASWA so male-dominated?' then you'd be asking a question that would make a little more concrete sense."

Diane goes on to summarize an impressive mechanical-technical background. She has just completed a two-year degree in electronics, has rebuilt a 1963 Studebaker Lark and done odd jobs repairing everything from plumbing to small appliances. "So that shoots your theory about women not being technologically minded all to blithers, no?"

"I've run into lady hams, lady DXers and lady SWLs all over the place" relates Diane but outside of NASWA from which she recently resigned. So she says:

"Once again, I submit to you that you ask the wrong questions. The question that should be asked is 'Why does the current DX club format/ priority/dictates appeal to only a minority of men as compared to the healthy mixture of men and women who are independently active in the listening end of international broadcasting?'"

From SARA K. STILLMAN, NYC.

"I first became aware of 'short wave' in the early 1960s when my brother who traveled a lot showed me a portable Norelco which accompanied him everywhere. The idea of hearing distant countries fascinated me and I went out and got a Norelco."

The writer then tells of how she advanced in the hobby through the help of friendly NASWA leaders like the late Bill Eddings and Ed Shaw and now operates a SPR-4. She recently closed her office after 32 years and "am spending more time at the SPR-4s. Hardly a day passes that I am not at one of the machines."

"Lack of knowledge of mechanics/electronics needs not be a deterrent for a girl. I know nothing of such and have had lots of fun listening..Now the girls who are married doubtless have many more interesting to them things to

do, even if they have heard of SWling. And the single ones are doubtless more interested in dating than sitting alone at a radio.

"Do you think that articles such as Stew MacKenzie got in Time last month might make more ladies aware of the hobby? I was interested in it because, as far as I know, this is the first such piece ever published in either Time or Newsweek. More such publicity might be the answer--BUT, how does one get it?"

From MARJORIE BURNS, Melrose Park, IL.

"I would not presume to say that my opinions are necessarily the same as other females' or anyone else's in the hobby. Yet I will venture to say that possibly they are, so here goes.

"I got into the SW hobby when CB was at its peak but I knew that CB was not for me. But I did think, 'how nice to have a radio hobby!' So when I got a portable with some SW bands on it I found it fascinating to listen. At first I didn't get into QSLs etc. as I didn't care to get my feet wet so as to speak. So I would imagine that there are more women and others out there than we know about. I know several that are into various aspects of the SW hobby. Either an individual likes SW or doesn't. It makes for being well informed on global events and a better conversationalist."

Marjorie says that once listening schedules are established it is no more time consuming than any other hobby and points out that the average American watches about six hours to TV a day. An enthusiastic reader, she also finds SW enhances her reading interests.

"As far as encouraging more female participation, perhaps many become discouraged due to the misapprehension that one needs to be technically minded to participate. After all, there's something of interest for everyone on the SW bands and the aim of the broadcaster is to inform us on their customs, attitudes, affairs and conditions in the country they are broadcasting from."

There you have it and I'd be interested in getting some opinions from other women. I also think it is now the time to get some reaction from men. This is a problem I do not think the SW clubs have faced as they have some others, notably the HAP program for handicapped DXers.

Some important points have already come out from the above letters and I summarize them below:

1. There are probably many more SWLers and DXers in feminine ranks than we believe.
2. Women who have relatives interested in the hobby are more apt to get involved in SW than others.
3. Lack of mechanical and electronic aptitude/interest need not discourage a would be hobbyist. (In fact, many men are the same way.)
4. Some women do have such aptitudes/interests.
5. Helpful friends in the hobby can encourage women to become active.
6. THE CLUBS CAN DO MORE TO ENCOURAGE FEMALE MEMBERSHIP AND PARTICIPATION IN SW ACTIVITIES, ESPECIALLY BY WAY OF ATTENDANCE AT MEETINGS AND CONVENTIONS. SO HOW ABOUT IT?

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#### RANDOM THOUGHTS AND GRIPES FROM ALBERT A. MILLER

Why do Utes insist upon intruding into the 60 and 90 meter bands? With each passing year the numbers increase. It would seem there are plenty of frequencies available to them outside of the bands. Particularly annoying is the blaster on 4975. As a remedy I like the Laser System in Ralph Perry's dream shack.

Will Charlie Loudenboomer ever return to FRENDX?

To save my life I cannot understand an SIO of 243. How is it possible for the overall merit to be higher than one of the other components? If the Signal Strength is only 2 (poor) how can the Overall Merit be 3 (fair)?

# DX SMORGASBORD

Dan Ferguson, P. O. Box 8452, South Charleston, West Virginia 25303

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ON DXing: THE GUYANAS

The Guyanas form an interesting set of targets for the DXer. None of the three Guyanas broadcast an international service, so they are somewhat more difficult to hear than the big broadcasters like Moscow or Deutsche Welle. Still, they can be heard without too much difficulty and provide interesting listening.

## GUYANA

The WRTH will tell you that the principal language is English. What it doesn't tell you is that East Indians comprise more than half the population, which explains the Hindi music on Action Radio, the station presently active on shortwave from Georgetown. Pay no attention to the schedule given in WRTH-81. The station operates on 5950 kHz and signs on around 0714-0730, is usually best heard somewhere around 0830-0900 or later, and, in the winter, will often be heard past 1100.

Radio Demerara appears to continue to be on the inactive list.

## GUYANE (French)

FR 3, in Cayenne, is fairly well heard on 3385 and 4972 kHz with sign on around 0900-0930 in French. One recent report placed the s/on at 1000 on a Sunday. The 0100 s/off time listed in WRTH appears to hold most of the time. At one time the station normally ran to sign off about 0215. Note the recent log (4/81 Frendx) to 0500\*, apparently a special program.

## SURINAME

Radio Apintie, in Paramaribo, operates on 5006a, or 5010a, or 4794a, or XXXa, on a schedule that is consistent only in that it is as inconsistent as the choice of frequency. The most common time to hear the station in the morning is the 0830-0930 time slot. (That's morning? ) You'll hear them in EE and DD with EZL pops, Hindi music, etc. Note, though, that the population of 360,000 (per the South American Handbook) is more than one third Hindustanis, 50,000 Indonesians, 10,000 Chinese, and others. So one can expect a mix of programming.

The other station currently operating in Suriname on shortwave is Stichting Radio Omroep Suriname, known, of course, as "S.R.S." This one is heard on 4850 kHz evenings in the 2330-0430 time slot, as well as mornings sometimes after 0900.

Why the mix of languages in the Guyanas? Of course, the English, French, and Dutch languages were brought by settlers from England, France, and the Netherlands. The abolition of slavery in the 19th century created a need for laborers, who were brought from Asia and Indonesia, and who still speak their own languages among themselves.

## COORDINATED MONITORING EVENT (CME):

We had good participation in the coordinated monitoring events staged several years ago, and hope for the same again. A computer printed summary of the loggings of this CME will be available to participants for only the cost of postage: one business size (No.10) SASE with 18¢ postage will be sufficient in NA. 4 IRCs for overseas airmail, no envelope needed.

For this CME we'll concentrate on Venezuela. The object will be to put together the current operating schedules of the Venezuelan SW stations, including weekend variations from the weekday schedules. Please mail your observations to me as soon as possible after May 31. It will help if you include frequency, station, city, date (MM/DD), times noted and any other comments, such as s/on, s/off times, fade in or fade out times, type of programming usually noted on the station, verification signers if known, etc. In addition to the summary each participant will receive a certificate showing participation in the CME. The information will also be summarized in Frendx.... While information obtained from monitoring from now till the end of May will be most useful, notes on Venezuelan reception in recent weeks will also be of value.

73, Dan F.

## Shortwave Center Talks with Larry Magne About Equipment

(Editor's notes: Larry Magne really needs no introduction. A super dxer, who was recently voted DXer of the Year by ANARC, Larry is perhaps best known for his equipment reviews appearing in the WRTVH. His most recent, concerning SWL portables, has received rave reviews by the DX press at-large. It is an objective, straight forward and candid approach to just what is available these days, and how well it functions. However, he is also known for his work in *Frendx* of years past with the *Clandestine Bulletin* section, one of the more exciting and informative dx sections to ever grace the pages of any SW hobby publication. An intelligent, witty, and well-rounded individual, we went to him in search of some answers to various thoughts we had concerning the state of equipment in the SW hobby today. While our questions tended to be somewhat amateurish, Larry kindly blossomed out his answers to make us look better than we actually are! What develops is a very interesting interview, with some fine points in it for all to consider. We are grateful to Larry for taking time out from a busy schedule to help us out, and also for his work in WARC 79, where he unselfishly devoted many hours to some hard problems concerning the future of broadcasting in the world.)

**SWC:** Welcome to SWC, and thanks for helping us out! The natural place to begin is to ask you what you feel has been the most significant development in the field of shortwave radios during the past five years? I know you are going to say digital readout, but could you elaborate for us on it, and possibly get into the computer/memory bank rigs as well? Can things get even more sophisticated than they are now?

**Magne:** The most valuable development in the field of shortwave radio listening devices has been, in my opinion, the introduction and development of digital circuitry, including microprocessor circuits and digital readouts. Within the coming decade this may evolve to the point where ordinary laymen can purchase reasonably-priced radios that automatically find chosen stations and languages, then select for best reception. This could be accomplished via the aid of a "WRTH" on magnetic disc or card. Updated quarterly and inserted into the radio, the "WRTH" data bank would allow the microprocessor to operate in an up-to-date fashion with respect to spectrum occupancy and station schedules.

For example, a person wishing to hear English-language news from Israel keys in "ISR" (international abbreviation for Israel), "EG" (English), and "N" (general news). The radio's display indicates that the next such program is at, say, 0100 GMT. If the "cancel" key is not punched, the set will switch on by itself with news from Israel at 0100 GMT, automatically choosing the best frequency (from the "WRTH" data base), least-QRM'd sideband, best bandwidth, best AGC time constants, and appropriate "notch" rejection frequencies, if any. Should the frequency degenerate, the set would automatically select the best remaining Israeli English-language channel, if any.

Of the three audiences tuning shortwave broadcasts -- DXers, shortwave listening hobbyists, and lay listeners -- the greatest beneficiary from this advanced technology would be the last, which tends to treat shortwave not as an end, but a means. Whether advanced automation would be of interest to hobbyists -- DXers or SWLs -- is another matter.

It may be worth noting another recent advance in shortwave radios, viz. the development of inexpensive ceramic filters with excellent shape factors. These have freed modestly-priced shortwave radios from many of the worst squeaks and squawks, thus allowing the less-dedicated lay public to better enjoy the medium.

**SWC:** Put yourself in the position of a hobbyist who is a shortwave listener: one who has, say, about \$500-600 to spend on a new rig. With his perspective in mind, and his money, what would your recommendation be?

**Magne:** This question is a bit broad to answer effectively. Before one can recommend a specific receiver, the first task is to determine the primary purposes for which the receiver is being purchased. For example, there is one hobbyist in Puerto Rico whose passion is baseball. Thus, his primary objective is to tune AFRTS, specifically on 15430 kHz, which usually suffers from sideband interference and fading at his location. Now, in his case, with a tight budget, the YAESUFRG-7 with a selectivity and AGC modification, but including fairly good audio, fits nicely. He purchased a Gilfer-modified FRG-7 and was delighted. On the other hand, Glenn Hauser, an SWL hobbyist with diverse interests, purchased the same receiver to hear music, harmonics, and just about anything but baseball. His reaction was mixed. One shoe doesn't fit all feet.

In preparing the WRTH reviews, then, one of the chief motive forces has been to service the SWL/DX community by providing as many objective test facts as possible, while keeping opinionation to a minimum. This allows the individual SWL or DXer to make up his or her own mind, based on the relevant personal circumstances. The Handbook concentrates on what the consumer is least equipped to do.

**SWC:** O.K. Now you are a dxer, one who wants to get the most out of his \$500-600 dollars in a piece of equipment that is sensitive and selective enough to bring in that flea-powered station. What would you recommend in this particular instance? Perhaps I am not being realistic in my money standards here, but fire away anyway!

**Magne:** As above, I feel this sort of general question is difficult to answer properly. Although "serious DXers" are far smaller in number than are SWL hobbyists, they are by no means less diverse in their goals and orientations. Forgetting the human factor, the Drake

R-7/DR-7, which exceeds your cost parameters, is probably the best shortwave DX receiver produced. In due course, these should start appearing on the used receiver market at less lofty prices. All this notwithstanding, the R-7 is complex and unusual to operate, especially for those habituated to operating conventional sets, such as the HQ-180 and R-390 series. As your question does not limit the response to new equipment, it should be pointed out that there are on the market used and surplus communications receivers that may offer more-per-dollar than at least some of the newer sets in the same price range. For example, there is a receiver made by the British organization of Mentor for a Belgian marine firm called "SAIT". This professional receiver reportedly does quite a job between 4-15 MHz, but seemingly has been "dumped" on the market in Britain because of certain technical problems. Accordingly, leading British DX lights such as Noel Green, Gordon Darling, and Mike Barracough, as well as Asian DX high priest Victor Goonetilleke, have purchased the "SAIT" unit for under the equivalent of US \$600. Similarly, Bill Whitacre has purchased U.S. Government surplus transistorized RACAL receivers at a nice price, and DX elder statesman Don Jensen has obtained a tube-type Racal RA-17 (which I understand he wishes to sell, by the way) via a colleague in Britain. Used Drake R-4B's are available via ham and SWL sources for between \$300-450 (plus \$100-150 for an E-tec digital readout). Unlike many used sets, the R-4B may be factory-serviced with ease, thanks to the set's light weight and Drake's excellent service department. Until I added an R-7 to the "stable", the R-4B was my main receiver, and continues to serve as a prized second set; to this day, Ralph Perry pulls in his DX gourmet far on an R-4B. Veteran amateur and SWL DXer Bob Hill swears by the R-390 (and swears at the R-7), as do many of the leading personalities at the Danish Shortwave Clubs International headquarters. Ted Dames (cf. WRTH-81, p. 33) and others make a good living selling reconditioned R-390's even though some parts are very difficult to come by. Personally, I feel the Hammarlund HQ-180 series, with its poor analog readout, wide-skirted selectivity, bassy audio, and tendency to overload, is past its prime. However, suitably modified, as some National Radio Club members have done over the years, it can perform superbly. Even some non-communications radios, such as the pre-WW II E.H. Scott "Stradivarius of radio receivers", are prized for such things as pureness of audio or quality of construction.

Among the problems faced by the potential purchaser of a piece of used equipment is that he has to know not only how a particular model performs, but also the condition of the specific sample under consideration. For this reason, the WRTH does not test discontinued models. Serious DXers are a helpful and knowledgeable lot and are usually willing, even eager, to exchange receiver experiences with their equally-serious hobby kin. Annual radio conventions are an ideal vehicle for learning about the "track record" of specific models of used gear.

In general, however, most DXers are going to lean towards new gear. For this reason, the Handbook tests communications receivers every two years, rating them separately for their suitability as SWL and DX receiving devices. Tests of Gilfer Shortwave and Radio West modifications, which are often helpful to DXers, are also included.

SWC: The comparison between the shortwave radio manufacturing field and the state of the American auto industry is a natural. For a number of years now we have seen the Toyota's and Honda's of the world assume a rather substantial share of the domestic auto market. By the same token, starting about four years ago with the FRG-7, foreign manufacturers have gradually overtaken the domestic market on shortwave radios. Why do you think this is? Why is it the Hammarlund and Hallicrafters of this world died out, and were replaced by the Yeasu's? Also, why is it that Drake just cannot make a receiver that does not cost over \$1000.00 to compete with such things?

Magne: A comparison between the U.S. auto industry and U.S. radio manufacturers is tempting, but somewhat involved for resolution on the pages of *Frendx*. A large part of the problem appears to lie with the short-term orientation of the U.S. managerial and investment communities. For example, a company can build up a strong reputation for excellence over decades, after which new management enters to produce downgraded products that capitalize on that established reputation. Eventually, the firm may suffer terminally, but for years the new management may succeed in selling an inferior product to a public expecting something far better. Of course, short-term profits grow with this technique, and given the reward structure the participants are promoted and the stock's value rises. By contrast, in Japan, where employment is usually for life, this sort of behavior is inappropriate.

Those interested in this topic may wish to refer to Peter Range's excellent article on Japanese technology and business techniques in the February 1981 issue of *Playboy*. More specialized articles may be found in the academic and commercial business press.

Incidentally, one shouldn't be too hard on U.S. manufacturers. For example, Drake, with its R-7, and McIntosh, with its line of hi-fi electronic gear, probably outdo their Japanese competitors when it comes to certain types of specialized high-end electronic gear. I don't know how -- or if -- the R-7 sells in Japan, but Mc Intosh amplifiers and pre-amplifiers are regarded as unsurpassed by certain perfectionistic hi-fi aficionados in that productive island nation.

SWC: While many SWLers seem thoroughly enthralled by the new rigs on the market, the old time dxers seem to have dropped back, punted, and are now, once again, turning to HQ180's, setting them up with digital readout, and are very pleased. Why do you think this is?

Magne: First, I don't fully agree with the question's assumption that older receivers have

increased in popularity for DXing, although these veteran models may be increasingly valued for other purposes, e.g. for their "audio" characteristics or nostalgia. Although Al Sizer, in the pages of Shortwave Center, has pointed out the merits of older communications receivers, it does not necessarily follow that "old time DXers" (easily distinguished from their younger counterparts at radio conventions by their refusal to refer to the BBC's English-language broadcasts as anything but the "Empire Service") have flocked back to such Smithsonian gems as HQ-180's retrofitted with digital counters. Indeed, my own observations suggest the opposite is the actual case.

As indicated earlier (#3), there are some fine used equipment buys for the street-wise DXer who has taken the time to investigate this alternative thoroughly. However, the virtue here is not receiver quality, but receiver value. These older sets are available for far less than the R-7/NRB-505-515 genre, and thus are economically feasible for many who can only dream of something equivalent or better in a new rig. This is especially true in the "Third World", as Victor Goonetilleke lucidly reveals in his article on Third World DXing in the 1981 WRTH.

However, purchasing used equipment can be chancy. First, any used set -- or used anything -- carries with it additional risk in terms of hidden flaws and incipient failure. Warranties often are nonexistent. Old tube sets require more repairs, more maintenance (including periodic alignment), and sometimes replacement parts that are no longer made, or even available new. Old tube-type sets are heavy, bulky, and usually can't operate from DC sources without an inverter. They are difficult to ship, as at least one famous DXer found when his prized HQ-180A wound up in the junk heap after having been bounced about in transit. Too, finding someplace to have the set serviced, unless you are handy in such matters, can be difficult; if a repair facility is remote, you again run into the shipping problem. Finally, one should not overdo nostalgia.

The older tube-type sets usually have audio quality superior to most sets sold new today. They are generously roomy inside, making repairs less intricate and allowing for modifications and other experiments. As to dynamic range, in many cases they are more satisfactory than the Japanese transistorized models. However, the elder Hammarlund HQ-180, lest we forget, has always been notorious for its propensity to overload.

As for myself, at the 1980 Numero Uno convention, I purchased a circa 1936 Hammarlund SP-400 at the auction for \$6.60. Tube radio boffin Steve Bohac (97 Shaler, Fairview NJ 07022) overhauled it, and it blends into our 200-year-old house rather more nicely than a newer receiver. With its pleasant audio, it's fine for listening to international broadcasters and even some tropical music stations. But it's just not in the same league as my Drake R-7, or even R-4B, for DXing and listening in tough situations.

Incidentally, vintage (as opposed to antique) radio owners in need of service may wish to contact Steve Bohac, who operates a repair service for such models as the R-390, HQ-180, and similar tubed communications receivers made since the late 1930's. Too, Bill Taylor's new SWC/Frendx column, "Vintage Vignettes", may have more helpful hints on this interesting hobby segment in future issues.

**SWC:** A whole bunch of manufactured antennas have hit the equipment market during the past few years, some indoor, but most outdoor. Which one, in each group, do you feel offer's the hobbyist his money's worth? Do any of the above really compete with the age old "get it as high and as long as possible" longwire antenna? Why?

**Magne:** We tried to deal with these questions to some extent in the 1981 WRTH equipment reviews. Last-minute space problems kept details to a minimum, but as a rule of thumb the horizontal inverted-L (so-called "long wire"), which can be made for a few dollars, or purchased from such places as Gilfer or Radio Shack as a kit, is hard to beat. In practice, length is not significant, and most such setups are between 50-100 feet...or whatever the backyard allows. Although these random antennas can be artificially "resonated" to a given frequency via the use of pi or similar circuits, e.g. with a McKay Dymek DP-40, the end improvement is rarely worth the trouble of constantly having to manually re-resonate the antenna, or the cost (e.g., the DP-40 sells for \$180). Too, in part the gain added by the resonance is offset by the tuning device's insertion loss.

The inverted-"L" is susceptible to receiving local electrical noises over its feedline. However, in most cases SWLs have control over such noises in their dwelling, especially near the window of their listening post, making the problem moot. Electrical noises from neighbors' houses and the like are typically received similarly over an inverted-L or other horizontal wire antennas.

The main purpose of an antenna is to deliver a clean signal, which is not the same thing as a strong signal. Receiver sensitivity these days is rarely a problem, except that in some instances a set's dynamic range can't cope with high levels of signal input. So, in practice, the "clean signal" goal tends to come down more to reducing noise than to increasing gain. If your signal-to-noise ratio can be kept high, even if the overall signal strength is inadequate you can always add a good preselector or preamplifier (cf. 1981 WRTH equipment tests). Thus, antenna location is often more relevant to good reception than is antenna type.

When local electrical noise is a problem, as is often the case, if one has adequate land it helps to have more than one horizontal antenna (vertical antennas -- although capable of good performance, especially in the higher bands -- are costly, difficult to install properly, require a good ground, and tend to receive more local electrical noises than do

horizontal antennas). By switching among antennas, one is able to choose that which gives the best signal-to-noise ratio at that particular time and for that particular frequency range. A variant of this is to use multiple antennas with different reception characteristics. For example, if you have room for only one wire antenna "run", you can utilize an inverted-L, which tends to receive best off its ends, complimented by a dipole, such as the "Eavesdropper" trap dipole, which tends to receive best off its sides. This allows not only for a degree of directionality in reducing local noises vis a vis the received signal, but also for the two antennas to complement each other in terms of band coverage (the "Eavesdropper" dipole tends to shine within certain International Broadcasting bands, whereas the "L" may perform better in other bands or with out-of-band Broadcasters or "utility" stations). Too, the dipole is less sensitive to local noises entering via the feed line than is the "L".

Those wishing to pursue the subject of shortwave antennas more thoroughly should obtain a copy of SWL Antenna Construction Projects (Howard Sams Co./Bobbs-Merrill Co., No 20766, 1970), if it is still in print. Although it does not deal with the servicable inverted-L design, it covers a great many more complex designs which may be constructed by the technically-inclined SWL/DXer. Other helpful books, but geared to the needs of radio amateurs, are Wire Antennas (Radio Publications, Inc., 1972), and the venerable A.R.R.L. Antenna Book (American Radio Relay League). The firms of Gilfer Shortwave and Radio West carry a variety of shortwave antennas for listening purposes; Gilfer's latest catalogue also shows one Antenna Handbook, which appears to be the successor to Wire Antennas (cf. preceding), plus a book they claim is useful for the constructor of Tropical Band specialty antennas.

As to active antennas, as indicated in the 1981 World Radio TV Handbook equipment tests, these are useful when a conventional antenna is not feasible. A sliver of an antenna sharply amplified, only serves to introduce the possibility, especially in urban environments, of cross modulation and other dysfunctions resulting from high-gain circuitry. However, for the apartment "cliff dweller" these antennas -- or, better yet, a short homemade antenna connected to a good preselector -- can mean the difference between being able to listen and not. Still, I did most of my "serious DXing" and editing back in the early 1970's, before preselectors and active antennas were commonly available. At that time, I lived in a high-rise apartment in downtown Philadelphia, 100 yards from a powerful FM broadcast transmitter. My antenna? An alligator clip affixed to the steel frame of our living-room window. Today, in a similar Philadelphia location, ace DXer Ralph Perry feeds his veteran R-4B with an inverted-L (plus a preselector) run between his bedroom window and an adjacent townhouse roof.

From this may be derived a general rule of thumb: put your investment emphasis into the receiver, rather than the antenna. Another rough guideline is that should you need antenna amplification, and you don't object to operating additional controls, try to set up some sort of wire antenna to be connected to a good tunable preselector (cf. WRTH-81 equipment reviews), rather than purchasing a broadband (non-tunable) active antenna. Done properly, a wire/preselector combination can provide better reception at less cost than can a broadband active antenna.

SMC: Aside from the above, what else, in the way of radios for shortwave enthusiasts do you see in the next few years? It seem to me like almost every possible avenue has been explored and developed. Is it possible, outside of sensitivity and selectivity, for radios to become even more computerized and sophisticated?

Magne: Much of this has been answered in the response to previous questions. However, it may well be that if shortwave becomes more widely listened to there will be more specialization in marketing terms, i.e. more models to "step up to", but less specialization in terms of achievable results. In other words, the range of performance between today's Sony ICF-7600 and Drake R-7 should narrow as the low-end models improve. With advanced digital circuits, wider dynamic range of analog circuits, and economies of scale deriving from mass production, it is not inconceivable that within a decade reasonably-priced sets will outperform most of today's under-\$1,000 units. Selectable-sideband, whether via automated Exalted Carrier Selectable Sideband or through the use of updated crystal-phasing circuit designs, may well become more common (both these approaches are being researched by Japanese and other firms). Nonetheless, "elite" receivers stressing optimum performance and flexibility, while downplaying the role of microprocessor or other automated circuits, may continue to be sold at the top end. Manufacturers may cater to this limited "R-7 market" if only for the prestige that a "best DX set" imputes to the other receivers in a line.

I hope this reply is of help to the Membership. The WRTH equipment reviews have been undertaken for only three years, now, and feedback from readers is currently very helpful in shaping the future approaches and details of how these are undertaken and reported upon. This is one reason a snap-out questionnaire was included (between pp. 32-33) in the 1981 edition. Your comments and replies to that questionnaire (or, if you prefer, simply via letter to WRTH Research Department, 1515 Broadway, New York, NY 10036 USA) are welcomed and will be used to make the 1982 equipment reviews more meaningful for your needs.



# VINTAGE VIGNETTES



WDX3UFA Bill Taylor, Box 132, Unionville, PA 19375

## RESTORING VINTAGE SETS

Replacement parts for most radios are available from a number of different sources. Many collectors advertise in the "swap ads" sections of ham magazines and antique radio journals. These kind folks will usually provide you with a multi-page xeroxed list of sets, parts, tubes and/or literature for a SASE. These lists are your best bet for finding original parts (i.e., a National speaker, a Collins dial, or any "named" parts). If you need an extremely old tube (99's, 01-A's, etc.), you must write to the collectors.

For coils, capacitors, cords, trimmers and other electronic parts; your best bet is to deal with the warehouses, suppliers and parts stores. It should be pointed out here that you should always strive to keep your replacements as original. As the age of a piece increases, the supply of original parts decreases in direct proportion. It is then proper to substitute newer (or other brand) parts. Remember, you are keeping a heritage alive. What good is a restored Model "T" with a set of Chevy lamps on it?

Some collectors are beginning to cast new plastic parts. Others are providing cloth covered wire (including 6-wire battery cords). You can even get your open coils and transformers rewound!!! Modern caps can be insulated and placed in the cans of original by-pass condensers; fill them with paraffin and seal the top half inch with the original bee's wax. Or, dissolve the tar seal under your old audio transformers by soaking them in white gas; remove the opened unit and replace the bugger with a modern unit; reseal with roofing cement and allow to set. In both of these cases, the substitution has not altered the original appearance of the radio. A final note; some schematic manuals include a list of which companies made each individual part in your set. Do your best.

Tubes and parts may be obtained from the following companies. Puett's catalog costs \$1.00, but the rest are free. The ETCO catalog is very good.

|                      |                        |                          |
|----------------------|------------------------|--------------------------|
| ETCO Electronics     | Rte 9N                 | Plattsburgh, N.Y. 12901  |
| Delta Elec.          | 7 Oakland St.          | Amesbury, Mass. 01913    |
| Cornell Elec.        | 4217 University Ave    | San Diego, Calif. 92105  |
| Circuit Specialists  | 1344 N. Scottsdale Rd. | Tempe, Ariz. 85257       |
| Puett Elec.          | Box 28572              | Dallas, Texas 75228      |
| Older Tyme Radio Co. | 2445 Lyttonsville Rd.  | Silver Spring, Md. 20910 |

Schematics for nearly any and every radio can be located and photocopied. Puett and OTR offer this service for about \$1.50 per radio. They need the model number. If you are unable to locate a model number, they will try their best from a list of tubes and a drawing that shows the placement of all tubes and major components. This service runs about a dollar more.

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## TUBE OF THE MONTH

### 01-A TRIODE

The 01-A tube is the baby that got radio off-the-ground and into the air. Or, perhaps I should say that it brought it down out of the air.

During the First World War, many advances were made in radio by the various Signal Corps units of the combatants. Following the war, the amateur operators had their equipment unsealed and radio was back in business. Then an explosion occurred. General broadcasting began, most people maintain, in a Pittsburgh garage when KDKA went on the air. It was 1919. Throughout the twenties, the 01-A triode was the workhorse of the receiving sets. It appeared in RF sections; it wiped out the carrier in the detector sections; and, it boosted the audios. By the late twenties, these triodes were being manufactured by RCA (UV-201-A short pin bayonet, UX-201-A long pin self-locking), the

Cunningham Co. (C-301-A), de Forest (D-01-A), and about two hundred fifty independent companies. Some tubes were even bootlegged in the late twenties.

The 01-A tubes, by whatever designation, were virtually identical. They had a four pin base with the larger two pins handling the filament and the smaller pins serving the grid and plate. The filaments were operated by a 6 volt auto battery. The "B" batteries were usually 45 volt wet cells that provided the plate supply. The tube worked by a rather simple process. The electrons flowed from the filament when it was heated. The plate would collect the flow and pass it along to the next stage. Between these two elements there was inserted a control grid that could bias this electron flow. The grid was biased by the antenna, or the plate from previous stages. Thus, with no direct contact, the original signal could be rectified and amplified. In the detector circuit, when combined with a grid resistor and a by-pass condenser, the 01-A passed audio frequencies to the audio stage while throwing a block on the carrier frequency.



#### DETECTOR AMPLIFIER TRIODE

Storage-battery triode used as detector or amplifier. Outlines 29, OUTLINES SECTION. Operating conditions as grid-resistor detector are: plate volts, 45 max; grid resistor, 2 to 3 megohms; grid capacitor, 250 pfd; grid return to (+) filament. As biased detector, type 01-A has plate volts of 135 max; bias of approximately -135 volts. As amplifier, it has plate volts of 135 max; bias of -9 volts. Filament volts, 6; amperes, 0.25. This is a DISCONTINUED type listed for reference only.

01-A

Radio News April 1925

**HELLO MARS  
THIS IS  
EARTH**



#### "RADIO WILL SURELY DO IT"

There have been some great pictures of Saturn in recent issues of Astronomy magazine. These pictures are encoded and transmitted via radio. When they arrive here on earth, the coding is reconstructed into a visual image and colored by computer. What did people think a generation ago? The following comments were published in the December 1937 issue of Short-wave & Television magazine.

According to Dr. Lee de Forest, "It has been quite conclusively demonstrated that ultra short radio waves, in the neighborhood of 5 meters or less, are ordinarily not reflected by the Heaviside-Kennelly and other refracting layers ... especially if the wave is directed vertically.

"It is therefore probable that such ultra high frequency waves can be directed by means of a parabolic reflector in the direction of Mars, when that planet is near the zenith. The question then is -- how much power would be required to transmit signals from such a source to the distance of Mars from the Earth?

"Then comes the question as to whether or not the weak signals arriving could penetrate the very dense (!) atmosphere surrounding Mars. Then, ... have the inhabitants of Mars a sufficiently sensitive detector and amplifier system? A yet more important question is whether or not Mars is inhabited by intelligent beings. Current astronomical evidence ... (against); however, there is sufficient contrary opinion to permit us to indulge, from time to time, in such idle speculation as I have here set down.

"It seems certain that if Martians exist and are attempting to signal the Earth, there is not the slightest evidence of this fact."

What do you think? Got your dish up yet? QSL any little green men lately? I thought I did last month; but it was just a drunken Oregon amateur, short of stature, and sending out a list of phone numbers for the local ladies of the evening. That redhead sounded pretty good though! Let's see, a bathtub full of whipped cream, ... Eat your heart out, Barto.

## MFJ's MOBILE CONVERTERS A review by Bill Smith

This past fall MFJ Enterprises, Inc., Mississippi State, MS, introduced two mobile shortwave converters, the Model MFJ-304 which covers 19, 25, 31 and 49 meters and Model MFJ-308 for 13, 16, 19, 25, 31, 41, 49 and 60 meters, priced at \$59.95 and \$79.95 respectively. Both models convert the shortwave broadcast bands to the medium wave broadcast band centered on approximately 600 kHz.

Immediately upon reading their advertisement I ordered a 304 only to find out two weeks later they did not have them ready for shipment and four weeks after that I got my refund check. Just before Christmas I tried again and received the converter in seven days.

Having had a Gonset mobile converter in the mid-fifties I was anxious to install the 304 which I did one Saturday afternoon in my new Ford Bronco. Following the MFJ instructions, I found the mounting tabs for under-dash installation were not identical, nor did they fit the slots in the converter case, nor did the mounting screws match. So much for MFJ quality control in packaging. I opened the 304 to inspect components and workmanship. This was generally good, especially the workmanship but the PC board is of cheap material. I highly expect the inexpensive push-button band selector switches will not hold up well in the dusty atmosphere of a vehicle. They are the open, non-encapsulated type which are easily fouled.

The installation process is simple, one hour at the most, but the instructions say nothing about mobile noise suppression telling the user to directly attach the 12 volt DC power lead to a 12 volt source. Obviously this works, but the use of a noise-limiting capacitor (available at any automotive store) would dampen much ignition noise. MFJ does not supply the capacitor nor tell the user its advantages.

Most new vehicles have either their radio antennas inside the windshield or a 32-inch whip on the right fender. While both are fair for broadcast band reception, neither are worthy of shortwave reception and for wavelengths longer than about 25 meters are practically worthless. The 32-inch whip could be replaced with a standard 54-inch whip, also available at an automotive store, but would be only slightly better. On wavelengths shorter than 25 meters, the ship will give passable reception once ignition noise is removed, but you won't hear the weak ones. One solution is the effort and expense of mounting a standard 8-foot whip on the rear of the vehicle. This is the type of antenna I used 25 years ago with the old Gonset Super 12 converter and had fairly decent results.

Quite plainly the mobile converter does not permit anything even approaching frequency readout. The powerhouse stations you'll hear and recognize so I'm not certain frequency readout is important in a mobile situation. If your vehicle radio has push-button station selection you can set them for the RUC, VCA, RCI, Radio Australia, etc. These are the stations you will likely hear well while mobile.

The antenna is the actual limiting factor with these mobile converters. If you're at the lake or camping and want to listen to shortwave, a small spool of wire with an alligator clip to attach to the whip will greatly improve results. I have a 25-foot spool of hookup wire I carry in the glove compartment and toss out when I'm stopoed. This added antenna length works well and fills the dial with shortwave signals.

The problem here, though, is obvious. You have defeated the purpose of being mobile so you might as well have a portable radio to begin with, or you can mount an 8-foot whip on your vehicle for shortwave reception while in motion, at an additional cost of up to fifty dollars. This cost plus that of the converter would buy a Sony ICF-7600, a Panasonic RF-085, or some similar radio which would give better over-all performance.

In my opinion, the MFJ shortwave mobile converters, without a large unsightly mobile antenna, are expensive toys having only marginal performance when used with the normal vehicle antenna.

This review is harsh and is only my opinion, but the would-be purchaser should consider what he wants from a mobile, or portable, installation, before investing.

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### FAVORITE QSL Diane S. Levesque

My favorite QSL is a mediumwave card I made myself. WJPF was a station in Herrin that was about to sell out to become WHPI; I caught its last broadcast as WJPF and, knowing that the station took an unfavorable view toward DXers and QSL cards, I made up my own, mailed it to the station asking the engineer to sign it, and that's all he had to do besides drop it in the mail (I had it preaddressed as a post card), and as a result I got a rather 'rare' verification.

# Listeners NOTEBOOK

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M  
A  
Y  
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## PROPER CREDIT

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- K E Y** Letters along left margin enable you to spot items in categories of interest: **D** = death, **E** = English, **H** = harmonic, **J** = jamming, **L** = program listening, **M** = mediumwave, **P** = future plans, **Q** = QSL, **S** = stamps/postal, **T** = timezone jumps, **X** = DX programs, **V** = television
- ✓ **AFGHANISTAN** R Afgh reported it introed a svc in Pasha'i 22/3, 1030-1100 daily. Pasha'i is spoken in NE Afgh; part of Pgm-II on 6230v with other minority langs (WBI 26/3) see USSR LN10
- ✓ **ALGERIA** R Algiers on 15365 EG 2100-2130 ex-15310; FR net other times; //s vary greatly, but E 11740 & 21725 are hrd most (Craig Seager, NSW, RA DX 15/3) 15370 EG 2200 [sic], tremendous signals (Finn Krone, Denmark, AWR DX 22/3) 25700 22/3 2100 EG nx to 2120 then 4 musical numbers; 2130 and 7195 9610 11740 only; SP 2130 (Chuck Oliver, Spring TX) Smashing 545 signal on 25700 (Dean Rekich, PA) 25680 hrd early in March for several days; AR 2000-2200+ // 21635 and no EG at 2100, probably test; abruptly replaced by 25700 in FR, now hrd from f/in around 1330, FR all day to 2100 EG with //s 251 7145 9610 11730 and, none hrd 21/3 but 25700 hrd for a couple of weeks and sometimes fairly strong (Bob Zilmer, NM) DST to make EG 2000 (gh)
- ✓ **ANDORRA** Andorran govt decided to close down both Spanish and French-owned stns and 25/3 set up a national broadcasting organization, nationalizing R Andorra; spokesman for stn says it M is not on air now, but Sud-Radio [MW only] was still on (Roberto Levinstein, RN PT DX 9/4) P An alternative to nationalization suggested was a higher price for license. Sud-Radio is on and R Andorra could be too, but hampered by internal conflict. They were licenced in 1961 for 20 years and this expired in March. Local leaders wanted tighter control on stns, but owners (the govts of France & Spain) rejected this (Robert ---, Barcelona, RN DXJB 9/4) Both France-Inter & RNE reported that R Andorra & Sud Radio ceased BC shortly after 1900 2/4 on orders of the General Council of the Valleys. RNE said this was done to bring pressure on negotiations between the Council and the reps of the co-princes of Andorra, i.e. the Bishop of Seo de Urgel in Spain and the President of France. When checked at 2120 2/4, 819, 702 and AWR-6219 were all off, but Sud Radio, whose studios are in Toulouse (France) was back on by the morning of 6/4 (WBI 9/4) World Music Radio has moved to Sat 2030-2300 on 3 kW xmtr, 6238v, hope no cross mod w/ AWR 6220; maybe back on in time for AWR phone-in week of 12/4 (Andy Sennitt, DXJN 9/4) [It wasn't] WMR retained a 15-min Sun slot at 2100 or 2130 on 6220 (SCDX 14/4) To clear up misinformation in Nam DX bulletins: there are 3 operational SW xmtr at R Andorra, old 3 kW and two recently acquired 2nd-hand 10 kW ones. Two aeriels available -- the old dipole, for 3 kW; and a log periodic (pictured in WRTH ad) fixed roughly toward Denmark. It cannot be rotated due to constricted space. Xmters and antennas cannot be interchanged due to different feed line impedances. The 60 kW on QSL cards refers to the ERP from the LP when fed by 10 kW. Loggings of Andorra on 15033v eves GMT are wrong, Algeria. E (Andy Sennitt, DSWCI Mar) 15030 will most probably be dropped. EG retired to \*1930 on unchanged 6220v (Finn Krone, Denmark, 19/3)
- ✓ **ANGOLA** RNA 100 kW now stays on 11955 to 1800, allowing confirmation that Luanda follows its E published sked for cland BCs 1600-1800, except wrong fq 9660 is anded while 9535 is used. EG: 1630(Sun 1600)-1700 V of Namibia, 1730-1800 R Freedom (QTH Africa 20/3)
- ✓ **ANGUILLA** [Cf Sept LN-8] The Caribbean Beacon, 1610 & 690 kHz, both 15 kW, in // hrd 10/4 0100 M --1610 G-F, 690 P due to CBF QRM. Director is Bob Jensen; call 809-497-2740 for reception R P ports. They have 350' tower antenna; will increase to 50 kW on both fqs in 60-90 days; sked \*1000-0400\*. Addr: Box 690, Anguilla, West Indies. Started xmsn 8/4 GMT. Mostly religious Q mx; plans additional tower and FM; promised certificate QSL (William J Martin, Wilmington DE) ) And SW, per previous story--or is the 1610 that? Don't assume the first program audio you hear on 1610 is this--there are also a growing number of c 10 W TIS stns in US on it (gh) Hrd as early as 0030, as late as 0430, but once s/off 0400 for 1000 return; they said 690 was under repair; also called the Caribbean Relay (Dean Rekich, Prospect PA) more, LN-2 /LN-14
- ✓ **ANTIGUA** VOA Antigua is on the air, testing with easy-listening mx, ID every half hour until M 0100 on 1580, very strong, first hrd 24/3 (Dick Clark, Dom Rep, May RIB) Hrd here right

away, 4/4; and 5/4 to 0300, only ID was for Washington, still nothing on this in US press. Well-chosen fq as no powerful LAs on it and nearest US, WSRF has null toward Caribbean (gh) Hrd every nite since 1/4 0000-0400 exc off Sun nite; sounded like 500 kW but VOA fq office found out for me that it is 50, non-dir tests but'll be dir Sam (Wells Perkins, NJ) below

**ARGENTINA** General Pacheco R (a maritime stn) 0613-0629 vy gd w/ "Boletín Deportivo" to sea-  
L men, produced by sports dept of R Rivadavia; nx & tapes of fútbol & boxing matches, on 13166  
and 17233 kHz (J C Codina, Tokyo, R Nuevo Mundo 29/3) I can see this setting off debates on  
whether this is a SWBC operation (gh) R Mac Mendoza 6180 all nite Sat nites; may be 24h  
other days, needs further checking (Tony Jones, Paraguay, 24/3)

**AUSTRALIA** RA hrd on 15120 0745 5/4, screeching het on Nigeria, completely covering Peking  
EG to AuAs 0830; next day back on 15115 (Dale Park, HI) 1f 9580 is tonal, try 17795 (gh)

**AUSTRIA** Despite the QRM problem, ORF plans to stay on 21655 for J81 at 1230 to Nam. But  
X Austrian SW Panorama from 4/5 has a new airtime GMT Mons at 0430 on 12015 (David Hermegs,  
ORF) In past the pgs at 0430 and at 0330 on 9770 & 5945 have been exchanged so check then  
too (gh) ORF J81 changes compared to M81: 6155 to Eu \*0500, ex-0400. Eu 2000-2200 on 9615  
ex-9755 [look out, Turkey - gh], SW Eu on 12015 \*1300-1600, ex-1400; Nam GM 1330-1330 moved  
to 1200-1230 29/3 on 21655. WAF 1900-2100 15125 ex-12015; 1700-1900 17835 ex-17775 Saf;  
EAF 1700-1900 15290 ex-15430. SEAS/AuAs 0900-1100 21660 ex-21610; 1200-1300 21610 ex-21725  
[try this one at 1230 EG; 21725 had been poor but better than 21655 - gh]; EAS 1100-1200 on  
H 21610 ex-21725 (ORF 31/3)

**BAHAMAS** harmonic LN-11  
**BELGIUM** RTG C on new 21810 DT 2045-2115\* ex-15285 to Af, 19/3 (Bob Padula, Australia) Full  
sked for 21810 is T/T/R/S 1205-1230, Sun 1245-1600, Mon-Sat 1500-1600, daily 1700-2015 (Sun  
2115). Another out of band is 21795 Sun 0630-0705; 21790 Sun 0715-1200. Fqs used by RTBF  
for FR etc are entirely distinct--21490 21460 15210 5965 (WBI 9/4) [Cf Apr LN-1] NATO of-  
ficials are upset about the use of 100.7 MHz for tests as it is the fq of AFN Belgium, an  
extremely unkind act toward the EG-speaking community\* (Peter Nijs, Belgium, SCDX 17/3)

**BOLIVIA** Tony Jones provides another update, as of 24/3 from Paraguay on the Bolivian radio  
situation. Times are GMT but days are local to Bolivia --  
3257 k Paititi (Guayaramerín) 0400\*  
3280 R Chaco (Yacuibá) 0945-0300 (Sun 1100-2300)  
3310 R San Miguel (Riberalta) seemingly inactive  
3330 R Charcas (Monteagudo) 2300-0300 (Sun 2300-0200)  
3340v R Viloco (Viloco) inactive  
3350 R 27 de Diciembre (Villa Montes) 2030-0200 (Sun 2030-0100v)  
3380 F Cumbre (Tazna) inactive  
3390 R Camargo (Camargo) 0300\*  
3480v R Padilla (Padilla) inactive (previously 2300-0200)  
4043 R Comarapa (Comarapa) 2200-0300  
4467 R Movima (Santa Ana de Yacuma) 0300\* (variable)  
4640v R 23 de Marzo (Tupiza) reported to have left SW on orders of govt  
4697 R Riberalta (Riberalta) 1100-0400+  
4708 R La Voz de la Frontera (Puerto Suárez) reactivated, hrd 25/3 at 1030, announcing  
\*0900; sked formerly 0900-0300  
4722v R Abaros (Riberalta) 1100-0300v  
4730v R Frontera (Cobija) possibly inactive  
4735 R Mamoré (Guayaramerín) 0300\* (Sun -0100v\*)  
4755 R Em Bolivia (Oruro) 0900-0400 (Sun 1000-0200)  
4775 R Los Andes (Tarija) currently on reduced sked, due to xmtr problems (poor modu-  
lation); nom sked 1100-0400 (Sun 1100-2400 remains same)  
4775 R Trópico (Friedland) inactive  
4785 R Bellivian (San Borja) active, the full sked not known; hrd regularly around 1215  
4797 R Nueva América (La Paz) \*1030, 0400\* (Sun -0200\*)  
4806v R Frontera (Yacuibá) \*1000 (Sun \*1100)  
4815v R Nacional (La Paz) possibly active, tho too much QRM to be able to check  
4830 R Grigotá (Santa Cruz de la Sierra) 0930-0300 (Sun 1100-2400)  
4845 R Fides (La Paz) destroyed during 1980 coup, per press reports  
4853v R Centenario (Santa Cruz de la Sierra) inactive  
4868v R Florida (Samsipata) seemingly inactive  
4875 R La Cruz del Sur (La Paz) 0930-1230, 1600-1800, 2200-2330 (Sun 1000-1400)  
4887 R Sararenda (Cemiri) 1000 (Sat 1100)-2200 (Sun 1200-1800)  
4915 k Ambaró (Santa Cruz de la Sierra) inactive 0200  
4940 R Norte (Montero) 1000-0300 (sometimes \*0930 w/educ pgs) (Sun 1100/1200v-  
4945 R Illimani (La Paz) 1000-0400 (all days)  
4965 R Juan Veintitrés (San Ignacio de Velasco) 0930-1400, 1900-0100 (Sun 1100-1630)  
4980 R Batallón Topáter (Oruro) 1000-0500 (Sun 1100-2400v) (Sat 1000-0400)  
4990 R Bení (Magdalena) active tho full sked unk; heard daily around 1030  
4991 R Ánimas (Chocoma) inactive  
5005 Rdf Cristal (La Paz) 1100-0300 (Sun -0200\*)  
5020 R Dos de Febrero (Rurrenabaque) \*1100, 0230\*  
5020 R Cuarto Centenario (Tupiza) \*1100  
5045 R Altiplano (La Paz) inactive  
5265 R Centinela (Tupiza) 1100-0230 (Sun -2400\*)  
5312 R Roboré (Roboré) inactive  
5431 R Machupo (San Ramón) 2300-0230v

**ANGUILLA** (from LN-1)  
Also hrd since 7/4  
(Dick Clark, Dom Rep)  
14/4 tentative on 1610  
0330-0407\* good at peaks  
nonstop gospel till 0404  
lipsy ID, brief organ  
riff & off (Terry Krue-  
ger, FL) 0035 10/4, ap-  
parently first day; re-  
quested calls (SWNS)

**ANTIGUA** (from LN-1; above) VOA on  
1580 1/4 0115-0140+, tnx tip Dave  
Fox, solid 89, no fading (Ernie  
Cooper, Provincetown MA, NRC) 1/4  
0120 mx, ID (SWNS HQ) 17/4 0350-  
0400\* EG //5205 (Krueger, FL) c1  
mx tests 7/4 0015-0155+ (Barry  
Davies & Gordon Darling, UK, AWR)

- 5511 R Galaxia (Guayamerin) seemingly inactive  
 5582 R San José (San José de Chiquitos) 1115-0330 (Sun 1115-1600v, sometimes -2300\*)  
 5870 R Corocoro (Corocoro) inactive  
 5955 R Pio Doce (Siglo Veinte) possibly active but too much interference to be able to chk  
 6005 R Progreso (La Paz) inactive  
 6025 R Illimani (La Paz) 1000-0400 [see below]  
 6070 R El Cóndor (Oruro) inactive  
 6081 R 21 de Diciembre (Catavi) inactive  
 6090v R Stentor (La Paz) inactive  
 6105 R Panamericana (La Paz) new fq, ex-6035; 1030-0400v (Sat -0130) (Sun 1100-2300)  
 6135v R Santa Cruz (Santa Cruz de la Sierra) \*1000  
 6146 R Luis de Fuentes (Tarija) \*1100-2000+ (further reception difficult): Sun 1100-  
 6155 R Fides see 4845  
 6175 R Indoamérica (Potosí) believed active, tho no positive ID  
 6185 R Batallón Colorado (La Paz) possibly inactive  
 6293v R Nuevos Horizontes (Tupiza) reportedly closed by the government [see below -gh]  
 9715v R La Plata (Sucre) 1330v(fade-in)-1800; may have an evening pgm; can't hear  
 Cf Nov LN-3, gh should have caught this one: "R. Batallón Las Vegas", 6081 must have been  
 R Patagonia Chilena; note how the vowel sounds match up (Tony Jones, Paraguay) R Nuevos  
 Horizontes, hrd 3/3 1140 on 6298, SIO 222, hard to understand, SP, 1A mx, excited man with  
 talk and IDs (Mitch Sams, AR, OMDC) Emilio Pedro Povrženić and other Argentine DXers visited  
 La Paz in Feb and learned that R Illimani would make many fq changes, with 6500 likely  
 to replace 6025 (Mar NZ DX Times)
- ✓ BRAZIL 3365, R Araraquara, still 0300\*, not 24h as in WRTH 81. 3440, Xapuri noted irregularly  
 here, ex-3410v. 3525v, R Transamazônica, hrd almost daily despite reports that it is  
 elsewhere. 3570, R Treze de Junho, Brasília, Acre believed the stn noted here for more  
 than a year; however, may have moved, as not hrd during March, despite being regular during  
 Feb. 4755, R Educação Rural back here ex-4760 where it had been for several months, on or  
 about 14/3. 15155, R Tupi, not listed in WRTH 81, still using this channel irregularly a-  
 round 1600. 15215, R Timbira, hrd daily around 1030, tho may be on low side of fq (bad het)  
 incorrectly listed as 15125 in WRTH 81. 15310, R Globo still testing this fq from time to  
 time, // 6035 & 11805 (Tony Jones, Paraguay, 24/3) Loggings from rural location in ME with  
 420' antenna: 2420, R Carajá, religious hymn at tune in 0825, clear ID 0830, evangelist to  
 0850 tune-out, 25/3, 333. 4905, R Araguaia, boomed in at s/on [0800?], 40db! YL sings PT  
 ballad, then OM gives ID & fqs, into Bras ranchera, talk, animal sounds (cows & dogs); Reló-  
 gio hrd weakly under this sig; t/out 0820; SIO 534. 2320, R Oito de Setembro, Descalvado,  
 322 9/4 0140-0201\*, excellent mix of Bras mx; simple & mellow ID 0142, full ID at s/off;  
 only 250 watts. 5025, R Vitória booming in most every morning before 0740+, as high as 40  
 db, a hyper, hyper ancr who must eat uppers for breakfast. 2490, Em Educação Rural, 10/4  
 in at 423 from 0140 to 0210 t/out; very slick & smooth Braz pop, IDs 0143 & 0155, but mx  
 straight thru 0200 (Maxfield Greenwood, Sedgwick ME) In 2300/0100 period hrd R Jornal de  
 Brasil, Rio, 4875; Rdif Poços de Caldas, 4945 over the Colombian and many more on 60m; São  
 Gabriel on 90, 9/4; one of my better catches is R Por Um Mundo Melhor, 4855 at 0135 (Stu  
 Klein, Edison NJ, who adds that Braz reception has been better in NJ than in FL) more LN-14
- ✓ BULGARIA R Sofia hrd w/new EG BC 2230-2330 on 15330 15110; 15330 much better even with AFRTS  
 E QRM (Dean Kekich, PA) Evidently started late in Mar; annt 2/4 2230 gave this and other Eu/  
 Nam EG mbs & times: 2230 19; 0000 19 [hrd on 15330 & 15110], 0400 25 [expanded from 0430 to  
 an hour and still on QRMd 11860], 0730 31 25 19, 1930 25 19, 2130 25 [at least 11860 11920]  
 (gh) 10/4 2230-2330 15110 vy strong, good folk mx, some sitar QRM-AIR? (Charles George, TX)  
 Likely, and too bad (gh) 0730-0800 is on 9590 11970 15160; 1930-2000 on 11720 15110; 2130-  
 2200 also on 11720 (Keith Hatcher, Spain, and Adrian Bedford, UK, SCDX 14/4) 0730 is new.  
 X Ran across DX pgm 28/3 GMT Sat around 0030 on 15330; had been (also?) on GMT Mons (gh) LN-14
- ✓ CAMEROON R Cameroon, Bertoua on 4750 & Bafoussam 4000 carry relays of Ntl Svc from Yaoundé  
 E 4850 from 1800 in EG, but Garoua 5010 joins only at 1830 for EG nx; Bertoua & Garoua also  
 relay FR nx from Yaoundé at 1900 (Paul Karagianis, UK, QTH Africa 20/3)
- ✓ CANADA RCI has decided to keep the DX Digest on the GMT Mon 0100 xmsn while the additional  
 X 0000 xmsn during DST will carry another airing of the Mailbag. However, if a vote taken by  
 P producers or technicians 21/4 results in a strike, all programming will be suspended, not  
 just the news. For IYDP, RCI has started providing EG & FR cassette tapes of its program  
 schedule for the blind free on request, twice a year. RCI 1800 svc to Af switched to 15250  
 12/4 only as a courtesy to VOA so they could continue Space Shuttle coverage w/out fq change  
 (Ian McFarland, RCI) 9755, planned for J81 anyway, replaced 9605 already 6/4 for 0200 &  
 E 0300 (gh) RCI J81 EG: Nam 0000-0029 9755 50 kw 2680, 5960 250 240. 0100-0129 17820 250  
 285, 9755 50 268, 5960 250 268. 0200-0229 11940 250 285, 9755 50 268, 5960 250 268. 0300-  
 0329 11940 250 285, 11845 250 240, 9755 50 268, 9535 50 277, 5960 250 253. 0400-0429 11845  
 250 240, 9755 50 268, 9535 50 277, 5960 250 253. 0615-0630 & 0645-0700 M-F Eu 11825 250 60,  
 9760 250 60, 6140 250 60, D-1175 100 98; ME D-17860 100 109, D-15235 100 109; Af 11960 250  
 105, 9590 50 67, D-11775 100 180. 1200-1220 M-F Carib 17820 50 168, 15440 50 168; Nam 11955  
 250 285, 9650 250 240. Sun 1300-1600 Carib 17820 250 176, Nam 11955 250 285, 9575 50 290.  
 1545-1559 USSR 17820=Mon-Sat 250 47, 15325 250 47, D-11935 100 68, D-9555 100 79, Sines-  
 15160 250 55, S-11915 250 55. 1645-1659 Eu 17820 250 60, 15325 250 60. 1800-1829(S/S 1859)  
 17820 50 97, 15260 50 97. 1900-1929 M-F same. 1900-1929(Sat/Sun 1959) Eu 21630 250 60,  
 17875 250 60, 15325 250 60, D-9555 100 110, D-7130 100 110. 2000-2029 M-F Eu 21630 250 60,  
 17875 250 60, 17820 50 110, 15325 250 60, D-9555 100 110, D-7295 100 110. 2130-2157 Af on

- 17820 50 97, 15150 50 97, 11945 250 105 (and Sat/Sun only, also 17875 250 105, 15325 250 47 Eu). 2100-2259½ M-F Eu 17875 250 60, 15325 250 60, D-6170 100 110. 2159-2359½ M-F (Sat 2159-2229, Sun 2159-2259½) 9755-50 268, 5960 250 268 (RCI 3/4) May 9-15 is CBC Radio Week
- CANARY ISLANDS** R Exterior de España M81 sked via Tenerife: 11815 2600 2145 (2205 Sun)-2245 X SP C&SAm; 15365 2600 Sam 1400-2245 SP Sun; 2145-2245 [Mon-Sat?]. This includes a DK pgm in SP Sats 2205-2220 on both fqs (REE DX Section 4/81) own pgm not //Madrid -2250\* (Paul Buer FL)
- CHINA** [Cf Mar LN-3] This is sheer fabrication. Never in history has Radio Beijing had anything to do with RL/RFE or the CIA (Ma Ruihu, English Dept, R Peking, May RIB) Advance L pgm details of R Peking EG BCs now appear in RIB (gh) Hailar 4750 has EG lessons at new E time of 1100 instead of 1000, mixed with Lasa 10/2 (Craig Seager, ADKN) Note that Hailar is definitely in Meimenggu Autonomous region, not in Heilongjiang Province. Tnx to Dick Greenwood for this direct from Peking broadcasting authorities (Peter Bunn, ADKN) Mongolian svc of Hulun Buir PBS in Hailar is on 6080 in addn to 3900 (WBI 19/3) more, LN-14
- COLOMBIA** R Galaxia, 3120, \*1003 w/full ID as HJCP, Arbeláez, 1560, into nx 7/3; no Timor H (Ben Radcliff, IL, CADX) [Cf Apr LN-3] Rdif Nac on 6380, 0441, cl mx, ID on hour, must be 11 x 580 (Mitch Sams, AR, SPEEDX GRAM) I'd make that a maybe (gh) Rdif Nac on 15500 since 11/3 at 2200 & 0015; assume for entire 0930-0500 period (Andy Newton, GA) I think it's irregular like all their SW operations (gh) R Tres Fronteras, tentative, on 4781 21/3 1004-1100 f/out, poor with heavy Carabobo QRM; ID sounded like this (Yasuhiro Kitade, R Nuevo Mundo) Seldom if ever reported (gh) A puzzle, noted a Sutatenza on 2392 and a Caracol on 2440 after 0900 25/3; bizarre spurious sigs don't fit, for then I should have logged others; am I picking up network feeders? (Maxfield Greenwood, ME) harmonic, LN-11
- CONGO** Simply breathtaking 444 reception 3/4 for country hrd 182, taped 180, on 3263 from 2240 tune in, continuous AF mx to 2255 s/off & NA to 2300\*, in FR. A few days before, it was poor, severe uxe QRM and on 3265 to 2300\* (Maxfield Greenwood, ME) 15190 is active to about 1400 and this sked may be extended (Richard Glnbey, RSA, RN DXJB 9/4) Cf ZAIRE LN-11
- COOK ISLANDS** RCI on 9695 ex-5045 from 0730, says John Mainland; hrd here Sun 0800 with phone-L in request pgm (Arthur Cushen, RNZ 6/4) Don't assume this change is forever (gh)
- COSTA RICA** On 10/3 R Sandino in Managua [Nicaragua] hrd 0535-0555 w/pgm from "Int'l Net of Solidarity with R Noticias del Continente". Introing it, R Sandino said it was joining a 'vast net of stns in IAm & the world'; pgm began with RNC ID from San José, then press release on stn history deploring CR govt's action [in closing it]. The release also claimed these stns formed the Int'l Net of Solidarity [do rightists ever use that term? gh] Canada: RCI & Radiocentre Viole de Montréal; Dom Rep: R Popular de Santo Domingo; Ecuador: R Éxito, R Noticias & R Tarqui all in Quito; R Canal Juvenil & R Universal, Guayaquil. México: R Mexico International, R Univ Autónoma de Mex, R Azul de Michoacán; Nicaragua: R Sandino & R Deportes; Panamá: R ABC; Perú: R Guizzo & R Corporación; Spain: R Exterior de España. Also said that later in the week the Voice of Germany, and other stns in Venezuela, Colombia, Panamá would join, totalling more than 100 members of the media by monthend. R Sandino carried another such pgm at 0530 12/3 (WBI 19/3) Best way to hear R Sandino is on 750 kHz if you can null or otherwise avoid WSB (gh) R Reloj in San José reported 26/3 that a judge from Grecia was surprised to discover during an inspection of RNC's installation in Puente de Piedra that all the eqp & xmtrs had been removed from the bldg. Since the matter was being investigated it should not have been removed under any circumstances. A guard had been posted at the stn, but due to recent terrorist attacks he had been removed, thus facilitating the removal of the xmtrs and the antenna which, per judicial officials, may have been taken to P Nicaragua (WBI 2/4) Where no doubt, the stn would enjoy a more hospitable atmosphere (gh) R Noticias is sending nx by telex to newspapers and other stns, and plans to send out taped pgms soon; there is a movement in Canada supporting the stn (Eric Mills, Globe & Mail 24/3 via Osterman & Bolitho, May RIB) So far I have not been able to obtain any official statement from R Sweden or RCI on their true position with respect to R Noticias (gh) more, LN-11
- CUBA** RHC in SP at 2035 going into AR on 17930 //17705; also hrd another time on 17480 (Mitch Sams, AR) Both are 225 kHz from 17705 which I'm sure is no coincidence; spurs do this (gh)
- CYPRUS TURKISH** R Bayrak noted \*1000 in EG on 6153 varying to 6158; don't confuse with Cairo E which varies 6168-6179 in daytimes (Rikard Johansson, via Andy Sennitt, RN DXJB 16/4) LN-11
- CHILE** [Cf BOLIVIA LN-3] I hrd Ron Howard's report read out over R Patagonia Chilena, and T quite a fair report it was, too. Chile is on GMT-4 since 15/3 and the stn on 6080 is \*1030 (Sun tent \*1100); others: 6100, R Calama \*1030 (Sun \*1200); 6135, R Univ de Concepción \*1100 6150, R Nac, Stgo, \*1100; 9550 & 15150 also active; 9630, R Agricultura \*1000 (Sun \*1100); 9750, R Minería \*1000 (Sun \*1100) (Tony Jones, Paraguay, 24/3)
- DENMARK** Per R Denmark Mar sked, Brown Boveri is to deliver a 100 kW xmtr in Sept, to be on P the air by Feb or Jan 82 from Herstedvester where 50 kW is the limit, but this one will be able to change fq in a minute and reach a wider range of fqs. Every 2nd Thu you can hear X DSWCI member Erik Kåie answering tech questions (in Danish) from the 30th to the 50th min of H all xmns on 15165 (Finn Krone, AWR DX 8/3) /harmonics, LN-11
- DOMINICAN REPUBLIC** Tony Campbell (Apr IN), be patient: Finally got R Clarín's nice oversize Q QSL after 111 days of waiting; full data & pgm sked (fiction?) on reverse (Richard A D'Angelo, PA) Among the new names shown on its staff are: Néit Rafael Nivar Seijas, President; Maria Elena J. de Read Sub-Administradora; Pablo Garrido, Director. Garrido was frequently mentioned by Rudy Espinal as his engineer (gh) When in Sto Domingo I called the stn to find out what happened to Rudy Espinal; they told me he just worked there part time as fill-in (Joel Coleman, PA, RIB) The 11700 outlet continues silent (gh) Maybe back for elections?

- ECUADOR** R Católica, 5055 hrd at \*0959-1033 22/3, poor (Takao Numasawa, R Nuevo Mundo) 22/3 to 1055 (Nobuyoshi Aoi, ibid) No hours given in WRTH 81 (gh) HCJB \*0200 on 15175 sounds like 500 kW (Ralf Munster & Andy Newton, GA) Blasting away to 0300\* on 15175, 500 kW? much stronger than 15360 & 15155, in SP tho not // 15295 (Dale Park, HI) Noted using and announcing 15235 [instead of 15225] to Eu 0600-0730 (WDXC) Tried 17795 in late Mar for 2000-2200 to Eu hut soon went back to 17790 (gh)
- EGYPT** V of Africa EG pgm from Cairo now at 1730-1930 on 15255, preceded by another EG pgm on same freq 1630-1715, latter maybe ex-1600-1645, not hrd on listed 17785 for some time (QTH Africa 10/3) Arab QRMing Sweden 9695 around 0000 is Cairo's V. of the Arabs (Sawt al-Arabiyyah al-Qahirah) // 7050 to 0050\* apx; EG to AF 1745 on 15245 (nom 15255), drifting down to 15242 escaping QRM; EG nx 1750 & 1845-1900, RRM lesson 1810-1830 (Paul Karagianis, UK, QTH Af 20/3) Eu svc hrd on 8995 // 9805 2100-2215\*, RRM R Ned, utes (Keith Hatcher & Antonio Giral, Spain, SCDX 31/3) R Cairo Genl Pgm in Ar is 24h: 0100-0400 7073; 0400-0700 11665 9805 9620 9455 7073 6170; 0700-1200 15210 15175 12050 11785 11665 9495 7073 6170; 1200-1300 15210 15175 12050 11785 11665 7073 6170; 1300-1500 17670 15210 15175 12050 11785 11665 7073 6170; 1500-1800 17670 12050 11665 9850; 1800-[0100?] 17670-to 1900, 12050 11915 9850 9475 7073 6170. V of the Arabs ES: 0300-0500 on 11795-from 0330, 9770 7050; 0600-1400 17745 15475; 1700-1900 15475 11785 9695 7050; 1900-2430 11785 11665 9695 7050. Palestine Svc: 0600-0800 on 17745 15475; Sudan Corner 0500-0600 9520, 1400-1700 17745 15475 9695 7050; Holy Qur'an Stn 0200[0300?](Sat 0205)-0900 9755; 1200-2115 9755 (R Cairo via MBI 2/4)
- FAKLAND ISLANDS** Mission accomplished!! Mrs Queen, Secy of FIBS, my letter marked personal P shall soon be coming. Hrd 9/4 into 10/4 on 2370, at 322 SIO and holding moderately steady at that level from 2337 to 2415; then 222 with QSBing through 0050, then barely audible until all but carrier whistle was lost at 0120 (but shut-down noted 0134). Gathered much good QSL info. If you want to know what I heard, put up a 420 foot Beverage (but keep the far end up and free, ungrounded). Withholding details in accordance with the mystique of this most rare catch. Now I'm closing down the shack and going hiking in Acadia National Park (Maxfield Greenwood, Sedgwick ME) tropical mx, 0055 BBC nx 9/4, atypical sked (SWNS)
- FINLAND** Yleisradio DS reported 24/3 that a fire at the Pori SW xmtr site had interrupted 50% of R Finland's xmsns for abroad, primarily those to FE, Japan, Au; 250 kW xmtr could not be used due to fire in the building housing aerial transformer, but hoped to resume in 24h (WBI 26/3) 20/3 not hrd on usual 25790 [sic-that's RSA; Finland on 25950 -gh] 1530-1630 [now 1430-1520], but excellent on 1845 (Alan Holder, Wight Isle, SCDX 31/3)
- FRANCE** RFI and a spl pgm 6/5 celebrating 50 yrs of SWBC from France (George Munz, May RIB) L All those who remember are invited to contribute their testimony, remembrances, any souvenirs of the early days; every scrap of info is valuable to help us re-create a total pix of 50 yrs of French SW. The Intl svc started in 1931 as Post Colonial; subsequently known as Paris Ondes Courtes, Paris Mondial, Service des Emissions en Langues Étrangères du Centre Permanent de l'Information Générale [or, SELECPIG? gh], R Brazzaville, Voix de la France, RDF-EVE, RTF-DRE, l'ORTF-DAEC, and finally, RFI (RFI 23/3 letter in English! via Munster GA, Resch-NY) RFI does it again, 9605 new fq at \*0458 to Eu/FE, not on M81 sked but started with DST 29/3, wiping out DW 0530, not that Sackville DW relay any good due USSR (Munster, GA)
- GABON** RFI confirmed in its DX pgm it is using Moyabi as relay 1800-2130 on 11810 & 15435; 11810 to northern CAF, 15435 to WAF (Paul Bonnet, France, SCDX 17/3) ANO hrd testing 15325 0500-0700 (Alexander Koutamanis, Greece, SCDX 24/3) RFI DX says 7160 replaced 11810 1800-2130 because it was missing Cameroon (Bonnet, ibid) ANO has introduced GM pgm, 1720-1800 on 21680 (Günter Pöhlz, Austria, SCDX 7/4) Unconfirmed
- GERMANY EAST** RFI postal code changed from 116 to 1160 (Rudi Friedel, RFI via Demmitt SPEEDX)
- GERMANY WEST** DW and 17/3 that its new director as of 1/6 would be Carl Schutz, ex-Berlin P mayor and SDP member (Ralf Munster, GA, May REVIEW OF INTERNATIONAL BROADCASTING) more LN-14
- GHANA** Now is a good chance to hear Ghana on 4915, EG nx 2245-2255, SIO 343 (Dean Kekich, PA)
- GUIANA FRENCH** FR3 on 3385 strong at \*0900 in FR, 4/4 (Richard A. D'Angelo, Wyomissing PA)
- HAITI** Crawford is right; La Voix du Peuple, 2951, 2330-0300+, peaking 0100-0200, SIO 42+3 6/4 (Maxfield Greenwood, Sedgwick ME) [cf LN-11]
- HONDURAS** R Luz y Vida, San Luis, is owned and operated by Faith Missions, Bedford, Indiana, sked 2200-0400 on 1600 & 3250 with 250 W; addr: Apartado 303, San Pedro Sula (Don Moore, of H the stn via Kevin Davidson, SC, SPEEDX) harmonic, LN-11
- HONG KONG** BBC is negotiating to establish a relay here to serve China (Arthur Cushen, RNZ P 6/4) Plans for this xmtr are to be shelved (Gordon Darling, WDXC March mid-monther)
- HUNGARY** R Budapest is considering morning pgm to NAM and some pgm changes; let your voice be P hrd by letting R Budapest know your opinion (John Demmitt, PA, SPEEDX April) The Hungarian J jammers reappeared 1/3; for the first week they managed to appear on time but are now back to their old habits. This year they seem to be producing a stronger signal against Israel's Hungarian broadcast, best fq for both at the moment is 17815 at 1745 (Russell Shapiro, WDXC) E is this the only jamming Hungary is presently carrying out? They don't jam RFE (gh) LN-14
- INDIA** AIR DS reported 17/3 that two high-powered SW xmtrs are to be imported from Switzerland to improve BC services; no further details (WBI 2/4) AIR GOS has new target area of E Was 1745-1830 on 9525 & 11620, causing some changes in UK svc, now 1845-2230 on 9665 & 11620 and 2000-2230 on 9912 (Sudipto Ghose, India, via Andy Sennitt, WMR DX World 5/4)
- INDONESIA** RRI Biak tells me it uses 7210, 5451 and 1044 kHz at 2100-2310, 0300-0610, 0800-1400 except Suns & holidays 2200-0600 (Sholom Glikman, IL, 4/4) Muchtar Yushadilaga, head of BC at Biak says they use 5451(55.04 m), 7306(41.06m), 1044 (287.36m) (Chiaki Shibata,

- ✓ **IDXR** RRI Wamena obs again on 5043 since early Mar; but in mid Feb this stn presumed the one on 4866, as once used by Wamena (Chiaki Shibata & Atsunori Ishida, IDXR 20/3) more Biak LN-14
- ✓ **INTERNATIONAL WATERS** R Caroline was to return 19/4 using a major American ad agency; contem-  
M porary commercial rock format; believe a fq below 648 kHz (Andy Sennitt, WMR DX 22/3)
- ✓ **IRAN** On 4/4 VOIR DS carried a PIT statement that only radio receivers covering these bands  
P could be brought into the country: LW 150-285 kHz, MW 525-1605, SW 2300-26100, VHF/FM 87-  
108 MHz. Under no circumstances would rx with wavebands outside the standards be allowed.  
Significance not known especially in light of a 5/4 report from R Iran, the Bakhtiari-supporting  
cland. It claimed the govt had banned import of SW radios; it wanted to stop people  
from listening to R Iran and other hostile stns; and to stop reception of foreign stns in  
Iran. R Iran claimed almost all people in Iran listen to cland radios & Persian pgms from  
foreign stns to follow events in the country, and that the audience of such stns was much  
H larger than that of Khomeini's radio (WBI 9/4) IRELAND LN-14
- ✓ **ISRAEL** There seems to be some confusion within the World Zionist Organization as to its in-  
P tentions regarding funding of the 'prime time' service of Kol Israel to Nam. Its NY Public  
Info Dir, Dr Jacob Fried told Richard Wood in a 24/3 letter that funding was [already] ter-  
minated because a study involving the FCC and Jewish community councils showed that SWling  
in Nam was 'devastatingly low', the Dr Fried vowed to fight for the broadcasts to continue.  
Shlomo Schwartzberg of the Jewish Agency in Jerusalem told Nathan Brown 'there is no basis  
for the rumor' that SW Kol Israel Lagola programs are to be abolished; 'on the contrary,  
very comprehensive consideration is being given to improving [them].' (May RIB) Meanwhile  
T the broadcasts continue; watch for a sudden one-hour-earlier time shift if Israel goes on  
DST sometime this summer(gh) These are the azimuth beams of KY M81: FR 2200, EG 2230,  
0000, 0100, 0200, YD 2300, HB 0030: 15582 & 11637 both 3000; 9815 3240. SP 2330, 0230, PT  
0130: 15582 3000, 11637 2700, 9815 2640. 0500-0530 EG & FR: 15582 3300, 15105 3180, 11637--  
when operating--3000. For orientation, NY from Jerusalem is 3140, London 3180 (Ralf Muns-  
V ter, GA) Kol Israel reported 5/4 that a Liberian-registered ship Odella carrying a Honduran  
flag had anchored 3km off Ashdod, intending to broadcast TV to Israel on ch 59, initially 2  
h per day, then 5, no news, but sports & entertainment in colour; but Israeli authorities  
had forbidden it from going on the air, even outside territorial waters, and made various  
threats against it (WBI 9/4) Kol Israel will make another Slow Scan TV test during DX Cor-  
ner at 2020, 2250, 0020 and 0220 [it has not been on at 2250 for some time -gh] March 24-25  
---, France, SCDX 14/4) I assume George Wood, who ought to proof-listen to his SCDX tapes  
before airing them, meant to say May 24-25; these fit the Sun-Mon days of the week, and are  
in the future rather than the past (gh) QSL from Galei Tshahal for 14728 hrd in Feb says  
they were test transmissions (Andy Newton, GA) As one might have surmised--but why? LN-14
- ✓ **ITALY** From 12/4, Italian Broadcasting Corp again in regular action 0700/1900, 7360, 6275,  
17940; reports to IBC c/o Play-DX, via Davanzati 8, 20158 Milano. R Uomini Nuovi, Marchiro-  
lo, Varese, hrd on 1611 kHz, 2/3 1615-1700, evangelical pgm // 100.2 [FM], P-F, 100 W (SS,  
E Play-DX 23/3) see also **VATICAN** LN-11 JAPAN LN-14 & L
- ✓ **KENYA** VOK says there is no xmtr operating from Mombasa. Those on 4885 & 4934, listed as  
Mombasa are in fact at Langata, near Nairobi. VOK did not specify QTH of xmtr on 4915 but  
it seems that 2 pgms, one from studios in Mombasa and the other from Nairobi's own studios  
are being transmitted via Nairobi's xmtrs, using fqs listed as Mombasa but located in fact  
X either at Langata or Ngong (Don Jensen, USA, QTH Africa 30/3) KOREA SOUTH LN-14
- ✓ **KUWAIT** R Kuwait noted around 1900 on new 17650 w/main AR pgm // 9840; don't confuse with Cairo  
17670 at same time (Andy Sennitt, WMR DX World 22/3) Appx fq usage, subject to variation, for  
DS Pgm-I in AR: 21685 1300-1515. 21570 0630-1030. 17650 0730-2105. 15495 1300-1505.  
11990 0730-1505. 11650 1335-1800. 9870 1100-2105. 9840 0400-0600 & 1600-2105. 7120 1610-  
E 2105. 6055 0400-1735. Pgm-II & Fern Lang Svc: 0200-0500 Koran 9650. 0500-0800 EG 21545  
[see below] & 9650. 0800-1000 Persian 9650. 1000-1600 Pgm-II in AR 9650. 1600-1800 Urdu  
15345 9650. 1800-2100 EG 11650 9650. Eu Svc in AR: 0815-1300 on 21685. (WBI 26/3) 15345  
has replaced 21545 for 0500-0800 EG; and at 1800-2100 EG no longer uses 15345, just 11650  
9650 (Robin Viegas, India, SCDX 31/3)
- ✓ **LAOS** Oudomsai regional obs on 6850 18/3 2300-0100 & 1055-1330 (WBI 26/3)
- ✓ **LEBANON** Since 1/3 R Lebanon hrd on new 15350 ex-11980 to Af 1830 EG, 1900 AR, 2000-2030 FR  
E (Shigenori Aoki, NDXC, RA DX 5/4) Now using 11790 to Nam 0130-0300 in FR, AR, EG, 0300 SP  
-0330; QRM from Moscow & AFRTS (Carl Beck, NY, SCDX 31/3) Another loser; maybe by pure  
chance they'll land on a clear fq for J81 (gh) V of Hope sked: \*0400 mx, EG nx; 0600-0700  
Leb nx & mx, 0700-1000 EG nx & mx, 1000-1200 Leb mx, 1200-1400 EG nx & mx, 1400-1500 Leb mx  
& nx, 1500-2200 EG nx & mx, 2200-2300 Biblical teaching pgm, 2300-2400 Classical mx & nx,  
on 6215 & 945 (Lars Rydén, Sweden, SCDX 24/3) This apparently in GMT+2 local time, compar-  
ing to sked in Apr RIB; at least s/off 2200, tho \*0200 seems unlikely... (gh) V of Hope/  
King of Hope irregular on 6215, 10 kW per QSL, omni antenna; best around 0600 (Cushen, RNZ)
- ✓ **LESOTHO** The last BBC tests hrd were in early Mar on 7250 1800-2030; nothing further for 4-  
weeks; check 11710, 7250, 7175 and 6100 (Richard Ginbey, RSA, RN DXJB 9/4) BBC QSL certifi-  
Q cate arrived 4 months after despatch of my reports (but didn't send back my tape!) Shows  
11720 0630-0700 FR via Ascension; not hrd since Feb on 11720, 7185 + new fqs Cushen reported  
(Dale Park, Honolulu HI) Tests are on adhoc basis, relaying BBC WS and even 15375 is a pos-  
sibility 1030-1215; they use the Atlantic Relay Stn amnt so be very careful (Finn Krone AWR)
- ✓ **LIBERIA** 81 WRTH lists BBC nx 0700; also Sat & Sun only 0900 & 1100 on ELWA; can anyone con-  
firm if this is still so? (Syd Osterman, Ont) ELBC 3255 has new name, Liberian Broadcasting  
Q System; slogan 'Sound of Progress'; now verifies by QSL card--progress? (Sennitt DSWCI) LN-14

- LIBYA** SPLAJBC R of the V of the Arab Homeland 1700-0300 in AR on variable fqs: 1700-1800 17930 15240; 1800-2200 15455 15240; 2200-0300 15250 11825. Beamed to Eu/N&ME/WAF 1700-2000 and to NS&Cam 2200-0300; f q anmcs claim these are used: 17930 17680 15455 15440 15425 15415 15275 15230 11870 11830 9625 9600 6185 (WBI 26/3)
- MADAGASCAR** Official info from Rdf TV Malagasy lists these: 2495 kHz 10 kW; 3288 100, 5010 30, 6135 30, 7155 5, 9690 10 (Paul Karagianis, UK, QTH Af 20/3) Seem correct judging from strength, especially 5010 which is received well in Saf but listed only 4 kW in WRTH; however, no trace of 2495, probably to be used later (QTH Africa 20/3)
- MALDIVES** V of Maldives QSL gives this sked: 4754 7 kW 0130-0245; 9550 3 kW 0900-1030; 1485 2½ kW 0130-0245 (via Shalom Glikman, IL and Ron Howard, CA, who adds: rather different from any past skeds, even powers; certainly not sked for 4754 in effect when I hrd them) Mainly, there is no mention of an evening, local time, broadcast, a strange development (gh)
- MALI** Rdf Nationale apparently recent sked showing daytime fq 7275 changed to 7295; listed 18 kW, 0800-1800; also they list 5995 as 5990, morn & eve 50 kW. Other fqs agree with WRTH 81 but times are now: Sun 0700-2400; Fri 0600-2400; other days 0600-0800 & 1300-2400 (Keith Hatcher, Spain, WMR DX World 5/4) /harmonic, LN-11
- MEXICO** R México has a 2nd ar: P O Box 24-529, México 7, DF. It also announces the one in WRTH 81 (Sandy Wilson, Muncie IN) unID hrd on 15178 apx, 0150 14/4, distorted Spanish (Andy Newton, GA) It was XEWW, //15176.0, //900, Mex mx, and had giveaway 5-prefix 7-digit phone number in ad; blocked by HCJB 15175 \*0200 (gh) XEUI Linares remains unable to stay on one fq. Some days it has not been on at all, as is generally the case at night, probably due to QRM from other stns. Its only programming is recorded pop mx. Observed as follows: missing 23/2 & 24/2; 5972-83 on 25/2; missing 26/2; 5995-6002 27/2 to 7/3; missing 8/3 & 9/3; 6045-50 10/3-12/3; 6095 12/3 (Horacio Hinojosa Arce, Monterrey, 13/3) Everything'll be OK once we finish adjusting the antenna (Marcelo Becerra González, Dir. Gen., XEUI, 3/3 letter to Hinojosa) XEUI also ran an ad in the Monterrey newspaper El Porvenir 24/2 (original reproduced in May RIB) claiming it is having 'great impact' and would run special pgms marking the anniversary of petroleum nationalization, the birthday of Juárez, and sports coverage such as the international pennmanship championship (!) and later on Mexican League baseball. I very much doubt that the incidence of SWling in Mexico is much greater than the US, and thus it is of some interest that anyone would want to start up a SW-only stn instead of AM/FM (gh)
- MONACO** TWR GM DX pgm hrd Sats 1500-1515 on new 9675; heavy jammer QRM on 9680; annts say X that from 4/4 this BC would be at 1400-1415 on 9670 (Bo-Göran Karlsson, Sweden, SCDX 7/4) J As I recall, this xmsn in past summers did not change time; it's in EG on 3rd week (gh)
- MONGOLIA** The woman ancr refers to 'R Ulan Bator' and the man to 'R Mongolia', strong in EG E 1220-1250 [exc Sun] on 12070, the only fq I've ever heard it on; 25-26/3; gives other EG pgm as 1715-1745 on 12070 & 6383 (Hadley D Cress, VA) First hrd 21/3 1713 OC, 1717 IS, ID, nx for 15 mins, then mailbag, 12070 G-VG but bothered by FR under, likely Moscow; 6383 had ute QRM & flutter; 4/4, 6383 inaudible due QRM, 12070 poor w/QRM at same level (Dale Park, HI)
- MOROCCO** Sked from Minfo shows Rabat AR DS on SW: 21730 11-22, 15360 10-18, 15335 10-01, 15155 22-01, 9540 18-22, 6095 22-24 (WBI 9/4) Rabat hrd on new 15475 around 1700 in AR (Alexandr Firsov, SCDX 31/3) Cf LN-5, Cairo V of Arabs more likely (gh)
- MOZAMBIQUE** R Moz again moved 31m outlet, now fairly stable on 9553; formerly 9530v, 9623v, 9649v; 60m still on 4859 & 4855 (QTH Africa 20/3) But the natl pgm now on 4812, QRMing Gabon and Beira's daylight fqs now obs on 6087 & 9637, while Maputo Nacional pgm on 15304 (QTH Af 30/3) Continues drifting: Maputo EIMG 3338v3345; 4925 to 4810 to 5165; 9530 to 9515, 9525, 9555, 9792; now 9530. 6975 to 6980. Emissão Nacional 6115 new xmtx 0255-2210; Beira 6025 now on 6360; switches to 3370 at 1700; Nampula on 7430 at 0400 //4938 (Richard Giney, RSA, RNDXJB 9/4) 9618 hrd from 0427 if you can beat 9620 Cairo splatter; has a 4-bell-tone IS at E 0430 (Maxfield Greenwood, ME) EG 0400-0430 & 1800-1830 on 4855 3265; 1100-1130 11820 & 9600 --both apx (WBI 26/3) more LN-14
- NETHERLANDS** Media Network is the new name for DX Juke Box on Thursdays from RN. Some expected topics: 7/5 Soviet broadcasting; 14/5 FM DXing; 21/5 Latin America; 28/5 EDXC Conference report; studio guest Ian McFarland; 4/6 more EDXC; 11/6 Dutch Ethnic stns in Australia E (Jonathan Marks) RN J81 EG: 0700-0730 WAF/Eu 15560 11720 9895 5955 [also has been on M-25650 & M-21480 for a long time 'testing']. 0730-0825 NZ/Au B-9770 B-9715. 0830-0925 NZ/Au B-9715. 0930-1020 Eu 15560 11930 9895 6045 5955. 1330-1420 Eu 17605 11930 9895 6045 5955. 1430-1520 S&EAs M-21480 M-11735 15560. 1830-1920 C&E&SAF M-15220 M-6020. 2030-2120 C&WAF B-21685 B-17695 17605 M-15220 M-9715. 0230-0325 ENAm B-9590 B-6165. 0530-0625 WNAW B-9715 B-6165 (RN 26/3) Note some fq changes in the 0930, 1430 and 1830 xmsns; Bonaire/Madagascar
- NETHERLANDS ANTILLES** Guess TWR didn't have enough listeners after 0600 on 9755 or 800 as noted closing at 0600 (Stan Jones, IN, 22/3) \*0350 w/OC, 0357 IS on 9755 (Dale Park, HI)
- NEW ZEALAND** RNZ no changes for J81, i.e. Pac 1800-2150 11675, 2155-0630 17860, 0640-1215 E 11945; 1800-2105 15485. Au/NWPac 0830-1215 11945, 2115-0815 15485 (RNZ NZ Calling 6/4) 11945 noted several mornings at 0830 nx, 444 level (Greenwood) HCJB QRM 1130, Peking 1200 (gh)
- NIGERIA** VON finally hrd 21/4, fair to 0600 in FR, then f/out in EG on 15120, always up against RA 15115 (Dale Park, HI) VON EG 1100+ 15120 poor mod 'Naf & OS' f/out around 1115; also announces 17800 but it has not been on (Richard Giney, RSA, RN DXJB 9/4)
- NORWAY** NRK final J81, EG Suns & GMT Mons; NW other days and for preceding hour daily: 0800-0830 15135 0050, 21655 045, 11850 245. 1200-1230 6015 Nf 15135 095, 21730 070, 1400-1430 17840 275, 21730 150, 25730 185. 1600-1630 21655 170, 21730 225, 25730 305. 1800-1830 17840 310, 21730 170, 25730 150. 2000-2030 11850 005, 17840 025, 25730 125. 2200-2230 on

- 15175 240, 15345 290, 17795 275. 0000-0030 15175 050, 17795 275, 21730 240. 0200-0230 on 9610 310, 11860 290, 11870 310. 0400-0430 11860 290, 15175 355, 21730 070. 0600-0630 11860 300, 15170 150, 21655 125 (NTA 27/2) Underlining presumably means high power xmtx (gh)
- ✓ **PAKISTAN** On 27/3 R Pak ES replaced 21655 with 21785 for 0715-1100 Urdu to UK and 1100-1115 E dictation speed EG nx; both //17665; 1645-1915 to UK in EG, Urdu, Sylheti now on 15495 & 11670, the latter ex-9460 (WBI 2/4) 5 min EG nx 1005 (Noel Green, AWR 5/4) R Pakistan now on 5004.6, hrd with ID 1730; probably Rawalpindi, ex-5008.5 (Finn Krone, AWR 8/3) unID w/EAf rhythms 7/4 0325 on 21487 turned out to be R Pak in SH, //17640; only fq anced for EG nx 1100-1115 was 21785; also found normal speed EG nx one day on 21590 at 1810 (Dale Park) [Cf Apr LN-8] I agree with gh's 'coincidental' comment re my 5 pips=5 pm. Are 5 pips mandatory with all time sigs? (Syd Osterman, Ont) Don't think so, but customary; cf CBC Sat 1659
- ✓ **PAPUA NEW GUINEA** Some corrections to WRTH 81 direct from NBC: R Madang, 3260 has the box number 2036 but the place is Yomba; R Manus 3905 is at PO Box 593 in Lorengau, and R Enga in E Wabag is at P O Box 196 (Andy Sennitt, WMR DX World 5/4--possibly never aired) 9520 EG 0800-0842 8/4; usual anmt 0800 that "P279 now closing" but still on at 0845. The "National Sporting Service of NBC" carries sports items & talks live from various PNG centres (Syd O.)
- ✓ **PARAGUAY** R Nacional on 11914, more or less; despite reports of good reception outside SAM, and the fact I can see antenna from the house, their signal is completely unreadable, due to severe QRM from Brazil 11915. 100 kW, my foot! I doubt if they are using 10 kW. Incidentally, 11914 is //920 MW thruout the broadcast day (Tony Jones, 24/3) They have a [SP] mbg pgm Tue 0100, El Correo del Oyente. CE says 11915 is 30 kW to NAM with a rhombic but plans P to increase to 100; 6025 is inactive due to Bolivian QRM and the xmtx having burned up last year. Hope to be back soon; also to go on 19 and 31 m. 9735 is inactive but there are plans for new xmtxs (Emilio Pedro Povrženic, visiting the stn, via DX Party Line 6/4 & Espacio Diexista 11/4) Judging powers of SW stns at groundwave can be very misleading, especially with directional antennas; Tony's lucky it's so weak; LN-14 (gh) **PHILIPPINES** LN10 USA
- ✓ **PERU** On 4995, continuous Huaynos 1005 to 1020 fade 25/3, a Peruvian 'feel', 222. 27/3 0840 and 30/3 past 0940, it is R Andina for sure, tho no ID but mentioned Huancayo several times; relentless, wild Andean mx with strident, shrill female chorus and hyper announcers, into mellow huaynos after 1000 to 1020 fade. 4995 is where I tune it best, so that's what I list (Maxfield Greenwood, ME) Nevertheless, stns are always referred to by their carrier fqs (gh) unIDs on 5620 & 5635 still active, but impossible to extract IDs; R Madre de Dios 4951, \*1100 all days including Suns (Tony Jones, Paraguay) R Oriente, Yurimaguas, 6190 \*1110 17/3, good level and understandable despite BBC powerhouse on 6195; 433 (Jack Jones, MS)
- ✓ **POLAND** Pathfinders Station has new fq of 7205, 5 kW along with 6195 (Max ---, Sweden, SCDX E 14/4) R Polonia fairly good on 15120 exc during prop disturbances when 9525 was audible instead at 0200 15/4 (Sandy Wilson, Muncie IN) Peking now sked 15120 0000-0455 (gh)
- ✓ **PORTUGAL** On first week of DST in Eu, RFE Fri-only Commentary in EG confirmed at 2050-2100 E 3/4, audible only on 17835 VG, 15255 G over jamming. These are 'normal' fqs; there is usually one 'extra' one for this xmsn, but not found; for J81 21720 may be added (gh) The RARET station is RFE internal lingo for radio retransmission, i.e. from Glória do Ribatejo, as X Vesa Komulainen explains (John Campbell, DSWCI) AWR DX Suns 0930-0945 moves from 9670 to 9665 to avoid heavy QRM from TWR 9675 (Finn Krone, Denmark, 19/3) RDP ancd 20/3 that only one of its IS ncasts would be affected by DST 29/3; Sat/Sun 0815 ex-0915; 15125 11800 9740
- ✓ **QATAR** QBS testing on 11715, hrd from f/in 1000 to f/out 1238: IDs in AR, FR, EG, (WBI 26/3) E followed by a song in each lang; addr given is P O Box 3939, Doha (Robin Viegas, India, SCDX 31/3) A new external svc, QBS on 11730 1745-1918\*14/4, QRM RN in AR (Marks DXJB 16/4)
- ✓ **SÃO TOMÉ** [Cf Apr LN-15] In avgn 30/3 2130 at 544 level, almost equal to ANO's 555; 10 kW vs 500. But not on the air 1/4, curious [4806]; didn't listen 2/4, still off 3/4 (Greenwd)
- ✓ **SARAWAK** Lifting Malay vocal 1035-1044, then R Malaysia, Kuching EG ID, 6:45 pm TC, nx in EG E to 1055 fade; 1035 was f/in, 3/4 (Maxfield Greenwood, Sedgwick ME) Frequency??
- ✓ **SA'UDI ARABIA** AR wailing at 1542 5/4 on 15006.0; nothing on 15060, so I conclude another punch-up error by BSKSA; was there still hours later but not the next day (gh)
- ✓ **SEYCHELLES** Plans for a BBC relay here to improve reception in Eaf where it is poor, have P been shelved (Gordon Darling, WDX Express News Service, 3/81)
- ✓ **SINGAPORE** 9530v9535 is old xmtx testing, SBC (Arthur Cushen, RN DXJB 3/4) Two days running 222 on 11940 1115-1135 when Kampuchea warms up; stox 1115, 1129½ ID, 6 pips for 7:00, nx, all via a YL, 2/4 & 1/4 (Maxfield Greenwood, ME)
- ✓ **SOLOMON ISLANDS** SIBC 9545, noted 6/4 0702 w/big sig but DW mix; birthday greetings in Pidgin; off when rechecked at 0735; contrary to previously hrd 1130\* at times; WRTH lists all fqs to 1130\* (Syd Osterman, Toronto, Ont) **SOMALIA** LN-14
- ✓ **SOUTH AFRICA** R RSA has dropped 15325 to Nam; and 500 kW now on 5980; //9585 11900 (R RSA DX E Corner 4/4) Aft/eve GMT Eu pgms on 21530 ex-21535 to escape 21540 jammer (QTH Af 30/3) Cf Apr LN-9, had been 21532.6 (gh) Transkei: Capitol R now has 2nd SW xmtx back on, using 11750 days; //1760 stays on to 2300; 3950 can be expected again, probably in 1600-2300 span (QTH Af M 30/3) 3950 & 11750 are back on; 7160 cut back to 1700\*; to start 100 kW xmtx on 603 kHz w/3-element yagi beamed to Durban (Richard Ginbey, RN DXJB 9/4) A yagi on MW?? (gh) Pgm sked rxd last week gives this sked for Capital Radio: 7235 0600-1900; 9765 0730-1800; 3950 0500-0730 & 1800-0100, time zone? [GMT +2 gh] Hourly news is from Independent Radio News (Sholom Gliksmann, Chicago IL, 4/4) I suspect this info is older than that above (gh)
- ✓ **SPAIN** On 1/4, REE reorganized its DS & FS; will add PT but nothing else (Roberto Levinstein, P Madrid, RN PT DX 9/4) EG: Eu 1900-2045 11840 & 9765 30° from Arganda; Nam 0000-0200 & new

- E time 0530-0630 on 9630 & 11880, 290° from Noblejas. SP to WHEM: 9360 & 9530 2330-0530. 9630 2045-2330 & 0230-0530. 11775 2330-0530. 11880 2045-2330(Sun 2100-2330) & 0230-0530.
- X 11945 2330-0530. 17720 & 17785 1400-2200 Suns only. DX pgm now sked: SP Eu Sats 1815-1830 on 7105 9570 11790 11920 15330 15395; SP Ams Suns [presumably GMT day as before] 0210-0225 9360 9530 11775 11945; 0510-0525 9630 11880; see also CANARY. EG Eu Sun 1950-2000 9765 and 11840; Am Mon 0040-0050, 0140-0150, 0608-0618 on 9630 & 11880 (REE DX Section 4/81) In reality the times vary considerably (gh)
- ✓ **SRI LANKA** SLBC has an unlisted EG BC to ME & Eaf 2015-2030 on 11800 & 15115 (Adrian Childs, E England, SCDX 7/4) loud & clear at 0035 26/3 in EG on 15425 (Jim Conrad, IA) DX pgm Radio X Monitors Intl will have mini-contest 31/5, at 1100 on 11835 15120 17850; 1500 on 6075 9720; also Sat 30th at 1915 11800 15115 15120. Other topics: 10/5 Red Cross Radio; Focus on Sydney. 17/5 Lesotho & Indian Ocean Is. 24/5 Early days in England; World of MW. 31/5 Contest; World's Most Wanted Stations. 7/6= Dubai; RCI DX Digest (Adrian Peterson, Poona, India)
- ✓ **SURINAM** Apintie quite good eves around 0200 on 5006 (Richard A D'Angelo, Wyomissing PA)
- ✓ **SWEDEN** R Sweden J81 changes to EG: 0230 Nam 15315; 1230 Eas 21635; 2300 Nam 15280 [sic]
- ✓ E (SCDX 7/4) Word direct from STA is that it's 15380. SCDX also says SD at 0200 to Nam will be on 15290--didn't they learn their lesson from Brasil & jamming last year? (gh) R Sweden's 24/3 SSTV test went well, 11 pictures sent, 1 frame of each; two are reproduced in May RIB; heavy fading on eve xmsns to Nam seriously disturbed SSTV compared to 1415 on 21615 although there was some Moscow co-channel QRM on it (gh)
- ✓ **SWITZERLAND** [Cf Mar LN-10] Trilingual nx & mx at 0500 are also aired at 0600 (Dale Park, HI)
- ✓ **TAHITI** R Tahiti noted running to 0835+ on a Sun, listed only on Sat, very good on 11825, stinko on 15170 where unID destroyed signal (Maxfield Greenwood, ME) No they aren't; you didn't read 4 lines further down in the WRTH--"Sat" means local day; GMT Sun (gh)
- ✓ **TAIWAN** V of Asia EG sked on 5980: 1030-1040 & 1100-1200(not Sun) to Phil & Indo; 1500-1530 E (not Sun) to Thai & Sing (Mike Hardester, SPEEDX)
- ✓ **TANZANIA** R Tanzania fq usage obs first week in Apr: Natl Scc: 0300-0700 5050 4785. 0700-1300 9685. 1300-1500 9685 4785. 1500-2105 4785. Extl Scc: 0330-0430 9685. 0900-1030 7165. 1030-1530(Sa/Su) 7165. 1530-1915 9685 (WBI 9/4) Subject to fqt variation; 2 or 3 fqs are usually in use at any one time; changeover times are generally 0700, 1300, 1500. Commercial Scc 1300-2015 on 9750 5050. Extl scc fqs not recently obs are 15435 9750 6105 (WBI 9/4) 6105 7165 9750 15435 are off due to xmt problems; 5985 and 9530 are on but temporarily off and 5685 has been heard by our Tanzanian collaborator Andy Sennitt, DXJB 16/4) 5985 type?
- ✓ **THAILAND** During the 31/3-3/4 coup different ad-hoc radio nets on MW were formed by various factions. WBI 9/4 explained this in detail, but in NASWA we don't care much about MW (gh)
- ✓ **TURKEY** [Cf Feb LN-11] Some mail sent to the Box 333 address was returned to sender as "Adres Kafi Drgil", which I take to be a negative reaction, so it must be wrong; however, I left out the "Yemisehyi" I was unsure of. Can anyone confirm? VOT hrd 6/4 saying that from 11/4 the 2030 EG to WEU would move from 9725 to 9615 (gh) VOT says from 11/4 this applies to the 1930 GM, 2030 EG, 2130 FR, and 2200 EG to NAM, the last // 7215 11895 (SCDX 14/4) Confirmed, away from RFE QRM but they ought to be going back to 15 MHz; 15360 last summer (gh)
- ✓ **U A E** UAE Radio, Dubai sent an M81 sked but it was outdated before it arrived; but this one seemed more or less valid into April (gh) Schedule B, issue 3, effective 12/3: NAM 11755 & 15320, As/FE 9640 at 0230-0400 (EG 0330-0400); Gulf/Pak 0340-0600 9640 (EG 0530); NAF 0600-1100 17775, 1115-2030 21655 (EG 1030-1100 & 1630-1700). E 0430-0900 17810. 0600-1100 on 17775. 0615-1345 21640. 0900-1100 21700. 1100-1300 21695. 1115-2030 21655. 1300-2030 21700. 1400-1800 21625. 1800-2030 15320 (EG 0530, 1030-1100, 1630-1700). The Nam/Eu/NAF xmsns are all on 3250; FE on 1150 and Pak/Gulf on omni; site is Lihbaab (via Paul House, Hamilton OH) Two versions of this schedule conflict on when 21640 switches to 21625; one says 1530, the other 1345/1400, but observed here in March 21625 usually came up between E 1315 and 1330 (gh) EG 0330-0355, 0510-0545, 1015-1055, 1630-1700 (WBI 26/3) more LN-14
- ✓ **UGANDA** R Uganda switched to 4976 instead of 7195 on 7/3 for its main DS channel; also at time E during eves on 5026 (WBI 19/3) SAF svc again obs at 1615-1730 on usual 9515 in EG but still irregularly & aching wrong fq 9685 (QTH Af 30/3) 26/3 "HS of RU" hrd thruout day on 9730, normally reserved for ES via Soroti, //4976 (WBI 2/4)
- ✓ **UKOGBANI** [Cf Apr LN-10] 18080 as an African alternative fq for BBCWS was short-lived; by E 18/4 it was back on EEU svc and 17695 back on Af svc at 1715. For J81, 13m to Ams sked to resume in 21560 2000-2115, 21690 2115-2245 split. Sackville 1709-1745 extension on 17830 15260 now shown as Sat/Sun only rather than daily. Sack 9590 again gains an hour at 2200-2300 on 9590, loses an hour at 0330-0430 on 6120 due to DST and other RCI needs for xmters.
- L Some new times for continuing series--"From Our Own Correspondent" regains two 20-min slots, Sat 2209 & Sun 1615 instead of Sat 2145 & Sun 1315, but the other two airings are still 15-min, Sun 0315 & 0715, with one less report. "Letter from London" Fri 1635 airing replaced by Wed 0730. "Listening Post" & "Waveguide" juggle to Wed 1709, Thu 1740 resp [actually 1739, I'll bet--if they can give exact times like 1709, why round off others???] 'New Ideas' Sun 1720 moves to Mon 1725. The 2115 airing of 'The Pleasure's Yours' moves from Tues to Sun. The 1615 airing of 'Science in Action' moves from Sun to Fri. Fri airing of 'Assignment' moves from 1130 to 1030. 'Meridian' a new arts pgm has 3 editions per week--Tue & Thu 1709 & 2330, repeated Wed & Fri 1130; Sat 1130 & 2330, Sun 1709. 'Brain of Britain' 2330 moves from Tue to Sun. 'My Music' Thu 0330 replaces 'My Word' Sat 0330. 'America, Europe & the World' runs Mons 2330, Tues 1430, Weds 0945. 'Music from Scotland' Mon 0815, Thu 0530 is back. Docus: Sun 1830/Mon 1345/Wed 0230. 'London' Mon 0100/Tue 2030/Fri 1330 (gh) To broad

P cast WS as a fifth UK net would cost 2 million pounds [per year] in British performers fees. As of 29/3, Russian expanded by half an hour to a solid 5-hour block in the evening J Moscow time which it is hoped will help counter jamming. This and expansions in Turkish P same date, Pashto late August will cost 200,000 pounds and six extra staff (Ariel, March, via Gordon Darling, WDXC Contact)

✓ UNITED NATIONS UN Radio M81 to W6C&SAF, Fri 15410 & 15305=LSB [sic] 1900 'The Week at the E UN', 1915 'Tomorrow's Energy/Radio Club', 1930-1945 'Only One World'; 1945- French 'Perspectives Internationales, Boite Postale 20' (via John Demmitt, PA) New xmsn; unfortunately, Spain has also been using 15410 to Af 1600-2100 (Sun 1400-) and dominates the fq here in Greenville's skip zone, if not in Af too (gh) VOA sked shows 15305 Tangier UN 1800-1900 only; UN Radio SSB xmsns until now have been out of band only on VOA feeders (gh)

✓ UPPER VOLTA I listened to UV on 4815 0535-0635, and it reinforces my belief that they do use 9515 (at least rarely) in evenings/afternoons; 26/3 ID is not noted here as "Ici Ouagadougou, La Voix de la Renaissance[sic]", but simply "Ici Radio Haute-Volta" or "Ici Ouagadougou, Radio Haute-Volta" and sounds like my 9515 (Maxfield Greenwood, ME) /more, LN-14

✓ URUGUAY Definitely active: the stns on 6045; 6155 (thrice daily for news bulletin relay); 9620; 11835; 15273. Possibly active: 6000. Seemingly inactive: 6035, 6075, 6170 (Jones Pgy)

✓ U S A AFRTS did begin operating CW from Los Angeles 13/4, but you wouldn't know it as city was earlier eliminated from ID; full ID is given once daily at 2328 (unless sport preempt); L also resulted in some juggling of pgms. Here are some new times (as modified one hour earlier 26/4 for DST) Paul Harvey, Mon-Sat 1817 & 2017; Rest of the Story, Mon-Fri 1930 & Tue-Sat 0030. Expanded net nx from ABC 1217; Mutual 1230 & 2230; CBS 1430 & 0130. Spectrum, now followed by Jack Anderson, Mon-Sat 1530 & 1830; NBC Take Ten, Sat 1549 & 1849. Osgood File M-F 2030 & T-Sa 0230. AFRTS now has 25 min expanded Sports cast daily 0635. Most features at :35 past hour on Suns (PT) are as before, but not on Sats: Portfolio 1135 & 1635; Special Assignment 1235 & 1735; National Town Meeting 2035 & 0135; Roundtable 2230 & 0330 (gh, RCI DX Digest 19/4) Full new AFRTS sked will appear in June REVIEW OF INTERNATIONAL BROADCASTING. Black mark to AFRTS/VOA for cutting 6030 off as sked at 1200 12/4, seconds before Space Shuttle launch. VOA had own special coverage on additional fqs like 11920, E 17840, 21725. The AFRTS J81 fq sked: Eu from Greenville: 09-11 9590, 11-16 15430, 16-02 15345, 02-07 6030. Af from Bethany: 09-11 9530, 11-18 15330, 18-23 15430, 23-07 11790. Carib: 09-12 6030 Gvl, 12-02 15330 BY, 02-07 6030 BY. EAs from Delano: 10-16 9700, 16-07 17655, 10-18 11805, 18-0430 21570, 0430-07 15330. SEAs from Poro, Philippines: 00-06 on 21670, 06-14 26000, 14-19 21670, 19-24 15385 (gh, AFRTS) Note that 25615 is dropped; DL opens an hour later than 0900; 2 sites use 6030 02-07, etc (gh) around 0320-0330 23/3, I found AFRTS 11790 on 2nd harmonic 23580, varied a lot, sometimes very good; at 11790 AFRTS L was wiped out by R Kiev (Philip Hiscok, St John's Nfld) 'Africa Week', an 18-hour special P already aired once each on CBC AM & FM, will be available to NPR stations last week in 'une thru Minnesota Public Radio; much on music, culture and politics; includes drama on the life H of Steve Biko (MPR) MW harmonics hrd in FL, LN-11; WRNO plans, LN-14

✓ U S R On 1/4 double DST went into effect in the USSR, unlike previous summers, resulting in major changes in Soviet external broadcasting--except for RWS, which maintained its pgm sked as per GMT while also announcing Moscow time now GMT+4. The following results from my L monitoring mostly on 2/4 and 3/4: The NAM svc programming moved up an hour in toto, to 2200 E -0300 (ENAM), 0300-0700 (WNAM). Fqs at \*2200-2300: 21530 17720 15455 15140 12050 12010 11960 11920 11860 11735 9765 9710 9685 9610, 2300, drop 11920, add 11780, 0000-0100, add 9600 (Havana). 0100-0130 drop 11735, add 9530, 0130 add 9700 (Sofia). 0200-0300 drop 21530 & 9765, add 15240. I have not documented the WNAM svc so thoroly, but at 0400 15140 and 15100 were being dropped, 17845, 15470, 15455, 12050, 12010, 9790 and 9580 continuing; and no change at 0500 announced. RWS obs after 0300 on 17655 15460 11790 11860 11960 9700 9610 9600 9530; 0400 not 17655 11860 and 9700 but add 12055; at 0500 RWS says goodbye to NAM and mentions only 25 & 31m until 0900 (for other areas), but hrd after 0500 on 17730 15460 11790. Vilnius 2200-2230 & Kiev 2330-2400 also move up an hour, both on 17870 17845 15100 11790 11770; Kiev 0200-0230 on 17870 15100 11790 9665; Yerevan as well, 0251-0258 on 17870 17845 15100 (announced only as, imaginatively, "16.7, 18.4 and 19.8 meter bands"). The RWS at 2200 announced only 25 & 31m as the bands it would continue on; none hrd. The UK service, a separate EG hour, is heard well now at 1900-2000 on 12010. Tashkent, however, did not change times, still EG 1200-1230 & 1400-1430 but on 15460 9715 (best here), 11785, 9750 and 5950. It is hoped these fq changes will have taken the place of those usually made in 3rd week of April (gh) Domestic pgms carried on SW are one hour earlier, such as Atlantika & Rodina (WBI 26/3) All-Union Radio DS from Moscow now timed: First Pgm 01-21. Radio Orbita-4 23-19, R Orbita-3 21-17, R Orbita-2 19-15, R Orbita-1 17-13; 3rd Pgm 03-20 (WBI 2/4) SP to IAm now continuous 2230-0500, rather than in segments, and a general IAm svc seems to have replaced specific services for Cuba, CA, Mex, Carib; except the Chile service remains, 2230-2300, 2330-2400, 0230-0300, 0300-0330. "R Magallanes" is at 0200-0230 & 0330-0400. (WBI 9/4) Cf Apr LN-10, Polar svc is on Orbita-1, not 2 (WBI 19/3) R Afghanistan DS in Pashto & Dari from xmtrs thought to be in USSR hrd since 1/4: 21460 0430-1530, 17720 at 0430-1500, 11740 1530-1930, 11730 0125-0430, 9575 1500-1930, 9500 0125-0430. Also on USB 19637/4 0400-1500 and on 10457/4 0125-0400 & 1500-1930; all times apx (WBI 9/4) Afgh via USSR hrd at 1330 on 11900 (Mitch Sams, AR) May have been pre-1/4 (gh) During magnetic disturbance 13/4 around 1830 fqs as low as 7230 & 7370 // in Russian, Yakutsk on 7345; RWS also good on 9580; NSB Japan on 9595. At 1918 WWV gave flux 257, A-80, K-5 as of 1800. I am investigating this strange propagation (Jim Conrad, Waterloo IA) USSR xmtr hrd on 11m for first time, before 1/4, 1530-1630 on 25655, unID lang (Rikard Johansson, via Sennitt DXJB)

**VANUATU** The first morning it came in (it doesn't happen every day), 3945 tuned in at 0838, at end of nx, SIO 322, but by 0910 was 533, loud and overwhelming the QRN, YL hosting in FR usual pop mx show, s/off 1007 by YL, NA (Maxfield Greenwood, ME) 3945, 0956-1000\* OM & YL in FR talk to 0957, then mx, not the FR march-style anthem once hrd, just MOR type to 1000\*, very poor 23/3 w/much ham QRN & local QRN. 7260, 6/4 0705-0745 Pidgin, many ments of Vanuatu, e.g. "Vanuatu National Sports Council". WRTH lists FR 0745, but I hrd Pidgin. Fair but usual ham QRN; nice with SPFR4, just switch sidebands and presto away goes the ham-usually. 7260 & // 3945 10/4 0812-0902: OM in Pidgin to 0830, then EG nx by OM w/pukka BBC accent, world & local nx. I think local origin and not RA relay; perhaps they imported a BBC anchor with the British troops! FR by OM at 0845, w/carrier QRN to \*0855 RA IS; note FR at 0845, not 0745 as in WRTH; also no ment of 0830 EG--keep your WRTH for a few years and update with LN! (Syd Osterman, Ont)

**VATICAN** Vatican City Radio testing on 1611 kHz, at irregular times // 1530; supposed to be 10 kW (Dario Monferini, Play-DX) Hrd 9/2 & 17/3 1825-1915 (FM & SS, ibid.) cf ITALY. May be due to listener survey resulting in complaints about QRN on 1530 (gh)

**VENEZUELA** Ondas Panamericanas continues to boom in on 3215, circa 0350\* with full ID & NA; H new xmtr? revived fq? (Maxfield Greenwood, ME) harmonics, see list below

**VIETNAM** Lai Chau on new 6815 since 9/3, \*1140-1330\* (Shigeyuki Komai, Kyoto, 10/3, DX Front Line) ex-6879, still there 18/3; 4506 (cf Mar LN) untraced here (Isao Ugusa, DXFL) Cao Bang on 6631 ex-6650 since 14/3; still there 18/3. Bac Thai never stops moving--their traces after 20/2 are: 6731-29-23-26(28/2)-29-28-29-22-57(12/3)-60-62-56-57-59(18/3) (Ugusa, DXFL)

**YEMEN SOUTHEAST** EG nx for 15-25 min hrd at 2030, due to Afroasian Solidarity Conference, E 11760 apx ---, India, SCDX 14/4) probably listed 11770 (George Wood, SCDX) Exact fq, LN-14

**ZAIRE** Barry Davies in England says La Voix du Zaïre, Kinshasa is hrd on 15245, a change from WRTH 81 listing of 15190; 15245 was at 2210, weak but clear channel (Pinn Krone, AWR DX 22/3) By golly, WRTH 81 does list it on 15190 instead of 15245; I venture to say Kinshasa has never been on 15190, but this is another confusion with the 'other' Congo (Zaire's name change years ago does not seem to have been enough to prevent this), perhaps perpetuating an elephantine QTH-Africa error of a few months back. 15190 is ancient Brazzaville fq (gh) R Candip, 5066.8 1/3 1835-1904\*, local svc in FR, good (G Bernardini, Play-DX)

**ZAMBIA** Twice in past month R Zambia noted on 9582 instead of 11880 for ES Sun 0550-0715; whether a mistake or an attempt to avoid SABCDS 11885 remains to be seen. 2nd Sun ES BC of E ZBS remains on 17895 at 1050-1215 (QTH Africa 30/3)

## HARMONIC SCAN

(David Crawford, Oak Hill FL) This is a list of LAM & US MW harmonics logged here during the winter season, most of them

the past six weeks (as of 25/3). Fq in () is fundamental, harm is 2nd u.o.s.; all US harmonics hrd around local sunset and all LAM's hrd between sunset and midnight, u.o.s.

|                                                                                                                                                                                                       |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1620 ZNS3, Grand Bahama (810), audible here thruout day, only occasionally at night                                                                                                                   | 2680 R El Mundo, Honduras (1340)                                                                                                                                                                          |
| 1660 HJJB, Dominican Republic (830)                                                                                                                                                                   | 2740 R Piloto, Colombia (1370)                                                                                                                                                                            |
| 1668 R Belize, Belize (834)                                                                                                                                                                           | 2900 R Maboas, Cuba (1450)                                                                                                                                                                                |
| 1720 unID US EZ-L, daily at sunset thru ute                                                                                                                                                           | 2950 La Voix du Peuple, Haiti (1475) By far strongest h hrd; strength here & complete lack of reception on fundamental indicates xmtr may actually be mistuned for the harmonic instead of the MW channel |
| 1790 R Artibonite, Haiti (895)                                                                                                                                                                        |                                                                                                                                                                                                           |
| 1948A WIRK, Palm Beach FL (spur from 1290)                                                                                                                                                            |                                                                                                                                                                                                           |
| 1960v R Cacique, Haiti (980v)                                                                                                                                                                         |                                                                                                                                                                                                           |
| 1980 R Guama, Cuba (990)                                                                                                                                                                              | 3000 RMWS/Rebelde, Cuba (5 x 600)                                                                                                                                                                         |
| 2000 R Guama, Cuba (1000) /see MEX LN-14                                                                                                                                                              | 3060 R Morón, Cuba (1530)                                                                                                                                                                                 |
| 2120 Was quiet, but as of 14/4 a station had been back for a week, XE or HI                                                                                                                           | 3540 R Rebelde, Cuba (6 x 590)                                                                                                                                                                            |
| 2182 Possible LAM h here, sporadically local eves & early morns, right on distress fq                                                                                                                 | 3600 RMWS/Rebelde, Cuba (6 x 600)                                                                                                                                                                         |
| 2220 unID LAM, eve & morn, distorted, plays a lot of Creedence Clearwater Revival                                                                                                                     | 3630 R Rumbos, Guatemala (3x 1210), best early local mornings                                                                                                                                             |
| 2260 WCBX unID FL site, C&W mx [Eden NC 1130]                                                                                                                                                         | 3750 unID, Live Oak FL, (3 x 1250), C&W mx, around sunrise [WNER, 1 kW daytimer -gh]                                                                                                                      |
| 2280 WQBA Miami (1140) was regular here nites until torched; now inaudible w/repairs                                                                                                                  | 4200 Rebelde/RMWS, Cuba (7 x 600)                                                                                                                                                                         |
| 2340 unID Cuban hrd once or twice around 0300 co-channel with R Bahai [Ecuador]                                                                                                                       | 4800 Rebelde/RMWS, Cuba (8 x 600)                                                                                                                                                                         |
| 2400 R Tiempo, Venezuela (1200)                                                                                                                                                                       | 5310 R Rebelde, Cuba (9 x 590)                                                                                                                                                                            |
| 2400 Cuba, RMWS/Rebelde (4 x 600)                                                                                                                                                                     | 5400 Rebelde/RMWS, Cuba (9 x 600)                                                                                                                                                                         |
| 2420 R Rumbos, Guatemala (1210)                                                                                                                                                                       | 5900 R Rebelde, Cuba (10 x 590)                                                                                                                                                                           |
| 2440 R 26, Cuba (1220)                                                                                                                                                                                | 6000 Rebelde/RMWS, Cuba (10 x 600)                                                                                                                                                                        |
| 2520 R 26, Cuba (1260)                                                                                                                                                                                | 8960 R Liberación, Cuba (14 x 640) afternoons                                                                                                                                                             |
| 2560 WBBB, Macon GA, soul mx (1280)                                                                                                                                                                   | 9680 R Progreso, Cuba (11 x 880) local late mornings, afternoons                                                                                                                                          |
| 2580 Doblevé, Cuba (1290) [Txn, David, some good targets there for the rest of us. If readers find any of this mystifying, I shall attempt to explain harmonic DX early in June on RCI DX Digest -gh] | 10030 R Rebelde, Cuba (17 x 590) rarely, local afternoons, very distorted                                                                                                                                 |

## UNIDENTIFIED

2720 LAM GMT-4 not Venez or Cuba, 0818 & 0200 harmonic (Greenwood) 6155 [Cf Apr LN-11] unmod carrier could be R Bayrak leaving xmtr on (listed Apr LN-3) Another strong unmod carrier is often on 9577 2000-0400+ since 12/80 and still there recently (Ernie Behr, Ont, 8/4) cf URUGUAY LN-10 & 14

6155 [Cf Apr LN-11] most likely new SW stn of R Renascença, 1830-2030 on 11745, later on 6155

kHz. RDP Lisbon has now fed Azores via satellite! Back up SW xmtr day 11875, night 6185 or 6155, DSB-mode; used only when satellite failure (Wolfgang Blüschel, Stuttgart, West Germany) 6350 rock music at 1055, surely not Laos (Mitch Sams, AR) INR now playing some western classical mx, western popular songs/mx like "Una Paloma Blanca" (Isao Ugusa, DXFL 21/1 via RIB) 21510 very strong, talk in UNID lang 0335 11/4 to 0359\* without IS or ID; R Liberty? (gh) 23650 very strong stn at 0000 several eves in Chinese(?) (Charles George, TX) harmonic likely 25882 23/3 1614, operatic aria to 1619, then amnt but covered by "putt putt"; more opera til 1419 [sic], then amnt and IS of vibes or xylophone; very mushy, unk lang; started SP at 1631; returned at 1730 but no sig; harmonic? sounds like R.D. de Colombia (Chuck Oliver, Spring TX) Colombia has registered 11m for long time but never known to use it; however, I hear only Mayak-type jammer against VOA-25880 around this fq; sure it's Spanish? (gh)

## CLANDESTINE CRANNY

Voice of Iran (Persian: Sedayeh Iran) hrd 22/3 on 9605 w/commentary on dissent against Khomeini and his followers, then music and patriotic poems; sked and as 0330-0400 on 19mb, 1805-1900 on 31mb, The latter BC obs again on 9605 23/3 & 24/3, and 0330-0400 on 24/3 on 15315. Has carried a communiqué issued on behalf of "Central Committee of the Defenders of Iran". Nx described Iraqis as "aggressors" and an open letter by a group of Iranian scientists attacking the 'open and free operation' of Iranian communists in Iran has been broadcast (WBI 26/3) On 5/4 the stn referred favorably to R Iran and Free Voice of Iran, reflecting respectively Shahpur Bakhtiar and Gen Oveysi's groups, but as far as overthrowing the regime, Voice of Iran was the voice of unity of all groups struggling for "our dear homeland's salvation"; said VOI working conditions were difficult, fraught with danger; it might change location and wavelength and even be silent for a while, but "the Iranian voice will not be silenced" (WBI 9/4) Strong signal here at 0330 on 15315; an Iranian friend listened to a few minutes of my tape and said they were talking about Jews who had to move from Iran to Israel after Khomeini came to power, and that a lot of engineers & doctors had been killed in the Iran/Iraq war. After listening to another tape, he gave me this info: sounds like a stn active 7 years ago which since then had been in Yemen; pro-Bakhtiar; name of organization running it is: Shakheh Nesehi Noghayehat Heji Iran, (Army Branch of Resistance for Iran under Bakhtiar). 15315 BC and as 1 hour but was actually half hour; they said it was a repeat of last night's. Same announcer as was on the official Voice of Iran under the shah; political talk; 5 mins on R Vatan, supporting it; this one seems anti-govt, but not anti-Khomeini. My friend is almost 100% sure it is Iraq-based; it speaks well of Iraq [but see BHCMS report above]; maybe some connection with the Islamic Summit in Saudi Arabia; mentions Mr Habib of Iran (Mitch Sams, AR) Also hrd here on 15315, 8/4 audio 0331-0359\* sounds like off-air relay which if this is a repeat of the 1805 BC (or part of it) might mean 15315 is at a different location and picks up 9605 to tape and repeat; 0359 brief 8-note bugle call IS and off; also 11/4 \*0330 with IS and ID alternating for about 2 mins; later on some nice mx; off 0400 after NA, and no IS this time (gh) LN-14

Free Voice of Iran supporting Gen Oveysi, not hrd 24-26/3, but back 27/3 at 1500 on 9589 (WBI)

R Iran pro-Bakhtiar not hrd 24-26/3, but back 27/3 at 1330 on 9570 (WBI)

/more, LN-14

R Vatan fq of 15555 hrd w/R Cairo General AR svc around 1200+ (Noel Green, England, AWR 5/4)

V of the Iraqi People (Kurdish: Izgay dange gali 'Iraqa) was and by its sister stn V of Iraqi Kurdistan 24/3 to have started daily tests, 1600 on 41m; to help in 'awakening of the Iraqi people and the struggle against the bourgeois dictatorial regime which is oppressing the Iraqi Arabs & Kurds and other Iraqi minorities'. Another VOIK amnt 27/3 said VOIP would begin xmsns 'in the coming days', but the new stn has not yet been traced (WBI 2/4)

V of the Iraqi Revolution currently on 7080, and that from 1/4 it would be on at 1600-1700 in stead of 1500-1600; amnt was made in Surani Kurdish and Arabic (WBI 2/4)

KNU Overseas Broadcasting Station, believed somewhere in Burma, has Japanese pgm, obs on "7.15" MHz for about 15 mins from 1300; fq often changed to "21" to "21.1" MHz (Kazuhiro Matsui, Playboy Monthly Japanese Edition, 4/81 via Naoyuki Tsukamoto, Tokyo) Hrd last June in Bangkok at 2000 local, between 7.1 and 7.2 MHz; pgm begins with Karen's National Song, female chorus & guitar; female ancr speaks JP, and frequently! Calls listeners in Japan, from Karen National Union, whose relations with Japan date back to WWII; overseas service to begin in earnest in 1981, per KNU Secy-Genl Saw Than Aung, 9/80 (all from same article, via DX Front Line) DXFL Editor Isao Ugusa refers to the V. of Kawthulay, 4880, Karen stn in 12/77; fq readings likely very inaccurate for this new one (and it has not been heard by him or anyone...) V of the Malayan Revolution and 11/3 that it had replaced 9620 with 15790 for 2200-2245 Malay 2245-2320 Std Ch, 2320-2405 Tamil (WBI 19/3) Regular seasonal change (gh)

Numbers MVM-Intelligence Agency, GDR number & letter codes by YL in German on 6538 0521 14/3 (Shane Mercer, Tyler TX, Ozark Mountain DX Club, 4/81 via Mitch Sams) How does he know? (gh)

R Free Cuba The Junta Patriótica has sought US govt support to set up such a stn to inform Cubans of the evils of Communism (NBC "Second Sunday", Marvin Kalb reporting, 12/4)

R Revolución (?), pro-Castro stn hrd 7/4 0325 on 7051 yet no het vs Cairo, USB? Among the items was being proud the US didn't invent color TV; Cuban anthem. Perhaps the same stn was hrd on 7400 earlier when "WPOT" closed (Mitch Sams, AR) UNID SP rev stn 23/3 on 7450 0410 political harangue; M & F ancrs; 0415 gave fq and PO Box in Caracas, ID as "Libre", more talk to 0434\* with military mx; periodic cover by SP SSB stn (Chuck Oliver, TX) Diff stns? LN-13

R Libertad Cubana, 7090, 17/2 0204-0213 w/out Comandante David, march, break 0208-0209, thanking people by name; brief 4-5 min xmsns also hrd other nites and by Havana Moon, who did hear David on 7054 0309 21/2, 7057 0336 24/2, more vicious than ever; also hrd several nites here on 7057, no RLC IDs (John Santosuosso, FL, NNRC) 7430 R Rev also reported there as anti-Castro

R/Revolución (more; see LN-12) 8/4 0218 on 7430, terrible mod but S7, mostly anti-Castro raving, occasional mx. Pulled switch at 0234 with no adiós (Chuck Oliver, TX) unID SP on 6988 at 0430\* 17/4, S9+20, gave fq and said "Cuba Libre"; Cuban national anthem (Chuck Oliver, TX)

R Venceremos 40m FMN stn not hrd since 1200 xmsn 10/3 (WBI 19/3) Hrd 18/3 1200-1300 on 6980, also 2300-2400 thru 21/3; and 23/3 that due to DST would be at 1200 & 2400; includes bulletins on situation in northern Morazan Dept of El Salvador (WBI 26/3) And at 0000 29/3 that it would broadcast at 0000 only for 15 mins; when tech problems solved, back to 1-hr xmsns (WBI 2/4) Sal paper El Diario de Hoy reported 3/4 that on 2/4 a violent battle in Torola, Morazan Dept was followed by the armed forces dismantling i.a. an FMN radio antenna; ACAN reported similarly 2/4, 4/4 at 1200 R Venceremos replied that the dictatorship had sought to destroy it in 22 days of bombing day and night by concentrating fire on areas where xmr site was thought to be, but only managed to cut a wire which was repaired in seconds and RV was back on the air at 2200. "RV was not an underground stn. In Morazan peasants used its microphones daily." RV said junta wished to hoodwink troops and demoralize people by announcing the stn's destruction (WBI 9/4) Hrd 17/3 on 6995 0034-0058\*, ID 0039, more sophisticated sound effects than R Lib's, like airplane noises; string of numbers at 0057, then off; lot of QRM, including possible 2-tone jammer, but most of it seemed to go away when RV signed off (Mike MacCollum, IN) Hrd on 7034, best around 1215, no QRM; on occasions drifted as high as 7065 (Craig Seager, Bathurst NSW, R Australia Japanese DX Time 15/3) 21/4 1215 6981v (gh)

R Frente Setiembre, anti-Sandinista, hrd 1110-1155 nr f/out on 5570, good sigs at start, all in SP, attacking gov by M&M; ranchera mx; surprisingly fast f/down, 17/4 (David Crawford FL, via Terry Krueger) I wonder if "Frente" might be a date instead, like "Tres de" ? (gh) LN-14

19th April Movement radio stn had been located by agents of F2 (a Colombian security organization) in the southern Colombian jungle, R Sutatenza reported 26/3. Two persons arrested and eqp confiscated; had been operating since late last year, breaking into TV xmsns (WBI 2/4)

V of Free Africa still on 4664 0400-0500 & 1700-1800, LSB with full carrier (QTH Af 10/3)

V of the Eritrean Revolution (AR: "Sawt ath-Thawrah al Eritrea"), supporting Erit. Lib. Front and hostile to Ethiopian gov, via R Baghdad facilities: 6170 M/W/F 0345-0415 Arabic, 0415-0445 Tigrigna; 7245 Su/Tu/Th 1430-1500 AR, 1500-1530 TG (WBI 2/4)...Soma... LN-14 2/4

V of Arab Egypt continues via Syria DS 1930-2030 daily 953 935 827 782 746 666 566 kHz (WBI/V of Palestine, Voice of the Palestine Revolution svc via Baghdad obs 26/3 1800-1855 on 9555, 9500, 1035; 9555 1855\* but others stayed on w/V of Arab Syria 1900-2000 (WBI 2/4)

R Free & Unified Lebanon IDed 1645 27/3 on 1500, having been unID since 15/3 at 1500-1700; said would rebroadcast speech by ex-Leb Pres Franjyah at 1700, but 1659\* Last hrd 10/11/80

V of Turkish Communist Party on new 11820 \*0151 long IS, 0200 TK pgm, noted often (WBI 9/4) u/BBC since 10/3; wonder what site and target at this crazy hour? (Ernie Behr, Ont) 19/3

Canal-75, pirate busted 10/3 in Paris having begun 9/3; Socialist Party protested closure (WBI 50 riot police did it; socialist-backed leading up to 26/4 election (UPI via IDN via May RIB)

R Utopia active for some weeks in Berlin, sympathizing with squatters, 10/3 2000 on FM between 101 and 104 MHz; short range & irregular; feds trying to find it (DPA 15/3 via WBI 19/3)

USSR A R Moscow DS pgm 31/3 reported on radio piracy; radio hooligans build powerful radio xmters that 'dirty the ether for hours at a time with boring drivel accompanied by the hoarse background noise of clumsily built apparatus, QRMing emergency fqs, call signs like Satan, Troika and Ataman; Article 206 of Criminal Code specifies penalty of 2-5 yrs in prison (WBI 9/4)

Weekend Music Radio [Scotland] 1/3 test VP to impossible, quite weak on 6260, mixed with RTTY. Bits of talk 0529, 0614, 0633 (Foxworth, NY) WMR received 15 reports from USA for recent test and one from Stig Hartvig Neilson in Ecuador (Mark Warner, WDXC) QSL says moving to 7340 and raising power from 20 to 100 watts; every 2nd Sun; had used halfwave dipole cut to 6290; try 0500-0800 period (Phil Marshall, GA, 2/4)

R East Coast Commercial 0800-1500 (probably BST not GMT) Sat pirate on 11578 may move to 11400 to escape QRM; P O Box 110, Orlington, Kent (Morris Walker, DSWCI)

R Caroline Dublin 6245 & Sonic Independent R 6250½, the latter Sats as well as Suns, are two new Irish SW commercial opns (John Campbell, UK)

R Confusion : 22/3 1258-2228\* on 14625, said they were on 14630; mx, talk about RCA videodisk, American Pop, RIB, 2214-2220 Dean Bean episode; fairly good audio. Report via Scott McClellan (Mike MacCollum, IN) Did not appear at 0130 (Newton, Marshall & Windsor, GA, SIXA) But at 0142, someone was "testing 1, 2, 3" on 14630 (Tony W Campbell, VA) We did not get caught but felt we'd be going too long timewise and the fq was poor at 0100. No plans for more broadcasts, except via R Telstar and maybe Empire R in Europe. We did make it to S Africa on the March broadcast; received a report from Václav Kofínek with verifiable details the reception was poor; also hrd by John Campbell in UK (Crazy Roger) "WPOT-FM" run by Victor Alcorn, 23, of 34 Dunn Ct, Sayville NY was on 108.5 in aereo band Fri nites for about 2 months; FCC agents visited him Saturday and he agreed to stop. Eng-in-charge of FCC NY FOB said first-offenders usually are fined \$750; 12 pirates have been detected by FCC in NY area in past two years (Newsday 12/3 via Foxworth)

"WPOT" [perhaps unrelated stn] 21/3 0717-0800 t/out on 3507, much hard rock, IDs, E Coast they said; FRC-USA addr, SIO 222-333; one main DJ; other people in studio (Mike MacCollum, IN) Syncom on 14752 0039 15/3, very weak, but some audio, Wescosville addr (Mark Warner, UK, WDXC) unID pirate 7375a 15/3 0554, mentioning Battle Creek, too much QRM; Syncom asked? (Andy Newton, GA) Reckon so. Also hrd on 'last BC', 6279.6 19/4 poor before 0400, yelling at 0348 helped; also 0510; and at 0540 down closer to 6275 (gh) "WQUT" 1617 kHz, 23/3 0827, hard rock, "Q-2" ID; anyone else hearing? (Jerry Starr, OH, NRC DX News)

R Clandestine 21/3 0755, apx 6100, SIO 544, ads for fur-lined jock straps, Snotty Susie doll, etc (Robert Schukai Jr, St Louis MO)

R Ridiculous 7410 0535-0549\* 22/3, rock, laugh machine (McCollum)

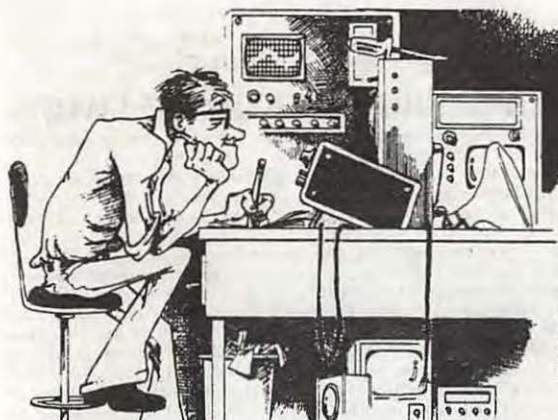
Surfside R is new outlet, testing irreg afts, e.g. 16/4 1938 on 6276, then switching w/poor results to 14551; occly alternates 6225 w/6276 and nite tests may come soon. Op Kevin says they'll soon run a R Free San Francisco & a Nylon R relay; bland rock & IDs (Terry Krueger FL) R Music International, 6580 8/3 0525-0546\* much better sigs than KVHF, lots of mx (Mike Mac-Collum, IN) Hrd two Suns in a row on 6580v, 8/3 0520-0546, 15/3 0543-0746\* when mod better (Andy Newton, GA) Radio CBN new sked Tues 1000, Suns 0030 on 7350; Sydney addr is bogus; pro BCs, one in 1979 coinciding with ARDXC Convention (Bob Padula, Vic) Hrd 22/3 0000-0040 with pop mx, says 100 W (D Gartner, Australia, SCDX 7/4)

## LAST MINUTE ITEMS

ANTIGUA unID "Caribbean Relay" 17/4 0145-0149\* 12080 (Chuck Oliver, TX) No doubt DW, 2 x 6040 (gh) BRAZIL R Nacional de Manaus /cf Jan LN-2/ is on the air, hrd at 2345 on 4875 20/3 but R Jornal do Brasil dominating fq since 23/3 (Gordon Bennett, UK, AWR & WDXC) BULGARIA R Sofia Af EG 0400-0500 21495 15285 11735; 2030-2130 11735 15310 17755 17825 (Douglas Doull, NZ, SCDX 21/4) Would the 0400 be //NAM 11860? Normally diff pgms on Af svc (gh) CHINA R Peking EG as from 20/4: ENAm 1200-1300 11945 15520; 0000-0200 15120 17680 17855; 0200-0300 15120 17680; WNAW 0300-0400 15120 17680 17855; 0400-0500 15120 17680. SPac 0830-1030 9860 11600 15435 17765. SEAs 1200-1400 11600 15280 17700. SAs 1400-1600 & S/EAF 1600-1800 11600 15165 17800. WNAF 1930-2130 9440 11515 15510. EU 1900-2000 & 2100-2200 9860 11500 (via George Poppin, CA) /cf Apr LN-3/ Nei Mongol PBS was on 7300v since 1/80, CH pgm 1300-1520\* //7106; but since 11/80 only on 9750 & 7105 (Ernie Behr, Ont) GERMANY WEST (?) AFN Kaiserslautern LSB relay of Frankfurt 1245 21/3 on 10537.8 (Joachim Kornek, Dortmund GFR, WDXC) HUNGARY R Budapest J81 to Nam 0100, 0200, 0300 moves to 6025 from 6000; perhaps Portugal will have left it (via Ruth Hesck) INDONESIA Cf LN-5; Apr LN-5. RRI on 5451 from 1200 w/IN nx relay, almost perfect studio quality; however, RRI on 6207 1/2 w/same nx relay was noisy & unreadable; from 1230 both fqs were L&C w/separate mx pgms; if both are Biak, why don't they use the same nx feed? (Behr, Ont, 7/4) IRELAND Try for harmonics of Tralee Community Radio, 4690; irregular New Ross Community R, 3910-3912v, Boneyside /sic/ Radio on or about 6525 Sun morns & afts. New stn S Dublin R chose poor fq, Vatican's 6210 (John Campbell, UK, via AWR DX) ISRAEL IDF stn Galei Zahal still loggable on different SSB channels, latest in 14 MHz range, but the they QSL the only explanation is "tests" (Finn Krone, AWR DX 12/4) 14 MHz is no good for covering Israel, even less so higher fqs, so one must conclude these are for Israeli forces abroad, raising an even bigger question... (gh) JAPAN More R Japan fq change for J81: GS to Nam 0500/0730 on 15325 ex-15430. Don't miss 1 in a 100,000,000 11/5, "A Genius Chicken Sexer"-Mr Toshiyo Taniguchi (41)"(gh) 17/4 0750-0800+ came across FEN on 11750, 50s/60s top-40 style, 0800 nx (Charles George, TX) KOREA SOUTH R Korea's DX pgm in SP is more of one than in EG, and to celebrate its first anniversary is running a contest involving answering questions, a short essay and a reception report in the period 1/5-15/6; prizes: diplomas, cassettes, books, pennants (Carlos Chul, Park, KBS, gh) LIBERIA /cf Apr LN-15/ New religious stn R Catholic National hrd in AR 0640-0725 when RN s/on 11930 (João Alberto Turner, Portugal, SCDX 21/4) Connected w/ELWA? (gh) MEXICO /cf Apr LN-7; May LN-11/ During latter part of Mar R Educacion harmonic often hrd on 2120a (SWNS HQ) MOZAMBIQUE R Moz 9620 best hrd in Nam GMT Mons when QRM seems reduced, 0330-0400 (Jim Widner, IN, SWNS) PARAGUAY R Nac hrd on 23929, 0158\* (D J Bedendo, Argentina, WWDXC Apr) Shouldn't be that 23929, 2 x 11914? (Andreas Grimmig, WWDXC Ed) SOMALIA (Cf Apr LN-8) A good reason why Newkirk can't hear Mogadishu ID on 9585.7--for past 2 yrs has been operating as cland "V of West Somalia & Abo Lib Fronts", 1930-2100\* in Somali, Oromo & AR; all reports addressed to R Mogadishu are obviously being ignored, for same reason (Ernie Behr, Ont) U A E Dubai now airing 11940 15320 17775 for 0330 EG, hrd 14/4, 17775 best (Andy Newton, GA) Very interesting pgms on AR mx after the nx (Charles George, TX) Agreed! (gh) URUGUAY R El Espectador, 6045 G 0000-ID, SP nx //11835; 27/3; never hrd a R Libertad ID on 6045 in last 7 yrs. R Carve, 6155.3, E 0030 SP ads, nx & mx to 0115\*v (Ernie Behr, 8/4) U S A WRNO is call assigned to SW, while FM changed to WRNO-FM; expect mxtr delivery by end of June. Tentative S81 fq sked: 15175 1830-2100, 11890 2100-2300, 11965 2300-0200, 6155 0200-0700 (Jos Costello III) YEMEN SOUTHEAST DYBS Aden on 11769.7 7/3 2044 AR love songs & story (Joachim Kornek, GFR, WDXC Contact) CLANDESTINE V of Iran hrd on 9027 \*0330 IS & Farsi to 0400\*, some QRM; // 15315 loud & clear; obviously same Egyptian xmtrs as R Vatan, certainly not from Iraq. R Vatan, or per ID "Vatana", on 9027, new xmsn \*0405-0500\* Farsi mx, QRM; // 15555 vy strong. No doubt these are R Cairo xmtrs, per info in earlier FRENDEXes (Ernie Behr, 10/4) 5570 stn, anti-Sandinista 8/4 0120-0200+, mostly M&W yelling, Nic mx; back at 0430 re-check and nightly around then; despite clumsy presentation, probably more powerful than any 40m clands from IAm. Per 10/4 Globe & Mail, is "the voice of the counter revolution" but because of bad ancng we have not been able to make out SP version; says stn is in "remote & virtually unpennetrable (Honduran -SWNS) jungle along the Nic-Hond border" (SWNS April) Goes w/Frente Setiembre, LN-13

## IN MY OPINION

(Robert L. Foxworth, NY) My comments on Apr LN-13 regarding Syncom relays were made right after I had missed an important European logging. I've since logged Syncom, with more Eu pirate relays and they have been IDing more reliably than in the past, or so it seems. I think everyone understands it is not really my intention to turn anyone in, and I would not consider doing that, but at the same time, the pirate operators now understand that this practice of "relays" has caused distress to a number of DXers besides myself (I am probably just about the only one willing to 'go public') and if a pirate will only not give the appearance of misleading anyone, it can only help the free radio movement. It was my earlier impression that Syncom was trying to fool DXers into thinking they had Eu pirates. I've been assured from a number of sources that this impression was mistaken and I apologize to anyone involved for any confusion this may have caused. /// 73, Glenn



# QSL REPORT

Sam Barto, NASWA QSL Editor  
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We have a great many reports this month so let's get right into them. For last minute reports call (203) 589-0083 after 6 PM EST.....Sam.

**ALBANIA:** Radio Tirana 7065 f/d "Revolutionary Spirit" cd. in 3 mo. (Taylor-PA).  
**ANDORRA:** Radio Andorra 6220 f/d "Costume Couple w/ Towers" cd. in 30 ds. for 1 IRC. (Falkenhan-MD). n/d cd. in 64 ds. for 1 IRC. (Sedgeley-CO). in 25 ds. for 1 IRC. (Cucura-PA). in 21 ds. for 1 IRC. (Eastman-TX). World Music Radio 6220 "Red Circle and Radio Dial" cd. in 38 ds. w/ sticker. v/s Lee Alvin. (Falkenhan-MD). in 116 ds. for 2 IRCs w/ sticker. (Hoffman-PA). in 175 ds. for 2 IRCs. (Zeichick-ME). in 170 ds. for 2 IRCs. (Ewenstein-NY). in 3 1/2 mo. (Matthews-OH). in 2 1/2 mo. for 3 IRCs. (Craighead-KS). in 122 ds. for 2 IRCs. (Pineault-QUE). in 112 ds. for 2 IRCs. (Brooker-ONT)...Many of the above reports stated that the QSL was mailed from Denmark. Also WMR is offering T-Shirts (Think I'll look into this...Sam.) cd. in 73 ds. for 2 IRCs. (Reinstein-FL). in 125 ds. for 2 IRCs. (Choroszy-ME). WMR does require at least 2 IRCs for a reply. Adventist World Radio 6220 f/d "Transmitter Site" cd in 56 ds. for 1 IRC. in 23 ds. (Rigas-IL). "Native Dress" cd. in 29 ds. for 2 IRCs. (Lay-VA) "Snow on Pine Tree" cd. in 39 ds. for 2 IRCs. Also rcvd. "Voice of Hope" pennant. (Cucura-PA)...I thought they ran out of these pennant a while ago. Nice going Vlad.

**ANTIGUA:** BBC 6175 "World Radio Club" diploma in 128 ds. (Archer-NC).  
**ARGENTINA:** Radio El Mundo 6120 f/d cd. in 27 ds. for a SP rpt. Station decal also rcvd. (Demmitt-PA).

**ASCENSION ISLAND:** BBC 11860 "World Radio Club" diploma in 128 ds. (Archer-NC).

**ASIATIC RUSSIA:** Radio Moscow via Nikolayevsk-Amur on 15240 and 9780 f/d cd. in 50 ds. (Meyer-WI). via Irkutsk on 11775 cd. in 43 ds. (Gionet-NB). 21530 cd. in 38 ds. (Reitz-KY). 17880 cd. in 6 wks. (Matthews-OH) via Omsk on 17765 f/d "Church" cd. in 60 ds. (Buer-FL). in 7 wks. (Glikman-IL). in 6 wks. (Matthews-OH). via Komsomolsk-on-Amur on 9700 cd. in 60 ds. (Ewenstein-FL). in 5 wks. (Matthews-OH). via Uzhno-Sakhalinsk on 7260 w/ f/d "St. Basil's" cd. in 50 ds. (Meyer-WI). via Vladivostok on 15130 w/ cd. in 6 wks. (Matthews-OH). via Chita on 15385 w/ cd. in 6 wks. (Matthews-OH). via Krasnoyarsk on 7295 cd. in 60 ds. (Meyer-WI). 7380 cd in 47 ds. (Gionet-NB) Not too bad 8 different ASSR sites!!!

**AUSTRALIA:** Radio Australia 9580 "Logo" cd. in 138 ds. for 1 IRC. (Mayer-OH). VLM 4920 f/d "Map" cd. in 13 mo. for 1 IRC. (Kohlbreuner-PA). VLM 9610 via Wanneroo f/d "Map" cd. in 40 ds. for 2 IRC (Burke-VA). in 35ds for 1 IRC. (Gold-NJ). 6WA via Sydney on 15425 no QSL but rcvd. cd. from v/s Peter Barnett, Controller for RA(cont)



## QSL

also from Chris Lobdell

TO: John M. Finnee.

DATE: 22-2-1981

S 2

TIME: 06.33-07.15 GMT

I 2

FREQ: 6230 Kc.

N 2

P 2

F 2

O 2

RADIO  
NOLAN



**HBN**

via Chris Lobdell

**HOLYLAND BROADCASTING NETWORK****HIGH ADVENTURE MINISTRIES**

BOX 7456, VAN NUTS, CA 91406 (213) 994-7161 • BOX 425, STATION "E", TORONTO, ONT. M5H 4E3 CANADA

When reporting to this column try not to write on both sides of your report....Sam.

- AUSTRALIA:** which stated that Listeners Club, Mailbag List and QSLs maybe reintroduced at a later date. (Briscoe-IN). Same data rcvd. from John Huniwell-NJ....Sam.
- AUSTRIA:** ORF 9770 f/d "Adam" cd. in 61 ds. (Mayer-OH). 5945 f/d "Austrian Challenge" cd. and sticker in 70 ds. (Buttrick-CT).
- BELGIUM:** BRT 11980 f/d form ltr. in 2½ mo. (Davis-CA). 21460 f/d cd. in 23 ds. (Rigas-IL).
- BELIZE:** Radio Belize 3285 f/d "Belize Map" cd. in 80 ds. v/s J. Johnson. (Cucura-PA). same in 5 wks. for 2 IRCs and used Canadian stamps. (Kirkland-ONT). in 31 ds. for ms. (Pineault).
- BENIN:** Voice of the Revolution 4870 colorful cd. in 63 ds. for 2 IRCs and EG rpt. (Archer-NC).
- BONAIRE (Netherlands Antilles):** Trans World Radio 9755 f/d "Building" cd. in 30 ds. v/s Steve Rittenhouse. (Demmitt-PA). Radio Nederland 17605 f/d "Three Personages" cd. in 17 ds. for an EG rpt. (Burke-VA). same cd. for 9590 in 61 ds. for 1 IRC. (Reinstein-FL).
- BRASIL:** RadioBras 15290 f/d "Red Sunset" cd. in 126 ds. v/s Berenice de Serva Oteo, Head of the International Service. (Conder-NC). cd. in 2 mo. (Barto-CT). f/d paper cd. w/ decal in 42 ds. (Demmitt-PA). 15290 and 17830 f/d cds. w/ sticker in 18 ds. v/s Reginaldo Azevedo.
- \* (Munster-GA). 17830 cd. and sticker in 28 ds. (Lay-VA). Radio Nacional Tabatinga 4815 2nd verie direct from Brasilia - RadioBras thanking me for rpt. (Klein). Radio Marumby 9675 post cd. in 7 wks. for a PT rpt. v/s Claudio R. Moraes. (Barto-CT). Radio Anhanguera 4915 n/d ltr. in 16 ds. for a PT rpt. and ms. v/s Jose Carlos Silva, Director Artistico. (Dittrich-FL). same in 5 wks. (Leithner-TN). Radio Brasil Central 4985 f/d ltr. in 1 mo. for a PT rpt. v/s Arthur Guilaerme Junior, Coordinacao de Programacao. Arthur has a postcard collection - get the hint. (Leithner-TN). Radio Difusora Taubate 4925 cd. in 42 ds. (Demmitt-PA). cd. in 1 mo. for a PT rpt. and 1 IRC. (Gliksman-IL).
- BYELORUSSIA:** Radio Moscow via Orsha on 5920 f/d cd. in 60 ds. (Meyer-WI). in 60 ds. (Buer-FL). Radio Minsk 9785 f/d folder cd. in 7½ mo. w/ booklet about the area. (Gliksman).
- CAMEROON:** Radio Garoua 5010 f/d form ltr. #84 in 5 mo. for an EG rpt. & ms. (Meyer-WI). ltr. #213 in 103 ds. for 2 IRCs. (Loh-AZ). in 22 wks. for a FR rpt. and 2 IRCs. v/s M. Madji. (Taylor-PA). in 2 mo. for 2 IRCs. (Davis-CA). in 35 ds. for 1 IRC. (Conder-NC). in 41 ds. for 2 IRCs. (Sedgeley-CO). in 110ds for 2 IRCs. (Cucura-PA). Radio Cameroon 4850 f/d "World Map" cd. in 144 ds. for 1 IRC.
- \* (Gionet-NB). Radio Buea 3970 cd. in 3½ yrs (!) for an EG rpt. (Pineault-QUE).
- CANADA:** CFCX 6005 via Cauganawaga "Skyline" cd. in 3 mo. (Leithner-TN). in 72 ds. (Sedgeley-CO). in 65ds (Reitz-KY). in 2½ mo. for ms. (Davis-CA). same in 80 ds. (Green-AL). CHNX 6130 f/d "Scenes of Nova Scotia" cd. in 43 ds. for 1 IRC. v/s Douglass Hiltz, CE.
- \* Stickers also rcvd. (Dittrich-FL). CKFX 6080 f/d "Super Country" cd. in 6 wks. v/s Jack Wiehe (VE7BTO). (Davis-CA). CKZU 6160 f/d "CBC Centre" cd. in 2 wks. v/s D.J. Horne.
- \* (Davis-CA). CFVP 6030 f/d "Skyline" cd. and a personal ltr. in 17 ds. for ms. v/s Charlene Brissom, Programming Dept. (Brooker-ONT). in 53 ds. for 1 IRC. (Meyer-WI). f/d cd. in 1 mo. 100 watts! Now have QSLed all regional Canadian SW outlets (Klein) CFX 6070 f/d "Harbor" cd. in 12 ds. for 1 IRC. (Archer-NC).
- CANARY ISLANDS:** Radio Exterior de Espana 15365 via Tenerife f/d "Greco" cd. in 56 ds. (Reinstein-FL). form ltr. in 40 ds. (Archer-NC).
- CHILE:** Radio Agricultura 9630 f/d prepared cd. in 2 mo. for a SP rpt. and 1 IRC. Pennant also rcvd. (Gliksman-IL). Radio Universidad de Concepcion 6135 verie and small badge type pennant in @ 1 mo. v/s Carlos Godoy Roca.
- CHINA:** Radio Peking 17855 f/d "Temple of Heaven" cd. in 16 ds. (Forman-NY). in 1 mo. w/ "Peihai Park" cd. (Brouillette-MI). in 63 ds. w/ new "Panda Bear" pennant and f/d "Kunming Lake" cd. (Cucura-PA). 17680 "Temple of Heaven" cd. in 21 ds. w/ pennant. (Mayer-OH). 9820 cd. \* in 48 ds. (Gold-NJ). Guizhou PBS 7275 f/d cd. in 1 mo. via Peking. (Matthews-OH).





# RADIO SUTATENZA

**CHINA:** Fujian Front Station of the PLA 4840 f/d "Shipping" cd in 1 mo. (Klein-NJ). 4380 w/cd. of "Tiantan Park in Peking" in 63 ds. via Peking. (Cucura-PA).

**COLOMBIA:** La Voz del Cinaruco 4865 large "Map" cd. in 209 ds for a SP rpt. (Mikell-IL). **Radio Guatapurí** 4815 f/d ltr. in 23 wks. for a SP rpt. and 2 IRCs. v/s Mirian Ochoa Zapata. (Taylor-PA). **Radio Sutatenza** 5075 folder cd. w/ logo in 49 ds. for a SP rpt. and 3 IRCs. v/s Jardany Suarez Ramirez. (Thompson-ONT).

**COSTA RICA:** TIPC 9645 f/d cd. in 61 ds. for EG rpt. (Rigas-IL).

**CUBA:** Radio Habana Cuba 11760 f/d cd. and ltr. in 198 ds. v/s Maria Montero Triana, Head of Correspondence Dept. (Brouillette).

**CYPRUS:** Cyprus Broadcasting Corp. 9585 f/d "Venus de Milo" cd. in 40 ds. for 1 IRC. (Sedgeley-CO). 6155 in 31 ds. for 1 IRC. (Cucura-PA). in 2½ mo. (Klein-NJ).

**CZECHOSLOVAKIA:** Radio Prague 9630 f/d "Costume" cd. in 91 ds. Also rcvd. 372 pg. book. (Demmitt-PA).

**DENMARK:** Radio Denmark 15165 f/d "Aerial Tower" cd. in 3 wks. (Burke-VA). in 14 ds. (Rigas-IL). in 3 wks. (Davis-CA).

**DOECANESE ISLANDS (Rhodes):** VOA 6015 cd. in 12 ds. (D'Angelo-PA). in 17 ds. (Green-AL).

**DOMINICAN REPUBLIC:** Radio Clarin 11700 f/d large "Map" cd. in 121 ds. for an EG rpt. and 2 \* IRCs. (Hoffman-PA). same in 111 ds. for a second rpt. (D'Angelo-PA).

**DUBAI (United Arab Emirates):** Dubai Radio and Colour TV 11755 f/d "Map" cd. in 28 ds. for 2 IRCs. v/s K.F. Fenner. (Ewenstein-NY). in 28 ds. for 2 IRCs. (Witte-CA). in 28 ds. for 1 IRC (Lay-VA). in 1 mo. for 2 IRCs. (Lazarus-LA). same in 30 ds. (Weaser-PA). 9505 cd. in 38 ds. for 2 IRCs. (Reinstein-FL). in 30 ds. (Sedgeley-CO). 11775 f/d cd. in 43 ds. (Conder-NC). 17810 in 34 ds. for 1 IRC. (Eastman-TX). in 3 wks. for 1 IRC. (Kohlbrener-PA). 21700 f/d cd in 3 wks. (Davis-CA). in 32 ds. for 1 IRC. (Pineault-QUE).

**ECUADOR:** HCJB 15155 f/d "House in Guayaquil" cd. in 60 ds. v/s Robert Beukema, Director of Communications. (Falkenhan-MD). same in 108 ds. (no name-fellas don't forget to write your name and State after each report). 9745 and 15155 f/d cds. w/ 50th Anniversary sticker in 5 wks. (Brouillette-MI). **Emisoras Gran Colombia** 4910n/d personal ltr. in 24 ds. for a SP rpt. v/s Nancy Cevallos Castro. (Reitz-KY).

**EGYPT:** Radio Cairo 12050 f/d "Mosque" cd. in 4 mo. (Choroszy-ME).

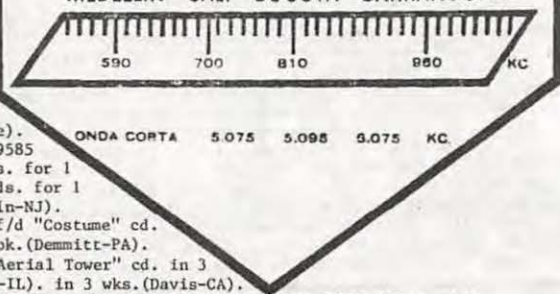
**ENGLAND:** VOA Wofferton 6040 f/d cd. in 8 ds. (Choroszy-ME)... This site must be the most misspelled place name in our hobby. I don't think I've got it right yet!... Sam. BBC 5975 n/d "Bridge" cd. in 27 ds. (Forman-NY). 9510 cd in 1 mo. (Barro-CT). in 128 ds. w/ "World Radio Club" diploma - no pennant but rcvd. a photo of Hatch! (Archer-NC).

above left:  
Red Cross Radio  
Broadcasting  
Service logo  
from Switzer-  
land.



red, white, blue  
and green Radio  
Sutatenza penn-  
ant from south  
of the border  
in Colombia.

MEDELLIN - CALI - BOGOTA - BARRANQUILLA



## TARJETA DE VERIFICACION

Confirmamos su recepción con fecha 29-12-80 de nuestra emisora RADIO TURISMO en la frecuencia de 6.180 KHz banda internacional de 49 mhz Transmisor ubicado 7° 37' longitud Oeste 9° y 15' Latitud Norte 1 km de potencia.

Gracias por su audiencia  
Valera Edo. Trujillo  
Venezuela



A. CHRISTIAN LEITHNER

604 Davin Drive, Brentwood,

TN 37027.

**ENGLAND:** BBC 11775 cd. in 52 ds. (Buttrick-CT). 15260 cd. and posters in @ 1 mo. (Demmitt-PA). 7185, 9410, 6175 & 5975 n/d cd. in 2 mo. for EG rpt. (Dittrich-FL).

**ETHIOPIA:** Voice of Revolutionary Ethiopia 9560 f/d green cd. w/ sked in 10 mo. for 2 IRCs. (Krueger-FL).

**EUROPEAN RUSSIA:** Radio Moscow via Ryazan on 15275 w/ f/d cd. in 7 wks. (Glikman-IL). via Kursk on 17860 "Mishka Bear" cd. in 60 ds. for a rpt. on a CH transmission. (Buer-FL). via Armavir on (freq. please) in 49 ds. (Rigas-IL). via Volgda on 15350 w/ f/d cd. in 55 ds. (Meyer-WI). via Tula on 9610 cd. in 60 ds. (Ewenstein-NY). via Moscow on 9680 cd. in 60 ds. (Ewenstein-NY). 9750 f/d "Hotel and Bus" cd. in 60 ds. UHN says the site is Nikolayev. (Buer-FL)...You take what you get. Hi...Sam. via Kazan on 11950 cd. in 55 ds. (Meyer-WI). via Orenburg on 6090 f/d cd. in 60 ds. for a rpt. on a Russian language transmission. (Buer-FL)...The Soviets don't often verify their foreign language transmissions unless a great many details are included...Sam.

**FEDERAL REPUBLIC OF GERMANY:** Suddeutscher Rundfunk 6030 via Stuttgart f/d folder cd. of "50 Jahre Sender Muhlacker" in 92 ds. for 1 IRC. (Meyer-WI). Deutsche Welle 9650 f/d "Logo" cd in 71 ds. (Petchesky-NY).

**FRANCE:** Radio France International 21515 f/d "Pompidou Center" cd. in 41 ds. for 1 IRC. Also rcvd. station sticker and sked. (Brouillette-MI). 17850 f/d "Architecture" cd. and sticker in 69 ds. v/s L. Malki. (Reinstein-FL). 17860 f/d cd. in 1 mo. w/ pennant. (Davis-CA). 21580 f/d "Le Boulevard Peripherique - Paris" cd. in 22 ds. (Petchesky-NY). in 30 ds. (Rekich).

**FRENCH GUYANA:** FR3 3385 f/d folder cd. in 49 ds. for a FR rpt. and ms. (Falkenhan-MD).

**GABON:** RTG 4777 n/d folder "Map" cd. in 60 ds. for an EG rpt. and 2 IRCs. (Sedgeley-CO).

**GERMAN DEMOCRATIC REPUBLIC:** Radio Berlin International 15240 f/d "Rotes Rathaus" cd. in 43ds (Rigas-IL). 21540 f/d "Discone" cd. in 1 mo. (Barto-CT).

**GREECE:** VOA Kavala 9700 f/d cd. in 24 ds. (Rigas-IL). 11925 cd. in 1 mo. (Burke-VA). Voice of Greece "Poros Island" cd. in 70 ds. (Zeichick-ME). 9655 cd. in 50 ds. (Rigas-IL).

**GUAM:** KTWB 11840 "World Map" cd. in 35ds for 3 IRCs. (Briscoe-IN).

**GUINEA REPUBLIC:** La Voix de la Revolution 15310 f/d ltr. in 78 ds. for an EG rpt. and 2 IRCs. (Reitz-KY).

**GUATEMALA:** Radio Chortis 3380 form ltr. in 1 mo. for a SP rpt. v/s Juan Maria Xhrouet, Director. (Kirkland-ONT). in 15 ds. for a SP rpt. and 2 IRCs. Nice stamps on the ltr. (Witte-CA). La Voz de Guatemala 6180 f/d "Flag" cd. in 19 ds. for a SP rpt. Also rcvd. 50th Anniversary pennant. (Rigas-IL). Union Radio 5980 f/d "Globe" cd. in 5 mo. for an EG rpt. and ms. v/s Olivia de Lopez-Porras, Secretaria. Pennant was also rcvd. (Lazarus-LA). same in 7 mo. for an EG rpt. and 1 IRC. (Mikell-IL). Radio Cultural 3300 cd. in 10 ds. for an EG rpt. (Rigas-IL).

**HAWAII:** WWHV 15000 "Aloha" cd. in 1 mo. v/s C.L. Trembath, Engineer. (Choroszy-ME). in 20 ds. (Briscoe-IN).

**HOLLAND:** Radio Nederland 9590 f/d "Three Personages" cd. in 53 ds. (Demmitt-PA).



**PHILIPS**  
RADIO-LABORATORIES  
EINDHOVEN HOLLAND

PCJ is a crystal-controlled transmitter broadcasting on a frequency of 918 + 100 cycles/sec. (wavelength approx. 333 m).  
Maximum power: 27 kilowatts.  
Philips water-cooled transmitting and rectifying valves.

PCJ commenced operations during March 1927, with the epoch-making transmissions to the Dutch East Indies (20000 km). Since that time PCJ has been honoured with innumerable reports from all parts of the world.

Announcements in: Dutch, English, French, German and Spanish.

The Philips Radio Laboratories wish to convey their appreciation for your kind communication on the subject of their experimental transmission of  
**March 21st, 1931**  
50 year old QSL  
via Henry Shaw!



# Y V I B C

## YOU HAVE HEARD US!

We are pleased to certify that your report about reception of our transmission is correct, and in proof of it we extend this verification.

Trusting that the information contained in this booklet will be of interest to you, we remain.

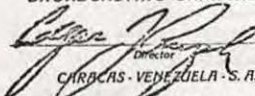
another oldie Very cordially yours.  
from Mr. Shaw BROADCASTING CARACAS

## ¡USTED NOS HA OIDO!

Nos place certificar que su reporte sobre recepción de nuestra transmisión es correcto, y en prueba de ello, extendemos esta verificación.

Esperando que la información contenida en este folleto le sea de interés, quedamos de Ud.

Muy cordialmente.  
BROADCASTING CARACAS

  
CARACAS - VENEZUELA - S. A.

MAY 1933 193

QSL COLUMN REPORT FORMS ARE AVAILABLE  
FROM YOUR EDITOR FOR AN SASE.....Sam

  
**RADIO ANHANGUERA**  
AV. GOIÁS N° 345 TEL. 225 1233 (PARÁ) TELEX 082219 - C.R. POSTAL 13

**HOLLAND:** Radio Nolan International 6270 orange f/d cd. and a ltr. in 1 mo. for 3 IRCs. 50 watts! Station operator still must serve a jail sentence  
 \* for a raid last year! Thats dedication!!! v/s Ronnie Nolan.  
 (Lobdell-MA). in 39 ds. for 1 IRC. (Fisher-MA).  
 in 30 ds. for 3 IRCs. (Krueger-FL).

**HONDURAS:** La Voz de la Mosquitia 4910 prepared  
 \* cd. in 40 ds. for a SP rpt. and 2 IRCs. v/s  
 Rev. L. Wilkerson. (Tuchscherer-WI)...Nice!

**ICELAND:** ISBS 12175 f/d "Autumn in Thingvellir"  
 cd. in 78 ds. for 2 IRCs. (Reinstein-FL).

**INDIA:** All India Radio 15110 f/d "Mural in the Lake Palace at Udaipur" cd. in 80 ds. (Petchesky).

**IRAN:** Voice of the Iranian Revolution 9022 f/d "2nd Anniversary of the Revolution" cd. in 28 ds. (Demmitt-PA). f/d cd. in 37 ds. w/ a photo of Khomeini waving. (Demmitt-PA).

**IRAQ:** Radio Baghdad International 9745 f/d folder cd. w/ sked and map in 66 ds. (Conder-NC). in 72 ds. w/ pennant. (Dittrich-FL). in 63 ds. for 1 IRC. (Reinstein-FL). large folder cd. in 2 mo. for 1 IRC. (Craighead-KS).

**IRELAND:** Radio Dublin 6317 f/d cd. in 57 ds. for 2 IRCs. The verie arrived w/ \$.50 postage due! (Glonet-NB). in 6 wks. for 2 IRCs. (Wolfish-ONT). f/d "Map" cd. in 21 ds. for 2 IRCs. v/s Angie Meier. Station is requesting clippings of articles concerning their operations. (Ewenstein-NY). in 27ds. for 2 IRCs. (Mikell-IL). 6287 f/d cd. in 23 ds. for 3 IRCs. (Reinstein-FL). in 24 ds. for 2 IRCs. (Lay-VA). 6290 f/d "Map" cd. in 30 ds. for 3 IRCs. (Krueger-FL). in 3 wks. for 1 IRC. (Gliksman-IL). 6315 cd. and sticker in 38 ds. for 1 IRC. (Pineault-QUE). cd., ltr. and sticker in @ 1 mo. for 2 IRCs. (Taylor-PA). f/d cd. in 1 1/2 mo. w/ station sticker. (Klein-NJ).

**ISRAEL:** IHA 11654, 11637 and 9372 f/d "Jewish Workers in Tel Aviv" cd. \* in 24 ds. (Cucura-PA). Galei-Zahal (Defense Forces) 14728.1 f/d "Test Transmission" cd. in 51 ds. (Munster-GA). f/d "Map" cd. in 46 ds. for 3 IRCs. (Krueger-FL)...Very nice fellas!

**ITALY:** United Nations Radio via RAI 11800 f/d cd. in 5 mo. for 3 IRCs. (Matthews-OH). RAI 11800 f/d cd. in 217 ds. (Rigas-IL). f/d "Bernini Art" cd. in 9 mo. (Choroszy-ME). 15330 cd. in 147 ds. (Rigas-IL).

**JAVA:** Voice of Indonesia 15200 "Highlands of Tenger and Mount Bromo in East Java" cd. in 76 ds. for 2 IRCs. (Lentz-WI).

**KOREA, REPUBLIC OF:** Radio Korea 9720 f/d "Water Jar" cd. w/ pennant in 61 ds. for 2 IRCs. (Green-AL). 9570 f/d "KBS" cd. w/ mini-orange and green pennant in 200 ds. Schedule also rcvd. (Thompson-ONT).

**LEBANON:** Voice of Hope/King of Hope 6215 from Valley of the Springs f/d ltr. in 6 wks. for 2 IRCs. Ltr. was sent from Hotel Arazim, Metulla, Israel. v/s Charles Pollak, Vice President and General Manager. (Lazarus-LA). friendly f/d ltr. in 25 ds. for 2 IRCs. (Lay-VA). ltr. in 45 ds. (Fisher-MA). in 5 wks. for 3 IRCs. (Lobdell).

**LIBERIA:** ELBC 3255 f/d large blue cd. in 11 mo. (3 1/2 mo. after a follow-up) for ms. (Lobdell-MA). in 5 1/2 mo. (1 mo. after a follow-up and ms.) for 2 IRCs. (Lazarus-LA). VOA 17870 via Monrovia w/ f/d "VOA Building" cd. in 9 ds. (Reinstein-FL).

**LIBYA:** LJBC 15235 f/d "5 Scenes" cd. in 126 ds. for an EG rpt. (Glonet-NB).

**LITHUANIAN SSR:** Radio Moscow via Kaunas on 11860 w/ f/d "Mishka Bear" cd. in 66 ds. (Buer-FL). Radio Vilnius 7150 f/d cd. in 78 ds. (Rigas-IL). 15100 f/d cd. in 61 ds. w/ Lietuvos pennant. (Demmitt-PA)...Great on the pennant. These are fairly hard to come by...Sam.

**LUXEMBOURG:** Radio Luxembourg 6090 f/d "Antenna" cd. in 75 ds. (Conder-NC).

**MALAGASY REPUBLIC:** Radio Nederland 15220 f/d "Three Personnages - Modern Art" cd. in 18 ds. (Conder-NC). 15560 f/d "Appell Art" cd. in 22 ds. (Choroszy-ME).

**MALDIVES:** Voice of Maldives 4754 blue paper cd. in 3 1/2 mo. for 1 IRC. Received via registered \* mail. (Gliksman-IL). in 13 wks. for 3 IRCs. (Howard-CA)...Nice catch!

**MALI:** Radio Nationale du Mali 5995 n/d "Map" cd. in 75 ds. for a FR rpt. and 2 IRCs. (Dittrich-FL). in 62 ds. for an EG rpt. and 2 IRCs. (Green-AL). in 2 mo. after a follow up for a FR rpt. (Leithner-TN). 7110 cd. in 43 ds. for 2 IRCs. (Rigas-IL). 5995 and 4837 "Map" cd. in 38 ds. for 2 IRCs. (Lunna-VT).

**MALTA:** Xandir Malta 9670 f/d form ltr. in 44 ds. for 1 IRC. which was returned v/s Victor Aquiliana. (Loh-AZ). IBRA Radio via Radio Mediterran on 9515 w/ f/d "Reaching Africa" cd. in 90 ds. for 1 IRC. (Meyer-WI).

**MEXICO:** Mexico International 15430 f/d cd. and sticker in 62 ds. for 1 IRC. (Reinstein-FL). 17770 cd in 62 ds. w/ sticker. (Demmitt-PA).



This is the new multi-colored pennant from Radio Korea



Seoul Korea

**MOLUCCA**(Celebes Islands): **RRI Ternate 3345** f/d form ltr. in 78 ds. for an IN rpt. and ms. v/s Rusdy Bachmid, Head of the Broadcasting Section. (Hensley-TX).

**MONACO: Trans World Radio 9495** f/d "View of Monte Carlo" cd. in 25 ds. for 2 IRCs. and an EG rpt. (Mayhugh-NC).

**MONGOLIA: Radio Ulan Bator 11825** f/d "Mongolian Horseman" cd. in 4 mo. w/ pennant. (Archer-NC). same in 88 ds. (Lunna-VT). in 94 ds. w/ f/d "State Ballet and Opera Theatre" cd. w/ pennant. (Demmitt-PA).

**NAMIBIA: Radio South West Africa 3270** f/d cd. of "Mountain Fire in Khomas" in 6 wks. (Davis-CA). 4965 same cd. in 3 mo. for my 3rd rpt. Mint stamps also recd. (Kirkland-ONT).

**NEW BRITAIN: Radio East New Britain 5985** f/d "Map" cd. in 2½ mo. for 2 IRCs. (O'Riordan).

**NEW CALEDONIA: FR3 7170** n/d form ltr. in 106 ds. for a FR rpt. (Falkenhan-MD). in 1 mo. for a FR rpt. and 2 IRCs. (Davis-CA). in 74 ds. for 2 IRCs. (Clearman-WA).

**NEW ZEALAND: Radio New Zealand 15485** f/d "Lake and Mountain" cd. in 3 wks. for 3 IRCs. RNZ requests 4 IRCs for an airmail reply. (Burke-VA). 11760 f/d "Dairy Farming" cd. in 24 ds. for 1 IRC. (Rekich-IL).

**NICARAGUA: La Voz de Nicaragua 5950** n/d ltr. and pennant in 2 mo. v/s Eustasio Sanchez. (Matthews-OH). same in 34 ds. for a SP rpt. and 2 IRCs. (Pineault-QUE). in 60 ds. (Gionet-NB). in 79 ds. for an EG rpt. and 1 IRC.

**NIGER: ORTN 5020 "Map"** cd. in 6 wks. (Lunna-VT). for a FR rpt, tape and ms. Same cd. they used in 1970. (Lobdell-MA). in 1 mo. for an EG rpt. and 2 IRCs. (Forth-IL).

**NORWAY: Radio Norway 17840 (LLJ-4)** f/d "Heddal Stave Church" cd. in 3 wks. (Barto-CT). 11860 f/d "Winter in Norway" cd. in 50 ds. v/s G. Thokle, Shortwave Division. (Reinstein-FL).

**OMAN: BBC 11955** n/d "Thames" cd. in 3 wks. (Davis-CA).

**PAKISTAN: Radio Pakistan 21730** f/d "Monument" cd. in 63 ds. (Conder-NC). 21755 f/d "Craftsman" cd. in 95 ds. (Choroszy-ME).

**PAPUA NEW GUINEA: Radio Madang 3260** f/d "NBC Map" cd. in 3 wks. for ms. v/s L.V. Sambure, Assistant Manager. (Lazarus-LA). NBC 4890 cd. in 57 ds. for 2 IRCs. (Lunna-VT).

**PARAGUAY: Radio Nacional 11914** form ltr. in 5 wks. via registered mail for a SP rpt. and ms. v/s Carlos Tomas Montaner, Jefe Tecnico. (Lobdell-MA). 11915 ltr. in 6 wks. for 1 IRC. \* (Kohlbrener-PA). in 36 ds. for a SP rpt. (Bryant-IL). in 1 mo. for a SP rpt. and 2 IRCs. (Tuchschere-WI). in 27 ds. for a SP rpt. and 2 IRCs. (Fisher-MA). ltr. in 3 wks. for a SP rpt. and ms. This is C/V #186 for me! (Craighead-KS).

**PERU: Radio Tropical 4935** "Microphone" cd. in 1½ mo. for a SP rpt. and ms. v/s Juan Pablo Mori, Gerente Propietario. Instead of postage on the envelope there was an IRC postmarked San Antonio, TX 1972! (Craighead-KS).

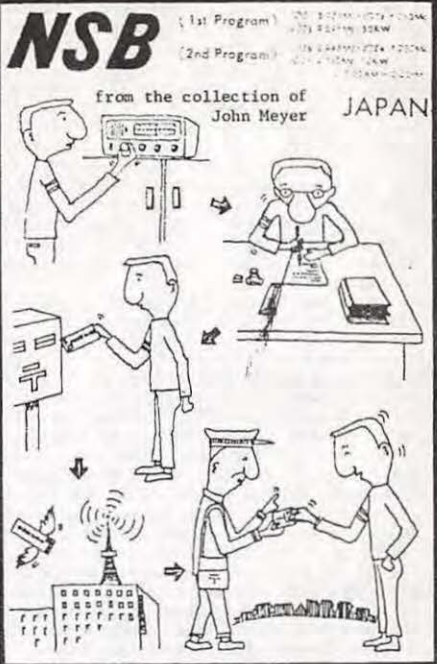
\* **Radio Imagen 5035** ltr. and pennant in 3 wks. for a SP rpt. and ms. (Forth-IL).

**PHILIPPINES: VOA Poro** 9545 f/d cd. in 24 ds. (Rigas-IL). **AFRTS Poro 26000** cd. in 1 wk. (Matthews-OH).

**VOA Tinang 17820** cd. in 3 wks. (Burke-VA).

**PORTUGAL: Radio Portugal 11925** f/d "Aquadrio Vasco da Gama" cd. in 2½ mo. (Davis)

**RADIO MAM**  
4025 Kcs  
Escuelas Radiofónicas Cubicón - Huitza  
CABRICAN - Quetzaltenango  
Guatemala, C. A.



# SOLOMON ISLANDS BROADCASTING CO

QSL CONFIRMATION Date: 21/5/79

This confirms your reception of:-

9545 kHz; on \_\_\_\_\_ from \_\_\_\_\_ (G.M.T.)  
5020 kHz; on 21/2/79 from 0820 (G.M.T.)  
1030 kHz; on \_\_\_\_\_ from \_\_\_\_\_ (G.M.T.)  
; on \_\_\_\_\_ from \_\_\_\_\_ (G.M.T.)

The transmission had an aerial power of 5 kilowatts. Thank you for your report, and we wish you good DX'ing.

S.I.B.C.

P O Box 654, HONIARA. S.I.

SIBC/20.



To J.R. Meyer  
P.O. Box 996  
HOMER  
ALASKA 99603  
USA



**PORTUGAL:** IBRA Radio 9670 via Radio Trans Europa "Map" cd. in 84 ds. (Zeichick-  
\* ME). Radio Renascença 11745 f/d "Antenna" cd. in 45 ds. for an EG rpt.  
and 2 IRCs. (Tuchscherer-WI).

**ROMANIA:** Radio Bucharest 9570 "Painting by Dimitrie Gavrilu-  
anu" cd. in 57 ds. (Buttrick-CT). cd. in 110 ds.  
(Falkenhan-MD). f/d cd. of "Moldava Spa" in  
95 ds. for 2 IRCs. (Mayhugh-NC).

**RWANDA:** Deutsche Welle 17895 n/d  
cd. in 30 ds. w/ nice  
pennant. (Sedgeley-CO).

**SARAWAK:** Radio Malaysia 4950  
cd. in 1 mo. for an EG rpt.  
and 2 IRCs. (Forth-IL).

**SAUDI ARABIA:** BSKSA 15060 n/d  
ltr. in 83 ds. for 2 IRCs.  
v/s A.M. Swailem. (Green-AL).

**SCOTLAND:** Weekend Music Radio f/d  
\* ltr. in 40 ds. 20 watts!!! (Marshall)  
**SEYCHELLES:** FEBA 15400 n/d "Map" -GA  
cd. in 2 mo. for 3 IRCs. (Davis-CA).

**SICILY:** RAI 7175 f/d "Gian Lorenzo Berni-  
ni Statue" cd. in 7 mo. (Mikell-IL).

**SIERRA LEONE:** SLBS 5980 f/d ltr. in 58 ds.  
for 2 IRCs. v/s J.D. Rhodes, Director Gen-  
eral and Professional Head (!) (Reinstein-FL).  
in 2 mo. for 2 IRCs. (Davis-CA). in 41 ds. for  
3 IRCs. (Rigas-IL). in 5 wks. for 2 IRCs. (Forth-IL).

**SINGAPORE:** Radio Singapore 11940 "Logo" cd. in 37  
ds. for 2 IRCs. (Mikell-IL). BBC 15360 "WRC Dip-  
loma" in 128 ds. (Archer-NC). 17715 n/d "Bridge" cd  
in 2 mo. for 2 IRCs. (Green-AL).

**SOLOMON ISLANDS:** SIBC 5020 f/d "Logo" cd. in 2 wks. for  
2 IRCs. (Davis-CA). in 24 ds. for 2 IRCs. (Loh-AZ). in  
23 ds. for 2 IRCs. (Briscoe-IN).

**SOUTH AFRICA:** Radio Five 3250 f/d "Industries" cd. in 63 ds.  
for 1 IRC. v/s A. Van Wyk. (Reitz-KY). Radio RSA 15325 f/d  
"African Elephant" cd. in 30 ds. (Rigas-IL). Capital Radio  
11750 cd. and sticker in 2½ mo. for 1 IRC. (Gliksman-IL).

**SOUTH AFRICA:** ZUO 5000 form ltr. in 1½ mo. for 1 IRC. v/s R. Lake. (Klein-NJ)  
**SPAIN:** Radio Exterior de Espana 11880 f/d cd. in 68 ds. for 2 IRCs  
(Kretschmer-IA). 9630 cd. and pennant in 45 ds. (Demmitt-PA).

**SRI LANKA:** VOA Colombo 9645 f/d cd. in 2 wks. (Davis-CA).

**SURINAM:** Radio SRS 4850 f/d ltr. in 3 wks. v/s Roy J. Zachusschen, QSL  
Manager. (Davis-CA). ltr. and stickers in 2 mo. for 2 IRCs. (name?)  
same in 52 ds. for 2 IRCs. (Mayhugh-NC). Radio Apintie 5005 ltr. in 34  
ds. (Mikell-IL). ltr. and pennant in 43 ds. (Dittrich-FL). ltr. and photo  
in 30 ds. for 1 IRC. v/s E. Vervuurt, Director. (Wolfish-ONT). 5006 ltr.  
in 7 wks. (Davis-CA). ltr. and pennant in 40 ds. (Loh-AZ). ltr., pennant and  
XMAS cd. in 34 ds. for an EG rpt. and 2 IRCs. (Cucura-PA).

**SWAZILAND:** Radio SR 6155 f/d "Warr-or" cd. in 53 ds. for 1 IRC. v/s Bill Cook-  
son, Chief Engineer. (Howard-CA).

**SWEDEN:** Radio Sweden 9695 and 11705 f/d "Do-it-yourself" cd. in 35 ds. for 2 IRCs  
Also recvd. pennant and sticker. (Clearman-WA). 11705 and 21615 same type cd. in  
25 and 19 ds. (Buttrick-CT).

**SWITZERLAND:** Swiss Radio International 9725 f/d "Mountain Lake" cd. in 65 ds. (Rekich)  
9725 "Lake Locarno" cd. in 48 ds. (Buttrick-CT). Red Cross Broadcasting Service 7210  
f/d "World Globe w/ Earphones" cd. in 41 ds. for 2 IRCs. (Clearman-WA). United Nations  
Radio 14500 via Prangins f/d "Logo" cd. in 15 ds. (Buer-FL).

**TAHITI:** FR3 15170 f/d "Island Girl" cd. in 35 ds. for 1 IRC. (Loh-AZ). f/d cd. in 37 ds.  
for an EG rpt. and 2 IRCs. (Sedgeley-CO).

**TAIWAN:** Voice of Free China 15270 "Vase" cd. and pennant in 28 ds. (Petchesky-NY). "Butterfly"  
cd. and pennant in 29 ds. (Conder-NC). in 83 ds. w/ 2 different pennants. (Demmitt-PA). 7130  
9765, 11745, 11825, 11860 f/d "Incense Burner" cd. in 6 wks. w/ pin and pennant. (Barto-CT).  
via Chris Leithner



**Rádio Anhanguera**

15345 "Butterfly" cd. w/ pin, pennant and sticker  
in 29 ds. for 1 IRC. (Lentz-WI).  
**TANGIER:** VOA 11715 f/d cd. in 24 ds. (Rigas-IL).  
in 10 ds. (Kohlbreuner-PA). 15205 cd. in 3  
wks. (Burke-VA). RTVM 21725 "Map" cd. in 66  
ds. for a tape and 2 IRCs. (Lunna-VT).  
According to Mike Dayen and the WRTVH all  
RTVM transmissions since late 1978 originate  
from the Tangier site...Thanks Mike.



TOGO: Radio Togo 5047 f/d "Map" cd. in 100 ds. for a FR rpt. and ms. (Ewenstein-NY).

TURKEY: Voice of Turkey 9725 f/d "Tapestry" cd. in 70 ds.

\* for 1 IRC. (Reinstein-FL). Voice of Meteorology 6900

p/d form ltr. in 45 ds. for 1 IRC and ms. v/s M. Cemil Ozgul, Director General. (Vranes-PA).

UKRAINIAN SSR: Radio Kiev 9750 f/d cd. in 86 ds. (Demmitt-PA). 7150 f/d "Hotel Lybid" cd. in 58 ds. (Rigas-IL). 17870 f/d "Slavutich Hotel" cd. in 67 ds. (Mayhugh-NC). 7205 cd. in 42 ds (Buttrick-CT). Radio Moscow via Kiev on 9800 cd. in 60 ds. (Ewenstein-NY). 7165 cd. in 5wk (Davis-CA). via Simferopol 17810 f/d "St. Basils" cd. in 77 ds. (Reynolds-NY).

UNITED ARAB EMIRATES: Voice of the United Arab Emirates 9695 via Abu Dhabi p/d ltr. in 2 mo

\* v/s Mohamed Al Mazroie, Director. (Matthews-OH)....Sorry for listing this under Dubai last month Bill. This is sure a much tougher catch...Sam.

UPPER VOLTA: Radio Voltaïque 4815 form ltr. in 5 wks.

for a FR/EG rpt. (Kirkland-ONT). in 42 ds. (Choroszy).

USA: WYFR 15440 f/d cd. in 22 ds. (Demmitt-PA). KVHF 6420

f/d cd. and ltr. in 1 mo. (Barto-CT). Syncom Radio 6280 f/d

\* ltr. in 20 ds. (Rekich-IL). Surfside Radio 6225 f/d "Beach" postcard in 12 ds. for a phone call to the station. This is FL's newest pirate. (Krueger-FL).

USSR: Radio Moscow 15455 cd. in 51 ds. (Clearman-WA). 11860 cd. in 55 ds. (Buttrick-CT). Most of the time, if requested, Radio Moscow will list the transmitter site on your QSL - but it must be requested...Sam. Radio Station Peace and Progress 11790 f/d "Three Fists" cd. in 1 mo. (Taylor-PA). cd. in 40 ds. (Rekich). cd. in 39 ds. (Reinecker-PA). Received a non-QSL from Radio Moscow stating that they do not broadcast on 5045kHz. (Barto-CT). (Davis-CA)

UZBEK: Radio Tashkent 6025 f/d cd. in 59 ds. (Gold-NJ). cd. in 60 ds. (Rekich). cd. in 6 wks.

VANUATU: Radio Vanuatu 3945 and 7260 f/d "Tam-Tam" cd. in 2 mo. for 3 IRCs. v/s I.J. Irving.

(Davis-CA). 7260 cd. in 126 ds. for ms. (Falkenhan-MD).

VATICAN: Radio Vatican f/d cd. in 21 ds. (Rekich).

VENEZUELA: Radio Sensacion 6000 personal ltr. in 2 mo. for a SP rpt. and ms. Station sticker and colorful pennant was also recvd. v/s Reinaldo Arreaza Almenar, Director General. (Lobdell-MA). Radio Occidente 3225 ltr. in 33 ds. for a SP rpt. v/s Berta Puente A. (Mikell-IL). La Voz de El Tigre 3255 ltr. and sticker in 66 ds. for SP rpt. (Dittrich-FL).

VIETNAM, SOCIALIST REPUBLIC OF: Voice of Vietnam 10080 f/d paper cd. in 113 ds. (Bergadano-NY). cd. in 7 mo. (Archer-NC) (Yes, they do send f/d cds. at times). 15012 cd. in 6 mo. for an EG rpt. (Choroszy-ME).

WEST IRIAN: RRI Wamena 5043 n/d personal ltr. in 9 mo. for an IN rpt. and ms. v/s Gustaf \* Sawaki. This was my second QSL for the same reception. (Lazarus-LA).

YEMEN ARAB REPUBLIC: Radio Sana'a 9780 f/d form ltr. in 299 ds. for an EG rpt. (Gionet-NB).

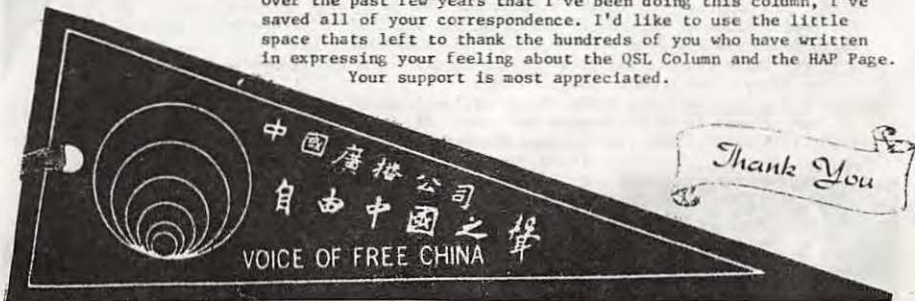
ZAMBIA: Radio Zambia 4910 cd. in 73 ds. after 2½ yrs. of reports! (Witte-CA).

**NOTE:** This month we had @ 117 countries reported. Thats a pretty fair amount. Good going!!!

Bruce Ewenstein wants to know if any of our members use Arabic language reporting forms. I presume they are out there but I haven't seen any...Sam. Jim Davis of 1314 Camphor Ln. Davis, CA. 95616 has had some trouble in verifying Grenada, Yugoslavia, Mozambique, Guyana, Lesotho, Tunisia, Biak and Kota Kinabalu. Grenada, Mozambique and Tunisia haven't been reported very often. The others show up every so often. Just keep plugging away!

**VERIFICATION SIGNERS:** All India Radio - Lucknow 3204 V.K. Sharma; Radio Guatapur 4815 Miriam Ochoa Zapata; Kind of short this time around but we'll try to gather more next time.

Over the past few years that I've been doing this column, I've saved all of your correspondence. I'd like to use the little space that's left to thank the hundreds of you who have written in expressing your feeling about the QSL Column and the HAP Page. Your support is most appreciated.



**HAP BID WINNERS:** P. Donegan(276,281,291) D. Moore(295,317) M. Williams(273,297,334), H. Johnson(290,314,323) C. White(274,280,309,321,322,325,326,329,330,333) F. Wheeler(300,305,308,319) C. Sargent(292,306,331,332) E. Matthews(288) R. Dale(282) G. Tokarchick(299,311,328) F. Kohlbrener(327) D. Park(298,313) T. Semesky(275,286,287,289,294,315,324) S. Leite(277) J. Pascoe(320) M. Reid(316,318) M. Schlesinger(301) G. Walton(312) T. Adams(310) S. Meador(307) R. Kramer(278,279,284,285) T. Whetston(303) K. Manon(304) R. Schukai(283) D. Sampson(293) C. Wooten(296) and M. Strickert(302)....Thank you from HAP gentlemen!

**HAP BID ITEMS:** #398: CX140 R. Zorrilla de San Martin cloth pennant (6x9.5") blue, white, yellow fine item! #399: LUB R. Del Sur (Argentina) cloth pennant (11x12.5") m/c, super sized beauty. #400: 41P (Australia) T-Shirt(M) "Share Queensland with a Friend" jet black, yellow. #401: same as 400 T-Shirt(S) same logo, jet black, green. #402: YSR(EI Salvador) cloth pennant(6x9") 36W, green-beauty! #403: VOFC-BCC(Taiwan) cloth pennant(4.5x8.5") green, white, yellow. #404: KCCN(Hawaii) sticker(4x15") m/c-super looking! #405: WIAI stickers, 4 different. #406: 4ZA (New Zealand) R. Southland sticker, m/c, sharp looking! #407: WNON ice-scraper, black, red. #408: WNON ice-scraper, black, blue. #409: 2WL(Australia) poster, m/c. #410: 2WL sticker(4"cir) m/c-rare! #411: SER Radio(Spain) cloth pennant(4x5.5") m/c. #412: KPOI(Hawaii) sticker w/ DJ autograph of T. Adams, m/c. #413: KPOI(Hawaii) iron-on patch, m/c. #414: BBC-R. Newcastle decal(4x5") blue, white. #415: RCI "Production Team Photos" of NA, Africa and Western Europe (4.5x9") B&W-sharp! #416: R. San Sebastian(Spain) paper pennant(4x6") B&W, blue. #417: KNX sticker(4x5.5") B&W, yellow-rare! #418: Ecos del Torbes(Venezuela) decal(2x6.5") m/c. #419: R. Peking pin, gold, white. #420: R. Peking pin, blue, gold. #421: BBC-R. Newcastle paper banner(2.5x11.5") m/c. #422: Gamma Radio(Italy) sticker(2.5x4.5") m/c-nice! #423: R. Nederland "DX Team Photo" postcard w/ autographs m/c. #424: VOFC QSL cards, 3 different! beauties! #425: WNON pen - nice! #426: R. Dublin(Ireland) sticker(4.5"cir) blue, white. #427: VOFC pin, silver-sharp! #428: VOFC tie pin-beauty! #429: KZAM metal badge "5th Anniversary"(2"cir) m/c. #430: WNIU magnet badge(1.5"cir). #431: 2GB(Australia) balloons, 2 different, m/c. #432: 3CV (Australia) sticker, large sized, yellow, black. #433: R. Nederland stickers, 3 different "Yo Escuchó", "Espacio DX-ista" and one in Arabic! m/c. #434: R. Nederland stick pin, m/c. #435: R. Nederland cork-inlaid hot-plate for drinks(4x4") brown, silver-super item! #436: R. Nederland 7 different postcards! m/c. #437: WCTC/WMR key chain! 1976 Edition! m/c. #438: WCTC key chain "25th Anniversary Record" silver, black. #439: R. Skaraborg(Sweden) T-Shirt(S) black & yellow - long length - great for a child!! #440: same as 439 except length is short. #441: R. Skaraborg sticker "Geese" yellow, black-beautiful! #442: R. Moncov cloth pennant(3x5.5") red, white, blue. #443: 2MCE(Australia) sticker(3x6.5") black, green-rare! #444: R. Clarin(Dominican Rep.) cloth pennant(6.5x14") m/c-sharp! #445: KKKL T-Shirt(L) m/c. #446: R. Forth (Scotland) "Telephone pen" black, orange-unique. #447: Piccadilly Radio(UK) T-Shirt(S-M) m/c-very sharp! #448: R. Forth(Scotland) key chain "45 RPM Record" m/c-nice! #449: Piccadilly R. decal(5"cir) m/c-sharp! #450: Piccadilly Radio sticker, m/c, over 4' long!!! #451: R. Forth (Scotland) T-Shirt(S) black, red-super for a child! #452: Manx Radio(Tale of Mann) T-Shirt(M) m/c - super item!! #453: Manx Radio sticker(3"cir) m/c. #454: Manx Radio decal(2x7") m/c. #455: Manx Radio decal(2x9") m/c. #456: R. Trent(UK) metal badge(2.5"cir) blue, B&W-beauty! #457: Swansea Sound(UK) decal, m/c(4"cir)-super looking!...Hope you find something here...Sam

**DIRECT SALE ITEMS:** The following stickers/decals are being offered at \$.25 each or any five (5) for \$1.00: Piccadilly Radio, Radio Trent, Abertawe Radio, WNON, KKKH, KROK, WCMG, WGH, KGW, KISW, KUIK, CKAN, BBC Radio Victory, BBC Radio Medway, Swiss Radio International, WDCR, WCOZ, WHUM, WJDY, R. Benelux banner, WHAS (large), WHAS (small), WNGM, KREM (large), KREM (small), Canadian Forces Network in Germany, KLZ, WGLB, KINK, WCUZ, WRKO, KWWE (small), KWWE (large), WVON, WKHI, KOHI, WSBA, CBE, WLPX, KSHE (small), KSHE (large), WJEJ, WMD, WAYZ, WPGC, Radio Budapest, CKNW, WNDU, Radio Teles, WYNN, Radio Vatican, KNIX (large), KNIX (small), WNNI, WOH, KLOR, KROY, WRCK, WEFM, KZOK, WRBR, WYSL, WWSW, WPER (large), WPER (small), WNET, WLS, WOKW, WRPK, KYMS, WCAV, EJR, WHAL, WEEU, WRTJ, WCFL (large), WCFL (small), WDET (large), WDET (small)....Hope there is something here for you!!

The following stickers/decals are being offered at \$.50 each: Oceania: 8DN, 2HD, 12M, 22G, 32M, 2GB, 3AH, ABW-TV, 6WF, ABC-FM Perth, ABC-FM Launceston...Europe: Radio Skaraborg, Downtown Radio, Radio Trent, Radio Clyde...Could there be something here for you?...Sam.

**MORE DIRECT SALE ITEMS:** These items are available for the quoted prices: WLS and KREM plastic ID cards at \$.25 each; Voice of Syncom mini-poster at \$.25; European Music Radio banner at \$.25 each (we have these in 3 different colors - red, black or blue; KLOS "Too Hip" sticker at \$.50; ORF(Austria) pin at \$.50; Radio Canada International decal at \$.50; WHBO "Banana" decal at \$.50; Radio France International sticker at \$.50 (we have this item in triangular or rectangular pattern; CKEY "Rainbow" decal at \$.50; Radio Nederland sticker at \$.50; WRCK "Napkins" at \$.25;...Something here you may desire?...Sam.

**DIRECT SALE SPECIALS:** USA SPECIAL (my choice) 6 different stickers/decals for \$1.00; 13 different for \$2.00 or 21 different for \$3.00...ITALIAN SPECIAL (my choice) 4 different stickers/decals for \$1.00 or 9 different for \$2.00.

**ADDRESS:** Send your bids and orders for direct sale items to Sam Barto, 460 Emmett St. B-19, Bristol, CT. USA 06010. Bidding will close during the first week of June...Sam.

**HAP THANKS:** The following generous individuals have helped us in the past month by donating various articles for our monthly sales: Kevin Mikkell, Kevin Meyer, Jim Green, Harry Helms, Steve Shaffer, Tom Haskett, Charles George, and David Lueking...Thank you so very much!

# update

May 1981\*\*\*Number 90

Tom Alleman  
615 W. 43rd Terr., Apt. 6  
Kansas City, MO 64111 USA  
(816) 931-5943 7-10 p.m. Central Time

UPCOMING DEADLINES: 10 May (Mid-May) 24 May (June) 10 June (Mid-June)

Reproduction permitted provided credit is given original reporter and NASWA UPDATE. Dates, times and days are GMT; freqs are kHz.

**ARGENTINA** R. Nacional, 6060, in SP 0845; local mx, into nx abt space shuttle countdown. Vy good. (Jack Jones, MS 4-12)

**BRAZIL** R. Nac. San Gabriel, 3375, in PT 0155; good. Nice EzL mx, ballads, W anncr, M w/ ID at 0230. (Brian Alexander, PA 4-8)---Same at 0040; fair to good. Nice ballad mx, M anncr w/ TC/ID/anncmts and more mx. (Stu Klein, NJ) +++Rdf Maranhao, 4756, in PT 0015-35; soccer \*\*\*ID w/ fast talking anncr. Jingle IDs. (Alexander, PA 4-9) +++Radio Por Um Mundo Melhor, 4855, in PT 2353-0031 per phone tip from Stu Klein; pgm of mostly Brazilian songs (one US number), anncmts by M and some recorded ads. Many TCs. Recorded IDs by M 0002 and 0031 w/ mention of freqs, stn name, city and state. No sign of Neiva. Tnx Klein. (Henry Lazarus, LA 4-9)--- Same at 0135, fair. M anncr w/ talks, ID, into ballad. Starting to fade. TC/ID after each selection. (Klein, NJ)\*\*\*Same tentatively here amid much banging and crashing. No firm copy yet. tba\*\*\*R. Journal do Brasil, 4875, in PT 2350-0029, tnx also Klein; pgm of US and Brazilian pops w/ anncmts by M and some ads. Numerous mentions of Journal do Brasil. Many TCs. Recorded singing ID 0029 w/ mention of stn name, city and freqs. Vy strong and clear. No QRM from Colombians. (Lazarus, LA 4-6) +++ R. Relogio Federal, 4905, in PT 0030' fair w/ UTE QRM. M anncr w/ talk and nx. Pips at each minute, w/ time anncmts. (Klein, NJ)+++Rdf Taubate, 4925, in PT 0240; US and local pops, jingles, ads and M DJ. (Alexander, PA 4-8) \*\*\*what's become of Drageo do Mar here? A year ago at this time they dominated this freq during local evenings. tba\*\*\*Rdf Pocos de Caldas, 4945, in PT 2350; very good. Local ballads to hour, canned ID by M giving MW and SW freqs. (Klein, NJ) +++ R. Cult. Campos, 4956, tentative in PT 0840-0910; talks by M, organ mx. Possibly a religious pgm. Strong but no ID hrd. (Alexander, PA 3-28) +++(MISSORT) R. Journal do Brasil, 4875, in PT 2350; very good. Local ballads, M anncr w/ frequent ID/TC combos, station jingles, etc. (Klein, NJ) +++RNBrasilia, 15445, in PT 2335; very good. Brazilian pops, ID, ads. Echo-effect anncmts. (Alexander, PA 4-11)

**BULGARIA** R. Sofia, 15330, in EG 2230-2330; nx commentary, local mx, DX pgm. //15110. (Alexander, PA 4-11)

**CAMEROUN** R. Safoussam, 4000, in FR 0455-0525; mx by group to 0500, ID by M as R. Cameroun, brief annct by W, FR nx by M, then nx in EG by M 0503-05, then back to FR w/ religious organ and choir mx and religious talks by M to 0511. Then more talks by M and choral mx. (Lazarus, LA 4-12) +++Bertous, 4750, in FR 0435; very good on 4-9-81. Happy tribal mx, M anncr in intermittently, chatter in FR then. (Klein, NJ)

**CANADA** CFCX Montreal, 6005, in EG 0942; call-in talk pgm. Reloj not on. Fair. (Jones, MS 4-14)

**ECUADOR** R. Zaracay, 3395, in SP 0145. ID, anncmts, talk by M. Andean mx 0250. (Alexander, PA 4-8) +++R. Pop. Indep., 4801, in SP 0630; good despite UTE QRM. Nice local Andean tunes, M anncr w/ chatter between selections. Very nice mx. (Klein, NJ) \*\*\* A good point made here. I can listen to high Andean mx for hours on end without ever tiring of it. One of the great joys of SWing is the access you have to this kind of pgm material. No worries abt which Huayno is on the stn manager's play list for the week. tba

**GUAYANA** RFG, 15045, in EG 2215; very strong. Ancmt abt construction of international airport. Caribbean and pop mx. Bus schedules. (Alexander, PA 4-11) \*\*\*Bus schedules? To where? tba

**GUYANA** GBS, 5950, in EG 0950; good. TC for 10 to 7, "Guyana News." (Jones, MS 4-9)

**VENEZUELA** LV del Tigre, 3255, in SP 0115; strong. LA pops, anncmts and ID. (Alexander, PA 4-8) +++ R. Valera, 4840, in SP 0300; ad string, W anncr, ID, and LA mx. (Alexander, PA 4-8) +++ R. Los Andes, 6010, in SP \*1006. Fair. Choral NA, ID by M as "R. Los Andes." Later IDs by W as R. Mil Cuarenta. (Jones, MS 4-14)

**VIETNAM** VoV, 15010, in FR 1930; weak. ID, nx, M&W anncrs. Local mx. (Alexander, PA 4-11)

**ZAMBIA** ZBS, 4910, in lang 0345; weak. Fish eagle IS, choral hymn or NA at 0353. (Alexander, PA 4-9)

Tnx to all four of our contributors this time. I'd love to hear from a few more of you from time to time. How about it? Become an UPDATER today.

# log report section

1600-4898



TERRY KRUEGER

- 1610T ANGUILLA Unid here per D. Crawford phone tip 0330-0407\* w/ ment. of Caribbean Beacon, 1610 kHz. Nonstop gospel, EG M, organ riff and off. Mentd. 15 kw and //690, unheard (Crawford, Krueger 4-14)
- 1610 USA Kennedy Space Ctr.; 10w beacon noted running AN while at Titusville awaiting Shuttle launch; 0715 running "park is closed" cart. by 1015 was carrying live Shuttle Launch Control between ground and Crippen/Young. Not SWBC per NASWA, but interesting log others no doubt missed in unopinionated broadcast form (Krueger 4-10)
- 2120H DOMINICAN REP. R Mar; 1018 SP ballads, local events (Meyer)
- 2340 PNG R W. New Britain; 1106-1115 PD M&W, ID/TC, island mx fair to poor (Meyer, Nikolich)
- 2360 GUATEMALA R Maya; 1055 SP LA pops, bird sound often, W ID (Meyer)
- \*2370T FALKLAND IS. FIBS; 2150-0100 EG pgm of WWI tunes, poor (Sun. bdcast), BBC sign. mx (Witte 3-8)
- 2390 MEXICO R Huayacocotla; 0105 SP M&W, EZL mx, local notes (Meyer)
- 2400 UNID R Libertad; 0300 SP M story of Nicaragua/El Salvador, f (George 3-7) No doubt one of many harmonics, fund. 600 or 1200 kHz
- 2428 PNG R New Ireland; 1105 good w/ island mx, ments of PNG (Leithner) 1227-1300\* C&W mx, good (Watts-AUSTRALIA)
- 3120H COLOMBIA R Galaxia; \*1003 full ID/QTH, "Esta es HJCP, R Galaxia en Arbelaez, Rep. de Colombia..." into rx. No Timur (Radcliff 3-7)
- 3160H COLOMBIA R Principé; 1015 SP M, ID, ads, p; 2x1580 (Radcliff)
- 3205 BRAZIL R Riberao Preto; 0032 PT local mx, ads, M ID (McCoy)
- 3205 PNG R W. Sepik; 1108 C&W, EG M ID (Nikolich)
- 3210 MOZAMBIQUE RM; \*0250 IS w/ EG ID, p (Davis 3-29)
- 3215 SULAWESI RRI-Menado; 0950-1210 IN M ID, Islamic mx, nx and long tlks (Davis, Radcliff)
- 3215 VENEZUELA Ondas Panamericanas; 0002-0355\* SP IDs, store ads, LA m pops, ment of MW/SW/FM, back after long absence (Cunningham, Dayen, Brittett, Alexander, Leithner, Gliksmen, Kohlbrenner, Klein) 0948 LA mx, ads, TC/IDs ment El Viga (Forth)
- 3220 PNG R Morobe; 1119 C&W, PD M, no ID but 90% (Nikolich) 1917-1945 f/out in early a.m. here w/ mx pgm, good (Watts-AUSTRALIA)
- 3220 SWAZILAND TWR; 0310 EG, rel pgming w/ tlk on Bible, f-p (Meyer)
- 3220 ECUADOR HCJB; 1016 vernac folk song, M tlk (Sellers) 0930 (Meyer)
- 3225 BRAZIL Unid; 0230 PT pops, W tlk, pres. Lins R Cl., g (Meyer)
- 3240 PERU R America; 0401 SP ID hrd tuning across, p (Moman)
- 3250V HONDURAS R Luz y Vida; 0202-0400\* fanfare, SP M ID, rel pgm, "Palabra de Dios"; EG till 0200; rel and EZL mx (Klein, Rigas, Nikolich, Meyer, Sherman)
- 3250V ECUADOR LV del Triunfo; 0302-0405 SP slow ballads, SP ID, nice Bach albums till s/off (Meyer, McCoy)
- 3250 S. AFRICA R Five; 0435 EG, US disco/pop mx, nx, ID (Meyer)
- 3255 VENEZUELA LV de El Tigre; 0136-0253 SP IDs, LA pops, ads, nx headlines (Kohlbrenner, Nikolich)
- 3260 PNG R Mandang; 1047 PD M, island/C&W mx, ID (Cucura)
- 3265 CONGO RTVC; 0710 FR ID 0730, first readable lvl in wks (Meyer)
- 3265T SULAWESI RRI-Gorontalo; 1200 nx by IN M, couldn't catch site on ID (Radcliff)
- 3275 PNG R Southern Highlands; 1114 EZL instrs, weak (Nikolich)
- 3280 ECUADOR LV del Napo; \*1000-1028 electronic organ mx, ID/TC SP M, prayer, hymns, tlks in lang, folk songs (Lobdell, Sellers, Meyer)
- 3285 BELIZE RB; 0120-0514\* SP/EG ID/TCs and nx, pops, //834; uses same mx as "America" at s/off (Findlater, Moman, Brissett, Sica, Meyer) No, we use the same as theirs; their Commonwealth NA being "God Save the Queen," or GSTQ in NASWA pages most often... TK
- 3290 UNID 1905 EG church svc on a Sunday, p (Witte 3-22) /Meyer)
- 3300 GUATEMALA TGNC; 0350 EG, rel pgms, IDs, hymns (Moman, Spiczka,
- 3305 INDONESIA Unid; 1215 nat'l pgm on good Indo day; Bandung? (Gliksmen)
- 3325 GUATEMALA R Maya; 0310 SP rel pgm, ID (Brissett) 1035 (Meyer)
- \*3331T COMORO IS. RC; noted tent 0306 instr mx. 0310 M reciting from Koran and tlk till 0315; bell 0323; no ID poss; CHU QRM (Bryant 3-13)

- 3335 UNIT 1248-1302\* instr. mx, s/off. No clue whatsoever (Radcliff)
- 3345 MOLUCCAS RRI-Ternate 1235 IN mx, ID, Islamic mx (Davis, Radcliff)
- 3355 BALI RRI-Sumene; 1130 IN interesting island mx. Can someone translate the long QSL I got? (Meyer)
- 3360 GUATEMALA LV de Nahuala; 0332\*, SF folk mx, marimbas, SP ID/calls and off (Klein, McCoy, Rigas, Alexander)
- 3366 GHANA GBC-2; 0530 pops, ID, nx (Findlater) 2300 mx, ID (Mattson)
- 3375 BRAZIL R Nac. de São Gabriel; 0200 PT, LA mx pops, ads, light pop mx (Meyer, Nikolich)
- 3380 ECUADOR R Iris; 0140-0330 SP, HC mx, ID, het (Meyer, Rigas)
- 3380 GUATEMALA R Chortis; 0200-0315 marimbas, rel pgm, SP M ID, tlk on leftist political organizations (Leithner, Klein, Rigas, Forth, Earhart)
- 3380 MALAWI MBC; 0330 EG, Afro/US pops, light het, ID, f-p (Meyer)
- 3385 FRENCH GUIANA FR3; \*0900 w/ "LM," pop FR tune, M ID/TC, freqs, nx and "R Magazine" px (Lobdell, McClellan, D'Angelo, Alexander)
- 3385 PNG RENB; 1005 noted weakly w FD M nx; presumed as no ID (Lobdell)
- 3395 ECUADOR R Zaracay; 1012 SP ID/TC, effects, flutes (Gliksman, Sellers) 0320-0459\* SF/EG pops, M ID, s/off anmts (McCoy, Rigas, Brisset)
- 3395 VENEZUELA R Universidad; 0115 SP local notes, LA pops (Meyer)
- 3396 ZIMBABWE R One 0320-0405 EG pops, M ID, African World nx, ads and cmtry (Eckman, George, Meyer)
- 3427 IRIAN JAYA RRI-Manokwari; 1232 IN pgms, sports, mx, g (Meyer)
- 3507 USA (PIRATE) WFOI; 0724-0838\* EG hard rock by Black Sabbath, AC-DC, etc., IDs, FRC address, profanity, xint (McCoy 3-21)
- 3560 KOREA, N. Pyongyang; 1256 KO, orchestral mx, W ID (Meyer)
- 3810 ECUADOR HD210A; 0715 SP time pips, SP M TC (Samuel)
- 3910 JAPAN FEN; 1230 EG Mystery & Marshal theatre, Bob & Ray (Zilmer)
- 3925 JAPAN NSB; 1245 JP W tlk, clsc1 mx // 6055, 9595 (Zilmer)
- 3930 CAPE VERDE Voz São Vicente; 2319 f/in w/ vocals by M&W; two gongs 2330 w/ M PT ID, tlks, more light mx, NA, 0002\*; p (Lobdell) Most days here around 2300 w/ light mx, horrid ARO QRM (Krueger)
- 3945 VANUATU RV; 0750 local lang mntd Vanuatu, N. Caledonia, 0832 had EG nx (local) (Moman 3-10)
- 3955 ENGLAND BBC; 0605 WG tlk on Mozambique, World Nx, f (Kohlbrener)
- 3985 ECUADOR ERF; 1012-1038 SP tlk, ID, mx excerpts (Gliksman, Davis)
- 3985 GERMANY, W. R Liberty; \*0200-0212, Biblis per sked, Estonian, IS s/on ID, nx 0201-0212, f-g in AROS; light jamming (Buer)
- 4120 KOREA, N. (CLANDESTINE) VoFRK; 1355-1410 lang to EG // 4050 (Lucas)
- 4200 UNIT 1011 slow lang tlk, orch mx, sounded like RS, UTE QRM (Dale)
- 4485 ARSEFER Petropavlovsk; 0943 RS soap, M&W, g (Meyer)
- 4655 ECUADOR CRE; 0453 SP tlk, ID, NA (Clift)
- 4679.7 ECUADOR R Nac. Espejo; 0500-0600 SP mx, ads, ID (Lineback, Fields)
- 4740 AFGHANI SSR RA; 0222 lang, ME-style subcont. mx (Meyer)
- 4750 CAMEROON R Bertoua; 0445-0505 FR M nx, ID, Afro mx, drums, tribal mx, p (Gliksman, Jordan)
- 4755 BRAZIL R Dif. Maranhão; 0235 vg, pgm of PT pops, M ID/TC (Klein)
- 0715-0840 PT local vocals, ments Maranhão, ads, comedy (Nikolich)
- 4755.7 UNIT 1042 weak, ambye Indian, too poor (Dayen) Details???... TK
- 4760 VENEZUELA R Frontera; 0255 NA-style piece, M ID (Klein)
- 1019 SP full ID, YV mx, p-f (Forth)
- 4764 SULAWESI RRI-Medan; 1355 IN net nx, ID (Meyer)
- 4765 BRAZIL R Nac. Cruziero do Sul; 0130-0355 PT pops, short int'l nx; same lvl as below log (Klein, Meyer)
- 4765 BRAZIL R Rural Santarem; 0815-0917 PT ads, ballad, M ID, more mx, animal sounds (Gliksman, Klein)
- 4765 LIBERIA ELWA; 0605-0715 EG rel pgms, ID, EZL mx (Lineback, Kohlbrener, Reich) 2245 EG ID, rel pgm (Alexander)
- 4770 NIGERIA FRC-Kaduna; \*0359 drum IS, M ID, instr mx (Klein)
- 4770 VENEZUELA R Mundial Bolivar; 0947 SP ID, slow criollos (Meyer)
- 4774 JAVA RRI-Jakarta; 1440 clsc1 mx, IN, F-g (Davis)
- 4777 GABON RTVG 2305 FR Afro pops, ID (Reinstein, Alexander)
- 4780 VENEZUELA LV de Carabobo; 1002 SP ballads, IDs, ads (Moman, Archer) 0230 LA pops, many IDs, TCs, ads, f (Hood, Meyer)
- 4781.3 HONDURAS R Juticalpa; 1206 SP morning DJ and pop-mariachi mx. Hasn't been nom. 4780 in a while--which is OK; better reception, fair (Neumann 3-7)
- 4781.3 UNIT 0720 FR, Afro/AR chanting w/ FR M, no ID in over hour (Meyer)
- 4785 AZERBAIJAN SSR Baku; 0205-0445 RS/Azerbaijani, M&W nx, local mx and clsc1 mx (Kohlbrener, Brisset, Klein)

- 4785 BRAZIL R Ribamar; 0820 PT pops, ballads, M ID (Klein)
- 4785 TANZANIA R Tanzania; 0312 long balafon mx after SH nx (Nikolich)
- \*4789.6 ECUADOR Sistema Atalaya; 1215-1227 w/ long SP two-M discussion and frequent mnts of Atalaya; then beautiful flute mx (Neumann)
- 4790 PERU R Atlántida; 0036 SP tlk on "la guerra" of Peru-Ecuador, military calls of "atención" to units (Reintein, Kohlbrenner, Archer, Meyer) 1050 US disco, xlnr, ID "Aqui R Atlántida (Dayen)
- 4800 LESOTHO RL; \*0400 NA, vernac W ID, rel choir, Afro-style in sound, M ID 0410 (McClellan, Klein)
- 4800 VENEZUELA R Lara; 0244-0615 SP LAM mx, ID, TCs (Lineback, Meyer)
- 4806 SAO TOME RN; 2301\* PT, soul, gong, ID and NA (Kohlbrenner, Wolfish)\*0530 PT s/on w/ NA, ID, mx, songs till 0600 nx (Buer)
- 4810 PERU R San Martín; \*1025 SP huaynos, NA, several IDs, flutes and harps, folk mx, "R Metropolitano... R San Martín" ID also used (Dayen, Davis, Meyer)
- 4811 GABON Africa No. 1; 0500, started off on 4808.0, then shifted to 4812.0 at latest check 26/2 was consistently on 4811.0. Since they're always on even kHz, I suspect these are deliberate changes per xmtr design rather than drifts (Hauser) \*0500 (Moman) 2300\* FR nx, Afro vocal, ID, drum mx (Hood)
- 4814 COLOMBIA R Guatapurí; 0222-0416 SP, HJ mx, IDs, net IDs, ads and TCs (Clift, Meyer, Sica) (Jordan)
- 4815 UPPER VOLTA RTVV; \*0528 IS, NA, FR ID, hilife (Lobdell, McCoy)
- 4825 BRAZIL R Ed. Bragança; 0901 PT EZL, prayer by W, M ID (McCoy)
- 4828T ZIMBABWE ZBC; 1807-1830 pgm of tiking nature. Excellent sig, no sign of co channels. NF? (Watts-AUSTRALIA) Anyone else able to confirs?... TK
- 4831.9 COSTA RICA R Reloj; 0625 SP LA vocals, ID (Lineback)
- 4835 BRAZIL R Nac. de Boa Vista; 0045-0215 PT anmts, M IDs, ads, R. Bras ID, samba mx pgm, W ancr, g-vg (Klein, McCoy, Sherman, Jordan)
- 4835 SARAWAK RM-Kuching; 1117 BM tlk by M, solo pianos, f (Meyer)
- 4837.6 MALI RN; 2335 FR hilife mx // 5995, g (Lineback)
- 4840 CHINA Harebin; 1150 CH W, oriental mx, ID, W vocals (Jordan)
- \*4840 PERU R Andahuaylas; 1036 SP, usual OA huaynos w/ yips and the works, fair but deteriorating (Meyer)
- \*4840.5T HONDURAS R San Isidro; 0030-0115\* at fair lvl 4-19 only w/ chant-like Catholic mass in Latin, M mentd. "La Ceiba" and believe mushed ID, "R San Isidro de Honduras"; ranchera-type mx between anmts and notes beginning w/ "¡atención!" and dorbell sounds, gospel mx in SP, "Desde La Ceiba..." clearly at 0108. QRN. Hope somebody else bothered to try for this one at least; last year about 4 kHz higher (Krueger, Crawford 4-19)
- 4845 BOTSWANA RB; 0420-0430 vernac tlk, vocals, drums, ID 0430 (Jordan) vernac 0425, local drum mx, ment of Gabarones 0430 (Klein)
- 4845 MAURITANIA RN; 2255 AR chanting, FR ID by M (Sica, Rekich)
- 4845 MOLUCCAS RRI-Ambon; 1230 IN, mx like NA // 4875, g (Sherman)
- 4850 SURINAM SRS R; 0500 EG pops, EG DJ words, g (Moman)
- 4851 ECUADOR R Luz y Vida; 1028 SP hyped anmts, M ID/TC, accordion mx, anmts (Cucura, Cunningham, Wolfish)
- 4855 COLOMBIA R Neiva; 0355 SP LAM vocals, full ID (Clift) 0953\* SP M ID, anmts, up tempo vocals, TC (Jordan, Cucura, Wolfish)
- 4860 PERU R Chinchaycocha; 0546 SP tune, M, folk mx, ID 0615 (Lobdell)
- 4865 COLOMBIA LV del Cinaruco; SP 0955, pgm "Valares del Domingo" (Meyer) 0401\* ID, vocals, NA (Clift, Jordan, Kohlbrenner)
- 4870 ECUADOR R Rio Amazonas; 0224-0337\* SP LAM ballads, ID by M, HC mx pgm, ID/TCs (Klein, Brissett) 1050 flutes, IDs (Forth)
- \*4875 BRAZIL R Jornal do Brasil; 0000-0200 several nights good w/ HJs off in April, PT M IDs, store ads, mostly nice coastal vocals (Krueger) 2245 f-g 2 M ancrs, nx stories, several ments of Rio; finally ID for GMT -3, M&W alternating, IDs (Klein)
- 4875 BOLIVIA La Cruz del Sur; 1004 Indian lang rel mx, local tlk w/ bits of SP (Dayen 3-24)
- 4875 COLOMBIA R Super de Medellín; 0853 SP ID, M/W tlk (Forth)
- 4875 IRIAN JAYA RRI-Sorong; 1230 IN, NA? // 4845, g (Sherman)
- 4880 S. AFRICA SABC; 0415 AK, discussion, ID, rel pgm, organ (McCoy)
- 4885 PERU R Huancavelica; 0515\* SP s/off anmt blocked by UTE, NA, carrier cut 3-24; 3-25 0457 SP ID by W, 0544\* vg; others off (Sherman)
- 4890 ECUADOR R Centinela del Cur; 0440 LA pops, ads (Klein)
- 4890 HONDURAS F. Lux; 0157 ads, SP ID, LA/US mx (Forth)
- 4894.7 SARAWAK RM-Kuching; 1130 lang, 6-pips, pres, nx (Dayen)
- 4895 PNG NBC; 0837 EG sportscast (Moman) 73, &...TERRY

# log report *section*

4900-6199

# B

## STEVEN WISEBLOOD

- 4910 ZAMBIA ZBS: 0345-0422 screaming fish eagle IS, ID in EG, tlk by M&W in Vernaculars. F-G (Brissett, Wiseblood-CA).
- 4910 ECUADOR En Gran Colombia: 0335 SP anmts, LAM mx, ID, bad het(Alexander 0530-0545 ID, tlk by M in SP, LAM mx(Wiseblood-CA). 0728 live coverage of car races by 2 M in SP, "Coca-Cola" & "Lipton" ads, frequent mention of stns in net. Good w/no QRM as UTE missing (Lobdell-MA 4/3).
- 4910 HONDURAS LV de Justicia: 0030-0259\* SP tlk by M w/U.S. accent, ID, reading listeners reportes. S/off anmts in EG, GM, SP & IN.(Hauser, Lineback). Glenn Hauser also mentions that this sounded like a one man operation, possibly a missionary sitting in the jungle with his transmitter. However may have been just a one time thing as no reports have been received since March 9th, or perhaps he blew out his finals.
- 4915 BRAZIL R. Anhanguera: 0130-0215 Brazilian & US pop mx, PT anmts, ID @ 0200, nx by M in PT. P-F (Hood 2/20).
- 4920 ECUADOR R. Quito: 0334 LAM mx, ID, ads. F (Clift 3/21).
- 4920 AUSTRALIA ABC: 0840 M in EG w/sports report. F-G (Moman-AT 3/10).
- 4929.4 DOMINICAN REPUBLIC R. Mil: 0143-0201\*political tlk by M ancr in SP, ID, military band mx at S/off(George-TX, MacLaughlan). Here is another case of a LAM stn that has been off the air since early March-ed
- 4930 GEORGIAN SSR Tbilisi: 2250-2300\* EZL mx, Mayak IS @ 2300(Alexander).
- 4934 KENYA Vok: 0408 tlk by M in SH at tune-in(Hauser-TN 3/2). (Brissett/
- 4940 IVORY COAST Abidjan: 2230-2315 M ancr w/FR tlk, Afro high-life mx, ID/
- 4945 BRAZIL Rdf Pocos de Caldas: 0230-0400 EZL & pop mx, ID's by M&W in PT, 81WRTH shows 0030\* S/off, possible extension on Sat?(Brissett). Yes-ed
- 4950 MALAYSIA RM Kuching: 1429-1430 nx by M in EG, ID. F-G (Moman-AT).
- 4960 VENEZUELA R. Sucre: 0305 instr. pop mx pgm, ID/TC's. Exc(Lobdell-MA).
- 4965 SOUTH-WEST AFRICA SWABC: 2200-0530 ID in AK & EG, EZL mx, instr. mx, GM version of "Vaya con Dios", polka mx, US oldies (4 reporters).
- 4970 VENEZUELA R. Rumbos: 0350-0400\* LAM mx, SP tlk by M, ID(Bernacke).
- 4985 BRAZIL RB.Central: 0715-0725 ID, PT anmts, Brazilian mx(Samuel 3/14).
- 4990 VENEZUELA R. Barquisimeto: 0200-0230 US pop/disco mx (Rigas 3/6).
- 5005.7 SURINAM R. Apintie: 0115-0520 M in DT w/cntry, Apintie drum IS, EZL instrumental mx, semi-clscd & jazz, lite US pops(Baker,Rigas,Dunn).
- 5010 CAMEROUN R. Garoua: 0530 IS & nx by M in EG, F-G (Moman-AT 2/17).
- 5015 ASIATIC RSESR Vladivostok: tlk by W in RS 2344. G (Radcliff-IL 2/2).
- 5020 SOLOMON ISLANDS SIBC: 0945-1113 C&W, Island & US pop mx, M ancr in EG, R. Australia nx @ 1000 (Cucura-PA, Alexander 3/28).
- 5025 PERU R. Quillabamba: \*1050-1105 S/on anmts by M&W in SP over EZL mx, TC, ID, fgys, into Andean flute & vocal mx, often uses the "Grand Canyon Suite" theme mx. Good level at S/on w/het (Cunningham 3/5).
- 5030 VENEZUELA R. Continente: 0415-0430 ID, ballads, SP tlk(Earhart,Samuel)
- 5030 MALAYSIA RM-Kuching: 1426 "Tom Dooley" song, tlk in BM?(Moman-AT).
- 5035 BRAZIL R. Aparecida: 2315-2358 ID's, US pop mx, ID (Brissett 2/14).
- 5040 VENEZUELA R. Maturin: 0915 SP S/on anmts, ID, fgys.(Alexander).
- 5047 TOGO RS: 0525 IS, NA, S/on anmts in FR @ 0530. P-F (Moman-AT).
- 5055 COSTA RICA TIFC: 0354 EG religious program. G (Moman-AT 3/3).
- 5057 ALBANIA R. Gjirrokaster: 0450-0508 gypsy folk mx, no tlk(Earhart-PA\*.)
- 5075 COLOMBIA R. Sutatenza: 1030 tlk by M&W in SP, LAM mx(Bainbridge-WY).
- 5265 CHINA FFBS: 1139-1147 oriental vocal mx, W in CH w/tlk(Cunningham).
- 5770 CHINA FFBS: 1112-1116 operatic CH mx, tlk by W in CH(Cunningham).
- 5930 CZECHOSLOVAKIA R. Prague: 0100-0145 EG nx & cntry, ID(Baker, Fields).
- 5945 AUSTRIA ORF: 0130 EG nx & cntry, Austrian folk mx (Fields 2/4).
- 5945 UZBEK SSR R. Tashkent: 1400 EG bx, //11785-poor. G-VG (Moman-AT).
- 5950 GUYANA GBC: 0730-0830 "GBC Channel-2" ID by M, "Early Bird Show", US pop & Hindi mx, obits, religious tlk. VG (Dunn, Moman, Samuel).
- 5960 CANADA RCI: 0400 M w/tlk in EG, cntry, apologies for nx(Fields).
- 5965 MALAYSIA Kuala Lumpur: 1500-1557 Malay vocals, tlk by M&W between songs. Nx in Malay @ 1530, then blues & piano mx (Sharpe 4/2).
- 5980 SIERRA LEONE SLBS: 2205-2220 ID, EG nx, soul & calypso mx(Alexander). 0655-0705 nx by M in EG, ID, BBC nx relay @ 0700 (Hensley 3/22).
- 6000 BRAZIL R. Inconfidencia: 0835 Brazilian ballads? (Alexander 3/28).
- 6005 CANADA CFCX-Montreal: 0950 anmts & ID by M in EG (Moman-AT 2/22).

- 6006 COSTA RICA R. Reloj: 0559-1130 LAM mx, ID, TC, SP tlk. VG (4 reporters).  
 6025 PORTUGAL RP: resumed use of this old freq for EG @ 0300-0330 to NAM, //11925. noted March 1st & 2nd (Hauser-TN).  
 6030 CANADA CFVP-Calgary: 2230 severely distorted due to FM on carrier, 60 or 120 Hz deviation. FM often noted on this stn. Deliberate, or equipment malfunction? Good signal (Moman-AT 2/21). 0822 US pop mx, ads, EG annts, off at 0845\* mid-song, replaced 12 minutes later by NHK IS (Eckman 3/15).  
 6030 JAPAN NHK: 0858 IS & ID in EG, clobbered by AFRTS @ 0900 (Moman-AT).  
 6045 COLOMBIA R. Melodia: 0910 ID's, ballads, SP tlk by M. G (Moman-AT).  
 6065 COLOMBIA R. Super de Bogota: ID, TC M in SP w/tlk, ballads (Samuel 3/14).  
 6070 CANADA CFRX-Toronto: 0821 M in EG w/cntry on El Salvador. F (Moman-AT).  
 6080 CANADA Vancouver: 0820 C&W mx, EG tlk, ads, ID. F (Moman-AT 3/10).  
 6090 LUXEMBOURG RL: 0100-0125 EG mx by M @ 0100, C&W mx countdown (Rigas).  
 6090 AUSTRALIA ABC: 0852 ID & TC, pop mx, M ancr in EG. G (Moman-AT 3/10).  
 0855 pop mx countdown, detailed wx report, IS & IS as "Nat'l Svce" (Dale).  
 6105 BOLIVIA R. Panamericana: \*1029-1055 S/on annts by M in SP, ID, folk vocal mx, Andean flutes, ID w/ QTH "La Paz", nice level (Cunningham).  
 6115 PERU R. Union: 1026-1129 Campo & lcl folk mx, "Las noticias Campesino" SP nx pgm, ID's, jingles, Good level, w/Llano off this morning (Cunningham).  
 6115 MEXICO R. Univ Sonora: 2100 ID by W, "Singing in the Rain". G (Witte-CA).  
 6120 NICARAGUA R. Zinica: 1115-1200 frequent ID's by M, LAM mx (Rigas 3/3).  
 6135 SWITZERLAND SRI: 0203 "Dateline" w/nx by W in EG, cntry (Baker-DE).  
 6130 COLOMBIA LV de Huila: 0848 ID, lively vocal mx. VG (Moman-AT 3/10).  
 6150 CHILE RN de Chile: "Atencion" repeated 3 times, then ID, excited M in SP w/non-stop tlk, mentions of Chile, numerous ID's. VG (Moman-AT).  
 6155 JAPAN FEN-Tokyo: 0918 AFRTS style ancr in EG w/sports coverage (Moman-AT).  
 6165 SWITZERLAND SRI: 0710 "Swiss Merry-Go-Round", //9535, 9560 (Alexander).  
 6185 BRAZIL R. Bandeirantes: 0815 PT tlk, many ads, ID, Brazilian mx (Alex'er).  
 6185 PORTUGAL RP: 0455-0500 "Listeners Mailbag", nx by W in EG (Fields, Baker).  
 A rather abbreviated LR-B this month, but these are all the reports that I've received thru 4/15. sri folks! More next month, I hope. 73's...

"The Golden West DX Association, an international group of radio enthusiasts, especially in the MW & FM bands, will be holding its 3rd annual Oversized GTG (read Convention) 25-28 June in Chicago, IL. Major activities will include the world-famous "Sticker Smorgasbord", many station tours/raids, a big soccer game between the GNDXA & Chicago Area DXers (CADX) All-Stars, and of course a more-than-adequate selection of cold beer and warm soda pop. Details are available for a SASE to Mark Strickert, Convention Chairtable (heh), 2507 N. Kimball, Chicago IL 60647, or call (312) 227-3669. Everyone is invited!"

The Chicago Area DX Club has recently completed a 60-meter survey which is being offered to all DXers in North America for a 35¢ SASE or 2 IRCs. All stations in this survey were logged in the Chicago area by CADX members within the past year. While the listing is in no way inclusive, it does give a good indication of what can be heard in the Chicago area in 60 meters. It should also be helpful to other DXers throughout the U.S. and Canada.

CADX, which publishes "DX Probe", is open to all DXers within a 150-mile radius of Chicago and surrounding areas. Annual dues are \$7.50 and only those who wish to contribute on a fairly regular basis are encouraged to join.

The address for the survey and/or club membership is The Chicago Area DX Club, 2137 West Farwell Avenue, Chicago, IL 60645

#### HOUSTON AREA DXERS AND SWLS, PLEASE NOTICE.

Anyone interested in forming a Houston Area DX and/or SWL Club please call or write Hans Johnson, 2022 Hickory Creek Drive, Kingwood, TX 77339. Han's phone number is (713) 358-6210.

# log report *section*

## 6200-11699



**PETER SCHIPELLITI**

31 Beaverbrook Road Burlington, MA. 01803 or phone after 2130 up until 0400 GMT on Mon., Tues., Wed., or all day Sunday at 617 272-3142.

- 6207 **WEST IRIAN** RRI-Biak; 0930 IN, pop Mx, 0957 M, IS, 1000 OM ID, 1cl Nx (Davis 3/15)
- 6215 **LEBANON** King of Hope; \*0359 time pips, EG ID & NA, Christian Pop Mx. Good at first but went downhill fast. (Lobdell 4/3)(Jordan 3/25)
- 6220 **ANDORRA** R. Andorra; 0603 FR, OM w/ Nx, US Pop/Rock Mx @ 0608 w/ tlks by OM anncr between songs. Some het & static. (Jordan 3/28)
- 6225 **CHINA** Another Unid CH site most mornings local time @ 1300. //6200, 6310 KHz. Fair most of the time. (Neumann)
- 6230 **AFGHANISTAN** R. Afghanistan; 1510-1600 EG Pgm @ 1530. Mx & Nx. Fair (Watts-Australia); Easy most mornings @ 1300 w/ Afghani lang pgms, and what sounds like Nx. May be Cntry. (Neumann)
- 6276 **AZAD KASHMIR** AKR; Behr is right---this is def. them. Heard 1240 w/ Kashmiri Mx (that sounded very similar to NHA's old theme tune) Heavy flute and chimes. Symptomatic poor mod but good sig strength. (Neumann 3/8) 1302 ID in Kashmiri by OM.
- 6348 **SOUTH KOREA** Echo of Hope; The Xiang Khouang being reported on 6348 in all cases seems to be South Korea's Echo of Hope sked \*0855-1205\* Please keep in mind that Laos is DX on WUNA so no one back East is likely to hear it, esp not 6348 KHz. (Jim Davis-CA)
- 6348 **Unid**; Probably Echo of Hope, 1040-1159 Lang?, mix of Mx, local to disco - much too strong for Laos (5602 weak car.) perhaps the weak audio underneath, ute QRM (Lucas 3/30)
- 6383 **MONGOLIA** Radio Ulan Bator; \*1220-1250\* EG, After almost two years, finally heard them Very hard from my QTH, but very pleased on this day. (Watts-Australia 3/5)(Davis 3/16) (Sherman 3/17)(McClellan 3/18)
- 6550 **LEBANON** Voice of Lebanon; \*0405-0415 AR, Mx box IS, whistling of "River Kwai", NA, Lite Mx, OM & YI anncr. Tlk by OM at 0415 (Alexander 3/29)
- 6765 **CHINA** FFS-PIA; 1142-1147 CH, Stately oriental vocal Mx by YI. At 1144 oriental orch Mx then slow clear ID by YI. Into talks by YI anncr, intermittently destroyed by an SSBer from below. Exc level. (Cunningham 3/31) QRM was probably USAF. Peter...
- 6900T **TURKEY** Turkish State Meteorological Service; 0439-0455 TK, singing by YI, mid-east style. poor sig w/ Ute QRM. No ID heard. (Reinstein 3/14)
- 6933 **CHINA** R. Peking; 2235-2255\* SP, Oriental flavored orch Mx, YI w/ IDs then to SP Mx, \*2243 OM w/ tlks & mention of Americana latins, Tlks mixed w/ trad CH Mx w/ orch & stringed instr; YI w/ anncrs & ment of LA countries. (Jordan 4/3)
- 7001 **ANGOLA** ER do Lobito; 2215-2232 PT, pop Mx, heavy on the drums, many ads & TCs by OM. Finding in w/ nice sig! (Reinstein 3/25)
- 7025 **CHINA** R. Beijing; 2234-2245 RS, world Nx by YI, clear ID "Govorit Beijing", gone from 7025 @ 2244, reappeared on 7030 @ 2245. Fair (Reinstein 3/25)
- 7050 **CIANDESTINE** LV de Alpha 66; 0214-0225\* SP, Tlks, interviews, martial Mx (Jordan 3/11)
- 7053 **CIANDESTINE** La Juventud Progresista Cubana; \*0228-0305 SP, trumpets & many IDs by usual OM anncr. Mucho anti-Castro Tlk. Jamming by hets. (Reinstein 3/24)
- 7075v **CIANDESTINE** R. Prencera; \*0200-0230\* SP, Cuban NA, Tlks, ID, distorted audio. Fgy up to 7078 at 0208, back at 0220, and up sgn bl s/off. Fair (Gavaras 4/6)
- 7076 **CIANDESTINE** R. Trinchera; 0205-0235 SP, "LV de Marti" tlks "el dictador Cubano" Good.
- 7077 **CIANDESTINE** R. Abdala; 0233-0244\* SP, Tlks, trumpets (Jordan 3/11); (Reinstein 4/1)
- 7078 **CIANDESTINE** R. Prencera; 0201-0205 SP, YI w/ multiple IDs, Annts backed by rousing revolutionary martial Mx; xmsn wiped out by QRM (Jordan 4/1)
- 7120 **ALBANIA** R. Tirana; 0230 EG, Nx, Concern abt China/US trade agreement (Demmitt 3/21)
- 7130 **ARMENIAN SSR** RMWS-Yerevan; 1325 EG, RMWS Pgm under unid Asian stn. //7175 (Davis 4/2)
- 7155 **GREAT BRITAIN** Radio Canada Int'l Relay; 0600-0700 EG/FR, Tlk/Pop Mx (Findlater 4/6)
- 7170 **NEW CALEDONIA** R. Noumea; 0745 FR, Pop Mx, "9-5", //1170 (Moman 3/10)(Samuel 3/19)
- 7175 **SICILY RAI**; 0512-0530 presumed IT, vocal Mx & time pips on 1 hr. ID as "Radiotelevisione Italiana" every few minutes. Still only 5Kw, C/H #202 finally (Sherman 4/7 & 4/8)
- 7215 **TURKEY** Voice of Turkey; 2235-2300 EG, Tlk on various taboo's of primitive man. Talk about magic & rituals. Mx (Kohlbrener 3/16)
- 7255 **NIGERIA** VoN; \*0451-0520 EG, IS, letterbox pgm, "VON Link-up". Fair (Dunn 3/11) 15)
- 7260 **AUSTRALIA** RA; \*0855 w/ IS, s/on for this and 15410 to Indonesia, (Forth 4/3)(Eckman 3/1)
- 7260 **VANUATU** RV; 0750 local lang, tlks & mentions of Vanuatu and New Caledonia. //3945. At 0832 EG local Nx. (Moman 3/10)(Davis 4/5): Tnx to M. Kirkland for your help. Peter...
- 7265 **WEST GERMANY** Sudwestfunk; 0715 GM, pop Mx, ads, ID, Good signal (McCoy 3/13)
- 7270 **POLAND** RP; 0640 EG, Polish trade tlks. //9675 (Alexander 3/13): 0210 EG (Sica 3/30)
- 7295 **MALAYSIA** Radio Malaysia-Penang; 1210 EG sermon (from Qur'an?), 1215 YI w/ Nx. Fair (Davis 4/2)

- 7345 CZECHOSLOVAKIA R. Prague; 0330 EG, request for listeners' questions. Orch Mx. Tlk about a Russian Composer/Conductor. Mx (Demmitt 3/23)(Smith 3/17); 0245 SP (Baker 4/3)
- 7350 PIRATE Radio CBN-Australia; \*0000-0038\* EG, Heavy rock Mx, IDs (Watts-Australia 3/29)
- 7370 USSR Radio Moscow-Petropavlovsk; 1300-1315 EG, IS, ID, topical world Nx items, Yl w/ cmntry, class Mx @ 1314. Fair w/ QRM (Jordan 3/12)
- 7465 ISRAEL Kol Yisrael; 0420 AR, AR HS Mx Pgm. Tlk by OM. (McCoy 3/22)
- 7550 SOUTH KOREA R. Korea; 1230 EG, IS, ID, Nx & features. Mx. //11830 (Zilmer 3/17)
- 9475 EGYPT Radio Cairo; 0305 EG, Egyptn General & 13 others killed in Copter crash. Duke of Edinburgh to visit Egypt-Saudis arming (Bonnet 3/3)(Baker 4/3)(Dunn 3/17)(Windsor 3/14); 2025 AR, (Kohlbrener 3/17)
- 9495 MONACO TWR; 0730 EG, "Back to the Bible" (Moman 3/10)(Spiczka 3/7)
- 9505T DOMINICAN REPUBLIC RTVD; 2330-0100 SP, typical IAmx & songs w/ enthusiastic (screaming) announcer presenting Mx as he says, "con mucho musica hoy"; no def ID heard but mentions of "Dominica" several times. Poor but clearly audible. (Findlater 3/14)
- 9505 KAZAKHSTAN SSR Alma Ata; 0820 local lang, Yl w/ tlks, mentions of Moscow, annmts & ID by OM @ 0830. QRM from NHK & BBC. Poor (Jordan 3/25)
- 9510 MALTA IBRA; 2226 EG, rel hymns (Kohlbrener 3/17)(Moman 3/10)(Briscoe 3/24)
- 9525 CUBA RHC; 0630 EG, LA Mx, pol cmntry (Spiczka 3/7)(Petchesky 3/22)
- 9535 CANADA RCI; 0415 EG, DX Digest (Mayer 4/4)(Demmitt 3/23)
- 9545 SOLOMON ISLANDS SIBO; 0707 EG/Pid, Xmas songs in a Mx dedication pgm, 0730 EG local Nx. (Moman 3/10)
- 9570 ROMANIA R. Bucharest; 0210 EG, ID, Radio Newsreel, ID, Mx, Nx. (Demmitt 3/24)
- 9570 SOUTH KOREA R. Korea; 1000 EG, IS, Nx, listeners' letters. //11725 (Zilmer 3/27)
- 9575 GREECE VOG; 2010-2030\* GK, National Pgm, Nx, Mx & fgy annmts (Posporella 3/24)
- 9579 PHILIPPINES RP; 1033 EG, IS, Mx, distorted audio (Zilmer 3/27)
- 9585 CYPRUS CBC; 2221-2242\* GK, Tlks, much Mx, ID (D'Angelo 3/13)
- 9590 NETHERLAND ANTILLES Radio Nederland Relay; 0230 EG, Happy Station Pgm w/ Tom Meyer. weak audio & signal. Hvy QRM (Demmitt 3/23)
- 9605 VATICAN RV; 0100 EG, Tlk by OM abt strength & courage. (Demmitt 3/23)
- 9610 AUSTRALIA ABC-Perth; 1410 EG, Nx, Wx, Mx by Irving Berlin. (Hoffmann 3/5)
- 9630 SPAIN SPR; 0047 EG, Cmnty, ID, Pgm notes, Sp course for EG listeners (Baker 4/3)
- 9635 COLOMBIA RN; 1000 SP, Mx, chimes, ID, very good (Forth 3/25)
- 9654 THAILAND RT; 1055-1056\* \*1100 EG, ID, fgy annmt & off\* to \*1100 w/ ID & Nx (Zilmer 3/27)
- 9670 MALTA Xandir Malta; \*0700 EG, Malta Calling, Mx (Spiczka 3/7)(Glikman 3/28)(Sellers 4/4)
- 9695 UNID: UAE?; 2107-2132\* AR, chants, Tlk, close-out annmts from 2130, march, NA, off air. Could not ID. Voice of the UAE? (Glikman 3/14) More likely Cairo? see April pg 50. PS.
- 9695 SWEDEN RS; 0230 EG, DX Pgm, sports interview (Demmitt 3/23)(Bernacka 3/30)
- 9700 WEST GERMANY DW; 0605 EG, Afr svc, "The Week in Africa" (Alexander 4/4)
- 9725 SWITZERLAND SRI; 0140 EG, ID, TC, Jazz Panorama. (Demmitt 3/23)
- 9730 EAST GERMANY RRI; 0015 EG, Child care in G.D.R. (Sellers 4/5)(Reid 3/22)
- 9730 UGANDA UBC; 2010-2102\* EG/vern, OM w/ 5 mins of Nx @ 2020 then 2 mins of Nx @ 2026; Riliie Mx, OM w/ tlks & annmts, then martial Mx; Tlk seg by OM & Yl in EG & vern. NA, s/off (Jordan 3/26) Did you hear an ID? Peter...
- 9750 SOCIETY ISLANDS Radio Tahiti; 0600-0730 FR, ID, EZL pop Mx & lite cl to 0700 then OM Tlk & island Mx (Findlater 3/21)
- 9755 NETHERLANDS ANTILLES TWR; 0400 EG, "Voice of the Gospel" (Demmitt 3/21)(Hauser)
- 9770 AUSTRIA ORF; 0345-0400\* EG, cl Mx. Good (Dunn 3/6)(Demmitt 3/23)(Hoffmann 3/22)
- 9770 AUSTRALIA RA; 1403-1410 EG, OM. world Nx, ID at 1405 (Hensley 4/1)
- 9780 YEMEN R. Sana; \*0300 AR, long NA-very brassy, ID by OM, chants (Nikolich 3/31)(Earhart 3/5)
- 9805 EGYPT Radio Cairo; \*2215-2345\* EG, Stamp Club, Mx, Nx, press Review, "Mx Around the World" (Browne 3/7)
- 9835 HUNGARY Radio Budapest; 0130 HG, tlk abt export of HG ballbearings (Byron 3/31)
- 9870 SOUTH KOREA RK; 1000 EG, IS, Nx, Mailbag. //9570, 11725, 15575 (Zilmer 3/27)
- 9880MF KUWAIT Radio Kuwait; 2102-2110 AR, up from 9870; Nx; ID at 2107 "Huna Kuwait"; Mx audio off @ 2109, carrier off at 2110; //9840 & 17650 (Buer 3/29)
- 9977 NORTH KOREA Radio Pyongyang; 1515 EG, discussion of JP/KR/USA relations, martial Mx, Yl w/ tlk on art in raising cultural levels of revolution. (MacLaughlan 3/9)(Sellers 4/4)
- 10080 VIETNAM VOV; 1330 EG, Nx & Cmnty, contest, mailbag (Zilmer 4/5)(Brissett 3/14)
- 11505 CHINA RP; 0800 CH, cl Mx, EG lesson for CH, ID, also 2300-0100 (Findlater 3/16)
- 11620 INDIA AIR; 2140-2200 EG, "Melodies" (Sics 3/11)(Moman 3/10)(Mattson 3/15)(Sellers 4/4) (Field 3/20)
- 11637 ISRAEL Kol Yisrael; 2253 EG, Tlk abt the famous Jaffa orange, orange juice methods. (Demmitt 3/22)(Earhart 3/26)
- 11650 KUWAIT Radio Kuwait; 1935 EG, Pop Mx, OM DJ, interviews (Clift 3/5)(Kohlbrener 3/17) (Archier 3/29)(Sellers 4/4)(Moman 3/10)
- 11695 BELGIUM BRT; 0015 EG, Belgian-Zairien relations, third world review (Byron 3/10) (Moman 3/11)(Browne 3/9)(Earhart 3/8)

My MFJ-308 car converter is much improved now that I've added a 102" steel whip. Next I have to clear up my ignition noise. So far so good. More info in the future. Bye-Bye 4/2/81

# log report *section*

11700 TO 17699

TERRY COLGAN



- 11700 VATICAN VR: 2129 EG, sked & freqs read by W, ID (Moman)
- 11705 AUSTRALIA RA: 1110 EG, nx-in-brief, "Focus on Australia" (Posporelis)
- 11710 ARGENTINA RA: 0015 SP, M & W w/ ID, LAm mx, chimes @ 0030, nx to 0045 & into mx (Witte)
- 11710 NEW CALEDONIA RN: 0745 FR, pop mx w/ M DJ, //7170, p (Moman)
- 11725 SOUTH KOREA RK: 1000 EG, tlk abt upcoming KR elections (Byron)
- 11730 GREECE VOG: 0040-0120 GK, tlk on WWII, regional mx, ID, recipes for GK foods (Posporelis)
- 11740 USA VOA: 0000 EG, nx, tlk on jazz (Demmitt)
- 11740 SWAZILAND TWR: 1627 EG, M w/ address, rel pgm, p (Moman)
- 11745 TAIWAN VOFC: 1340-1355 Cantonese, M w/ tlk, EG ID, CH pop mx (Posporelis)
- 11745 PORTUGAL R Renascenca: 1830 PT, time sig, pgm summary, ID; surprisingly good signal considering it's beamed to Eur; marred by continuous clicking QRM from WYFR-11830; this stopped abt 5 min after I called Okechohee collect about a "technical problem" and they rejected my call, 3/1 (Hauser)
- 11755nf FINLAND RF: 0327 EG, back here from 11735 to NAM, noted mixing w/ Dubai; now one hr earlier due to Eur DST (Hauser)
- 11755 UAE UAE R: 0329 EG, nx w/ W anncr, IDs, p (Dunn, Petchesky)
- 11755 INDIA AIR: 2145 EG, mx, nx, g-exc (Smith)
- 11800 ITALY RAI: 0110-0120 EG, W w/ nx, IT mx, f (Ketzis)
- 11815 POLAND RP: 0300-0330 EG, nx, cmntry, g (Dunn)
- 11815 NETHERLANDS ANTILLES TWR: 1146 EG, "Morning Sounds", nx @ 1157, "Back to the Bible" (Thompson)
- 11830 BULGARIA RS: 0000-0100 EG, nx, cmntry, IDs, //15330 (Hauser, Moman)
- 11830 USA WYFR: 1300 EG, "Back to God Hour" (Demmitt)
- 11830 SOUTH KOREA RK: 1645-1659\* EG, nx, cmntry, ID, sked (Samuel)
- 11835 HAITI 4VEH: 1051-1100 SP, rel pgm, SP mx, TC & into EG @ 1100 w/ ID (Posporelis) tent logged @ 2330 w/ EG rel pgm, TPs & psbl ID, p, 3/10 (Moman)
- 11840 EAST GERMANY RBI: 0355 EG, tlk, DX pgm, sprts @ 0404, //11890 (Earhart)
- 11840 ROMANIA RB: 0426 EG, mx at tune-in, W w/ end-of-bcst anmts (Earhart)
- 11840 GUAM KTRW: 0900 EG, rel pgm, into JP @ 0930 (Eckman)
- 11845 CANADA RCI: 0300 EG, nx, mx, exc (Demmitt)
- 11856 SAUDI ARABIA BSKSA: 1855 EG, ID & stn address @ 1900, into pop mx, p (Clift)
- 11860 BULGARIA RS: 2140 EG, pol cmntry, sprts, //11810 & 11920 (Bainbridge, Moman)
- 11880 SPAIN SFR: 0000-0115, 0555 EG, nx, cmntry, DX pgm, concert mx, tourist pgm (Hoffmann + others)
- 11890 USSR RSPF: 1454-1500 EG, M w/ cmntry on SEAs, IDs, freqs, TC @ 1548, IS & into lang (Hensley)
- 11900 SOUTH AFRICA R RSA: 0157-0257, 0405-0415 EG, TC, freqs, nx, lbx, "Africa Today" (Browne, Demmitt, Earhart)
- 11915n PARAGUAY R Nac: 0028-0200\* SP, IDs, acknowledged reception repts, mixed mx, nx (Rigas + others)
- 11915 SEYCHELLES FEBA: 0314 SH, IS & into pgmng; no sign of HCJB on this or 11915 which they were annncg, 3/1 (Hauser)
- 11925 PORTUGAL RP: 0300-0330 EG, nx, PT mx, topical tlks, lbx (Bernacke, Browne, Petchesky)
- 11930 CUBA RH: 0415-0430 EG, nx, pol tlks, IDs, mx (Earhart, Posporelis)
- 11940 ROMANIA RB: 0422-0427 EG, tlk on economics (Posporelis)
- 11940 SINGAPORE SBC: 1031 EG, nx-in-brief, ID by M, ads, TCs, lite mx, f (Fisher, Lobdell) Chris notes first time hrd since he started listening in '68; well done--tc
- 11945 NEW ZEALAND RNZ: 0730, 1050, 1226\* EG, "Scrapbook", sprts, mx, nx @ 1200; "NZ Calling" on this freq, 1st & 3rd Mons, 1015-1045 (Hauser, Malin, Posporelis)

11955 CANADA RCI: 1639-1700 EG, relay of CBC "Sunday Morning" (Hoffmann)  
11960 USSR RM: 0203-0208 EG, M w/ nx, ID @ 0208 (Hensley)  
11990 CZECHOSLOVAKIA RP: 0100-0130 EG, nx, press rev, folk mx, pgm on stamps (Browne)  
12070rf MONGOLIA RUB: \*1219-1249\* EG, OC til 1220, IS to 1221, W w/ ID, orch mx, ID by M & sked, nx to 1237, ID, long cmntry, IDs by M & W @ 1242, exc (Cunningham) ex-11825--tc  
15010rf VIETNAM VOV: 1530, 1816, 2030 EG, IDs, nx, VT mx, pol cmntrys, lbx (Findlater + others) \*1700 VT, ID per WRTH, short anthem, anmts by M & W, tlk by M, p (Hood)  
15014.8 ECUADOR HCJB: 0155 SP, spur hr in clr, 140 kHz from 15155 which is 140 from 15295; strange, the dominant audio is SP originating fr 15295 which is not recvd as well as the mixing prod, 3/3 (Hauser)  
15045 GRENADA RFG: 2255-0030 EG, lcl anmts, nx, sprts, ads, mixed mx (Bainbridge, Moman, Samuel)  
15100 USSR RK: 0318-0330 EG, "Meet the People", ID @ 0322, cmntry on female labor, ID & sked @ 0326 (Hensley)  
15100 USSR RY: 0330-0358\* AM/EG, class mx, EG ID & historical tlk, sked (Brissett)  
15105 MALTA DW: 0120 EG, IS, ID, nx (Demmitt, Moman)  
15105 ISRAEL KI: 0511-0516 EG, M & W w/ nx, f (Earhart)  
15110 INDIA AIR: 2335 EG, folk mx, jammer splatter de 15115, p (Lobdell)  
15115 AUSTRALIA RA: 0645-0710 EG, "ABC Showband", nx, ID, cmntry (Petchesky, Samuel)  
15120 NIGERIA VON: 0610-0710, 2000-2200v\* EG, "News About Nigeria", ID & Freq anmts, press rev, TCs, Af mx, off w/ NA (Hood + others)  
15120 POLAND RP: 0200-0220+ EG, nx, cmntry, folk mx, ID (Petchesky, Reid)  
15135 NORWAY RN: 0730-0800+ NO, EG ID, M w/ NO songs & mx, f (Findlater)  
15165 DENMARK RD: 1830 DN, reg pgms, DN/EG ID, NA & off, p (Moman)  
15170 SOCIETY ISLANDS RT: 0211-0302, 0536-0551 FR/TT, call-in show, mixed mx from Beatles to Bach, new-sounding ID @ 0300 (Earhart, Eckman, MacLaughlan)  
15175 NORWAY RN: 1610-1630 EG, "Norway This Week" (Hoffmann)  
15185 USA WINB: 2232-2240 EG, rel pgm, some QRM, f (Malin)  
15210 EGYPT RC: 2100-2158\* Yoruba, M w/ chants & tlk, off w/ anthem & ID, p (Findlater) lang per WRTH--tc  
15215 PORTUGAL/WEST GERMANY RFE: 0700-0805\* RM, ID as "Radio Europa Libera", pop mx and chatter, W w/ nx @ 0800, f (Findlater)  
15220 HUNGARY RB: 0212 EG, ID, nx, cmntry, sprts (Petchesky)  
15230 CUBA RH: 1130 SP, LAM mx, ID, nx read by M (Bainbridge)  
15250nf LIBYA VOA: 0225-0303\* AR, ME mx, ID @ 0230, radio drama to 0245, ID & anmts, nx, Koran chants, anmts & ID @ 0257, speech by M, ME tune to 0303, g, 3/9 (Hood) certain freq not 15245?--tc  
15260 CANADA BBC: WS 1505 EG, "Radio Newsreel", cmntry (Hoffmann)  
15265 FINLAND RF: 0700-0800 EG, ID, "Sunday Best", f (Findlater)  
15270 SWEDEN RS: 2315-2330 EG, "SCDX" w/ SSTV pics; sent 11 pics which I ran thru an Apple II loaded w/ a decoding pgm; 9 pics were fuzzy at best, but did catch a pic of George Wood and one of "Cop" McDonald, inventor of SSTV; interesting; 3/25 (Cunningham)  
15310 BULGARIA RS: 0200-0230 SP, ID, LAM mx w/ interspersed tlk, into IT @ 0230, p-f (Findlater) sure they didn't go into PT?--tc  
15320 UAE UAE R: 0330-0400 EG, W w/ nx, ID @ 0345, requested repts, "Trade Routes, Markets and Commodities", into AR @ 0400 (Dunn + others) 2030-2048\* AR, march mx, M w/ nx, NA, g (Lobdell)  
15330 ITALY RAI: 0351-0405 EG, W w/ nx, bcst to Aust (Earhart)  
15360 ECUADOR HCJB: 0153-0200 EG, "Passport", ID @ 0154, another rel pgm, ID & freqs @ 0200 (Hensley)  
15425 SRI LANKA SLBC: 0030-0109+ EG, ID, "This is Daybreak", mx request show, f (Briscoe, Moman)  
15430 MEXICO RM: 2300-0000 EG, M & W w/ tlk on Mexican history, US pop mx, into SP @ 0000, vg (Findlater) this on 3/22--tc  
15445 BRAZIL RNB: 0240-0301 PT, tlks & lite mx, IDs @ 0250 & 0300 (Earhart)  
15470 USSR RN: 0130 SP, IS, ID, tlk (Clift)  
15490 USSR RSP: 0118-0130 SP, pol cmntry, ID, f (Clift) UHN lists RM here w/ SP to SAM--tc  
15570 SOUTH KOREA RK: 2055-2100 SP, KR LL, ID (Posporelis)  
15582.6 ISRAEL KI: here for EG @ 0000, 0100, 0200 along w/ other freqs, ex-7412.5; freq est from ICF-2001 (Hauser)

Not many logs this month. Hopefully, enough for a full 4 pages next time.  
73 de tc

Terry

# log report section

17700 & ABOVE

# E

BRETT SAYLOR

- 17705 PHILIPPINES R Veritas Asia; 0300-0400\* EG/VT, ID "This is KVA;" cmtry & nx by W, fair. Also hrd 0000-0200, better (Findlater CA)
- 17710nf UNITED ARAB EMIRATES Dubai; 2040-2053\* Ak, tlk by M to 2045 ID, poss Koran to 2050, s/off + anthem to 2053; vry gd (Buer 3/27)
- 17710 HUNGARY R Budapest; EG to NAM at 0100, 0200, 0300 (not all daily) good signal w/ comment, nx, trumpet IS (Hauser, Earhart, Moore, Spi-
- 17720 USSR R Moscow; 0325-0345 EG, usual nx, mx (Bernacke) czka)
- 17725 JAPAN R Japan; 0215-0231 EG, regional svc, world nx into SP pgm @ 0230 (Bernacke 3/30)
- 17730 USSR R S Peace & Progress; 1450-1459 EG, Asian Panorama, weak & Fluttery (Spiczka 3/14)
- 17730 USA VOA; 0040 EG, interview on Women's National Bank, tlk on co-education in US, good (Demmitt 3/21)
- 17745 ALGERIA R Algiers; 2100-2130 EG, ID "You are tuned to R Algiers Int'l Svc," anno'd // 7145, 9610, 11740 (none hrd); nx, local ME and rock mx (Archer 3/29, Zilmer)
- 17750 CUBA R Havana Cuba; 2110 EG, ID, "The Cuban Story," "P.O. Box 7026," pgms; good w/ fades (Archer 3/22) Browne)
- 17755 JAPAN RJ; 0000, 0200 EG, ID, nx, current affairs (Kohlbrener, \*1700 EG, nx by M, poor w/ jammers on both sides (Reid 3/23) 16)
- 17765 ALGERIA RA; 0000 AR, // 21635 after 0000 had good sig (Hauser 3/
- 17775 UAE Dubai; 1033 EG, nx by W, ID's-UAE Radio (Sellers 4/4)
- 17780 SOUTH AFRICA R RSA; 2100-2130 EG, Afr nx, P.O. Box 4559 mailbag pgm, het from 2111 (Archer 3/22) 0448-0505 PR, mx, M anner, no ID on hour (Earhart 3/28) +(Williams 3/31)
- 17790 ROMANIA R Bucharest; 0544 EG, "The Week" pgm w/W, ID by M (??)
- 17795 AUSTRALIA R Australia; 0621-0630\* EG, mx, tlk (Earhart 3/7)
- 17810 BRAZIL R Nacional; 0200 EG, nx & mx (Fields 2/18)
- 17820 CANADA R Canada Int'l; 0100 EG, now gangbusters here, eve hosts concentrated on USA rather than Caribbean & S Am; last time this freq used it was beamed 176°, now it's 240° with 250kW. Rare instance of a station actually rising to the MUF (max usable freq) where theoretically propagation is superior to lower freq's. (Hauser)
- 17825 JAPAN RJ; 2345 EG, nx & cmtry (Fields)
- 17830 BRAZIL RNB; \*0200-0300 EG, IS, ID, times & freq's; Brazilian mx, nx, listener's letters, features on cattle raising, agriculture, fishing, humming birds - good (9 reporters)
- 17830 SWITZERLAND Swiss R Int'l; 1530 EG, nx, clear receptn (Grosvenor)
- 17835 PORTUGAL R Free Europe; 2150-2200 EG, in March this became the best RFE Fri EG freq; //15255, 11825 jammed, also 9565; 9725 co-channel Turkey. Times are to change in April to 2050-2100 (Hauser)
- 17845 USSR R Moscow NAM Service; 0300-0440 EG, mailbag show, best freq noted for bcst to the West. Also carries Vilnius 2200, Kiev 2330, Yerevan 0230 (Hauser, Mayer)
- 17850 SWITZERLAND SRI; 1315-1345 EG, nx, Panorama, //21570, 21520 (Zilm-
- 17850 USSR 0500-0600 HS, ID, couldn't understand locale in HS (thought it might be 'Vladivostok') (note...not listed in '81 WTH or UHN ...ed) think it might be R S Tikhiv Okean; RM IS hrd on the hour for a few seconds, chopped off in the middle. Tlk by M & W, with apparent telephone call-in; vry good (Findlater 3/13)
- 17855 CHINA R Peking; 0000, 0145-0155 EG, tlk on stereo industry in China, exports to US & Japan, nx (Fields, Bonnet) 0238-0258\* CH, tlk by W, song by children choir (Barhart)
- 17860 NEW ZEALAND R NZ; 0300-0630\* EG, easy-listening mx, sports events weather forecasts, "N.Z. Calling"; co-ch with Mayak, but many report it coming in well; changed to 11945 at 0630 where fighting it out with BBC; Hauser rpts it in JP @ 0336 (11 reporters)
- 17870 USSR 0330-0400 Armenian/EG (at 0353) K Yerevan; nx, tlk on Arm agriculture, cmtry. (Samuel, Eckman, Spiczka, Sharpe) Since 4/1 has been in EG one hour earlier at 0251, announcing imaginary & inaccurate wavelengths of 16.7, 18.4, and 19.8 meters, and time

\* note changes in times with \* ->

- (cont.) as 7:30 pm PST (Hauser)
- 17885 UNITED KINGDOM BBC; 1745\* EG, sports news (Grosvenor)
- 17900 VATICAN STATE Vatican R; 1600-1615 EG, IS, ID, religious pgm, mx; fair (J Williams 4/5)
- 17910 PAKISTAN R Pakistan; 1215-1315\* AR, tlk, local mx, IS, ID at s/off; //21485, 21755, not on 1330 as per WRTH, fair (Zilmer)
- 21440 USSR (?) Programming audible here 1210, off by 1300 check, mx and tlk, reminded me of Soviet HS; freq does not work out to a likely 3rd harmonic, and not hrd on subsequent checks (Hauser 3)
- 21455 WEST GERMANY/PORTUGAL RFE; 2046-2050 lang, mx, heavy (12) Jamming (Malin 3/11) 2140-2143\* BG, IS at s/off (Sica 4/1)
- 21455 GREECE Voice of Greece; 1500-1530 GK, nx by M & W, GK mx & tlk; poor due to jamming on freq (Rigas 3/12)
- 21460 BELGIUM RTB; 1640 FR, drum/xylophone IS to 1700, ID by W; // 15210 (Moman-Alberta 3/3)
- 21460a AFGHANISTAN RA; 1415-1500 Pushto, vocal mx, time signal at 1430 nx by M, after 1450 buried under Belgium (Rigas 3/12)
- 21465 USSR RMWS; 1400 EG, nx, cmtry (Zilmer 3/24)
- 21465 EAST GERMANY R Berlin Int'l; 1400-1442 EG, nx, cmtry, interview, mx; //21540, 17700 (Zilmer 3/17)
- 21475 FINLAND R Finland; 1330 EG to NAM, IS, pgm line-up, nx; //15400 good (Sellers 4/4)
- 21500 EAST GERMANY RBI; 1800 EG, nx, mx, cmtry to Afr (Zilmer 3/23) (time??) EG to Afr, with 'worker's contributions'-type stuff stronger than NAM svc usually is (Dale)
- 21515 FRANCE R France Int'l; 1830 EG, end of 'PCA,' into FR w/ app call-in show hosted by M & W; //21580 only audible (Dale) 1700-1800 EG, nx, Focus on France, Spotlight on Africa (Browne, E Hoffmann, Grosvenor)
- 21520 SWITZERLAND SRI; 1340 EG, "Round About Switz." (Sellers 4/4)
- 21525 AUSTRALIA RA; 0400 EG, world nx, Aust nx, echo suggesting multipath receipt; singing ID, fair (Archer 3/28)
- 21525 -> BELGIUM BRT; 1330 EG, to NAM to 1400 (former 1335-1405) (Hauser)
- 21530 BULGARIA RM (relay); 2300 EG, nx, cmtry on US space shuttle, dangers of nuclear war, good (Demmitt 3/22)
- 21535 SOUTH AFRICA R RSA; 1501-1510 EG, ID by M, world nx (Hensley) 0720 EG, easy-listn mx, "Good Morning Africa" show, //17780 (Alexander 3/28)
- 21545 KUWAIT R Kuwait; 0420 AR, dramatic readings by M&W, bkrd mx, ID at 0425 (Baker 4/3) 0550 EG, tlk of petro engr at University of Kuwait (Moman 2/22)
- 21570 SWITZERLAND SHI; 1800 EG, ID, nx, Dateline; now w/ AFKTS opening at 1800 from old 2100, they conflict badly to 2030 (Clift, Hauser)
- 21580 FRANCE RFI; 1700-1755 EG, nx, mx, new contest---name the largest producer of petroleum in Black Afr; 20 wrist watches as prizes (Bonnet)
- 21590 PAKISTAN RP; \*0230-0245\* EG, slow-speed nx, much QRN; worse on // 17835, not on 21745 (Spiczka 3/22)
- 21605nf SAUDI ARABIA BSKSA; 1933-1940 AR, tlk to 1934 ID, song followed by audience applause; vry gd (Buer 3/29)
- 21615 LATVIAN SSR RMWS via Riga (per IPRB) 1515 EG, w/ Vladimir Pozner; fair, //21715 (Davis-CA 3/16) not listed in latest UHN..ed
- 21615 SWEDEN R Sweden; 1400 EG, Saturday Show (Fields 2/14)
- 21620 FRANCE RFI; 1700 EG, nx, mx, letterbox (Fields) 0635 FR, tlk, ID, FR mx; also hrd well on 14 (!) // freq's, 11705 best (Clift)
- 21625nf UAE Dubai; 1658-1705 EG/AR, EG ID at 1658 followed by mx to 1700 time signal; ID in AR, then nx; better than // 21655, 21700 (Buer 3/21)
- 21630 AUSTRALIA RA; 1850-2000\* EG, nx, sports scores, mx; off w/ "Waltzing Matilda" (Kohlbrener 3/17, Zilmer, Clift)
- 21635t ALGERIA RTVA; 0225-0238 AR, string mx, singing by M (Earhart)
- 21645 EAST GERMANY RBI; 1540-1545\* EG (Sica) pgm details?? ed

- 21655 UAE Dubai; 1635 EG, program of news, "Trade Routes and Commodities," into AR at 1700; ID as "this is the Sunshine Station, UAE Radio in Dubai." Very good signal here in Germany; //21700 even stronger (Wicks-FRG) rcv a QSL yet, Doug? (ed) 1630 - 2000 EG/AR, sometimes //21625, 21700; programs as above + news, sports scores, slight QRM de Norway at times (Zilmer, Cress, Bonnet, Williams, D'Angelo, Buer)
- 21655 AUSTRIA ORF; 1230 EG, Report from Austria, SW Panorama, nx; QRM from Dubai when they open early on this freq, also RMSAs svc there too (7 reporters)
- 21660 CYPRUS BBC; 0600 EG, nx, cmtry, slow fades-fair (Lucas 3/22)
- 21660 ASCENSION ISLAND BBC; 1115 EG, "New Ideas," good (Demmitt 3/21)
- 21670 USA UN Radio; 1800-1830 Fri only, EG, ID, IS, tlk of UN; fair (Briscoe 3/20)
- 21670 PHILIPPINES AFRTS; 0200-0230 (via Poro) EG, CBS nx, sports (Rigas)
- 21680 AUSTRALIA RA; 0515-0805 EG, nx, sports, field&track event, US nuclear bases cmtry (Clift, Samuel, Byron)
- 21685 NETHERLANDS ANTILLES R Netherlands; 1738 AR, tlk, ID, //17810, 17730 (Clift 3/6)
- 21700 UAE Dubai; 0520-0755 EG/AR, Western jazz, full ID, address by W requesting reception reports; QRM'ed (Samuel 3/5, Moman)
- 21710 UK BBCWS; 1533-1545 EG, Outlook pgm (E Hoffmann 3/23)
- 21715 GEORGIAN SSR RMWS via Tblisi; (per IPRB) 1515 EG, usual RMWS pgm, poor; //21615 (Davis 3/16)
- 21725 MOROCCO RTVM; 2025-2105 AR, vocal & instr mx, ID by W as "Huna Ribat," good (Brisett)
- 21725 ALGERIA RA; 0230-0310 AR, vocals, nx; //21635 (Rigas)
- 21730 NORWAY RN; 1400-1430 EG, s/on, nx, "Listener's Corner." (Sellers)
- 21740 AUSTRALIA RA; 0100-0300 EG, press rvw, pop/disco mx, nx (Moman, Earhart, Hensley, Rigas, Reid)
- 21745 PAKISTAN RP; 0238-0245\* EG, nx rpts by M - dictation speed; vry gd (Reid 3/22)
- 21745 PORTUGAL R Liberty (sked says Gloria site); 1945-2010 RS, tlk to 2000, IS, ID and nx to 2010; fair over jamming (Buer 3/27)
- 21755 PAKISTAN RP; 1600-1615\* EG, slow-speed nx, ID as "GOS of RP" (Sica 3/21, D'Angelo, Samuel)
- 21810 BELGIUM BRT; 1530 DT, nx, tlk (Zilmer 4/4) 1638-1650 DT, nx, stock market rpt, off at 1659 (Moman 3/3, Clift) 2035-2045 lang, football game, M anncr-good (Malin 3/11)
- 21960 UNID 2330-2340 lang, mx, M anncr, poor strength, have heard this in FR before; any help?? (Malin 3/24) a harmonic?? ed
- 24020h USSR RMWS; 1647 EG, opera mx, 2x12010, //11840, 11860 (Clift 3/6)
- 25640 USA AFRTS; 2329 EG, sports, WWV time at 2330 (Moman)
- 25640 ISREAL Kol Isreal; 1627 RS, tlk, IS, ID, //21495, 21675 (Clift)
- 25700 ALGERIA RA; 2100-2130 EG, FR to 2100 when nx, cmtry, mx; freq is unannounced, seems to replace 25680 (check 2000-2030 when they go to DST) (Hauser 3/24, Zilmer, Rekich)
- 25730 NORWAY RN; 1200 EG, nx, mailbag, exc (Moore 4/5) 1600-1630 EG, "This Week in Norway" exc (Rekich 4/5) 1700 EG, good (Reid 3/22)
- 25730 SOUTH AFRICA R RSA; 1410-1420 FR, IS w/ EG, FR ID to 1414, then mx to 1416, talk; not sked this time (test?), mix with Norway (Buer 3/28)
- 25820 FRANCE kFI; 1549 FR, 1605 EG, IS, ID, "PCA," cmtry, new time due to FR domestic time change; sked to be for next six months (Hauser 3/29, J Williams, Malin)
- 25880 MOROCCO VOA; 1310 RS, 35kW, jammed underneath; former Bethany on this freq now on 25800 (Hauser 3/10)
- 25950 FINLAND RF; 1430 FN, to 1520, an hour earlier due to time chng; good signals (Hauser 3/29) 1530 FN, IS, ID, tlk (Zilmer 3/18)
- 26000 PHILIPPINES VOA; 1535 w/ AFRTS pgm audible (Hauser 3/1) 2327 EG VOA interview and nx (Moman)

A real bumper crop of logs this month--thanks to all you for reporting. Also thanks to Bill Oliver for the extra page this month--we will try to get one as often as space in the bulletin allows--thanks to those who wrote about it!

# naswa AWARDS reports

7921 Anfred Drive  
Laurel, Maryland 20810

May, 1981

The following report gives all awards issued during the period 1 January 1981 through 20 April 1981. All awards are listed in chronological order of issue. While the illness that plagued me during the past winter has passed, the severe work schedule and travel has prevented me from being as prompt with awards presentation as I would like to have. I do hope that future will bring more prompt issuance of awards from here.

## AFRICAN CONTINENTAL DXER

John Moritz  
Chris Gibbs

## EUROPEAN CONTINENTAL DXER

Caesar Braga Jr.  
Mike Reid  
Joy Cronin  
M.D. Kirkland  
Douglas Wirs  
James Ionsdale  
Jim Davis  
Austin Kelly  
Scott Warner  
William Krause

## EUROPEAN CONTINENTAL DXPERT

M.D. Kirkland  
Chris Gibbs  
Kevin Mikell  
Jeffrey D. O'Donnell

## SOUTH AMERICAN CONTINENTAL DXER

Don Moore  
M. D. Kirkland  
Jerry A. Lineback  
Jeffrey D. O'Donnell

## SOUTH AMERICAN CONTINENTAL DXPERT

Kevin Meyer

## NORTH AMERICAN CONTINENTAL DXER

Robert I. Cate

## NORTH AMERICAN CONTINENTAL DXPERT

Paul Buer  
John C. Herkimer

## DXER DE PACIFICA

Chris Leitner  
Don Moore  
Robert J. Vance  
Douglas Wirs  
Jim Davis  
Kunihiro Kasuga

## ASIAN CONTINENTAL DXER

Chris Gibbs  
Douglas Wirs  
Kunihiro Kasuga  
Jeffrey D. O'Donnell  
William Krause

## ASIAN CONTINENTAL DXPERT

Bill Whitacre

## MASTER BRITISH COMMONWEALTH DXER

Don Moore

## WORLD WIDE DXER

Caesar Braga Jr.  
Paul E. Chorassy  
Kennedy L. Briscoe  
Murray S. Levine  
Austin Kelly  
Al Schlangat  
Jim Shaver  
William Krause

## DX CENTURION

M. D. Kirkland  
Chris Gibbs  
Douglas Wirs  
Jim Davis  
Kunihiro Kasuga  
Jeffrey D. O'Donnell  
William Krause

## SENIOR DX CENTURION

Chris Gibbs

## ALL CONTINENT QRP DXER

Chris Gibbs--- 10 KW  
Robert J. Vance---25 KW  
Bill Whitacre---5 KW  
Jeffrey D. O'Donnell---25 KW  
William Krause---25 KW

## SENIOR NIGERIAN DXER

Dave Valko

## MASTER NIGERIAN DXER

William Krause

## SOVIET SPHERE DXER

Kevin Mikell

## MASTER SOVIET DXER

Jeffrey D. O'Donnell

## ECCLESIASTIC DXER

Don Moore  
Jim Green  
Douglas Wirs  
Randell C. Meyle

## MAPLE LEAF DXER

William Krause

## VOA DXER

Kenneth L. Briscoe  
William Krause

## SENIOR BRITISH COMMONWEALTH DXER

Don Moore  
Jim Davis

## ARAB WORLD DXER

Stephen Pitts

## SR. ECCLESIASTIC DXER

Don Moore  
Chris Gibbs

# PUBLISHER'S PAGE



We are a little light in some of the Log Report sections this month due, in part, to a mail delay. Terry Colgan phoned to say he received many fine loggings much too late for inclusion this month. Terry adds that he is sorry about this and that much of the material will appear next month.

**FOR SALE:** Realistic DX-150A communications receiver in good condition, \$70. Also a Midland 8-band receiver (AM, FM, LW, AIR, PSB, MB, SW1, SW2) in good condition, \$40. These prices do not include shipping. Peter J. Giacomelli, 305 Ocean Avenue, Malverne, NY 11565. Phone (516) 887-7490.

**FOR SALE:** National NC-109 general coverage receiver, 0.5 - 41 MHz, AM and SSB/CW, with variable selectivity, \$90 plus UPS. Also power supplies for Sony 2001: AC adapter (4.5 v @ .7 amps) and DC-DC converter (12 v to 3, 4.5, 6 v @ .6 amps), \$30 for both. **WANTED:** Photocopy of low-cost digital counter project in Winter 1980 edition of "Radio-Electronics Special Projects". Fred Schumacher, RR 2, Box 231, Kindred, ND 58051.

**FOR SALE:** Drake R-4B with crystals for 90, 60, 49, 31, 25, 19, 16 and 13 meter bands plus 8.5 MHz, CB and amateur coverage. Has switchable crystal selectivity (.4, 1.2, 2.4, 4.8 kHz) independent of mode and the legendary Drake pasband tuning. Also has a built-in notch filter. Complete with manual. In top notch condition thru-out. Will ship anywhere for \$375. Also a Mizuho SX-59 preselector modified by Gilfer. Hardly ever used and in new condition, \$55. Herb Shatz, 80-35 Springfield Blvd., Queens Village, NY 11427. Phone (212) 464-8561.

**WANTED:** Manual for Hallicrafters SX-73 and SX-100. I would also like to get in touch with other local SW Listeners in the Toledo area, primarily those who like the older tube receivers. Baron Von Thoma, 6048 Meteor Ave., Toledo, OH 43623. Phone (419) 475-6464.

**FOR SALE:** Yaesu FRG-7000-424, Gilfer 2.4 mods, dust cover, YH-55 phones, manual, original carton. Excellent condition. \$500 or best offer. I will ship. Also Barlow Wadley XCR-30 Mark II, manual, original carton. In good condition. \$110 or best offer. I will ship. Also BC 221-AK frequency meter in wooden case, calibration book, 110 VAC power supply. \$50 or best offer. I will ship. Tom Overcamp, Route 2, Box 98, Seneca, SC 29678. Phone (803) 882-7906.

**FOR SALE:** Drake SW-4A in excellent shape, clean and unmodified, extra crystals for tropical bands, 600 ohm headphones. I'll ship to you for \$179. D.L. MacLaughlan (KAEJPL), 300 East Belevue #111, Pasadena, CA 91101. Phone (213) 793-4862 anytime. If I'm not home, machine will answer.

**FOR SALE:** Realistic DX-300 for \$259.95. Write to David Hailey, c/o Rob Harrington, 3181 South York Street, Englewood, CO 80110. Phone (615) 292-0693 from 0200 to 0500 GMT daily.

**FOR SALE:** Panasonic RF-2200, five months old, for \$110. Sony ICF 5900 for \$35. Both for \$180 postpaid. **WANTED:** Drake AL-4 loop antenna for SPR-4. Sonny Chan, 4260 Broadway, Apt. 308, New York, NY 10033.

**FOR SALE:** Barlow Wadley XCR-30 in very fine condition. Includes AC adaptor, 6 "D" batteries and external antenna lead-in, all for \$165 UPS paid to your door. **WANTED:** NASWA/FRENDX bulletins 1976 and earlier. Please state issues you have, condition and price. Terry A. KLASSEK, 9720 Vickie Place, St. Louis, MO. Phone (314) 868-7274.

**FOR SALE:** Drake SPR-4 with calibrator and switchable EFO for SSB filtering on AM. In excellent condition, \$350. Jeff Stover, P.O. Box 494, Lock Haven, PA 17745. Phone (717) 748-6729

## NOTICE

## NOTICE

## NOTICE

The new address of the Handicapped Aid Program is: HAP-US, ROUTE 4, BOX 32, ROLLA, MO 65401. All HAP-US members who have not been contacted since the first of the year should drop a line to HAP Headquarters at this address.



Deadline is the twelfth.

# FRENDX

Distributing Ed: GREGG BARES,  
P.O. BOX 345, Watertown, CT 06795.

# GREDS

We had 78 reporters this month; that's two less than last time. Let's try not to let that total drop any more. Please also note my recent address change.

Brian ALEXANDER, Mechanicsburg, PA (RF-4900, R-4)...Rowland F. ARCHER, Jr. Hillsborough, NC (DX-300)...William J. BAINBRIDGE, Fairmont, WV (DX-300)...Donald R. BAKER, Millsboro, DE (RF-4900)...Gregg BARES, Washington, DC...Phil BERNACKE, Nogales, AZ (DX-302, RDA-127)...Arthur G. BONNET, West Lafayette, IN (DX-302)...Kenneth BRISCOE, New Albany, IN (RF-2900, Trans-Oceanic)...Michael J. BRISSETT, West Allis, WI (SX-190, DX-160)...Robert BROWNE, Memphis, TN (RF-2200)...Steve BRYANT, Bourbonnais, IL (FRG-7)...Paul BUER, Miami, FL (SPR-4/FS-4)...Leslie BYRON, Laurelton, NY (Patrolman 9)...Mark CASTANON, San Antonio, TX (DX-302)...Anthony A. CLIFT, Campbellville, ONT (ICF-2001, R-390A)...Hadley D. CRESS, Harrisonburg, VA (FRG-7700, RF-2800)...Vladimir CUCURA, Jr., Reading, PA (FRG-7000)...Larry CUNNINGHAM, Columbus, OH (FRG-7000)...Richard DALE, Springfield, MO (RF-2600)...Richard A. D'ANGELO, Wyomissing, PA...Jim DAVIS, Davis, CA (RF-2900)...Michael DAYAN, Plymouth, MN (FRG-7mod, R-4B)...John H. DEMMITT, Bellefonte, PA...Ken DUNN, Hamilton, ONT (DX-200)...Kenneth A. EARNHART, Allentown, PA (NRD-505)...Rich ECKMAN, Rockford, IL (RF-4900)...Richard A. FIELDS, Conshohocken, PA (Transoceanic)...J. FINDLATER, Universal City, CA (FRG-7000)...John M. FISHER, Chelmsford, MA (GPR-90)...Karl FORTH, Chicago, IL (HQ-160)...Tom GAVARAS, Plymouth, MN (HQ-180)...Charles GEORGE, Dallas, TX (SSR-1, RF-2600, RCA/CRV-46151)...Sholom GLIKSMAN, Chicago, IL (RF-2800)...Norman L. GROSVENOR, Hollywood, CA (FRG-7)...Bob GUNDERSEN, Northfield, MN (R-1000)...editor Glenn HAUSER, Knoxville, TN (FRG-7, ICF 2001, HQ-160)...Baxter W. HENSLEY, El Paso, TX (FRG-7, SX-190) Emmett J. HOFFMANN, St. Louis, MO (51S-1, R-1530)...Bill HOOD, Lac du Bonnet, MAN (RA-17C, R-4B)...Rufus JORDAN, Pittsburgh, PA (DX-302, Trans-Oceanic)...Mike KETZIS, Leavenworth, KS (R-1000, ICF 5900)...Dr. S. David KLEIN, Edison, NJ (DX-160)...Fred S. KOHLBRENNER, Philadelphia, PA (DX-300, DX-160)...Chris LEITHNER, Brentwood, TN (DX-160, RF-2200)...editor Jerry A. LINEBACK, St. Joseph, IL (R-7)...Rick LUCAS, Stockton, CA (R-1000, DX-160)...D.L. MacLAUGHLAN, Pasadena, CA (SW-4A)...Kevin C. MALIN, Seattle, WA (R-1000)...Carl MATTSON, Jr., Farmingville, NY (FRG-7, HQ-180A, R-8)...Eric P. MAYER, Ashland, OH (RF-4900)...Scott MCCLELLAN, Battle Creek, MI (FRG-7)...You're absolutely right Scott, pirates should be treated as 'legit' shns as far as *NASWA* is concerned...GRB...Randy McCOY, Utica, MI (DX-302, DX-300)...Kevin L. MEYER, Pittsburg, KS (FRG-7000mod)...Don MOORE, Bellefonte, PA (FRG-7000, XCR-30)...Don MOMAN, Edmonton, ALB (R-7)...Serge Peter NEUMANN, Gulf Breeze, FL (HQ-180AC)...Mike NIKOLICH, Chicago, IL (SPR-4, HQ-180, SX-190)...Bruce PETCHESKY, New York, NY (ICF 2001)...James POSPORELIS, Troy, NY (RF-2200)...Ben RADCLIFF, Ottawa, IL (SB-310)...Andy REID, Peterborough, ONT (S-53A)...Steven H. REINSTEIN, Miramar, FL (RF-4900)...Dean REKICH, Prospect, PA (HQ-145, R-1000)...Christos RIGAS, Chicago, IL (VEF 206)...Chris SAMUEL, Winnipeg, MAN, (RF-2800)...Harold SELLERS, Scarborough, ONT (RF-2800)...Bryan SHARPE, Castro Valley, CA (DX-302)...George B. SHERMAN, Minneapolis, MN (HRO-500)...Louis SICA, Jr., Flanders, NJ (FRG-7)...Todd SMITH, Wilton, CT (DX-160)...Robert A. SPICZKA, Bloomington, MN (FRG-7-424)...C.C. THOMPSON, Scarborough, ONT (R-1000)...Andrew G. WALLACE, Chelmsford, MA (HRO-501)...Kelvin L. WATTS, South Penrith, AUSTRALIA...John WILLIAMS, Bloomington, MN (R-1000, R-4B, SPR-4)...Alan C. WINDSOR, East Point, GA (Regency WT-4)...Niel WOLFISH, Toronto, ONT (FRG-7)...Robert R. ZILMER, Rio Rancho, NM (R-1000, ICF 5900W)...

Hope to hear from you all next month, 73s from your friendly D.C., hi, *GRB*

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