

# FRIENDX



# THE COVER STORY

from

## THE *Minnesota* DX CLUB



FOR IMMEDIATE RELEASE

July 29, 1985

LARRY LUNDBERG AWARDED ANARC 1985 NORTH AMERICAN DX-ER OF THE YEAR AWARD

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(Brooklyn Center, Minnesota) Larry Lundberg of Brooklyn Center (a suburb of Minneapolis), Minnesota has been selected 1985 North American DXer of the Year by the Association of North American Radio Clubs. The announcement was made at the Association of North American Radio Club's convention in Milwaukee, Wisconsin on July 20th. This award honors one individual each year for outstanding service in the promoting of shortwave listening, as voted by the 17 member clubs of this organization (some of these clubs have memberships of more than one-thousand).

Lundberg's interest in radio listening dates back to 1923, at the age of 10, when he tuned in an AM broadcast station on a crystal radio. In 1932, Lundberg's interest turned to international shortwave monitoring. During this decade, Larry became an active contributor to many shortwave publications. In addition, he also originated the World Wide Hobby Club in 1938 with a circulation in 80 countries.

After World War II, Larry left the hobby of shortwave listening until the late 1960's. Soon afterwards, he became a monitor and monthly shortwave news reporter for Radio Canada and a founding member and first secretary of the Minnesota DX Club (which has been holding monthly meetings since 1973). In addition, throughout the years, Larry has reported his reception of international shortwave stations to various international broadcast magazines along with articles comparing radio listening between the 1930's and today. Lundberg was also a speaker at the 1981 Association of North American Radio Clubs convention in Thunder Bay, Canada. Today, Larry continues to be an active promoter of shortwave listening in the Twin Cities area and an official monitor for Deutsche Welle (the Voice of Germany in Koln, West Germany), NHK Radio Japan and Radio Prague, Czechoslovakia.

Larry Lundberg resides with his wife Margaret at 3824 56th Avenue North in Brooklyn Center, Minnesota. The Lundbergs have two children, Gloria and Marian.

NOTE: The term "DX" is a radio term meaning distance listening. International broadcast (shortwave) listening should not be confused with amateur radio (which consists of two way communications). Shortwave broadcast monitoring involves the listening to official foreign broadcast stations, many of which broadcast specifically to North America in English with news, commentary, music, etc. (i.e. Radio Sweden, Radio Moscow, etc.).

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# CONTACT

Editor: Stephen G. Moye, 178 Bartlett Ave., Cranston, RI 02905 Phone: (401) 941-6497

I give you greetings from a 'hazy, hot, and humid Rhode Island. At present the air-waves are dead, and I haven't checked my pulse recently. However, we have some fine letters and some interesting bits of information to look through. So let's ignore the heat for a while and get on with the business at hand.

With news of Radio Earth and other matters we have the following from Duke Alexander (Houston, Texas):

...Most exciting news -- Jeff White has reached tentative (by now, ironclad--sgm) agreement with the new 50kw Dallas station KCBI. (Duke goes on at this point to give frequency/time schedules of the broadcasts which were changed somewhat later. The revised and correct schedule is as follows: Sundays, 1800-2100UTC, 11790 MHz -- sgm.) I heard the test transmission at 1730UTC at the e-g-e booth at ANARCON - exceptional signal, as strong as that of WRNO up there!

(Re: the critic of the Norman proposal:) He did not read carefully enough. The manufacturers already make the sets -- this critic sounds like another who said that he did not want to pay extra for SW if he did not want it. Anyone familiar with the manufacture of current devices knows it costs the consumer no more to include SW.

Duke goes on to give me Norman's address; I will write to him on order to get a copy of his proposal. As well, Duke gave me some background to a program he presents on RE -- HamNotes. This is a program about the people in ham radio rather than about the technicalities. I listened to the 11 Aug 85 broadcast. The signal was indeed excellent with only some moderate fading and some minor QRM from what sounded like a middle-eastern source. Congratulations to everybody at RE on the excellent programming -- even the ads (many of which are from the leading SWL equipment sources) are interesting.

From Bill Harrington (Trenton, New Jersey) comes an interesting suggestion for some reading material:

I refer to your hope for a textbook on international broadcasting in Prof. Plotnick's item, CONTACT, July '85 FRENEX. Are you acquainted with --

Donald R. Browne: International Radio Broadcasting/The Limits of the Limitless Medium, Praeger Publishers, New York, 1982. ISBN 0-03-059619-X, 369pp., \$34.95.

I think it meets most of your criteria, although it's too expensive. (I'm reading a library copy.) I'm not qualified to evaluate it fully, but is readable, scholarly and seemingly authoritative. (Browne [please notice that I misspelled his name in the citation above.--sgm] served with the USIA from 1960 to 1963, and was a VOA correspondent in Tunisia.) The material in this book, of course, covers only a part of the proposed course content.

At least at the time of the book's publication, Browne was Professor of Speech-Communication at the University of Minnesota. Perhaps, if someone approached him with the suggestion, he might be interested in preparing a popular version at a popular price. There is a modest public interest in R. Marti at present. And, as I write, the BBC strike, over the decision of the Board of Governors not the air the IRA stuff, is taking place.

The book sounds wonderful and I'm going to try to get a copy of it: thank you for the tip. I'm also glad that you made reference to the BBC strike. I had forgotten all about when one morning I stumbled into the kitchen to make coffee and listen to the BBC (both absolutely necessary items to start the day). Did I hear the 'World News'? Did I hear the 'British Press Review'? No, I heard music -- lots and lots of it. In my half-awake and addled state I wondered if I had gotten up too early and was listening to 'Concert Hall'. Worse, perhaps the BBC had decided on a radical and un-announced (how rude!) change of schedule. I forced myself to be calm, and finally I remembered the strike. At the same time I was both relieved and sobered (I speak figuratively): relieved that this was merely a temporary loss, but sob-

ered by contemplating what the SW world would be like without the BBC.

Amid the discussions centering on the popularization and (by implication, at least) the commercialization of SW radio there are some dissenting voices, and we've heard one of them already. Arguing from another direction, we have the following from Charles George (Dallas, Texas):

I am not so sure that publicizing SW is all that desirable. When growing up, FM was fun for me to listen to since it was creative. There were all forms of programming and it was better. There were stations with programs that would not be considered now. Stations now know that FM can be a commercial success and so programming that does not appear commercially acceptable is removed.

Also, when travelling across the nation, local stations reflected the image of the area. Stations would play artists sometimes heard only locally. However, with programming consultants (and other knowledgeable people) stations are sounding more alike, which for me is boring. New talent is also finding it harder to get on the air...

...No, I do not want SW programming lowered to the L.C.D. I fear that is what would happen. For example, the BBC now plays more pop and rock music than it used to.

I know what you're getting at. The history of the AM BCB in America is written largely in terms of the increasing awareness by business of the tremendous potential of radio for commercial gain, and this, in turn, has molded the shape of production and presentation. (The same can also be said of FM as well.) And this, likewise in turn, is precisely what has driven many of us gratefully to SWL. A better example than the BBC is perhaps afforded by Radio Australia-Overseas Service. The effort to render this station more 'popular' simply rendered less interesting: we exchanged a lot of fine programming for a kind SWL juke box. I have no real objection to popular music as such, but I have a very strong desire for quality and balance. An interesting point: what do you think?

Larry Vipond's criticism of WYFR's carrying of Voice of Free China programming and WYFR's use of transmitting facilities on Taiwan certainly did elicit some very spirited response. Restrictions of space do not permit me to print these letters in their entirety; this is unfortunate because they are well written and articulate. I will, therefore, offer you the highlights of these letters for your consideration. First off, the following from Stephen Druzak (Springfield, Virginia):

I read with interest Larry Vipond's comments on WYFR and Taiwan in this month's CONTACT. ...The 'violence' to which he refers was the killing of Henry Liu, of Daly City, CA, a critic of the KMT government, but also one of its intelligence agents. With an eye to the US Congress, the KMT has tried the former head of military intelligence, some aides, and members of the hit team. ...Some questions are still unanswered: Why, given US sensitivities and the adverse cost-benefit imbalance of assassinations by US friends, was it done? Did anyone higher in the KMT know what was happening? And most interestingly of all, what besides criticism was involved? Mr. Liu apparently was also an agent for Peking's intel network. See the Far Eastern Economic Review for coverage of the story.

...Although the Taiwanese handling of the situation makes the ethical question moot in this case, it does still exist. But in the real world it should be rephrased as "where do you draw the line?" Should the BBC not relay RCI because of baby seals? ...Should listeners or the people at Lifeline have boycotted Radio Free Grenada (and would the Bishop government have cared?) because of the "heavy manners" the New Jewel Party was fond of teaching to real and imagined opponents?

Because this issue deals with real-world politics, power and resources, there is no satisfactory answer. Ironically, and unfortunately, only minor offenders, governments with some form of conscience, US allies, and international wimps will be affected by letter writing and moral outrage. The real bad guys aren't going to change, will brazenly say you are being provocative and harming the prospects for peace if you do complain, and either own enough territory or have bearded friends who will give them needed access to transmitter sites so that

finding relays is of no concern.

Otherwise, I enjoy CONTACT and am glad to see people taking an interest in the more thoughtful aspects of the hobby. No one can accuse SWLing of being "mindless entertainment"...

A similar line of reasoning is pursued by Frank Denneke (Winnipeg, Manitoba):

...If we are going to ban or boycott certain countries because of human rights violations, let us not forget to include the Soviet Union, Cuba, Communist China, Iran, and various other dictatorships where executions, torture and oppression are the order of the day. One could add most African regimes and most of Eastern Europe to such a list, and should not overlook the following two cases: (1) The VOA did not close its relay base in Liberia, nor did it protest when that country's new ruler carried out mass executions of his opponents in 1980. And more recently Brazil has provided relay facilities to the Marxist dictator of Surinam, who seized power by executing all members of the previous government.

So why pick on Taiwan and WYFR? If we are going to voice our objections, as Larry Vipond has suggested, let's be fair and consistent by banning all offending countries and their broadcasts from our radio receivers. That should eliminate at least half the nations of the world -- and save us a fortune in postage for reception reports.

Well, that's about it this time around; as usual, there is a lot to think about. If you haven't written, please do take pen in hand and do so now. Has something in SWL piqued your curiosity, angered or amused you? Tell us about it. Need some information? Maybe our readers can help you to find it -- so write! My thanks to writers and readers all.

## \$\$ CONTACT NOTES \$\$

A word about editorial policy: While I should prefer to reproduce all letters in their entirety, restrictions of space just simply do not always permit this. If I have to do some cutting, this is always shown by the use of ellipses in the text. I retain on file all correspondence and will send you a copy of any letter in its original form that has appeared in CONTACT, provided that you send a SASE along with your request. If it is your wish that your letter, in whole or in part, should not appear in print then please make this clear to me.

Duke Alexander sent along an advertisement for a "Special DXers Stoneware Coffee Mug" made for RE. The multicolor emblem proclaims: "Worldwide friendship via shortwave listening, DXing, and Amateur Radio." Reverse side: "Communication is the key to understanding. People have been listening to distant (DX) stations since the early days of Radio. Communication promotes friendship. When Governments communicate, politics is a factor. Shortwave listening, DXing, and Amateur Radio can provide People-to-People contact." Exceedingly well put, that, and expressive of just the matters that lie at the center of this column. Further, the sale of these mugs helps to pay expenses at the Texas Bureau of RE, so this gives us all a chance to help out in this fine broadcasting adventure. They are \$6.00 POSTPAID (USA) (\$8.00 overseas) and are available only from: Collectibles by Marion, P.O. Box 60704, Houston, Texas 77205. This is a limited edition.

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# Easy Listening

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

## SUNDAY

2230-2240: "Trukish Works of Architecture" (Voice of Turkey). This program examines some of the more well-known works of Turkish architecture, mainly concentrating on the Ottoman period. Descriptions of the mosques and temples are rather sketchy, but the program provides a good, basic introduction to Turkish history and is a fine guideline for what sights to look for if you visit Turkey. (9.560; repeated at 0330 on 9,560).

0330-0400: "Anything Goes" (BBC). A delightful program of songs and comic recordings you probably won't hear anywhere else. All songs played are by request and the premise of the program is that if you request it (no matter how absurd) and they can find it somewhere, they'll play it. Some typical features have been Abbot and Costello's "Who's On First", a 1927 recording of "My Blue Heaven", "A Couple of Swells" (sung by Judy Garland and Fred Astaire), the earliest recorded version of "Waltzing Matilda", and Patti Page's "I've Been Left, Right Out of Your Heart". The announcer also re-reads birthday greetings, anniversary wishes, etc., from SWL'd in one country to another. (6.175/5.975/6.120/7.325).

## MONDAY

1140-1150v: "Across the Land" (Radio Beijing). Examines culture and industry in various Chinese provinces, usually more than one province per program. The attempt is to give a clear idea of the diversity of life in the People's Republic of China. (11.860; repeated at 1240v on 11.860/11.650 and at 0340v on 15.385/15.520).

0050-0110: "A Many Splendored Thing" (Vatican Radio). The program is devoted exclusively to those who have given their life in pursuit of their faith including both the early Christian martyrs in Rome as well as later martyrs for the Church. The scholarship on this program is excellent and programs may consist of discussions or readings from transcripts of trials and eyewitness accounts and sometimes the works or words of the martyrs themselves. (11.845).

## TUESDAY

0150-0155v: "Looking At the World" (Radio Havana). Basically this is a title which covers a variety of features tied together only by revolutionary zeal. Some programs deal with general issues such as the U.S. embargo of Nicaragua and how the people are coping with it, or a history of Radio Venceramos in El Salvador. Other programs are brief biographies of well-known revolutionaries such as Nelson Mandela of South Africa. (6.100/6.140/9.740/11.725; repeated at 0350 and 0550 on the same frequencies). T TH

0155-0205: "Images: Reflecting the Arts Today" (Radio Nederlands). A program devoted exclusively to the arts in whatever form they take. Some programs have included interviews with painters, dancers, actors, and musicians. Sometimes plays brief excerpts of composers works. The program seems to have a propensity for the avant-garde in art, and all those interviewed are either giving an exhibit or performance in the Netherlands at the time. (6.020/9.895; repeated at 0255 on 6.165/9.590-Bonaire, and at 0555 for the West coast on 6.165/9.715--Bonaire).

### WEDNESDAY

2245-2300: "The Soviet Way of Life" (Radio Moscow). The program consists of several features, all reflecting some aspect of Soviet life, some features in response to listeners' questions. Wedding customs in the Soviet Union, the role of Trade-Unions, how collective farms operate, etc., are all reported. The program also contains "Kaleidoscope", a five minute feature of brief items of Soviet news (such as the upcoming book fair in Moscow, restoration of architecture in rural areas, etc.) (9.600/9.765/et.al; this program is also broadcast every day but Saturday at 2110 on 11.840 and at 0410 on 9.765. On Wednesdays it is repeated at 0045 and 0245 on 9.600).

0155-0220: "The Wednesday Report" (Radio Nederlands). The program consists of features on current affairs items related exclusively to the Netherlands in some way or other. It also contains "Dutch Diary", a look at background stories in the Dutch press, and for the next couple of weeks "Fire from the Sky", a five part series about the Japanese occupation of Indonesia (then the Dutch East Indies). (6.020/9.895; repeated at 0255 on 6.165/9.590 and for the West Coast on 6.165/9.715 at 0555).

### THURSDAY

0130-0135 (approx): "Germany Today" (Deutsche Welle). A whimsical presentation of usually humorous or human interest stories currently in circulation in German newspapers. Even on the more serious stories, program host Larry Wayne is able to see the humorous side. The program can be quite amusing. (6.040/6.085/6.145/9.565/11.785; repeated for West Coast at 0530 on 5.960/6.130/9.545/9.690/11/705). M-F.

0135-0150: "Musical QSL" (Radio Havana). The announcer reads reception reports from listeners in various countries (3 per program), almost always giving the SINPO code for the listener and his name. After each report there is a selection of Cuban music, (the singer or group's name is given and the title in EG, but not song title in SP). (6.100/6.140/9.740/11.725; repeated at 0335 and 0535). T TH

### FRIDAY

0015-0030: "Friday Musical Date" (Spanish Foreign Radio). Each week the program features a different Spanish pop/rock group and plays selections (3 per program) from their best known albums, often current releases. Also gives some of the history of the singer or group and their current standing in the Spanish popular music scene. (9.630/11.880; repeated at 0115 on the same frequencies and for the West Coast at 0515 on 5.970/6.125/9.630).

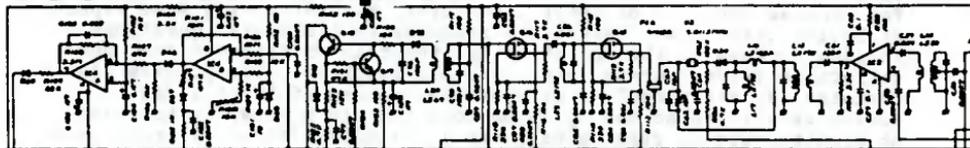
0220-0230: "Folklore of Brazil" (Radiobras). This program focuses on anything relating to folk culture in Brazil. Some programs may feature handicrafts (such as lacework and ceramics) in a particular Brazilian region, and other programs may give the story of popular Indian mythology in Brazil. (11.745).

### SATURDAY

0130-0150: "Auf Deutsch Gesacht" ("Said in German"). (Deutsche Welle). A language program that each week consists of a different scenario relating to the adventures of four travelers through Germany. First the scenario is broken up into parts and unfamiliar words and phrases are explained, then said in German. The last few minutes of the program consists of the entire scenario in German. There is a book that goes with the course (now Book Three, which is about half-way done, but there are plans to continue the program in some form or other after Book Three is completed). (6.040/6.085/6.145/9.545/9.565/11.785; repeated for West Coast at 0530 on 5.960/6.130/9.545/9.690/11.705).

0215-0230: "Swiss Shortwave Merry-Go-Round" (Swiss Radio International). This program answers technical questions about shortwave (propagation, antennas, receiver modifications, etc.) sent in by an international audience. The program is presented by two men named Bob and the address is: "The Two Bobs" SRI, Berne, Switzerland. (6.135/9.725/9.885/11.925/12.035; repeated for West Coast at 0415 on 6.135/9.725/12.035/15.305).

# Technical Topics



Editor: T.J. "Skip" Arey, WB2GHA, P.O. Box 45, Beverly, NJ 08010

## POCKET ROCKET MAN

ANARC CONVENTION 1983, Washington DC. Jon Cohen and your humble editor arrive on the scene. Two battle hardend veterans of our esteemed hobby.

After unpacking and getting a preliminary line on the evening's parties, we wandered into the Hall of Exhibits. There were Japan Radio NRDs from the 515 up to the commercial NRD-93 on display (Ho Hum). Bearcat had the first prototypes of their DX-1000 out for show (Yawn). Rumor had it that the SONY ICF-7600 aka 2002 would make an appearance (it did...Hats and Horns). All the vendors had the latest and greatest from Icom, Kenwood, and Yaesu. All the hottest rigs out in their Sunday finest (Boooooorrrriinnnggg)

I smugly surveyed the room, confident that my much modified R-390A could out DX the whole bunch on its worst day with its ballast tube tied behind its back. Nope, nothing of interest here.

Then I saw it...

On the corner of one of the vendor's tables. So small, so petite, so fully packed.

The Panasonic RF-9

I cradled its full presence in the palm of my hand. I let out the expletives reserved for such solemn occasions. "Wow...Pretty neat...Yo Jon...". And with that the RF-9 became the backup receiver to my R-390A. Strange bedfellows you may say. But harken to my impressions of this tiny shortwave receiver and perhaps you will see the method in my madness.

The Panasonic RF-9 and the Sony ICR-4800 were just the first of a group of "pocket rocket" SW rigs that began their popularity around the summer of 1983 and have continued to carve a small niche with a loyal following in the shortwave hobby. Presently there is only one new radio in the pocket rocket class, that being the SONY ICF-4910.

I think Terry Colgan was on to something when he observed that these small radios bring out the 007 in each of us.

Serious DXers and SWLs buy serious receivers to bring about serious loggings. But the pocket rockets are pure fun.

Lets face it. You wouldn't go jogging with an Icom R71A stuffed in your pocket. When was the last time you took your NRD to the beach? The pocket rockets let you bring the hobby to places you never thought of.

The most regular workout my RF-9 gets is tuning in BBC in the evenings whilst doing the dinner dishes.

I have had the opportunity to track test the Panasonic RF-9, the Sony ICR-4800 and the ICF-4910 and their performance reminded me of some of my early hobby receivers. A pocket sized Radio Shack DX-160 if you will.

Serious receivers shrunk to the size of the SONY 2002 and have stopped (for the time being). But, once again, the purpose of the pocket rocket radio is not to set the loggings records on fire. They exist to provide the shortwave hobbyist with the opportunity to enjoy a limited access to his or her hobby under circumstances where one might not want to take a larger receiver.

Did you ever go to one of those boring family reunions, wishing you could sneak off somewhere and listen to Deutsche Welle? Well Bunky, pick up a pocket rocket and you won't have to listen to Aunt Mazie tell you about her latest operation ever again.

One thing I feel the RF-9 has over the others in the crop is that the RF-9 has the standard FM band on it as well as its MW, 75m, 49m, 31m, 25m, 19m, 16m, 13m bands so if your relatives don't understand you can quick switch to FM and nobody will be the wiser. You will look hip instead of eccentric.

ICOM WARNING UPDATE\*\*\*ICOM WARNING UPDATE\*\*\*ICOM WARNING UPDATE\*\*\*

Our own Paul Brouillette tells us that the R-71A in fact uses the same type of RAM board with lithium battery as the other Icom receivers. That means that when the battery runs down in five to seven years you must return the board to Icom for reprogramming.

My phone call to Icom customer service claimed that Icom was more than willing to perform the reprogramming task into the future but my personal experience with manufacturers is that their memories run out a lot sooner than any lithium battery. Unfortunately at this point in time Icom holds all the cards and only time will tell.

My rather limited understanding of digital electronics assures me that any really enterprising person out there in radioland who has access to an EPROM burner could probably make a good piece of change resolving the Icom frequency board malady. If anyone give it a shot please let me know and you will get plenty of free advertizing right here. Thanks for the report Paul.

From Donna Robinson comes our first guest receiver review.

#### The Sony 2010

I was introduced to the hobby by my brother-in-law, who has a beautiful, (way out of my budget range) Icom R71. After eating my heart out for a few months, hubby (Bob) and I decided to talk to our friendly radio dealer. His recommendation was the ICF 2010. It arrived home on the fifth of June, and has been working daily ever since. That makes it a little over a month old as I write this, and I have over seventy entries in our log book. They are not all "bread and butter" listings either, so I'm proud of the radio, and me!

We are using an eavesdropper trapped dipole antenna with the radio, (42 ft. 10 in.) and it runs in a north to south direction...more or less. Reception seems fine, in fact, my brother-in-law is amazed at the things I am receiving. A few drawbacks that I would have to mention are: The users manual is very sketchy, and for a beginner like myself, I would have wanted more concise directions on the operation of the different features. Another point is the very audible "thoop-ing" noise that the receiver makes between stations when manually tuning. I am uncertain about the new synchronous detection feature. It does reduce fading and some types of interference, but it also seems to lower audio considerably. The radio has an automatic scan tuning feature which will pick up and pause momentarily at a station. This is fine, but it misses a lot of stations which can be heard when you use the manual tuning method.

On a scale of one to ten, I would have to give the Sony ICF 2010 a rating of eight. I feel it does a good job, and has many points found in more expensive receivers at an affordable price. I would highly recommend it, especially for anyone who is just beginning in the hobby. Operation is fairly simple and reception results are better than I expected. The radio is compact, and could be taken on trips easily.

FREQUENCY RANGE: AM: 150-29.999.9 khz; FM: 76-108 Mhz; Air: 116-136 Mhz LW,MW: Ferrite Bar Antenna. FM,Air, SW: Telescopic Antenna. 4" speaker SIZE- 6 1/2" high, 11 3/8" wide x 2 1/16" deep. Switchable bandwidth (Wide & Narrow), Synchronous detection, Dual PLL quartz Frequency Synthesis. 32 Station Memory Presets. Scan tuning.

Thanks Donna. Between your review and my brief encounter with Dan Robinson's 2010 have fully convinced your humble editor to bite the bullit and call my radio dealer. And as we hear the strains of my wife saying "What another radio?" We depart till one month down the log.

73.

*Ship*

# NASWA Awards Program:

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

Welcome to a new montly feature of FRENDX. Our thanks to Publisher Bill Oliver for giving us this opportunity to bring you news and views regarding the NASWA Awards Program. For starters, here are the Awards issued during the month of July 1985:

John Wilkins of Wheat Ridge, CO got several awards: South American DXPert; Senior Ecclesiastic DXer; North American Continental DXPert; Master Pacifica DXer; Senior Indonesian DXer and Emissora Nacional DXer.

Pat Wood of Syracuse, NY and Gayle Van Horn of Orange Park, FL each received the All Voice of America DXer award.

## \*\*\*\*REQUIREMENTS CHANGE\*\*\*\*

We periodically review Awards requirements to ascertain that each and every NASWA Award is possible to obtain. We have found that the ORTF DXer Award, which requires 7 stations in each of 7 broadcast countries controlled by the ORTF is no longer possible to obtain, due to the cessation of SWBC operations in Martinique and Re-Union, which leaves only 6 possibilities. So, effective immediately, the requirement has been adjusted to require only 6 countries. Martinique and Re-Union remain eligible, the other 6 countries are French Guyana, France, Djibouti, Comoros, Tahiti and New Caledonia. It's still a difficult Award to obtain, but at least now you've got a shot at it.

One of the problems we often find when reviewing Awards applications is proper country listing, especially when relay stations are involved. Radio Nederland via Bonaire counts as Netherlands Antilles, not Holland; the Voice of Free China relay via WYFR counts as U.S.A., not Taiwan. Conversely, WYFR via Voice of Free China counts as Taiwan, not U.S.A.

Pirate and Clandestine QSLs count for all Awards, however there are no seperate Awards planned for these at this time.

A most valuable reference book for all serious Award and QSL chasers has just been updated. Gerry Dexter's WORLD BROADCAST STATION ADDRESS BOOK, Fifth Edition, is now available. Over 100 pages off addresses, station QSL policies and Verification signers. Price is \$8.95 plus \$1.50 postage and handling from Gilfer Shortwave, 52 Park Avenue, Park Ridge, NJ 07656. Overseas readers should contact Gilfer for proper postage charges. It was our great pleasure to meet both Gerry Dexter and Jeanne Ferrel of Gilfer at the recent ANARC Convention.

In closing, a "tip of Kap's Cap" to Mike Knitter and the entire crew for doing a great job organizing and running the recent ANARC Convention in Milwaukee. A lot of folks had a great time thanks to their efforts.

Until next month,

*Best,  
Kap 8/18/85*

# LATIN AMERICAN QSLing MADE EASY (?)

by

Jerry Berg

In late 1981, I finally undertook a project that I had been thinking about for a long time, namely, a concerted effort to verify more Spanish-speaking Latin American (LA) short-wave stations. Sound familiar? It's a feeling we all get from time to time. The common experience in verifying LA stations is typified by long waits, seemingly endless follow ups and disappointing reply rates. That was certainly what I had found during my occasional brief forays into the world of LA QSLing during my 25 years in the SWBC hobby. As a result, my motivation in seeking LA QSLs had always been low, and this was reflected in my QSL totals. When the project began my Latin veries totalled a relatively modest 56 (excluding Brazilians), and many of those were Central Americans, Colombians and Venezuelans. As far as Andean stations are concerned, I had two Peruvians verified, three Ecuadorians (and you know who one of those was) and one Bolivian.

My goals in this project were basically two: to expand my collection of Latin QSLs, and to learn more about Latin QSLing in the process. Over the years I had assembled a good collection of QSLs from other parts of the world, and I had reached the point where new QSL targets in Europe, Asia, Africa and the Pacific were limited. Latin America offered a whole new world of QSL targets to work on.

I had one other goal when I began. The notion that reports to LA stations have to take the form of comprehensive, individually prepared Spanish-language letters has always been an article of faith among DXers. I agree that reports to LAs have to be in Spanish, and I knew that my high school Spanish would see me through on that score, if somewhat imperfectly. I also knew that I would never have the time or the patience to type all those Spanish letters the way I thought a good Spanish-language letter report ought to be prepared, and so I decided to experiment with a new reporting technique, a Spanish-language reporting card.

I wanted to minimize the typing that would be necessary but I did not want to resort to an impersonal "fill in the blank" letter or card. So I designed a card that is a compromise. It is shown below. It contains my name and address and space for the station name, the date and time of reception (in both GMT and the station's local time), frequency, and receiver and antenna information. It also contains a SINPO grid that allows me to just circle the applicable elements of signal quality. The rest of the card, front and back, is blank, and on it I can type a "short form" of report containing some opening greetings, a request for a QSL, the program details heard and some closing remarks.

				
INFORME DE RECEPCIÓN A LA EMISORA:				
DESDE SU RADIOYENTE. JERRY BERG, 38 EASTERN AVENUE, LEXINGTON, MASSACHUSETTS 02173, ESTADOS UNIDOS				
FECHA Y HORAS LOCAL				
FECHA Y HORAS DE GREENWICH (GMT):				
FRECUENCIA:				
RECEPTOR:				
ANTENA:				
POTENCIA DE LA SEÑAL	SÍMBOLO PERCEBIDA	PAIS	DESARROLLO (FADING)	CALIDAD ENTERO
Extrema	Wingate	Inglaterra	Regular	Extrema
Buena	Ligera	Ligera	Ligera	Buena
Mediana	Mediocre	Normal	Mediocre	Mediana
Debil	Fuerte	Normal	Normal	Debil
Insuficiente	Extrema	Extrema	Muy débil	Insuficiente

  
\_\_\_\_\_

While some might find this format too perfunctory, it enabled me to test a theory of mine. Basically I felt that with the limited staff, time, funds and other resources that many LA stations are able to devote to replying to foreign mail from DXers who are not part of the station's local target audience, many stations might actually welcome brevity in DX reports. The card report might not lead to warm, long term contacts, and would not be intended to convince the station of my deep personal interest in their operation or their culture, but it might be enough to extract a QSL and it might even ease the station's mail-handling burden. So I had the cards printed up, along with a large supply of "prepared cards," i.e. blank verifications that DXers often send to stations that might not have QSLs of their own.

Contents of the card report. The heart of the report is the reporting card, filled in as explained above. The card measures 4" x 8 $\frac{1}{2}$ ". The station name and location are typed in under INFORME DE RECEPCION A LA EMISORA. The FECHA Y HORAS LOCAL line is completed by typewriter so it reads, for example, "FECHA Y HORAS LOCALES DE COLOMBIA: 24 de Octubre de 1984, 0445-0530." GMT date and time are entered after FECHA Y HORAS DE GREENWICH (GMT), followed by the frequency and a brief description of my receiver and antenna. I then circle the applicable items in the Spanish SINPO grid. The rest of the report is typed in the blank space, which is the right side of the front of the card, and the entire back. I use a 12-pitch typewriter to make the most of the available space.

The report itself is simple and to the point and usually follows a standard text that I have developed. I begin by telling the station that I heard them and that I would welcome their verification even though I am not in their local target area. Then I give the program details, which take up most of the back of the card. I follow that with a few sentences about my interest in Latin America and shortwave, my hope that I will be able to listen again, etc. In working with this format I was pleasantly surprised to find that there is enough space on the card for considerable program details, provided that the description is concise. Generally I can cover 30-45 minutes of programming pretty easily. I try to get song titles or part of an ID text, although often this is not possible. Over time I have developed the facility to describe things pretty completely in Spanish with relatively few words. Although my Spanish is just so-so, it is good enough so that I can compose the description of program details in Spanish, and condense my description, as I am listening. Thus, when I type the card I can just copy the notes that I have made while listening.

When I first started this project my reports consisted of just the card plus a packet of mint stamps. Over time, however, I have added various things to the report package, and now it usually consists of the card, a SASE, a prepared card, a postcard with a handwritten greeting, a copy of an article of mine on LA DXing which appeared in the 1983 WRTH, a rather long, Spanish letter about myself and the hobby (printed in quantity, not typed separately), and a copy of the National Radio Club Spanish-language brochure on the DX hobby. (The brochure is intended for MW station personnel, but it gets the general hobby message across rather nicely.) Sometimes I also enclose other things that I have around, such as a shack photo, a local BCB station sticker, a Lexington souvenir, etc. Occasionally I will also include a cassette recording of my reception, but this is the exception rather than the rule.

So the package has evolved into a rather large collection of envelope stuffers, but the heart of it is still the card report. Generally I can type the card in about 20 minutes, so it takes a total of about a half hour to get a complete report together and ready for mailing.

Follow ups. Prior to mailing I make copies of the report for future follow ups (of which there are many). One is kept as a "master" for future copying, should more follow ups be necessary.

Follow ups are sent approximately every three or four months after the initial report. The first follow up consists of a copy of the original report, a short handwritten note explaining what I'm after, and another prepared card. Subsequent follow ups contain a copy of the original report, a prepared card and a small follow up card that I have had printed up. Its text is similar to the handwritten note I use for the first follow up, but it only requires that I type in the greeting, the station name and the number of previous reports, and add my signature. This facilitates preparing large numbers of follow ups at one time. Generally I enclose a SASE with every third or fourth follow up. Sometimes other items are enclosed as well, but usually not. A prepared card is always enclosed. The prepared card is usually left completely blank for the original report and the first few follow ups, my feeling being that a card with the QSL details (date, time and frequency) filled in by the station itself, even if filled in incorrectly (often the case), is better than a card filled in by me and only signed and stamped by the station. After the first few follow ups, however, I enter the details on the card before I send it.

All follow ups are copies of the original report, not new loggings.

The results. (1) Reports sent. From September 1981 through August 1985 I sent a total of 196 original reports utilizing the card method. Of those, 14 were non-SWBC stations (mostly clandestines) whose QSL policies cannot generally be compared with regular SWBC stations.<sup>1/</sup> Another 10 stations were verified via the personal intervention of third parties who visited the stations. Thus, a total of 172 stations comprise the "sample" of SWBC stations that might have verified my card reports in the ordinary course.

Table 1--Total Reports Sent

Total card reports sent	196
Non-SWBC stations	14
Third-party QSLs	10
Total "non-countable" QSLs	24
Total card reports in sample	172

(2) Overall verification rate. Of the 172-station sample, 134 stations--78% of the total--have verified thus far, and 38 stations--22% of the total--have not yet verified. Thus, roughly three out of four stations have verified to date using the card method.

Table 2--Overall Verification Results to Date

SWBC card reports QSLed	134	78%
SWBC card reports not QSLed	38	22%
	172	100%

(3) Results by country. Results by country varied greatly. Below are the details. In some countries only one or a few reports were sent, and so the results in those cases should not necessarily be extrapolated into broad conclusions.

Table 3--Results by Country

	Total Rpts. Sent	No. QSLed	Percent QSLed	No. Not QSLed	Percent Not QSLed
Chile	2	2	100%	0	0%
Costa Rica	5	5	100%	0	0%
Dom. Rep.	1	1	100%	0	0%
El Salvador	1	1	100%	0	0%
Guatemala	5	5	100%	0	0%
Honduras	4	4	100%	0	0%
Nicaragua	3	3	100%	0	0%
Paraguay	1	1	100%	0	0%
Uruguay	1	1	100%	0	0%
Ecuador	23	22	96%	1	4%
Argentina	8	7	88%	1	12%
Mexico	6	5	83%	1	17%
Colombia	26	21	81%	5	19%
Venezuela	22	17	77%	5	23%
Peru	50	32	64%	18	36%
Bolivia	13	7	54%	6	46%
Cuba	1	0	0%	1	100%
	172	134	78%	38	22%

Among those countries to which more than 10 reports were sent, the "rankings" by percentage of reports verified are as follows:

Ecuador	96%
Colombia	81%
Venezuela	77%
Peru	64%
Bolivia	54%

This comports with what would probably be most DXers' intuition: Ecuador is a good verifier, Colombia and Venezuela are not quite as good, Peru is relatively difficult, and

<sup>1</sup>Of these 14, all but two verified using the card method.

your chances with Bolivia, even over the long haul, are about 50-50. Though relatively few reports were sent to Central America, the Central Americans were very good verifiers.

(4) Taped vs. written reports. Of the 172 reports, a tape was sent with the card report in 21 cases. Of those 21, 14—or 66%—verified, while 120 of the 151 card-only reports—79%—were verified. Not much can be concluded from this, except perhaps that, overall, taped reports don't seem to help much, and may even hurt a little. A truer evaluation would require a comparison of the returns on taped reports versus written reports to the same station, and such a comparison was, of course, impossible in this survey.

Table 4—Taped Reports vs. Card-only Reports

	<u>No.</u> <u>Sent</u>	<u>No.</u> <u>QSLed</u>	<u>Percent</u> <u>QSLed</u>
Card-only reports	151	120	79%
Card-plus-tape reports	21	14	66%
	172	134	

(5) Number of reports necessary. One of the more interesting pieces of data pertains to the average number of reports sent to the various stations in each country prior to receiving a verification. The table below shows the average number of reports (originals plus follow ups) that were sent to the stations in each country that did eventually verify.

Table 5—Average Reports Necessary, By Country

	<u>Avg. No. of</u> <u>Reports Sent</u>	<u>Stations</u> <u>QSLed</u>
Chile	1.0	2
Paraguay	1.0	1
Uruguay	1.0	1
Guatemala	1.2	5
Bolivia	2.0	7
Dom. Rep.	2.0	1
El Salvador	2.0	1
Peru	2.4	32
Argentina	2.6	7
Ecuador	2.7	22
Colombia	3.1	21
Mexico	3.2	5
Nicaragua	3.3	3
Costa Rica	3.4	5
Venezuela	3.5	17
Honduras	3.8	4
	2.7	134

Of those countries where 10 or more stations QSLed, Peru required somewhat fewer reports (2.4) than the average of 2.7, Ecuador was right at the 2.7 average, and Colombia and Venezuela required more reports than average, 3.1 and 3.5 respectively. Keep in mind that every station requires at least one report, the original, in order to verify. Thus, the 2.7 average reflects the original report plus 1.7 follow ups.

Applying the rule of thumb that follow ups were sent at roughly three to four month intervals, the "average" QSL took about six months to receive.

(6) The verifieds vs. the unverifieds. One question that suggests itself is whether those stations that have not verified are, as a group, "harder" to verify than those that did verify, using some objective standard. Obviously they were harder for me, but were they, generally speaking, the toughies, and were those that verified the easy ones?

To get at this, I compared the "gradings" for each station in Gerry Dexter's QSL Address Book (4th ed., 1984). The gradings are described as a shorthand "guideline of what to expect when reporting," although, as Gerry points out, an individual will find that he or she may do better, as well or worse than the listed grading. This is the only source I know that offers a rating on the QSLability of individual stations.

The results of this comparison showed that the non-verifiers are a harder group to verify, according to the gradings, but not as much harder as I thought. Of the 134 SWBC stations that I verified, 121 were listed in the QSL Address Book, and their average grading was a C+/B-. Of the 38 SWBC stations that have not verified, 30 were listed and their

average grade was an only slightly lower C/C+.

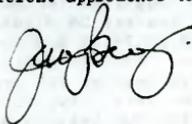
**Conclusion.** The information developed in the course of this effort is interesting and instructive, but it basically confirms what LA DXers already know, namely, that to verify Latin American stations you have to dig in for the long haul. Perseverance remains the most important element in verifying the Latins.

I think it is significant, though, that the card system, coupled with a policy of regular follow ups, produced good results. It suggests that long, extensively detailed, highly personalized reports may not really be necessary, except insofar as they serve to satisfy the reporter himself that he has made a maximum effort to give the station everything and thus has done all he can to obtain a QSL. Perhaps such prodigious effort is not really necessary.

Of course, it is important also to consider those stations that did not verify. It would be nice to be able to ask them why they did not reply, even after repeated follow ups. Among the holdouts are some perennial non-verifiers. Some of these have verified for some DXers at various times in the past, however, and so one cannot completely dismiss the notion that a different kind of report might have brought a reply where the card report did not (although all DXers seem to have their "frustration lists" of Latins that have verified for others but not for them). On the other hand, the card reports also brought some replies from stations that are traditionally tough verifiers. And then there is the theory, perhaps more valid than we would like to think, that it's whose desk a report lands on, and not the content or form of the report, that determines whether or not you will receive a QSL. Probably the only fair conclusion is that one can't draw many conclusions in this area.

With many Latin veries now behind me, and with a more limited number of targets ahead and thus the prospect of being able to spend more time on each report, it would be possible for me now to switch to a more extensive, more traditional letter format. I am going to stick with the cards, however. I am used to them, they seem to work reasonably well and they may even serve to distinguish my report from other, more routine "form letter" reports. This may be the card's most important feature. It would probably be possible to write a short Spanish letter without too much more effort than goes into the card, but I think the card is more distinctive than a letter and perhaps more likely to attract the station's attention.

I have also prepared some Portuguese-language cards so that I can try the same technique on Brazilians, but I have only sent out a few such reports and the results so far have not been encouraging. Whether I will pursue the Brazilians as actively as I have the other Latins, and what the results would be with a concerted effort, remains to be seen. For now I am satisfied that my efforts with the Spanish-speaking stations have produced some good results and may encourage others to experiment with different approaches to verifying Latin American stations.



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Greetings;

There is a new short wave club in the Pacific Northwest. We are very new and need support in the area of loggings. Our goal is to provide a newsletter which focuses on what can be heard in the "signal starved" Pacific Northwest.

If you are interested, please send a SASE for details in care of: Gary Stone; E. 603 Empire; Spokane, WA 99207.

Also, we would appreciate any loggings from DX'ers in the Northwest. Our newsletter will list both shortwave and utility stations. Please make the loggings simple (station, frequency, UTC, quality, and language).

Thanks,



# Computer Corner

Editor: Bill Cole / 107 Charles Street / N. Cape May, NJ 08204

## MINIMUF 3.5

This month we finish our two part series on short term propagation prediction with Minimuf 3.5, the grandfather of MUF prediction programs. This program was developed by the Navy Ocean Systems Lab in San Diego Calif. and was introduced in the December 1982 QST Magazine. It is the basis for numerous public domain and commercial MUF prediction programs. Minimuf 3.5 has the distinction of being backed up by literally thousands of observations and has an accuracy of about +/- 3.5 MHz. 3.5 MHz may seem like a large error margin, however, Minimuf's predictions are surprisingly similar to the optimum frequency predictions made by the German and Swedish telecommunications industry's large mainframe computers. (This information courtesy of Kjell Strom)

Type in the program and save it to tape or disk. As written the program is formatted for the Commodore 64. With a little reformatting it will run on a VIC-20 with at least 3K of expansion. I have seen TRS-80 versions of this program. The translation from C-64 to TRS-80 is not difficult.

Run the program. You are asked to input the name of your location, your latitude & longitude, the name of the DX location and its latitude & longitude. Finally the day & month and sunspot number is entered. You can use last month's program to compute the sunspot number from the solar flux number heard on WWV. With a little programming, last month's program can be appended to Minimuf thus allowing the input of the flux number and direct computation of sunspot number by Minimuf.

Some explanation of entries is needed. To denote south latitude and east longitude, it is necessary to use a minus [-] before the number entered. Also, degrees and minutes are entered as a decimal. The program calculates degrees and minutes from this decimal entry. For example the latitude and longitude for North Cape May is 39 degrees 0 minutes north latitude, 74 degrees 56 minutes west longitude. This would be entered at the prompt 39.00,74.56 and the return key pressed. Day and month require a similar entry. 27 July would be entered 27,07 and the return key pressed.

If you've entered the program correctly, you will get a display screen that gives the date, your location, the dx location, sunspot number and then prints the MUF beginning at hour 0 GMT through hour 23 GMT. It is not difficult to add a routine to send this data to a printer so that permanent copy will be available.

```
10 DIMM(12):DEFFNAC(X)=1.5708-ATN(X/SQR(1-X*X))
15 P0=e/2:P1=e*2:R0=e/100:R1=100/e:DATA 31,20,31,30,31,30,31,31,30,31,30,31
20 FOR I=1 TO 12:READ(M):NEXT I:M$="JANFEBMARAPRMYJUNJULAUAGSEPOCTNOVDEC"
25 PRINT "M":PRINTTAB(14)"MINIMUF 3.5":PRINT
30 PRINT "SOUTH LATITUDE AND EAST LONGITUDE MUST"
35 PRINT "BE ENTERED AS NEGATIVE NUMBERS!":PRINT
40 PRINT "YOUR LOCATION, UP TO 20 CHARACTERS":INPUTYL$:IFLEN(YL$)>20THEN#0
45 PRINT:INPUT"YOUR RECEIVER LAT, LONG":L2,W2:IFABS(L2)>90ORABS(W2)>360THEN#5
50 GOSUB385
55 PRINT:PRINT"DX LOCATION UP, TO 20 CHARACTERS":INPUTQ$:IFLEN(Q$)>20THEN#5
60 PRINT:INPUT"DX TRANSMITTER LAT, LONG":L1,W1:IFABS(L1)>90ORABS(W1)>360THEN#0
65 GOSUB415
70 PRINT:INPUT"DATE (DD,MM)":DE,MO:IFMO<10RMO<12THEN#0
75 IFD<10RD6*(M)THEN#0
80 A$=MID$(M$,3,M0-2,3):PRINT:INPUT"SUNSPOT NUMBER":S9:IFSS<0THEN#0
85 PRINT "M":PRINT"DATE "D6" *A$:PRINT:PRINTTAB(22)"LAT"TAB(32)"LONG"
90 PRINTQ$TAB(22)L5TAB(32)L6:PRINTYL$TAB(22)L7TAB(32)L8
95 PRINT:PRINT"SUNSPOT NUMBER *S9:L1=L1*R0:W1=W1*R0:L2=L2*R0:W2=W2*R0
100 PRINT:PRINTTAB(2)"HOUR"TAB(8)"MUF(KHZ)"TAB(20)"HOUR"TAB(26)"MUF(KHZ)"
105 FORT5=0T023:GOSUB125:J9=INT(J9*1000+.5):PRINTTAB(2)T5TAB(7)J9:
110 T5=T5+1:GOSUB125:J9=INT(J9*1000+.5):PRINTTAB(20)T5TAB(25)J9:NEXTT5
115 PRINT:INPUT "ANOTHER CALCULATION Y/N":A$:IFA$="Y"THEN#5
```

```

120 END
125 K7=6IN(L1)*6IN(L2)+COS(L1)*COS(L2)+COS(L2-W1):IFK7=-1THEN135
130 K7=-1:GOTO145
135 IFK7<=1THEN145
140 K7=1
145 G1=FNAC(K7):K6=1.59*G1:IFK6=1THEN155
150 K6=1
155 K5=1/K6:J9=100
160 FORK1=1/(2*K6)TO1-1/(2*K6)STEP.0099-1/K6:IFK5=1THEN170
165 K5=.5
170 P=6IN(L2):Q=COS(L2):A=(6IN(L1)-P)*COS(G1)/(Q*6IN(G1)):B=G1*K1
175 C=P*COS(B)+Q*6IN(B):A+D=(COS(B)-C*P)/(Q*SQR(1-C*2)):IFD=>-1THEN185
180 D=-1:GOTO195
185 IFD<=1THEN195
190 D=1
195 D=FNAC(D):WB=W2+SGN(6IN(W1-W2))*D:IFWB=>0THEN205
200 WB=WB+P1
205 IFWB<P1THEN215
210 WB=WB-P1
215 IFC=>-1THEN225
220 C=-1:GOTO235
225 IFC<=1THEN235
230 C=1
235 L0=P0-FNAC(C):Y1=.0172*(10+(M0-1)*30.4+D6):Y2=.409*COS(Y1)
240 K8=3.02*WB+12+.13*(6IN(Y1)+1.2*6IN(2*Y1))
245 K8=K8-12*(1+6IN(K8-24))*SGN(ABS(K8-24)):IF COS(L0+Y2)>-.26THEN265
250 K9=0:G0=0:M9=2.5*G1*K5:IFM9<=P0THEN260
255 M9=P0
260 M9=6IN(M9):M9=1+2.5*M9*SQR(M9):GOTO345
265 K8<-.26*6IN(Y2)*6IN(L0)/(COS(Y2)*COS(L0))+.001)
270 K9=12-ATN(K9/SQR(ABS(1-K9*K9)))*7.639437
275 T=K8-K9/2+12*(1-6IN(K8-K9/2))*SGN(ABS(K8-K9/2))
280 T4=K8+K9/2-12*(1+6IN(K8+K9/2-24))*SGN(ABS(K8+K9/2-24))
285 C0=ABS(COS(L0+Y2)):T9=9.7*C0*9.6:IFT9>.1THEN295
290 T9=.1
295 M9=2.5*G1*K5:IFM9<=P0THEN305
300 M9=P0
305 M9=6IN(M9):M9=1+2.5*M9*SQR(M9):IFT4<TTHEN320
310 IF(T3-T)*(T4-T5)>0THEN325
315 GOTO360
320 IF(T3-T4)*(T-T5)>0THEN360
325 T6=T3+12*(1+6IN(T-T3))*SGN(ABS(T-T3)):G9=*(T6-T)/K9
330 G0=*(T9/K9)*U=(T-T6)/T9:G0=C0*(6IN(G9)+G0*(EXP(U)-COS(G9)))/(1+G0*G0)
335 G7=C0*(G0*(EXP(-K9/T9)+1))*EXP((K9-24)/2)/(1+G0*G0):IFG0>G7THEN345
340 G0=G7
345 G2=(1+S9/250)*M9*SQR(6+58*SQR(G0))
350 G2=G2*(1-.1*EXP((K9-24)/3)):G2=G2*(1+(1-6IN(L1)*6IN(L2))*.)1)
355 G2=G2*(1-.1*(1+6IN(ABS(6IN(L0))-COS(L0))):GOTO370
360 T6=T3+12*(1+6IN(T4-T3))*SGN(ABS(T4-T3)):G0=*(T9/K9)*U=(T4-T6)/2:U1=-K9/T9
365 G0=C0*(G0*(EXP(U1)+1))*EXP(U)/(1+G0*G0):GOTO345
370 IFG2>J9THEN380
375 J9=G2
380 NEXTK1:RETURN
385 L7=L2+L8-W2:LR=ABS(L2):WR=ABS(W2)
390 LR(2)=INT(LR):LR(3)=(LR-LR(2))*100:LR(4)=LR(3)*.016666:LR=LR(2)+LR(4)
395 WR(2)=INT(WR):WR(3)=(WR-WR(2))*100:WR(4)=WR(3)*.016666:WR=WR(2)+WR(4)
400 IFL7<0THENLR=LR-(LR+LR)
405 IFL8<0THENWR=WR-(WR+WR)
410 L2=LR+W2:WR=WR:RETURN
415 L5=L1+L6-W1:LT=ABS(L1):WT=ABS(W1)
420 LT(2)=INT(LT):LT(3)=(LT-LT(2))*100:LT(4)=LT(3)*.016666:LT=LT(2)+LT(4)
425 WT(2)=INT(WT):WT(3)=(WT-WT(2))*100:WT(4)=WT(3)*.016666:WT=WT(2)+WT(4)
430 IFL5<0THENLT=LT-(LT+LT)
435 IFL6<0THENWT=WT-(WT+WT)
440 L1=LT+W1:WT=WT:RETURN

```

REMARKS

'POP', COSTELLO whose T19/4A program appeared in the June CC writes to say that he got a cassette and request for his program but that the name and return address were obliterated in the mail. If you sent 'Pop', a cassette and haven't heard from him, please print your name and address on a 3x5 card and send it to him at 7217 N.E. 175th Apt. 205, Bothell, WA 98011.

ANARC0N 85 is now history and I would like to add my comments to those already aired.

Firstly, I would like to thank Mike Kitter of the NRC and his group for their hard work in organizing and running the convention. Mike's people were on the job from the early morning until the late evening hours trying to keep everything running smoothly.

This was my first ANARC0N and I have to say that I thoroughly enjoyed myself. The accommodations at the Red Carpet Hotel were top notch and the staff polite, courteous and helpful. In fact, I found Milwaukee residents very pleased to be able to show off their city to visitors. Milwaukee is a city of parks and activities for the family. My daughters want to move there.

Friday Bill Krause and I were running our computer display with the exhibitors, so I didn't get to attend all of the seminars that I would have liked to. Those I attended were well presented. I also had the opportunity to meet several NMSM members from whom I've had correspondence here at the Computer Corner. The parody, "This is your life Ian McFarland", during the evening social was Friday's highlight.

On Saturday morning I had the pleasure of being interviewed by George Wood of Radio Sweden International and am looking forward to hearing it on Sweden Calling DXers. In addition to Saturday's exhibits and seminars, there was an afternoon bus tour of Milwaukee which many conventioners took. The high point of the convention for me occurred Saturday evening when I had the opportunity to meet Clayton Howard, recently retired from HCJB's DX Partyline. I fondly remember listening to Clayton on a Heathkit AR-3, my first shortwave receiver. Clayton delivered the after dinner speech at the banquet and covered the high points of his many years with HCJB. After the banquet the ANARC & HRP auctions were held. The big item being an ICOM BR-71A which went for \$600. My wallet went flat after a bid of \$550. At the conclusion of the auction there was a live broadcast by Radio Earth International from the convention floor.

Early Sunday Morning, Bill Krause and I got our turn. I was pleasantly surprised by the large number of people who attended our 8:00 AM seminar. Bill covered computer applications in radio and I covered the history of programming for radio. After our seminar, I took my family for a delightful day at the Milwaukee County Zoo.

There are those who have been critical of ANARC0N 85 and its emphasis on radio as a 'hobby' and clubs for promotion of shortwave. The question has been asked, "People watch television, and they do it quite nicely without any television clubs. Why can't they listen to shortwave without a club?" Of course I can listen to and enjoy shortwave without a club and I like my television watching. But if you think that I would spend \$1200 to fly the family to Milwaukee for 4 days on the basis of a casual entertainment medium, you had better think again!



# Listeners Notebook

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## PROPER CREDIT

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AFGHANISTAN R Afgh, 11880, USSR relay, 1858 ID & EG pgm to 1928\* 8/7, but from 1920 u/REE; // 9665 QRM (Ernie Behr, Kenora Ont) R Afgh relays via Soviet xmtrs -- 09-1030 EG 15255 17900; 17-1730 AR 11755 15530; 1730-1930 9665 & 11880 in Pashto, Dari, GM, EG; generally from sites in western USSR (Nagoya DXers Circle via R Australian Japanese DX Time 4/8)

ALGERIA Algiers on 9640 20/7 from 2004 t/in to 2024 t/out in EG; ID 2010 after nx, into rock mx from Queen, SIO 242, static (Richard A D'Angelo, Wyomissing PA) R Algiers on 9685 all day in FR // 9535 & 9509 days only; EG 2000 on 9685 & ancd // s 254 981 9640 17745 all hrd but not on also ancd 9510 15160; pgm has been exchanged on 15160 which is AR, 11715 FR arnd 06-18+, QRM (No#1 R Green, UKOGBANI, RCI SWL Digest 3/8) ES on 17745 20-2030 3/8 (Kevin K Trummel, GFR)

ANGOLA [Cf Aug LN] Stn on 4820 // 3994 is identified by Roland Schulze as Huambo (Finn Krone, AWR, via Aug WDXC Contact) Audible here late eves but haven't got definite ID (Mike Barraclough, UKOGBANI, WDXC ed.) R Nac Luanda hrd on 9535 at 2011-2100 in EG w/oldies pop mx 5/8 (Kevin K Trummel, GFR) New time for EG

ANTARCTICA R Arcángel San Gabriel hrd in Eu for first time in several years [can you be certain?] on 6029.2 from abt 2330 till closing w/full ID 0033; before the closing a religious pgm by priest; most pgming w/usual young lady. Slight het from R Santa María, Chile on 6029.4 (Juan Carlos Codina, Bern, Switzerland, 13/8)

ANTIGUA DW continues exploring various 49mb outlets for GM \*96-08\* to Au; used 6085 early in Aug, then moved to 6160 arnd 11/8; excellent here on 6160; 6085 was QRMd by local R Australia 6080; xmtr is ex-11785 (Bob Padula, Vic, 18/8)

ARGENTINA RAE adopted new sked 1/8; GM has been dropped. EG 12-13, 18-19 & 21-22 on 15345; 01-02 on 9690 & 11710. Sat & Sun at 21-22 also on 9690 6060. SP 12-14 11710, 22-24 on 6060 9690 11710, 03-05 9690 11710; Sat & Sun 19-21 on 6060 9690. JP 10-11 9690, 11-12 15345. FR 19-20 & IT 20-21 on 15345. PT 00-01 6060 9690 11710, 02-03 9690 11710. AR Thu & Fri only 17-18 15345. Targets: 10-12 FE, 12-14 Am, 18-22 Eu/Af/ME, 22-03 Eu/Af/Am, 03-05 Eu/Af/ME, 17-18 Af/ME and Sat/Sun 19-21 Am.

LRA R Nacional Bs As in SP // 870 MW: 6060 Tue-Fri 01-11, Sun 01-15. 6120 daily 10-17. 9710 daily 10-13. 11710 M-F 05-12. 11755 Sat/Sun 13-17. 15290 daily 10-17. R Nac seldom confirms reception reports directly. Those wishing to rx a QSL card should send complete reception report plus 2 IRCs to me, Gabriel Iván Barrera, Casilla 2868, 1000 Buenos Aires.

LR3 R Belgrano, LRY1 6090 Mon-Sat 22-02, Sun 22-03. LRY3 11780 is inactive. s/of varies Sat/Sun due to sports; all // 950 MW in SP; V by QSL.

LRA34 R Nac Mendoza, 6180 24h daily in SP // 960 MW, V by QSL-letter rarely.

LW19 R Malargüe; 6160, weekly in SP 10-22 // 1120, V by QSL letter [you again confuse us with 'weekly' & 'semanalmente' in SP--surely in both languages this means once a week, while you apparently are using it to mean daily--every day]

LRA36 R Nacional Arcángel San Gabriel, 15474, weekly [sic] in SP w/IDs in EG JP FR GM PT IT AR 22-0030; V by QSL. [see also ANTARCTICA itself]

LS5 R Rivadavia, not a SW service [of course it is! What you and far too many NAM DXers are doing, is forcing "SW" to mean shortwave broadcast. With a little thought it ought to be obvious that SW can be and is used for other purposes such as amateur and utility; and on another level it is still debatable whether this is SWBC or not] Uses 9115 eves, 4588 nights local on SSB in SP // 630 MW; feeder to stns in the interior; M-F 21-02, Sat 23-04, Sun 17-24, but s/off varies due to sports; V by QSL (Gabriel Iván Barrera, Bs As, 12/8)

Argentina plans to begin EG xmsns to the Malvinas via stn in Patagonia, but on MW or SW? to bring Arg point of view to the keepers and soldiers. Two existing stns are possible: LU14, 780, Rio Gallegos; and LRA24, 640, Rio Grande (Emilio Pedro Povrzenic, Rosario, RN Radio-Enlace 17/8)

AUSTRALIA RA has terminated the long-running DX tips section of Talkback provided by Peter Bunn & myself after months of ruthlessly condensing and rearranging them; only explanation is they prefer to have contributions from individuals rather than club reps. A pity (Bob Padula, Vic, 21/7) Pgm lacked any DX tips for several weeks, but I noticed the 18/8 pgm had some tips from Keith Barton, who was identified with the (rival) Southern Cross DX Club, & to be a regular contributor. Remarkable RA unable to appreciate quality of ARDXC tips it already had. However, tho not so timely, ARDXC DX info appears on several other Pacific and Asian DX pgms (gh) Indeed, 6095 was the missing RA spur fq in Aug LN--my mistake! (Bob Padula, 18/8)

AUSTRIA Austria Calling on 9635 at 0330 in EG 5/7 (Angela Ludowici, ADXN) I didn't think they were using 9635 for this xmsn (gh)

BANGLADESH ES to Eu now 1230-13 on 17670 // 15570, 3/8 (Kevin K Trummel, GFR) One of the two 250 kW xmters had been off but came back arnd 13/7; still often only one on. NFs for 1230 EG 17645 and replacing 15570 is 15525, or once on 15565; ex-17665 for 17645 (Roger Tidy, UKOGBANI, RN MN 25/7) EG at 1230 now hrd on 15525, ex-15570 but this may change again before you hear this (Klaus Brokeier, Willich, Germany, SCDX print 13/8) 0630-0830 now on 15585 & 17670 (Wolfgang Büschel, Stuttgart, Germany, ibid.)

The NBA--National Broadcasting Authority, plans that within current 10-year plan, ES'll incr to 4 channels instead of 2. At present, HF xmters are 7.5 & 10 kW at Mirpur; 3 x 100 kW at Savar, and 2 x 250 at Kabirpur, all within the Dhaka area. Various HF xmters are used in both ES & DS; Kabirpur has a number of multi-band curtain arrays, plus wide-band log-periodic ants (ABU 1964-1984 Report via Aug ADXN)

BELGIUM BRT S85b sked [29/9 - 2/11] in EG: Af Sun 19-1920, daily 22-2255 on 9905. Eu Mon-Sat 19-1955, Sun 19-1920, daily 22-2255 on 5895 1512. NAM M-F 08-0855 & Sat 0910-0930 on 9880; Mon-Sat 13-1355 on 15590, daily 0030-0125 on 5910. SAm daily 0030-0125 on 9925. WE M-F 08-0855 9880 15515, Sat 0910-0930 on same; Mon-Sat 13-1355 on 21810. No changes expected for D85a, thru 31/12.

BELIZE Something new? Such as power? Best reception ever of R Belize 13/8 11-02 in EG on 3285, good QRM-less sig (Ed LaCrosse, Redding CA) During the first week of Aug while I was in Costa Rica, 1660 kHz was fair on 2 x 830; 24-25/8 while in FL Keys, 830 was not hrd, temporarily off? (gh)

BRITAIN Latest monitoring shows large drift; Suns NYAB on 6788 stead 7040; Wed & Fri 3320 stead 3395 (Prodyut Banerjee, Calcutta, June IDXC ADXR)

BOLIVIA Here in Europe I'm still able to DX familiar stns (see also PERÚ)--R San José 5581.4, Machupo on 5450.5 and the well-known stns on 4738.6 4718.9 4696.8 4682.0 4472.1 4458.0 4440.7 and 4421.5, all for short periods between 2300 and 0130; also not daily due to ute blockage, Camargo on 3390.3 (Juan Carlos Codina, Muri, Switzerland, 13/8)

BRAZIL R Aparecida still operating off-fq on apx 11855.8; pretty good most eves, e.g. 10/8 0134-0155+ w/MoR vocals, ads. Hrd many times w/relig pgms; IDs as "Emissora Católica" or "Emissora da Fundação Nossa Senhora Aparecida". (John Wilkins, Wheat Ridge CO)

R Rio Mar, 9695, hrd 1900 2/8, typical Braz mx (Chuck Oliver, TX) too (gh)  
unID on 11895.2, perhaps R Pampa or RGS noted Sat only, 2342-2347 in PT, 13/  
7 & 27/7, between RFE s/off & VOA s/on, weak sig; reg sked to 2200\* (Ernie Beltr  
Kenora Ont)

R Dif Amazonas, 4805, v/s is José Joaquim Marinho; QTH: Box 311, Manaus 69000  
and he collects commemorative stamps (J Soini, DX-clusive [Finland], via Play-DX  
Italy, 29/7)

R Cultura - Araraquara SP is sometimes on 3380, 100% confirmed; sked remains  
08-03. R Congonhas is on 3385 09-22 but extended for sports up to 0125. R Bor-  
borema, 5025 now has definitive SW call ZYG-481, sked 08-03, ex-0830-03 (Anto-  
nio R da Motta, Brazil)

R Jornal do Comércio, Recife, license revoked by DENTEL! Should be deleted  
from 6085 9575 (NF 9565) 11825 & 15145. License granted for a decade to R Clu-  
be/Universal, 11735, Goiânia GO (Cláudio R Moraes via A R da Motta, Brazil)

Harmonic loggings: 2520, R Mulher, SP 27/7 1140, 2 x 1260, 45444. 2760, R  
Tramandaí, 37/7 1145, 3 x 920, 25432. 2900, R Dif Brasópolis, 27/7 1155, 2 x  
1450, 25322. 2980, R Paiguas, 28/7 2327, 2 x 1490, 25322. 3040, R Corréio da  
Serra, 27/7 1158, 2 x 1520, 25422. 3060, R Cabo Frio, 27/7 1117, 2 x 1530,  
45444. 3100, R Cultura, Visconde do Rio Branco MG, 28/7 2324, 2 x 1550, 25422.  
3160, R Macabu, 27/7 1131, 2 x 1580, 25422 (Antonio R da Motta, Brazil)

For S85, R Nacional, Brasília has registered many outlets, including some  
new ones: 6065 08-02 250 kW. 6105 2345-01 250. 6175 08-02 250. 6180 08-02  
250. 6190 1745-22 2 x 250 kW. 6195 1745-22 2 x 250. 9635 2345-01 250. 9725  
08-03 2 x 250. 11745 01-03 250. 11780 08-02 250. 11955 17-22 2 x 250. 15270  
1745-22 2 x 250. 17755 1430-1530 & 17-18 250--from ITU THFBS. Note that there  
are 9 x 250 kW xmtrs available for Radiobrás w/2 used most of time for Amazon  
svc. I've seen recent reports that the ES may go off the air (Bob Padula,  
ADKN)

RBrás technical characteristics on SW: 5 x 250 kW xmtrs for fqs in the 49,  
31, 25, 19, 16, 13 and 11 m. Three different antenna systems: A: three HRS  
4/4/0.5 at 329° to cover: A1 on 49m, A2 on 25 & 19, A3 on 16, 13 and 11, cov-  
ering Antilles, CAM, Mex, USA, Canada. System B: 3 HRS ants 4/4/0.5 at 59°--  
B1 on 49m, B2 on 31, 25, 19; B3 on 16, 13, 11; covering Eu & Af. And 3 HRS 4/  
2/0.5 at 239° to xmit on: B-1a 49m, B-1b 31, 25, 19; B-1c on 16, 13, 11, cov-  
ering C&SAm. System C: 2 HR ants 1/2/0.5 at 344° to xmit: C1 on 31, 25 19;  
C2 on 49, covering C&NE Amazon; 2 HR 1/2/0.5 ants at 312°; C3 on 49m, C4 on 31  
25, 19, covering C&NW Amazon. SW xmttr bldg covers 1240 m<sup>2</sup>; value of equipment  
& installations is US\$23.53 million; buildings US\$1.81 million (a not very  
recent leaflet from R Bras via Héctor Goyena, July Latinoamérica DX)

A reminder that the reorganised 49mb is to go into effect 5/10, cf previous  
INs (gh)

BULGARIA R Sofia noted on 7205, apparently new since early Aug; obs w/EG 0350  
18/8; also in Serbo Croatian Suns 0720 w/TWR-MC QRM from 0730 co-channel. Con-  
tinues 0800 w/GK Sundays 11/8; also on 7250 for GK Suns \*0400, E 11/8 (Padula)

BURMA BBS Minorities Svc on 4725, nice sig 1220 w/M in lang, presumed as no  
ID hrd; nice grey line path at Burma sunset, just after Victoria SR; tent on  
5060, Burmese Army stn, 1210 strange orl mx, M talking in unID lang; hadn't  
been there at 1150 check, and by 1235 only weak carrier and almost no audio--  
too early for Urumq! Peaked about 1215, weak and badly buried by Mayak 5061  
maybe image of 5970. On 23/6 Jordan River DXpedition using kilofoot beverage  
at 310° (Paul Routenburg, Victoria BC, via CIDX)

CANADA RCI in EG for S85: Mon-Fri 0615-0630 & 0645-0700 11825 9760 6140;  
D7155 D11775 D15235 D11840. M-F 12-1225 17820 15440 11955 9650. Sun 13-16 on  
17820 11955 [ & NS 11720 9625]. Daily 1537-1545 15325 D11935 D9555 S15160 S119-  
15; and exc Suns 17820. 1645-1700 17820 15325 18-1830 (Sat/Sun 1900) 17820  
15260. 19-1930 (Sat/Sun 2000) 17875 15325 11945 D7285 D5995. M-F 19-1930 on  
17820 15260. M-F 20-2030 17875 17820 15325 11945 D5995. 2130-22 17820 15150  
11945; and Sat/Sun also 15325 to Eu. M-F 22-23 E 325 11960 D7230 D6000. 22-  
2230 9755 5960. 23-2330 11710 9755 M930. 2330-24 Su=F 9755 5960. 00-0030  
(Sun & Mon -0100) 9755 5960. 01-02 Tue-Sat 9755 5960. 01-0130 15190 11940  
9535. 02-0230 Tue-Sat 9755 5960. 03-0330 9755 5960. (RCI) D=Dawentry relay,  
S=Sines, M=Montserrat; others are Sackville.

RCI SWL Digest previews for Sept: 7-8, ANARC report from Randy Erickson; Noel Green, England w/RDBI report; talk w/Gerry Dexter. 14-15, Dr John Black series on telecomms tech, part 7 on excess capacity & computer conferencing; DX mx w/gh. 21-22, Dr Black pt 8--practical applications of computer conferencing--do we use it because it's there, or because we need it? DX mx w/gh. 28-29, Tony Jones RDBI report, part 1 of 2 on changing times in telecomms in Canada--from an era of monopoly to competition, as phone companies are put to challenge; DX mx w/gh (Ian McFarland)

CHINA Beijing on apparently new 11660 beginning SP 2200, but QRMing Vienna co-channel, 17/8 (Bob Padula, Surrey Hills Vic)

Yunnan on 2310 // 5960, 1246 MZW in CH or dialect; 2310 kHz VP but was much better earlier; 120mb sigs on the way out by now; 5960 F; Yunnan also on 2460 // 4760 at same time w/diff pgm. PIA-2 on 4130 // 3900 & others at 1305 on a not too common fq; I've seen a report of clandestine VODK using 4130 at this time, but not hrd here this morn. Xinjiang PBS, Urumqi, on 5060 // 4220, USSR Mayak sig on 5061 had weakened considerably by 1310 leaving a het and this stn coming thru w/GH mx; carrier on 5060 was stronger than when I checked for Burma stn at 1235 making me believe Burma Army stn peaked abt 1215, then faded while Urumqi then began to fade in as SS approached there and Mayak weakened arnd 1300 (Paul Routenburg, BC [see BURMA] via CIDX)

Ralph Bowden, a China monitor for R Beijing received a letter from them saying "We are sorry, Tianjin Guangbo Dientai does not broadcast on 8400 kHz". They told me the same thing about V of Democratic Kampuchea when I tried to QSL it last year. We wouldn't do those kinds of things (Bruce MacGibbon, OR)

COOK ISLANDS RCI, 11759.7v, from 0250 w/pop mx to 0530+ stronger than NZ [11780]; 10/6 had RA world mx at 0401, other days local mx or mx, 0500 EG rel pgm UTC Mon (Ernie Behr, Kenora Ont, 3/8)

COSTA RICA R Columbia noted on 3950 // 4850 (Christian Zettl, SCIX bc 20/8) Cf unID 6500--your reports of strange // fqs 900 kHz below main fqs points to rx images, especially if you are using the ICF-2002, which does this (gh)

I enjoyed a week in CR at the beginning of Aug; mainly researched AM & FM scene, but also visited R Universidad. Currently running reduced power on 6105 but building a cubic ant and hope to resume higher power in a few months. The local PO refuses to honor IRCs so those sending rp to CR stns should use mint stamps or dollar bill instead. Some distance from San José, the strongest harmonic from there was R Mil on 2000 (gh)

CUBA On a couple of occasions, Havana noted on 6060 instead of 9525 for 06-08 EG (Craig Seager, RA JP DX Time 21/7)

For S85, relays of R Moscow from Cuba sked: 6170 00-05, 9600 11-13, 11840 1330-22, 11835 22-01 to NAM & SAM [note that 11835--previously off the air 22-24]. Conversely, Havana pgms via USSR: 9550 18-21, 7150 21-23, 11755 21-22, 11920 15-21, all Moscow except 11920 Lvov (ITU via Aug ADKN)

R Rebelde, tent on 5022 24/7 0245-0300 ex-5025, in SP (Bernhard Gründl, GFR, Play-DX, Italy) Checked here and right on 5025 (gh)

Some very interesting news: RHC hrd for first time in many years, being two diff pgms to IAm in SP because of the Copa Intercontinental (World Baseball Cup--the real world championship, not the local one the Americans chauvinistically call the "World Series"), played 18/8 in Canada between S Korea and Cuba. Fqs normally used in SP to SAM from \*2200 were instead carrying the live xman from Canada--15230 11815 9655 9550, plus R Rebelde 5025 relaying RHC w/ite IDs. The other two RHC fqs, 15300 and 11760 carried normal pgming, and they all re-joined at 0200 19/8 w/5025 presumably going back to Rebelde (Juan Carlos Codina, Switzerland)

Don't you believe that Cuba has not retaliated for R Martí: around 26/5 RHC added two new super-power xmtrs w/EG to NAM on 6100 & 9740, probably 250 or 500 kW, wiping out ECJB on 9745 and all other stns up to 10 kHz away; also on //6090 & 6140, ruining most of 49mb w/hate propaganda (Ernie Behr, Kenora Ont)

WNWS-790 Miami seems to have increased QRM from a new R Reloj outlet in Pin-ar del Río; also in the FL Keys 24/8 I hrd a fairly strong OC midday on 830 kHz, perhaps a new Cuban outlet testing; bad news for WCCO, which has succeeded in getting the much less threatening tiny WNYC off the air at night (gh) [Cf Aug LN IMI] The word I was trying to say is: unpremeditated! (gh)

CHILE R Santa Maria: see ANTARCTICA

DENMARK R Denmark tent S85: 00-01 6010 (or 9730) ENAm, 10-11 1770 FE, 11-1130 9730 Greenland, 12-13 11910 Jap/FE, 13-14 11910 ENAm, 14-15 India/FE 11910, 15-16 11910 WNAm. 16-17 9730 ME/EAF, 1730-1830 9730 Gnd. 19-20 11910 SEu/Af, 20-21 15165 SEu/Af. 21-2115 6010 or 9730 M-F Grnd, 2130-2145 6010 or 9730 M-F SEu; 21-22 Sat/Sun 6010 or 9730 Gnd, 22-23 11910 SA. 23-24 9730 SA. 24-25 11910 SA. 25-26 11910 SA. 26-27 11910 SA. 27-28 11910 SA. 28-29 11910 SA. 29-30 11910 SA. (via Aug ADXN) 11910 will encounter a bit of QRM from HCJB 1030-1530

DOMINICAN REPUBLIC R Clarín blasting in on 20/7 at 0132 on usual 11700; reception unusually favorable tonight. Just as I was wondering if R Earth should have stayed, signal turned to mush by 0200 (Richard A D'Angelo, Wyomissing PA) R Earth via Clarín in EG, promos by Espinal, and for travel to Curaçao, 15/6 0052, SIO 333 on 6095 (Harold Frodge, MI, ASWLC) I know that R Earth planned to run some unpublished experimental xmsns via Clarín this summer, using borrowed xmtr since its own can't change freq; possibly this was such (gh)

ECUADOR Per DXPL call-in pgm of 17/8, HCJB plans to move from 15155 to 6095 in Sept; I presume that will be after 0200. But with Havana on 6090 & 6100, & 9745 QRM'd by same on 9740, I don't expect reception to be any better. Mention of possible OOB, but HCJB'd have to get permission from Ec govt to do so. BTW, one of guests, not John Beck, said HCJB has been on 9745 so long that they 'had the right to it.' (John Norfolk, OKCOK)

Yes, S85 HCJB sked to NAM shows 15155 at 0030-02, 6095 at 02-07; also 9745 at 0030-07, 11910 05-07. 12-1530 15115 17890, 12-1430 11740; and separate pgm 0030-0130 on 11910. SA. 12-1530 15115, 0030-0130 11910. Eu 07-0830 9860 11835 and on 6210 M-F from 0645; 19-20 21480 [sic, always 21477.5] 17790 15270; 2130-22 17790 15270. SPac 07-10 9745, 07-11 11925 6130.

SP: SA. 1030-12 11910, 1030-1630 9765, 1030-1430 (Sat/Sun 1500) 11960, 1530-2145 17890, 22-05 11960, 0130-0230 11910. NAM 12-1530 11910, 1030-1430 (Sat/Sun 1500) 11960, 1530-2145 15160, 22-05 11960, 0130-0230 11910, 02-05 6050. Regional 1030-02 6050, 02-05 6080 3220. Local 1030-05 on 690. Eu 22-2230 17790, 05-0530 11835 9860 (HCJB via gh)

R Luz y Vida, Loja, reactivated 4851.1, to 0545\* one day, next day 0615+ (Gordon Bennett, UKROGBANI, WDXC Contact)

R Bahá'í, per stn literature, correct spelling is with two accent marks, hrd on 4990.0 13/7 0040-0102 fair w/Barq off, slight het de Ancash 4990.5, Ánimas 4991 (Steve Reinstein, DX South Florida) Yes, I saw exactly the same spelling painted on their building in San José, Costa Rica (gh)

Stn presumed to be R Omega, 27/7 0400 on 6578.7 w/usual pgm of south Ec mx, pasillos and the like (Juan Carlos Codina, Muri, Berne, Switzerland) more, LMI EGYPT Cairo found on 7125 w/clock chimes, AR ID 0345, 18/8, QRM VOA-Woof co-channel (Bob Padula, Surrey Hills Vic)

EQUATORIAL GUINEA Intl svc from Bata, 15106.2, does have a regular sked, on the air only M/W/F, 1700-2200\*ty; 12/6 [Wed] & 5/7 [Fri] at 2105 "Waves of Glory" pgm from Winnipeg (Ernie Behr, Kenora Ont)

GABON ANO on 15200 w/EG mx 1503 20/7, SIO 343; very brief 4-item nxcast lasting about a sesquiminate; "News highlights"; recheck next day (Sunday) at 12 & 15, no EG hrd (Richard A D'Angelo, Wyomissing PA) ANO hrd daily w/great sig on 15475 to 2301\*, ex-11940 I guess. Usual great mix of Afro mx & SAM cumbias; one of my favorite stns for casual listening (John Wilkins, Wheat Ridge CO, 9/8) ANO now hrd on unusual 15475, for locally-produced FR svc til 2302\*, // usual 4810; 19/7 & 20/7. Believe first occasion this has used OOB (Bob Padula, Vic.) Africa Number One on 15475 at \*1700-2301\* since 14/6; back on 11940 from 21/6; again on 15475 since 1/7. AWR via Gabon, 9630, in FR 1700-1753\*, fair 20/7; addr is BP 1751, Abidjan 08, Ivory Coast (Ernie Behr, Kenora Ont) GALAPAGOS IMI

GERMANY EAST RBI on 17700 at 1243-1257 20/7 in EG to SEAs, at good level, better than NAM svc (Richard A D'Angelo, Wyomissing PA) Typical

GERMANY WEST New EG xmsn from DW to NAM appears all set to go at 0300 starting March 1986 (Ivan Grishin, Aug DX Ontario, quoting BRT Radio World)

GHANA [Cf July LN-31] Three new 50 kW xmtrs commissioned, but what happened to all their others? Ten yrs ago Ghana had most powerful ES in Af, using new 4 x 100 kW and 2 x 250 kW, which later disappeared (Ernie Behr, Ont) Jungle rot?

**GUAM** KTWR, Agaña, introed new 11735 in July for spl svc in AR for Australia, 0830-09, from xmtx #2 @ 165°; EG to Pac on #1, 0830-09 Sat & Sun on 11840. From 0900 EG on 11840 uses both xmtxs in //. DX Listeners' Log is Sat 0830 on 11840, Sat 0030 on 15350; tmx to Alok Das Gupta for xmtx designations; Don Rhodes says morning EG is on new 15340 ex-15350, no further news about new ant system yet. Uses ARDXC material on DXLL; asks reception reports contain at least 30 mins of pgm details (Bob Padula, Aug ADXN) New monitored EG sked for KTWR: 0830-0900 Sun, 09-10 on 11840; 1330-1430 9510, 1415-1430 9820, 00-0030 & 0030-01 on 15350; DXLL Sun 0030 15350, 0830 on 11840 (JADX via June IXDCI ADXR) KTWR on new 9870 at 1330-1530 (Jonathan Marks, RNMN 22/8) KTWR on new OOB 12015 in Mandarin 22-23 w/some EG inserted (Arthur Cushen, June NZDX Times) Really? Reported previously as 12025 (gh)

Interview with people at AWR-Guam: Erosion on property is a problem; 611 antennas to be purchased in 2-3 weeks, four of them, 2 for low frequencies and 2 for high. A road is being built into the property, but the rainy season is now. At first there will be two 100 kW Continental xmtxs; later two more. Initial targets will be NE USSR, Malaysia & Indonesia; not Australia. Band coverage 6 thru 21 MHz. Testing expected to begin in mid summer to early fall of 1986 [sic, presumably refers to northern hemisphere] (Butch McBride and Andrea Steele, AWR-Asia, on R Australia Talkback 25/8)

**GUATEMALA** LV de Atitlán uses 1 kW Mon-Sat 20-24, Sun 17-23, on 2390 (Christian Kettl, RNMN 22/8)

**GUINEA** 15308v reactivated, hrd for first time since May 1984, \*06-10+ (Richard Binbey, RSA, RNMN 15/8)

**GUYANA** GBC noted on late 0506-0637 11/8 on usual 5950 due to death of president. Fmt ments of sympathy/sorrow from various orgns, e.g. "The management & staff of the Guyana Agricultural & Industrial Development Bank express sympathy to the family..." Somber mx betw anmts. Gave some background such as architect of Guyana's independence and first pres of country, also father of nation; SIO 353 (Richard A D'Angelo, Wyomissing PA) I.e. Forbes Burnham; R I P

**HAITI** 6154.6, R Citadelle, Port-au-Prince, believed the one 3/8 1810-1930 t/out; from t/in w/FR(?) cabaret-style vocals by M complete w/applause (live or recorded?), lengthy, indecipherable monolog by M in presumed Creole from 1851. Lengthy smt string 1901, tho only thing pulled out were a couple of GMT-4 TCs. Back into live mx 1904, mix of vocals & meringue to 1930 t/out. Sig fair at best w/fqt fades making copy rather difficult; stn seems irregular at best (David Potter, DK South Florida) 6155, unID FR 1810 4/8, nonstop FR pop mx w/M DJ; ment Haiti 1831, but didn't sound like Haitian-accented FR. After mx interlude, hyper religious or political talk by M 1835, then addr ending in Africa; fair at t/in but downhill toward 1830, F-P. Citadelle, intl bcer or claud? (W J Parks, DXSF)

**HONDURAS** R Danlí, 2nd harmonic on 2739.6, hrd 4/8 0111-0124 incl ID finally, also audible arnd 1370 at first (gh, Monteverde Cloud Forest, Costa Rica)

**INDIA** Recent letter from AIR says there is no provision for sending verification card to foreign listeners, especially to domestic stn bcs. That may explain why my friend from Delhi did not get a reply from Hyderabad AIR (Tripti Ranjan Basu, May IXDCI ADXR) AIR network future plans on SW: 2 x 100 kW at Delhi for inter-net purposes; 2 x 250 at Aligarh for ES; 50 kW Delhi, 50 kW ea at Gwahati [sic] and Shillong, for new integrated bc system for NE region (Minfo & BC 1984-85 annual report via Prodyut Banerjee and Member 84, June IXDCI ADXR) = Indian DX Club International, Asian DX Review

**INDONESIA** RRI Jayapura, 9612, hrd 1/8 to 0900; 2/8 0605-0900 better but QRM from BBC French 0630 on 9610, KGEI Spanish 9615; at 0900 wiped out by KFBS s/on in Chinese, which mixed w/Australia after 0945. RRI Jakarta Programa Nasional hrd 0730-08\* on 11770; returns w/IS 0955 on 11770 & 11865--this is often better than the ES on 11790 \*0800 (Ed LaCrosse, Redding CA) HS of RRI no longer on 9680; this fq only used by FS (Karsten Hoch, GFR, SCDX 30/7)

Indos noted 23/6 during DXpedition [cf BURMA]--too much to chase this morn so relied on previous IDs; hrd during 1300 Jak mx relay: 4753 RRI Ujung Pandang which has been there ex-4719 over a month; 3241 Sibolga or Ambon--the former ID here recently. 3345 Ternate or Pontianak, both hrd previously. 4000 Kendari,

3960 Palu, 3232 Bukittinggi, 4932 Surakarta--ex-4899 since abt Jan, 4927 Jambi--rather irregular, 4608 Serui--very regular, 4875 Sorong--had been on 4870-71 for quite a while; 4845 Ambon, 4789 Fak-Fak--had been unhrd quite a while. Noted the usual anthem at 1307 after nx. On 5988 Manado(?) during nx relay at 1303; didn't note it on 3215 so checked here to find Jak nx; now using old daytime fq later into the day? cf TAIWAN (Paul A Routenburg, BC, via CIDX) more. IMI

[Cf Aug LN; since I started quoting the Cosier/Sennitt interchange, I must bring you the next, in summary, which I hope will conclude the matter -gh] I apologise if I caused offence; what I disliked about Geoff's comments was "hi"--indicating mirth, amusement or whatever. We at the WRTH did get 'caught with our trousers down' and because I take my work very seriously indeed, I did not regard it in the least amusing; I (wrongly) jumped to the conclusion that Geoff found some kind of amusement in this. The point is that we asked for info in Aug 1984 about the expected situation in early 1985. When a guy tells you something is going to happen, what do you do--ignore him completely? It has been well reported that the days of most non-RRI stns on SW are numbered. OK, so we jumped the gun, but if we'd left them in, you'd probably now be asking why we left old info in the book! I am sorry if my anger, which should have been directed at the man from the Indo PIT, spilled over and caused some pain. (Andy Sennitt, Aug WDXG Contact)

[Cf Aug LN-24] I am not 'mm' but have lengthy contributions in magazines of clubs of the band on which I am now 95% active, MW, and am even running for the Presidency of IRCA. On your comment on what you perceive as a phonetic similarity between Jalan and girón, in questions of etymology it is not so much the present-day superficial sound pattern as the roots, the derivation, the (reconstructed) form in earlier stages of the language(s) that matter. Jalan is definitely related to Hawaiian ala 'street'; both are Malayo-Polynesian (Oceanic) languages; Malay-Indonesian j corresponds to Hawaiian h or zero, while Hawaiian, unlike Malay, does not permit final consonants. The origin of the Hawaiians in Indonesia is a mythic belief attested to by the early Hawaiian name for the islands Hawaiki, often interpreted as Hawa iki 'little Java'; contemporary Hawaiian Hawai'i. As for girón... [contd under PERÚ] (Richard E Wood, Hilo HI)

IRAN V of the Islamic Rep of Iran has been hrd on new 6175, sometimes overriding BBC Antigua; call to prayer 0250, IS and clock chimes two mins late at 0302, then Farsi (Richard E Wood, HI, SCDX print 28/5) Still quite a bother to BBC here arnd 0300, especially when Antigua weakens somewhat due to skip (gh)

IRAQ V of Masses, Baghdad, obs w/E level in AR 11755, 0300 ID & nx 10/8 (Bob Padula, Surrey Hills Vic)

IRELAND New stn R Rainbow Intl, 6240, hrd 2 Sundays in a row, 0845-13 (David Ward, UKOGBANI, RNMN 8/8)

ISRAEL HS hrd 2/8 2010 on 13723 // 11585, slight move on 22m, and WRTH lists 11583 (Ed LaCrosse, Redding CA) Up to 13724 from 13720 for HS relay from \*0300 --also hrd at 1720 in FR 7/7 (Craig Seager, ADXN) On 13723, off nom 13720 0440, 0500 ID, HB nx; fair but fading by 0530 27/7 (Norris, Jary, Sanderson, Casoti, Hackett, McDonald, Sydney meeting, ADXN) Jerusalem found on 11605 11/8 2230 beginning SP to IAm, QRM Beijing 11600 (Bob Padula, Vic) There for some time also in EG pgms. ex-11655 (gh)

ITALY RAI S85 EG: GB 1935-1955 11800 9710 7275. Medit 0425-0440 7275 5990. Near East 2015-2045 [sic, means 2025-2045] 11800 9575 7235 SAs 0350-0410 on 17795 15330 11905. Japan 2200-2225 11800 9710 5990. NAm 0100-0120 6010 9575 (via Robert F Reinecker, Coraopolis PA) RAI has more time--and fqs--in EG to Japan than to NAm! (gh)

AWR-For11 introed new sked 15/7: 0530-06 Yugoslavian langs 6205. 06-07 7240 EG. 07-0730 7130 FR. 0730-0830 7140 GM. 0830-09 YL 7200. 16-1730 GM & YL 6205. 2130-2230 6205 EG (DXLS via Aug ADXN)

JAPAN 3970, NHK-1, listed as Sapporo, very strong at 1156 w/M&W in JP to 1158 ID, M Talking, wx listed; 1200 usual 3 short & 1 long pips, few words in JP nx then sig disappeared for few sec, returned much much weaker. In fact, CH stn that was only barely audible u/before 1200 now dominated the JP! Per TBS this fq carries NHK-1 Sapporo before 1200 and NHK-1 Matsuyama after. // thruout to 3259 Sendai, 3607.7=SSB Tokyo, 6130 Kumamoto, all P-F exc Tokyo F-G. On 3378, NHK-2 Osaka, JP talk by M&W at 1130 u/severe uxe QRM // 828 MW but 6190 unhrd due to QRM/spLatter (not sked at this hour--Nick Hall-Patch, CIDX ed). Note: I have hrd both 3378 & 3607.7 s/off at 1300 as in TBS. I've also hrd on 3607.6

listed Hiroshima in AM mode until 1000, not 1100 as in TBS. Tokyo then comes on in SSB on 3607.7 a few seconds after Hiroshima goes off. As noted above, the transition in stns occurs after the TPs on the hour (Paul A Routenburg, BC, via CIDX)

R Japan S85 EG involves some changes; NAM 0015-0115 15300 11875, 0200-0300 21610 17825 15235 15195. 0630-07 Eu 15235. 0845-0945 ANZ 11875. 18-1830 SAs/Af 9645 11840. 2015-2045 ME/NAE 7105 6080. 1215-1245 SAs 11875 15235.

General svc: As 01-0130, 03-0330, 05-06, 07-08 on 17810; 09-0930 & 11-1130 15195; 13-14, 15-16, 17-1730, 19-1930, 21-2130 on 9605; 23-24 on 15195. Additional As fqs: 11-1130 9575, 13-14 11840, 23-24 15235. America: 23-24, 01-0130, 03-0330 17755, 05-06 11950, 07-08, 09-0930, 11-1130, 13-14, 15-16, 17-1730 on 9505. Eu 07-08 15235, 09-0930 15235, 15-16, 17-1730, 19-1930, 21-2130, 23-24 on 9575. Gabon relays: 07-08 17855 ME/Eu, 15-16 21550 ME/Eu (via Bob Bodell, OR)

JORDAN Amman's xmsn sked printed in May 85 is identical to Jan 82 list:--on 7155 0330-0730 & 19-2330 AR 100 kW omni. 9530 0930-1400 AR 100 kW omni. 9660 15-17 EG 100 kW to Eu. 11920 0330-15 AR 100 kW to Gulf. 9530 15-23 AR 100 kW to Gulf (John R Tow, Pinson AL)

KASHMIR AZAD Daytime fq of AKR measured on 7267.5 after tip from José Jacob in Kerala; sked is 0045-0430 4980, 06-0930 7267.5v, 1145-14 5990, 1410-18 4790--all these from 10 kW xmtr in Islamabad. From Muzzafarabad on 3670v 0045-0818 & 11-18, also on MW 792 & 1512 (Victor Goonetilleke, July UADX) See 25/4/85 Far Eastern Economic Review for discussion of Kashmir political status (UADX)

KOREA NORTH During DXpedition [see BURMA], all tropical band outlets in WRTH noted in 1140-1145 scan 23/6 w/w talking & orl mx: 2850 Pyongyang, 2300 Hyesan, 2671(not 2670) Sariwon=very poor, 2696 Chongjin-fair--this one in the past wandering up to abt 2703; 2745 Shinuiju, 2766(not 2767) Pyongsong, 2775.5 Hamhung, 3031(not 3030) Wonsan, 4272.5 Kanggye; all of these // and good except 2671 which was very weak and 2696 only fair; 3015 w/JP pgm, 3320 w/KR ES both VG (Paul Routenburg, BC via CIDX)

LAOS At 1205 23/6 noted 4658.5 Houa Phan and 5659 Xieng Khouang w/w in lang, likely Laotian which I don't recognize, // 6130 Vientiane. Likely a mx relay; 6130 QRMd by Kumamoto, Japan, NHK-1. Earlier, 6130 had some very nice SEAs mx; 5659 quite weak, 4659 QRMd by ute (Paul Routenburg, BC, via CIDX)

ES reactivated on 7122, EG 01 & 1330 (SCDX 20/8 bc) NRL is rare but hrd on 7113 w/EG mx 1330-14 (Victor Goonetilleke, Sri Lanka, RNMN 22/8) LIBYA v MALTA

MADAGASCAR R Mad has reactivated 2495, varying  $\pm$  1 kHz, // 3288 (Richard Ginbey, RSA, RNMN 15/8)

MALI R Bamako a real surprise on 3380, 26/6, 27/6, 29/6, 2140-2400\* (O Picoco, Marbella Spain, Claudio Dondi & R Pavanello, Italy, Play-DX) Cf Aug IN IMI

MALTA/LIBYA The Libyan ES via Malta has moved from 1540 to 1840 kHz; the EG pgm from Libya at 1800 on 15450 has QRMoscow and may move to 15455 (Maarten van Delft; SCDX bc 20/8) Not sure about the first part but that's how I hrd it

MEXICO Here is a rather full listing of ITU registrations for S85: 5960 14-01 0.3 kW Sisoguichi. 5980 24h 0.5 Linares. 5985 13-16 & 23-04 10 Mexico City 6020 1130-06 5 Veracruz. 6010 12-08 5 Mexico City. 6035 12-20 & 23-03 100 Mexico City. 6045 12-04 0.3 San Luis Potosí. 6090 12-03 1 Cd Mante. 6105 12-05 1 La Mérida [sic]. 6115 16-0230 1 Hermosillo. 6120 12-0130 0.3 Tapachula. 6140 16-06 0.3 Chihuahua 6145 12-06 0.3 Tlaxiaco [sic] 6165 12-06 10 Mexico City. 9515 12-22 & 02-08 20 Mexico City. 9545 12-06 0.5 Veracruz. 9555 12-06 1 Mexico City. 9575 12-20 & 23-03 100 [all the rest are in Mexico City]. 9600 13-05 1. 9705 20-0445 10. 9750 12-20 100. 11720 12-20 & 23-02 100. 11740 12-06 5 11770 13-17 & 23-04 20. 11880 11-08 5. 15110 24h 100. 15120 12-20 & 23-03 100. 15160 12-06 10. 15430 14-16 & 20-05 50. 17765 20-23 & 03-05 10 (Aug ADXN) Very interesting; includes lots of stns off the air for years, but some have unexpectedly returned and maybe more will; note the several 100 kW fqs--possibly refers to R México Intl which has had 100 kW xmtr unused for years. A slight drawback of such ITU info is lack of identification of stns other than location: (gh)

XERMX bcs in GM 2218-2215 & 01-0105 on 9705 & 15430 (Karsten Hoch, SCDX print 30/7) Can EG be far behind?

MONGOLIA RUB EG at 1200 on 12015 but fairly strong sigs also hrd on 11985 and 12045 which are  $\pm$  30 kHz, apparent spurs; only announces 12015 & 9615. S85 ITU registrations: 5960 14-08 50 kW, 7150 09-15 50, 7235 10-16 100, 7260 14-08 25, 9575 16-09 100, 9615 09-15 50, 11855 14-08 25, 15305 09-14 250, 17790 16-09 250 kW (Robert Chester, SA, RA JP DK Time 25/8)

MOZAMBIQUE ES in EG at 1800 on 3338 // 9618 & 1079. Arnd 1900 3338 has Maputo regional pgm; RPs for Natl Svc are 3212 9618 11818 (R Ginbey, RSA, RNMN 15/8)

NEPAL Official sked of R Nepal, as rxd direct from stn engineer, since 17/6 is: 5005 0145-0315, 0745-09, 1245-1415 as Ch 2. 5005 1015-1145 ES in EG & NP. On 7165 0015-0515, 0615-1015, 1145-1715 as Ch 1. MW outlets for Ch 2 operate for periods outside the period designated for above SW outlet. 7165 may alternate w/7115 for some svcs. 3230 no longer listed. Engr says only two SW xmtrs in use at any given time (Bob Padula, Vic, 21/7)

7165 may be on the air for periods outside the times indicated above, for special services/events (Peter Bunn & Alok Das Gupta, Aug ADXN) A new HF xmtr center is planned; presently there are two sites: Khumaltar with one 100 kW Marconi and one 10 kW Marconi and two Harris 100 kW. And Jawalakehl with one 5 kW xmtr dating back to 1948, still in good condition. Ants at Khumaltar are two wide-band log periodix, four quads and one folded dipole (ABU via Aug ADXN)

7105, used in late May is now back to 7165 and 3230 is dropped; 5005 still on. 5005 is // 7165 except 0150-0220, 0305-0320, 0750-0850, 1150-1350 (Victor Goonetilleke, Sri Lanka, RNMN 8/8) This was obviously based on the former GMT +5h40m timezone, not the current +5h45m (gh) 7165 at 1345-1520\* (Keith Barton, RA Talkback 18/8)

NEW ZEALAND RNZ on new 6100 hrd 3/8 from 1130 mx, 1200 EG nx to 1208\*; no // noted but ancd only 25 & 31m (Ernie Behr, Kenora Ont) Natl pgm relay hrd on  $\leftarrow$  6100 at 1030, now back on 49mb but vy distorted at times so apparently having xmtr problems, 27/7. I thought they couldn't use this band? (Peter Bunn, ADXN) At 1030-1215 on 6100 ex-11780, // 9600 (Keith Barton, RA Talkback 18/8) RNZ hrd on 15150 at 1430 2/8, C&W mx, EG (Chuck Oliver, Spring TX) Really? Normally off the air at that time and if on using lower fq; time typo? (gh)

RNZ from start of DST 27/10, to 2/3/86, tent sked: SPac 18-2015 11780 15150. 2145-0045 & 0245-0630 17810. Au/PNG 2245-0045, 0245-0630 15380. 0930-1115 9520 11850 (Arthur T Cushen, NZ, MBE, July NZDXT) more, LMI

NICARAGUA Since 18/6, VON ES on 6015 on air longer, 11-1830 & 22-05 M-Sat, 23-04 Su, ex 1400\* 1830\* w/out anmt. In SP exc 01-02 & 04-05 EG (Aug DXO)

NORWAY R Norway S85 xmsns which incl EG Suns +GMT Mons for half an hour: 1000 15165/15180 15165/17750 15205 15230. 1300 6040 17740 9590 17740 15305. 1400 15300 15245 15305. 1600 9655 9655/9590 11935 11850/15305. 1700 9655 15230 15305. 1900 15225 9590 11850. 2000 11850 6015 9610. 2200 9610 9590. 0000 9590 9605. 0400 9590 11865 6015. 0500 11865 15165. Fqs after (/) are alternatives; fq listed twice means two xmtrs beamed differently (via Eric Swedberg, Portland OR & Joe Hanlon, Philadelphia PA)

PAKISTAN R Pak now on new 15605 in Urdu WS 0745, ex-15595 used earlier in J85; 19/7 (Bob Padula, Vic) at 1330-1615 to ME in UD/EG on 17664 ex-17660 (ILG via WDXG Contact) WS to UK 0715-11 & EG slow mx 11-1115 on 15605 ex-15595 // 17660. 1645-19 on 11810 9465, EG to 1745. FR 11790 ex-12015 & ex-11810, // 9465 1915-2015 (Noel R Green, Blackpool, UKOGBANI, NCI SWLD 3/8)

In acknowledging report of 15595 at 11-1115, R Pak asked for reports on these svcs 'directed to your area': WS UK 0715-11 & slow speed bulletin for UK 11-1115 on 17660 15605; WS UK 1645-19 on 11810 9465 (Kenneth Hill, Somerville MA)

PAPUA NEW GUINEA The name of PNG is going to change on 16/9/85, Independence Day. A nationwide competition in this connexion is going on (R Austral-ia news via Prodput Banerjee, IDXC1 ADXR May)

On 23/6 DXpedition [see BURMA], PNG stns surveyed at 1135+, list-logged since I didn't have time to log each one individually: 2376 R Simbu native choral mx, G exc for 2375 het; 2410 R Enga in Pidgin, nice level. 3205 R West Sepik in PG, P-F w/het maybe Indo, 3305 R Western in PG, mixing w/3306 stn, perhaps RRI Df11 w/Indo flavored mx hrd before, not on 3121. Other PNGs w/G sigs: 3220 R Morobe, 3235 R West New Britain, 3260 R Madang--P w/het from NHK 3259; 3275 R Southern Highlands P u/ute 335 R Manus. 3325 R North Solomons, 3335 E East Sepik. 3345 mix of 2 stns perhaps R Northern & an Indo 3375 R

Western Highlands, P w/ute; 3290 not noted; nothing on 3360 except a Chinese stn; 3385 had only Miri, Sarawak // 4895 5005. 3395 big mess, likely dominated by Indo; forgot to check for 3905; all this in 1135-1150 period. 3245, R Gulf, as ID is listed, at 1258 w/C&W song, island mx to 1300 M in PG, chimes, ID I could not catch due to QRN but didn't sound like R Gulf; definite PNG tho and F sig exc for QRN (Paul A Routenburg, BC, via CIDX)

**PARAGUAY** LV del Chaco Paraguayo, Filadelfia, very likely will xmit religious pgms on SW; so far this Mennonite stn is only on 610 kHz. R Nacional has N/S ant & uses 32 kW not 100 (Emilio Pedro Povrzenic, Argentina RN R-Enlace 26/7)

**PERÚ** High adventure on the ham bands! An expedition, to be sponsored by Colorado University, is on their way to the Gran Pajatén archaeological site in eastern Perú. Daily sked is 2300 GMT on 14180 between W0UR (and/or KDØGE, KDØGF and W0UX) and OA4OS, who relays xmsns from KAØUTR/OA9. The Pajatén site, still unexcavated, may predate the ancient Inca civilization, and the expedition's radio xmsns include stories of treacherous jungle trails and other hazards (John Wilkins, Sept Association of DX Reporters)

# Lost city found in jungle

## Indian ruins described as a 'very important' find

By Nicholas Asheshov  
The Sunday Times, London

LIMA — The ruins of the ancient lost city, easily the largest found so far in South America, have been discovered in a remote forest on the eastern slope of the Peruvian Andes. Beneath dense vegetation lies a huge metropolis of soaring pyramids and staired terraces, perhaps 24,000 buildings, the centre of a civilization that was at its peak 1,000 years ago.

The ruins, which cover at least 120 square miles (190 square kilometres), include what seems to be a series of fortresses joined by high walls. They are inhabited today only by snakes, puma, bear, monkeys and other animals of the upper Amazon jungle.

The discovery was reported last week by Gene Savoy, 57, a U.S. explorer who has found some of the most impressive lost cities in the Peruvian Andes during the past 25 years. His latest finding came during preliminary work on a plan to sail a primitive catamaran down the Amazon and across the Atlantic to test his theory of contacts be-

tween early Mediterranean and pre-Inca Andes cultures.

The ruins lie at an average of between 8,000 and 9,000 feet in mountains overlooking the Marañon river, the main source of the Amazon. They are about 40 miles southwest of the small city of Chachapoyas, running along an isolated range of peaks.

### Buildings are as high as fifteen storeys

Some of the small, deep valleys that lead up to the ruins are inhabited by peasant farmers who cultivate coffee and tropical fruits. They frequently use the stones of the lower houses in the ancient complex for their own dwellings and for cattle pens and farmyards.

The metropolis may have been inhabited for 2,000 or more years but the architecture of the buildings, seen and photographed so far,

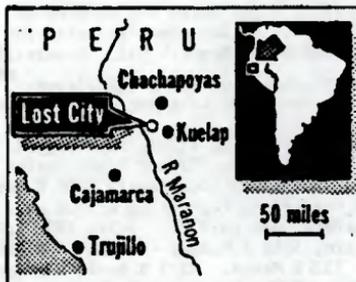
indicates that it was at its zenith between 700 and 1,000 years ago. It was the home of the powerful and warlike Chachas people, who were conquered by the Incas at the end of the 15th century, just a few decades before they in turn were defeated by the Spaniards.

Savoy calls his city Gran Vilaya. Evidence suggests that it predates the famous lost city of Machu Picchu, near Cuzco, 600 miles to the south, to which the Incas fled to escape Spanish persecution.

After their own conquest, the Chachas disintegrated and disappeared as a nation. Some of their genetic remnants, however, seem to have lasted in the form of the blond hair and blue eyes of some mountain people.

Savoy says that there are at least three main city-type layouts. Staircases rise steeply up the mountains, pyramid-fashion. He describes "complex units of circular buildings that soar up as high as a modern 15-storey building."

In London, Dr. John Hemming, president of the Royal Geographic Society, said that the find was very important.



The above Sunday Times article via Ernie Behr in Canada, dated July 7, 1985. The city of Chachapoyas in the Peruvian department of Amazonas is known to DXers as the location of Radio Nor-Peruana, operating on 9655 kHz. An article about another recent archaeological discovery, Gran Pajatén, ("Lost City found in Andes") appeared in the April 1985 FRENEX, page 23. The two stories are apparently not related.

R Norperuana, 9655, sent long form letter and returned PPC. V/s Augusto R Roca García, Corporación Departamental de Desarrollo de Amazonas (CORDE Amazonas), Jr. Bongara 612, Chachapoyas. Letter said city was one of little growth due to isolation by road and air; trip by land takes 3 days from Lima, spending one night out in the vehicle. The old airfield is unsuitable for commercial airlines, being unsealed. Airforce flies there twice monthly. A sealed road and new asphalt airport are under construction (Paul Edwards, June NZ DX Times)

News directly from the stns: R Rioja, 5045, 2.5 kW, 1030-0400, addr is Jr. Teófilo Juan Mori Maldonado 930, Rioja. Rdf San Martín, 4810, Dir. is Carlos Poschionelli. R Universal, 3310, 0900-0400, addr is Jr. José Santos Cholano, G-11, urb. Santa Mónica, Huanchaq, Cuzco. DirGen is Luis R Villasantos C. R El Sur, 9635, 1 kW, 0900-0500, DG is Ana Carolina Muñoz L (WRTH LA-News 30/7) Has anybody heard this last station? (gh)

R La Crónica, 9520, ID jingle w/1320 kHz at 1913 3/8; Estación 2000, 9988.4, 3/8 1915 mx, 2001 mentd Aero Perú, 2006 mensaje seeming to mention Unión Radio; ID w/fq 9988; weak but readable (gh, Monteverde Cloud Forest, Costa Rica)

Estación 2000 R, 9988.4, 23/7 2320, poor (Fred Dourén, SWB, Sweden)  
R Tacna, 9486, 28/7 0330, good and strong but 9490 splatter; // 6566.1 better (Carl Gustav Kähler, SWB, Sweden) R Tacna regular here on 6564 in June at 0830; not a new fq; 6564 = 9504-(1470 x 2) (Antonio R da Motta, Brazil) Am hearing R Tacna for first time ever, 20/7 0230 on 9486 w/positive ID, S 7-9 (Chuck Oliver, Spring TX) R Tacna, 9505.2, noted in well at weak but readily copyable lvl on this alt fq 3/7 1435-1500 w/current affairs pgm Fqt reverb "R Tacna" ID; killed by R Japan at 1459; also noting threshold presumed Estación 2000 on 9988.4 at same time (David Potter, DXSF) R Tacna hrd w/weekly EG pgm at 0451, G on 9486; nom fq is 9505, 200 W power listed (Chris Summerfield, NZ, SCDX print 4/6) Weekly--so what day of the week?? (gh) Also hrd on 6562.8 as late as 0500 (Bengt Dalhammar, substitute SCDX ed 4/6)

New stns seem to be appearing every week. R Súper Pacac, in Cajamarca province, hrd to 0320\* on 6961.1 (Lars Erik Svensson and Stefan Bursell, SWB via SCDX print 4/6) R San Miguel hrd at 0100 on 5719.5 (Fredrik Douren, SWB, ibid)

[Cf July LN-21] R Central, 4875, is not a new stn but ex-4923v; R Municipal 5050.4 is not new fq, but there since 1983. R Selva, 5970 is doubtful, last reported on 7197 & 6700v; 5970 is El Sol fq. In Feb LR-B, would you believe R Ucayali on 4950 and R Bagua on 5199? Since JCC is gone, let's be more careful w/Peruvian IDs (Ernie Behr, Kenora Ont, 3/8)

A glimpse of the possibilities here in Muri, Switzerland, using only a very little 7-meter antenna, but with the best amateur-priced receiver the NRD-515, the desire to DX them, late at night, and of course experience and skill:  
On 12/8 I hrd R San Juan de Chota, reactivated after more than 6 months on 5274.4, of course w/heavy ute QRM as usual in Europe, from more or less 2315 till 0035\*; ID not hrd clearly, only ments of 60mb, "El Condor Pasa" theme, etc. Another interesting tip for Euro reception is JSV, Huánuco, hrd regularly on 6061.3 from more or less 2300 til 0100\*. Besides that, the normal OOBs hrd daily: Estación 2000, Rioja on 9988.4; R Continente, Juanjui on 8926.5 to 8926.0; R Celendín, Celendín the carrier only on 7054.7. R Nuevo Cajamarca, distorting and moving arnd 6963-6964 (they were one month ago sometimes arnd 6958); Satellite on usual 6724.3; Tacna on 6566.2 for several weeks, but from last week on 6564.5. On 27/7 hrd Frecuencia San Ignacio, 5801.7, at 0400; back to list of daily catches: Estación C, Moyobamba on 6323.7; R Chota on 6296.7; R Huayabamba 6281.5; R Municipal de Calca 6242.7. R LV de Huamanga 6201.0 to 6201.2. R San Miguel Arcángel 5720.5--carrier only due to heavy ute QRM. R Ilucán on 5617.5--inactive past few weeks tho. Acobamba on 5324.7; Imagen 5199.1; carrier from R Nuevo Continente, Cajamarca on 5190.9, (confirmed this weekend for John Ekwall, Sweden, DXing in his summer house with 300m long antennas, tho I hrd carrier one month ago already); R Mundo, Cuzco on 5120.4; R Ayaviri, on 4606.7; Norandina, tho only w/carrier on 4459.8 (Ekwall hrd regularly the pgms due to diff in prop condx in Sweden, long ants, and of course his quality as a DXer); R Moderna 4300.1; R El Sol de los Andes, Santa Cruz on 4254.5; on 90mb tentative carrier not daily due to ute blockade Cutervo on 3389.8; daily w/G sigs El Sol de los Andes, Juliaca on 3329.2. Most of all this listening is done in short periods of time between 2300 and 0130, one night till 0400; some OOBs such as 9988.4 and 8926.2 are already in at 2130 tho weak; best time for them is 2330-0130. (Juan Carlos Codina, Muri, Bern, Switzerland, 13/8) More...

Very interesting to see report of Don Moore in May LN about R Cutervo being founded 1/6/84. Already hrd by me on first day of xmsn, 6/8/83! This shows that the method of getting info from stns themselves is not the most accurate. As I always explain to those who would like to hear it, the only accurate info is that coming from the speaker of your receiver! This also reminds me of a report from Don Jensen about R Moderna, Moyobamba, starting operations on 9/9/83 on 6364, while I actually hrd them the first day on the air, 31/7/83 on 6794! There are a lot more examples like these, that only show that these stations not only have no idea of fqs, powers, and so on, but don't even remember when they began to operate! So be careful about info coming from stns such as ones that year by year [deleted] reports to be 'on the air' while they are merely in the minds of their would-be managers. Only some little thoughts, folks! (Codina)

[continued from INDONESIA] As for irón, it is a word not confined to Perú but found elsewhere in the Hispanic world; e.g. the Spanish name for the Bay of Pigs is Playa Girón (knowing this will help RHC listeners). The Peruvian spelling with i appears to come from the Andrés Bello reformed spelling which, while created by the Venezuelan-born Chilean philologist Bello, is today used mostly in Perú. My recent QSL letter from R Tawantinsuyo 1200 kHz was written in it. I believe it is a noun related to the verb girar, 'to revolve, rotate' and the noun giro, 'band, direction, turn'; the suffix -ón in Spanish is an augmentative, cf. oregón, 'big ear', so irón might mean 'big turn, big direction'. Incidentally, I am increasingly concerned at the apparent trend of NASWA/FRENDX toward a beginners' club. Logs are getting poorer and poorer, the articles more and more elementary or ill-informed. This reinforces my current interest in MW (always my first love in DX) where there is more high-level competition (Dr Richard E Wood, Hilo HI, 8/8)

PHILIPPINES DUB4, MBS on 3286 is back, sort of. Heard most days now on 3286, the very weak. But there's a loud FM-type spur on 3360. Not a local problem either; it's audible in Baguio w/better levels than here (Gerry Bishop, Clark AB, 28/7) Maharlika BCing System plans to put into opn this year two new 100 kW SW xmtres; see Aug LN for details of fqs. This is part of a larger plan set up in 1980 by the then Info Minister Gregorio Cendana, when the Phil BCing Svc was amalgamated w/the MBS. The MBS/PBS is now the offl govt 'voice' (ABU/ADKN)

FEBC R Intl, Manila: the popular DX pgm "DX Dial" may be bc at new times from 1/9, tentatively Sats 2300 SEAs, Mons 0700 China/PNG/Au, Tue 1340 SEA/India. Also using new O/t [?] of 15310 for morning EG 23-05 ex-15445 since early July. DX Dial, prepared by Alok Das Gupta, hrd on this fq & this news from him (Aug ADKN) EG 14-16 to India now sked on 9670 ex-9730; EG for Malaysia 23-24 & SEAs 00-05 now on 15310 ex-15445 & 11725 (RA JP DX Time 18/8) 15310 change noted 20/7 (Bob Padula, 21/7)

R Veritas EG at 15-1530 on new 9640; 02-0230 15195 (Victor Goonetilleke, Sri Lanka, RN MN 22/8)

QATAR QBS has two sites: Doha of 1 xmtre of 100 kW; and Al-Khaisah with one 250. The latter is abt 25km N of Doha. Plans underway to set up new SW centre at Al-Khadai, 120 km N of Doha, w/6 hi-powered units, 28 ant arrays to give suitable worldwide coverage (ABU via Aug ADKN)

SAIPAN [Cf Aug LN] The S85 RCI fq sked has no indication of a KYOI relay (gh)

SAUDI ARABIA An anonymous American visitor to the Kingdom reports to RIB 102 that this country is the source of a great many MW 'bubble' jammers, and some on SW, affecting even BBC in Arabic, but not VOA (gh) BSKSA obs on new 9645 w/AR, 2245 prayers to 2300\* 18/8; // 9885; normally uses 9665, noted there 16/8 & not on 9645 then (Bob Padula, Vic) BSKSA on 9655 w/Holy Quran pgm til 2101\* 24/7; diff AR pgm on 9870 same time. Since V of Libyan People left 15040 BSKSA has returned to 15060; hrd 18-1853\* w/af lang 15/6, until 1858\* 21/6. Still believe VoLP was via Saudi xmtres, not from Sudan (Cf May LN-25) (Ernie Behr, Ont)

S85 fq registrations for BSKSA: 6000 03-0730 & 16-23, 7145 15-16, 7195 03-05, 7210 18-21, 7220 03-0730 & 10-23, 7290 03-0830 & 10-23, 9610 19-21, 9620 2130-23, 9640 15-16, 9665 17-2130, 9685 17-18, 9720 03-0730 & 10-23, 11720 04-06, 11730 12-15, 11740 20-23, 11760 15-17, 11855 05-07 & 10-13 & 15-21, 11870 05-15, 11910 17-18, 11915 16-17, 11950 03-07 & 10-23, 11965 17-20, 15245 13-17 & 18-19, 15345 12-15, 15370 03-06 & 11-17, 15430 07-10, 17760 10-12, 17780 05-07, 21495 07-12. Note: "6000" probably means 5875; "15370" = 15060; "11720" = 11685 "9665" = 9870; "7220" = 7215 (Bob Padula & ITU THFBS, Aug ADKN)

SENEGAMBIA The Aug 1985 National Geographic includes an article, "Senegambia - A Now & Future Nation" which sheds some light upon the status of Senegal and Gambia. It states "An engagement with no set date for permanent union, the Confederation of Senegambia, created in 1982, merges communications, transportation, and defense operations of Senegal and the Gambia but respects the sovereignty of each." (Wendel Craighead, Prairie Village KS)

SEYCHELLES FEBA Sunday svc on new 15120 \*0712, EG 0713 includes 'Hobby of Kings' [combining stamp collecting with religion] until 0730, ex-15115, 21/7; Vatican co-channel QRM (Bob Padula, Vic) Final S85 and tent D85 EG: Sun 0712-0845 15120 17780 100 kW on 40° broadbeam. EAF 1457-1530 (Mon 1600) 11760 25 kW 280° broad. SAs 1458-1530 (Mon 1600) 15325 100 kW 40° narrow. International EG at 1530 (Mon 1600)-1608 on 11760 & 15325 as above plus 11865 100 kW 52° narrow.

The weekly Kazakh xmsn at 2300 is gone, but now there's another strange one-Korean, Thursdays only at 1833-1905 on 9540, 100 kW on narrow 352° beam--so it's not toward Korea, but the Arabian peninsula, where there are many Korean workers --ripe for Christianization in an overwhelmingly Islamic area--where Thursday night is like Saturday night in Christian-dominated areas (gh)

FEBA's full fq sked, final S85 and tent D85: 6130 1827-1945 (Sat/Sun 1900). 7130 1627-1730. 7275 0112-0215. 9510 1612-1700 & 1731-1833. 9540 1833-1905 Thu. 9600 1700-1716 (Wed-Sun 1731). 9610 0311-0358 & 0358-0429. 9640 0157-0245. 11720 1731-1833. 11755 0342-0430 (Sun 0445, Fri 0500). 11760 1457-1608, 1612-1700, 1700-1716 (Wed-Sun 1731). 11790 0358-0429. 11810 0311-0358. 11855 0157-0245. 11865 0257-0330 (Thu/Fri 0340), 1202-1220 (exc Sun), 1227-1400, 1400-1513, 1513-1608, 1608-1626. 11895 1257-1345. 11920 1224-1257. 15120 0712-0845 Sun. 15325 1202-1220 (exc Sun), 1227-1400, 1400-1608. 15405 1057-1145 (Sun/Thu/Fri 1200). 15430 0912-1000 (Wed 0945). 17780 0712-0845 Sun. 17875 1057-1145 (Sun/Thu/Fri 1200). Successive xmsns on same fq indicate change in beam and/or power. 25 kW on 9610 9640 11720 11760, and for the 1227-14 xmsn on 11865; rest 100 kW (FEBA via gh)

SOLOMON ISLANDS 9545 & 5020 at 0705 30/7, 0800 EG; 1/8 0553 9545 after DW Antigua s/off; then mix w/Moscow 0600; S1 EG 0700+ incl ads, mx etc. 0800 EG mx. 2/8 5020 had carrier only 07-08 (Ed LaCrosse, Redding CA)

SOUTH AFRICA R Capital [sic], Transkei, hrd regularly in Finland 12/6-23/6 on 2340, 4 x 583 kHz (DX-clusive via Play-DX) That's 4 x 585 (gh)

R RSA S85 final EG: 0300-0426 9585 7270 5980 4990 3230. 0630-0730 15220 11900 9585 7270. 1100-1156 17780 15220 11900. 13-1556 17780 15220 7270. 21-2156 11900 9585 7270. 0200-0256 9615 6010 5980 (R RSA)

SRI LANKA Deutsche Welle Trincomalee is off the air indefinitely and the future of the entire project is in the balance after the Tamil separatist attack on the stn in late May. Three incidents took place per press reports. First, a storage depot of equipment was raided and VHF eqp removed. Next day, terrorist forced the project engineer to hand over his jeep & VW camper and on a third incident they blew up an approach bridge to the complex. The ethnic issue in the north and east of the country has taken its toll on this stn. Trincomalee district is not one which is predominantly Tamil. It's about equally populated by Tamils, Sinhalese and Muslims. The terrorists didn't attack civilian targets and least of all it was not expected that they would attack a foreign concern, especially Germany where many thousands have sought political asylum due to that country's liberal asylum laws. The Tamil terrorists probably thought they should stop SLBC using the facilities?

Over the last few months it has been emerging that the terrorists are bent on creating chaos and intend to keep the situation of violence, as the main kingpins behind the whole thing seem to be international drug pedlars and asylum agencies. Nearly 400 heroin smugglers have been apprehended in western capitals and all have been Sri Lankan Tamils. They according to Interpol are hard to detect because these are economic refugees and people seeking better economic gains in the west and not political refugees; once-in-a-lifetime carriers who carry a package in return for passage to a Eu city and legal backing of their lawyers who are in those countries who arrange asylum proceedings. It is only now that the true picture of the operation is coming to light and there seems to be confusion in terrorist ranks as their leaders have been manipulating a situation and the 'hit boys' have been the 'cats paw', the raw gun-toting

terrorist who knows nothing about intl repercussions of their acts, etc. Anyway I don't think we can write finis to the DW relay--not just yet to this 40 megaDM project.

(Later note): The latest development is that the govt and 5 terrorist groups and the moderate Tamil political party the TULF has agreed to a session of violence. [? cessation, probably] With the easing of tension the DW has resumed some form of test xmsn. We hear the MW fq 1548 during the day arnd 06-11 and also a couple SW fqs. A phone call to the project engr Mr Geissman revealed that they are testing and powering the antennas to keep the eqp in opl condx. A recent letter from one of our German members showed his disappointment as he says the SL police and army are not alert enough, are lazy! I understand his feelings but it's not the case--the very nature of terrorism, their total disregard for intl decency makes it impossible to prevent everything. The SL security forces are targets for these people, law enforcing officers who are suddenly at the receiving end of a machine gun or a grenade. Let's hope this situation in the N & E of SL will resolve soon and also the DW can go on from Trincomalee to provide a good sig to As & the FE (Victor Goonetilleke, UADX, June) DW relay back on, 1610 in EG on 7200 (Philip Hodgson, England, SCDX 30/7)

In early July SLBC on 9720 had some problems--very strong spurs on many 31m fqs--9670 9685 9703 9715 9719.8 9736 9769 etc (José Jacob, India, IDXC1 ADXR)

SWEDEN RSI S85 EG changes: EAs 1230 11920 ex-15190; SAs 15430 ex-17845. SAs at 1600 11945 ex-15110; 2100 no MW 1179; just RSweden Europe at 2145-23 on 1179 in Sept (SCDX 13/8 bc)

SW SSB relay of Swedish HS pgm on Varberg 100 kW: 05-07 17770 80°, Sat & Sun 07-09 17770 110°; 09-11 21555 110°, 11-15 21555 170°, 15-17 15435 170°, 17-2030 15420 250°. Also carries ES in SD 2330-24 11950 & 02-0230 11950, EG 0230-03 11950 all 0° (RS1) SD HS times change 29/9, but not just 1 hour later, but instead: 06-08 17770 80, Sat/Sun 08-0930 17770 110; 0930-12 21555 110, 12-16 21555 170, 16-18 15425 170, 18-2130 15420 250 (RS1)

SWITZERLAND The new w/385 2130-22 xmsn in EG to UK only on 6190 is often adequate here when I forget to catch the 21-2130 xmsn to Af on 12035 15570 9885; from 29/9 the 2130 xmsn like all others to EU moves one hour later. Little or no change in other EG for S85. Dates for Red Cross svc are 30/9, 3/10, 28/10, 31/10, or rather following UTC day for the 0341 xmsn in EG to NAM on 6135 9725 12035 15305 (SRI, gh)

SYRIA R Damascus noted on 17825 // 12085 10/8, SIO 343 & 2+42+ resp., w/nx, sports, local mx, report on Casablanca summit 2016-2025. 11/8 only 12085 noted at SIO 343, 2027-2104\* w/ME mx, weekly Profile to 2037, EG pop tunes until 2102 nx. S/off ID "This is R Damascus, the bcng svc of the Syrian Arab Republic" Gave next day bc time as 15-16 local, 12-13 GMT so apparently they are on DST as WRTH shows Syria as GMT+2 w/out indicating summer time (Richard A D'Angelo, Wyoming PA)

TAHITI 9687 hrd at 1140 18/7, tentatively, better at night (Mitch Sams, KS, OMDC) Return to 9750, hrd 5/8 0600, recheck 7/8 0335 back to 9748 (Ed LaCrosse, Redding CA)

TAIWAN 3215, BCC Hsinchu presumed, 23/6 1254 M&W in CH, pop mx in absence of RRI Menado w/P sigs. I've hrd this here in Jan at 1600 after Menado s/off but also from abt 1300 over past few weeks in Menado's absence; not // any other PRC or Taiwan stns I could find. Get it before Menado returns! (Paul A Routenburg, BC, dx-pedition, via C1DX)

THAILAND Public Rels Dept, which controls R Thailand, has advised ITU of plans to set up new SWBC centre, w/several hi power xmtrs up to 500 kW ea, to provide global coverage, not at present available w/existing lo powered (ABU via ADXR)

TUNISIA May-Aug decametric wave sked: ME 04-08 9675 15225, 08-18 11750 15225, 18-24 7280 9675; WEU 04-07 9585, 07-19 11730, 19-24 7225 (via John Tow, AL) Tho presented in French, all pgms believed to be in AR (gh)

TURKEY Recently returned from journey in Turkey w/this info on non-TET stns: Turkish Police R 0557-1457 on 6340 and FM 95.5; Ankara Police Radio \*1457-21 on FM 94.5 only, no morn xmsn but earlier s/on Suns; Turkish State Meteorological Sce \*0357-1850\* apx, but not continuous; WRTH listed fq is 6900. Ankara Traffic R, also listed in WRTH, not hrd (Tetsuya Hirahara, Japan, SCDX print 23/7)

VOT 585 tent ITU regs: 5985 17-21, 5995 03-05, 6105 16-23, 6150 14-15, 7215 16-17 & 19-03, 7265 03-04 & 17-18. 9535 03-04, 9560 22-04, 9565 09-10 & 15-16 & Fri 10-15. 9625 10-12, 9660 16-22 & 04-09, 9675 14-1430, 9730 22-03, 11770 04-09, 11820 04-09, 11955 09-16, 15220 09-16, 17885 1230-14. Traditionally, the TRT usually adheres to tentative allocations (Bob Padula, Aug ADXN)

U A E V of UAE on new 11740, hrd Tue \*15-18+ in AR, Vat QRM (Tidy, RNMN 15/8)

U K O G B A N I Oct London Calling shows considerable change in fqs to WEC&NW SAM, some of which may actually start in Sept. Singapore at 15-1615 11750 [in CAM this is best fq as early as 1330 -gh], 23-2330 11955, 23-2430 on 9570. Sackville 12-13 only on 5965, but certain unspecified days expanded to 11-1330. 13-1330 on 15260. 16-1709(Sat/Sun 15-1745) on 15260 11775 9515 [or only 2 of them at any one time?], 22-2430 9590, 22-0330 6120.

Ascension 20-2330 15260, 23-0330 11750, 00-0330 new 6075. Antigua 11-1330, 11775 6195, 20-0730 6175, 0430-0915 9510, 09-0915 6195.

Direct from UK: 20-23 11750, 22-2430 9915 [but continues to 0330 for SSAM], 23-0330 7325, 22-0730 5975, 06-0730 7150. Greenville 0030-0330 9515. (gh)

U S A R Earth made last-minute deal to go on KCBI a week after KCBI itself began programming, not Sats but Suns 18-21 on 11790; since about 6 hours are being condensed to 3, we cannot expect to hear the same features at the same times on successive Sunday afternoons. Sig here is fair, inaudible in Costa Rica but presumably better NE of Dallas (gh) First bc hrd 4/8 1958-2037 w/cov-erage of ANARCON 85, interviews w/Terry Colgan, Mike Knitter, Bob Zanotti, Gene Reich and Ian McFarland, SIO 343 (Richard A D'Angelo, Wyomissing PA) R Earth via KCBI 11790, 11/8 1930-2030, F (John M Wilkins, Wheat Ridge CO) Sun 11/8 2002, ancs sked 18-21 (Ed LaCrosse, Redding CA) In sept hopes to change to 4 hours on Sat night NAM local time (SCDX bc 13/8) Situation very fluid

KCBI hrd on 11790 at 1559 Sun 28/7 stating it was their first day, then svc from First Baptist Church, Dallas; slogan "National Radio of Texas" (Wendel Craighead, Prairie Village KS) Initially heavily promoted on the air was "The Radio Connexion," an hourly DX-pgm inviting calls from DXers with tips to: 1-21-434-727-00, in their strange way of rendering an ordinary phone number. The first few shows were done w/out listener input, around 1810, 1900 and 2000 but within days nothing more was heard of this; lack of response? Sometimes there was a newscast around 1800-1810, otherwise mostly C&W mx and gospel(gh)

KCBI sent QSL card thanking me for my '2nd excellent report'; very flattering but I only sent them one. KCBI is numbering their QSLs; mine is #80; other DXers have been receiving 'weird' numbers indicating that KCBI is not sending these out in consecutive numerical order (Richard A D'Angelo, Wyomissing PA) Puzzling that KCBI sounds so weak even tho I am in the area of the stn (Charles George, Dallas TX) Not really, SW stns have very poor groundwave, and you're too close for skywave (gh)

For those who have been listening to the continuing saga of Cox Cable of OKC SW relays, on World of Radio, this LN summary and update: FM cable service began in Feb w/3 channels reserved for SW relays: 88.1 for AFRTS, 90.1 for R Moscow, BBC and VOA; 91.7 for WWV time signals; latter fq quickly reassigned to non-SW use and WWV moved to 90.1, but Cox told me a few weeks ago that the relays mentd above'd begin as soon as they could build the eqp needed to switch fq automatically at pre-set times. On 88.1 I've managed to hear at various times, not only AFRTS but BBC, WWV and even WYFR! But it's been mostly silence. As of mid-Aug, 88.1 was a relay of 11790, which gives us AFRTS evenings, WYFR non-EG morns, but channel is muted during time KCBI Dallas is on, which is just as well since reception of KCBI is very bad here (tho 18/8 during R Earth pgm reception improved slightly to 'poor'). What will future bring? I just learned Cox is considering adding stereo audio from two local TV stns to the FM svc, but they'd have to drop two existing ones to do so. No final decision, but guess which svcs have lowest priority. In his Modern Electronics column, gh wrote that AFRTS is forbidden to [be] rebroadcast on the air (and I thought the VOA was too) but Cox says they have FCC approval for this mess (John Norfolk, OKCOK)

WYFR on unancd 7365 18/8 0600; ancd 7400 missing; probably another example of WYFR's incompetency (John Norfolk, OKCOK)

WMLK I get best in SSB, F arnd 1730-1810 most days; I can understand their being weak, beaming to Eu from PA (Charles George, Dallas TX) 15110v

During Sept, WRNO is running a series in French, Voix de la Louisiane w/LA mx & info, Sats 1830-19 on 15420, GMT Suns 0030 on 9852.5; produced by Pete Bergeron, program director at KRVS, public radio in Lafayette (Matt Bell, WRNO) AFRITS? AP & UPI ncr on USB feeder 10532 1900 22/7, 23433 (Mike Kitchener, Herts, WDXC Contact)

Some VOA pgm highlights for Sept: Worldwide SW Spectrum September 12 & 19 answers questions from listeners on how the sun affects propagation. Now Music USA Tue Sept 24 celebrates Bruce Springsteen's birthday (Voice)

Illegible time for World of Radio via WHUS 91.7 Storrs CT in Aug LN was Tue 6:30 pm ET (gh)

URUGUAY Interesting registration for S85 in ITU THFBS: 9680 11-21 10 kW, 9770 23-01 10 kW, 11860 21-24 10 kW, 11900 10-01 20 kW (Bob Padula, Aug ADXN)

VENEZUELA [cf INDONESIA] I cannot answer on behalf of Tor-Henrik Ekblom, who has been editing the Lam pages since long before I joined WRTH, but I suspect that official answers from bcers concerned indicated those fqs were active or would be reactivated. Again, you can ignore such things if you want, but just recently you must admit that quite a crop of old fqs have re-appeared in some countries such as Mexico. It's very easy to criticize when you are editing a bulletin ten days or so before it is read, and have actual loggings to report. For our work we need powers of clairvoyance which, frankly, I don't possess in great measure. (Andy Sennitt, WRTH, Aug WDXC Contact) & has anybody heard this one, which is also listed in the 85 WRTH? (gh) R Suceso, 9700, 1 kW at 10-04; addr Carrera 4, No. 1-35, Tariba, San Cristóbal. Other info from stns: R Táchira, 4830, 08-03; addr Ap. 37, San Cristóbal; DG is Dra. [Doctora] Dafne González-Zerpa P. LW de Carabobo Gte is Rigoberto Oropaza; R Carora 4910 09-03; DG is Guillermo Meléndez A (WRTH LA News, 30/7)

R Rumbos covering R Martí on 9660 12/7 0134-0152, SIO 343, Nice blend of ballads and fast vocals, ammts w/doorbell/chimes, IDs, // 4970. Hrd Martí ID u/Rumbos at 0146. I wonder which stn dominates channel in Cuba? (Richard A D'Angelo, Wyomissing PA) & Rumbo, Costa Rica hets Martí 6075v before 1200 (gh)

VIETNAM Bac Thai noted 18/7 1205 on 6675; 24/7 1215 on 6672; 25/7 1318-1330\* on 6685, 30/7 1155 on 6683, the last two near old home of 6680. Re previous report of possible Hoang Lien Son; rechecked 19/7 on 6713 and 5997 both at 1245; 5597 f/in and out just long enough to match them (Ed LaCrosse, Redding CA)

During DX-pedition 23/6 [see BURMA] Hanoi DS fqs in // at 1212: 6450 & 5920 both good w/W ancr in presumed VT, mly mx; on 7418 at 1241 // above 2 fqs and on 10059 at 1320 w/het & QRM from CH stn on 10060, all 4 now // but elsewhere reported 4770 3999 not noted. Following unIDs but believed Viets: 4805 or slightly lower--couldn't tell exactly due to QRM, 1225 ancr in orlang, bit of march mx to 1229\*, P w/ute QRM & def not Indo; listed Lam Dong. 6333 Son La listed, orlax, W in lang at 1223+ but badly creamed by ute; reported 4701, 4706 4713 etc variable not hrd in 4690-4720 range. No luck on any other VT fqs exc a carrier & faint audio on 6588 Lai Chau at 1245 (Paul A Routenburg, BC, CLDX)

5891 now carries Lang Son, hrd from \*1130 to 1245\*, very poor mod but ID hrd during s/on (Prodyut Banerjee, Calcutta, IDXC ADXR June) dispute this; Lang Son is still hrd elsewhere (Bruce MacGibbon, OR, 28/8)

V of Vietnam, Hanoi, 3998.5, 3/7 1355 VT HS // 6449 7418 10060; reactivated channel used some years ago (Isami Hyuga, Japan, ADXN)

YUGOSLAVIA RY on 9620 \*2114-2128\* 8/8 & 11/8 w/ F-G reception on both days. Usually RY is in the mud. Gave four wavelengths--236.4, 49.18, 41.43 and 31.18 m. After news 8/8 a feature on tourism w/iv of Norwegian tourist. 11/8 talk on Yugoslavia's non-alignment policy (Richard A D'Angelo, Wyomissing PA)

ZAMBIA R Zambia on 3346 0414-0445 in EG for the most part, 11/8 w/local vocals & some talk/ammts between sels; ocll IDs by M; lots of static; 0441 ancr mentd "coming up to the news," presumably at 0500; SIO 252 (Richard A D'Angelo, PA)

CLANDESTINE CRANNY R Martí Some really inside dope, dired from a shadowy but high-placed official in Washington: don't look for Fidel to retaliate unless the USIA goes full gonzo and buys time for VOA on Caribbean stns. My source also hinted at some rather interesting stuff concerning the technical end of R Martí's bc's, but forbade any discussion of particulars. If anyone figures it out (i.e. it turns out to be true), I'll step forward and confirm. Cloak-and-dagger junk (Christopher

Baskind, Hattiesburg MS, NRC DX News 19/8) Visiting the Florida Keys 24-25/8, R Marti's signal on 1180 seemed far too strong for the old listed VOA power of only 50 kW--perhaps it's now 100 or even more. This helps to explain the Marathon site being closed to visitors; I called them and inquired about the power in use. "I'd rather not discuss that," said the voice on the phone. Could be they've secretly installed a more powerful xmtr and edged up the power hoping no one, including the Cubans, would notice. However, the QSL form letter being sent out from Washington, signed by Acting Director Ernesto F Betancourt, and received for example by John R Tow, Pinson AL, dated 15/7, mentions the power on 1180 as 50,000 watts. All the letters I've seen claim they use 11960 at 2030-2300, while 11930 is actually used from the outset and 11960 would face terrific QRM from HCJB and al--so if he doesn't know the fqs, can he know the MW power too? I've heard 11960 even mentioned at 1730\*, but correct 11930 also given on the air at other times. Of course, no other US MW station is allowed to exceed 50 kW, but R Marti/VOA is always a special case... (gh) v VENEZ

LV del CID 9940, hrd until 0335\*v since 13/6; report on WoR 11/5 ment'd power of 1 kW but sounds like 50 to me; CID on 11680 is same xmtr as 7352 & 7400 (Cf Jun LN-30) (Ernie Behr, Ont) In late August switched to 9950 (gh)

LV de Alpha 66 on 6665, very variable, drifting up to 6669, 5/8 \*0059-0129\* w/ 10-note IS repeated 5 times, mx fanfare w/ID followed by continuous discussion abt Cuba, CAM, until 0128, then march type mx, ID and gone; SIO 353 (Richard A D'Angelo, Wyoming PA) Veried w/PFC; V/s Dr Diego Medina, who says sked is still "9-9:30 pm M/W/F" on 6666 (John Wilkins, Wheat Ridge CO, 9/8)

R Vencemos is aired at 5:30 pm [PT] Mondays as part of KPFA [Berkeley CA 94.1] 's drive-time magazine pgm "Traffic Jam" (Ron Bryant, Asst GM, KFCF 88.1 Fresno [which partially relays KPFA] 24/7 letter to Mike Hardester, Modesto CA)

R Magallanes Rec'd basic R Moscú QSL card for R Magallanes reception report in SP, v/s Patricio Martínez. No ment whatsoever of Magallanes. Should this be considered simply a RM pgm, rather than a separate cland stn? (John Wilkins, CO)

R Quince de Septiembre The Nix probably do play quince in September, "R 15 de Septiembre" most likely refers to Nic Independence Day. Won indep from Spain 15/9/1821. Holiday sometimes celebrated for days and may've influenced date of Anastasio Somoza Debayle's assassination in Paraguay on 17/9/80. Certainly fits the 'freedom fighter' theme (Cathy Moore, Madison WI)

A Voz da Verdade People seem confused about the name of the Angolan Voice of Truth, with the stn listed several ways, including Voz de Verdade and La Voz de la Verdade. Tho I haven't hrd the stn, I'll bet the name is A Voz da Verdade. The other names are mixtures of SP & PT. "Verdade" is almost always used with the article "a," [The] making "Voz de Verdade" unlikely (Cathy Moore, Madison)

R Bardai, 6009, every evening here, \*1803-2040\*; s/on in FR/vern, vy strong sigs & political talks by M & W w/tribal mx, 6/8 (Kevin K Trummel, GFR)

V of Turk Comm Party / Our Radio [Cf July LN-27] fqs from Romania & GDR were apparently interchanged; 11820 & 9585 were at Romanian site for many years, while 9500 & 5915 were always listed as GDR sites (Ernie Behr, Kenora Ont)

R Free Afghanistan is a new US-based service planned via existing facilities of RFE/RL which reach Afghanistan; will be in Dari only at first, for 15 minutes, and expand to half an hour seven days a week; begins staffing in Oct & Nov (RN MN 15/8)

V of Libyan People see SA'UDI

V Afghn Fighters, 1530-1625 in Pashtu & Dari now on 11490 & 15685, ex-11630 & 15050 (ILG via Aug WDXC Contact)

V of Communist Party of Iran, 4680, sent QSL in 60 days, no IRC! V/s A Doneshgar; QTH: OIS, Box 50040, Stockholm 10405, Sweden (Ralf Schwarz, GDR, Play-DX)

Liberation Tigers of Tamil Eelam (LTTE), another insurgent Tamil militant group, is soon to air regular pgms; I've been hearing their test xmsn for past two months in 49mb 1030-1045. When SLBC's Tamil svc leaves the air at 1029, LTTE takes up the channel. Test consists of Eelam songs, messages to LTTE army men and news and it is on the air every Tuesday. LTTE bc has not been jammed by SL authorities so far. Some reports say LTTE bcs are from hills of Madurai district. (M K S Jawahar, June IDXCI ADXR) Fq is 6150 I guess (Prodyut Banerjee, IDXCI ed.)

Tamil Eelam Liberation Organisation (TELO) is also to begin bc soon (ibid.)

V of Malayan Democracy, 6700, 23/6 1226 W in lang; wasn't there at 1210; listed as \*1215, noted // 8998 unhrd at this time, but it was tent hrd abt 1250 but not sure because of vy strong OC on 9 MHz--maybe due to rx circuitry? Sig VP at best; a VT stn used to be here but was reported to have since moved (Paul A Routenburg, BC dx-pedition, via CIDX)

V of People of Malaysia, 7072, vy tent and weak here at 1230+ 23/6 w/w in un-determined lang & SEAs flavor mx; vy difficult reception w/ham QRM; not hrd at 1315 recheck; have seen this reported in Japan on this fq but not in NAM (ibid.)

**NORTH AMERICAN PIRATES** KQRO, 7479, new 9/8 0357 pirate calling itself "The Power Stn", w/tape replays of KISM (there's a KISM-FM in Bellingham WA); has Victoria BC a-ddr, no copy; G dig to 0410\* (Ed LaCrosse, Redding CA)

KKMO Caught my first pirate tonight, IDing as KKMO-AM 1560-Stereo 96-7430 SW. Anrc claimed SW was 50 watts; playing Tequila, Ticket to Ride, Run Around Sue, and other 50s and 60s pop hits. I caught signal at 0215-0240\* 10/8. M anrc had laid-back delivery but pro sound. Didn't get addr (Charles George, Dallas TX)

**UNIDENTIFIED** 2495 Been hearing unID s/on 0255-0300 in unID lang, weak; sometimes instl IS 0255-03; lang & mx sound Af. F/out usually starts abt 0330; no stn listed on this fq in WRTH (Kenneth Hill, Somerville MA, 12/8) Not in 1985, but see previous; and MADAGASCAR this IN 3232 French stn but with EG 1745-1805, UTC +3h zone; blocked by RSA after 1845; and seems to go off after 1900 (Richard Ginbey, RNMN 15/8)

4819.9 Angola? unID 2040-2046 23/7 PT; wondering about this carrier when PT voice w/definite Af dialect f/in for a few mins, 2046 fades away & not hrd latter; poor (Chuck Bolland, Lake Worth FL) & see ANGOLA

4973 I've been hearing a new unID 'generic' stn, USB drifting to apx 4972 at my normal 0600 t/out; earliest I've hrd it is 0438; nightly since 8/8; pgmdg entirely easy listening mx, seemingly album sides, incl such mundane classics as "Smoke Gets in Your Eyes" and "Love is a Many Splendored Thing". Same songs are played on nightly basis. A M anrc (PT?) sometimes hrd in gap between songs and he's invariably caught in mid-sentence. Feel he's not affiliated w/these bcs per se as anrc, and I'm 99% certain it's not simple QRM. I'm not sure what this suggests. Wonder if there's any relation to Valko's 4942-45 unID in Aug LR-B, w/EZL & PT anmts. I can't be certain about lang I'm hearing; levels just too damn low (Nick Pappas, Orlando FL, 11/8) 4973 kHz unID 30/7 0450-0545+; mandolin & guitar instls; recognized a couple of cuts from Indios Tabajaras album ca. 1970. No spoken word in all this time. G sig this eve; also there 31/7 & 1/8 but weak & smothered in QRN (John M Wilkins, Wheat Ridge CO)

5613 at 1255 M w/orl mx, M& W w/long talk, extremely weak 13311, off at 1400 13/6 (Michael Otton, Taiwan, CIDX)

6500 Generic mx stn at 13-15 here as well as on 7400; 0000 xmsn gone (Christian Zettl, Mexico, RNMN 22/7) Probably rx image; see COSTA RICA; now on 9960 (gh)

9960 "Nat King Cole" stn hrd 10/8 0125 t/in-0200\*, as usual no spoken word; off abruptly at 0200:00; noted on 9950 a couple days earlier (John Wilkins, CO) Lig tened to stn on 9960 0125-0200 4/8; never a word, just one record after another and 20 over S9; pulled switch at 0200; hrd same stn on 9920 previous week, same M.O. (Chuck Oliver, Spring TX) \*0000 (Ed LaCrosse, Redding CA, 14/8) In his Sept Monitoring Times Pirate Radio column, John Santosuosso quotes from a letter received from the anti-Castro org Pro Libertad de Cuba referring to a previous column and giving the lyrics Nat King Cole sings and "the 7400 kHz is being kept busy with a schedule, so it is free and ready to use when it happens in Nicaragua and possibly Cuba. The musical programming may not mean much to State-side listeners, but so what?" The letter does not state that PIC is behind the xmsns (gh)

15074 2/8 2010-2030+ ME or Naf stn mx & some talk. QRM BBC 15070; also 3/8 2005-2100+ varying 15078-15081 garbled & sputtering sound on all above fqs; seems to be hrd on days Iran 15084 is also rxd; if Iran is weak or missing, so far, so is this stn (Ed LaCrosse, Redding CA)

15943.5 unID LSB feeder, 16/7 0311-0430, VG w/live cov of Australian govt official, seemingly mayor of Canberra, visiting Tahiti. Ceremony consisted of many speeches in EG, praising friendship between the two countries. EG emcee [he means compere -gh] then introed the "President of French Polynesia" who spoke in FR and briefly in Tahitian followed by much fanfare and Tahitian group singing. Entire ceremony was 'voice-over' xlted by FR M when in EG; only occly xlted by diff EG M during FR. Fqt refs given to the Pacific Festival. All this was // RFO-Papeete on 15170/11825, only half a second ahead of 15943.5. Sig began to fade by 0430 when I fell asleep. No ute Au/Pac listings in this area in my CPL or Grove books. Society Is feed to Canberra area? 'D greatly appreciate any insight from Au readers or anyone else. Hrd this night only; no ments of events on RA nx (Terry Krueger, DXSF)

**PUBLICATIONS** Union of Asian DXers is looking for new members in NAM or elsewhere, presumably those who have a serious DX interest in Asian stns. A sample copy of the bulletin is 3 IRCs by airmail and those joining subsequently can pay in \$ via a US rep and will get a 8"x5" membership certificate. UADX, Victor Goonetilleke, 32/4a Malwatte Rd, Dehiwala, Sri Lanka (UADX)

Allied Appliance & Radio, "the Rocky Mountain SW specialists" now enters the mailorder field by offering a catalog for \$1. Currently promoting the FRG-8800 for \$509.95 + \$10 UPS; also stox rx by JRC, Icom, Kenwood, Panasonic, Sony & other equipment. AA&R, 4253 S Broadway, Englewood CO 80110; (303) 761-7305 (gh)

Review of International Broadcasting, latest issue, #102 includes lengthy Listener Insights on Programming section combining country-by-country program schedules, some in advance, press clippings, listener reviews and comments; Report from Costa Rica by gh, and interviews about the VOA CR relay; BBC pgm info for Sept; the first Radio Equipment Forum edited by Loren Cox, comparing merits of different basic rx circuits; and more. Samples \$1.50, subscriptions \$18 by first class in NAM, US\$ on US bank, from Glenn Hauser, Box 490756, Ft Lauderdale FL 33349 (gh)

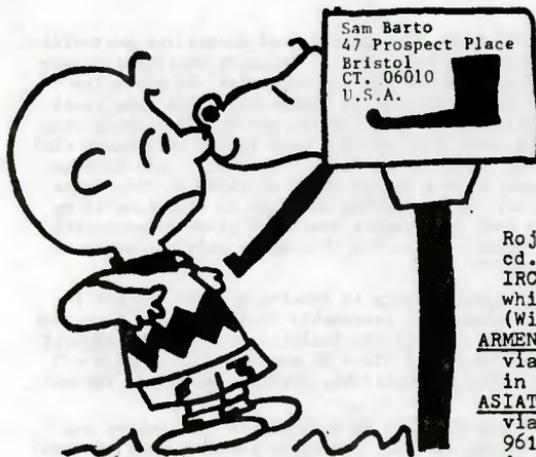
**LAST MINUTE ITEMS** ECUADOR R Federacion Sucúa has reactivated 3210, from \*1100 past 1150, mostly in SP but some QC; also on 4960 where hrd at same time strongly but mixed w/Beijing Japanese (Craig Seager, NSW, RA JP DX Time 18/8)

GALAPAGOS ISLANDS ['our Columbus archipelago'] LV de Galápagos hrd 2/8 0220\* on 4810.4 (Fredrik Dourén, SWB, Sweden) So not burned out as rumoured (gh)

INDONESIA unID on 2492, Mataram RRI listed in TBS; have noted Indo stn here several times in past month in 1130-1230 period but unable ID tho sig not too bad at times; hrd on DXpedition 23/6 1138 w/ute QRM; at about 1230 PL1-1 comes on 2490 making ID almost impossible; haven't been able to hear 3223 Mataram for a while to use as // (Paul Routenburg, Jordan River BC, via CIDX; see BURMA)

NEW ZEALAND [Cf Aug LN LMI] More on the Kiwi Radio bust, from a clipping in July NZ DX Times: Operating under a search warrant, Police and PO inspectors seized two xmtrs and other equipment from a house in Williams St to end Kiwi R's SW xmsn of rock mx. Stn, operating from Hastings most weekends since 1982, is run by Mr Graham Barclay, 26, activist in the world-wide free radio mvmt. Said bc pre-recorded rock and tapes from TX-based Rebel Radio; no political or religious material; was on air at 5:48 pm when two policemen and two radio inspectors arrived. Besides seizing equipment, tapes and correspondence were examined. Confiscated stn log book, eight cassettes, three Kiwi Radio pgm tapes for Sunday xmsn, letters and papers. Originated in Oamaru in 1972 as Idea, first on the air 5 yrs later for 5 month period. In moving to Hastings in Oct 1982, stn went mobile, being while passing thru Wellington & Christchurch on FM stereo. FM began from Hastings 23/10/82, and SW 5 days later. R Freedom was used for FM, R Star for SW, and another stn R Rachel was started, but now all known as Kiwi R. Barclay is confident he can be back on air within a month. He has been thru it before and says he has little trouble in building up new xmtrs from junked TV sets. In meantime has sent submission to forthcoming Royal Commission on BCing--wants spl fqs for hobby bcers of entertainment, info, education. A PO spoxeman could not comment at this stage if a prosecution would be brought against Mr Barclay.

Until the next, 73, gh



**ADMIRALTY ISLANDS:** Radio Manus 3315 n/d ltr. in 3 wks. for ms. (Atkins).  
**ALASKA:** KNLS 9670 cd. in 1 mo. (Berg-MA).  
**ALGERIA:** RTVA 17745 f/d cd. in 44 ds. (Yoder).  
**ARMENIAN SSR:** RAE 6060 f/d cd. w/ pennant and personal ltr. in 51 ds. v/s Sonia Rojas. (Hardester-CA). 11710 f/d cd. w/ pennant in 35 ds. for 2 IRCs. (Kacir-MI). 9690 f/d blue & white cd. in 43 ds. for 1 IRC. (Wilkins-CO). in 52 ds. (Davison)  
**ASIATIC RUSSIA:** Radio Moscow 17860 via Chita f/d cd. in 35 ds. (Plum) 9610 via Khabarovsk f/d cd. in 47 ds. (Tow).

**AUSTRALIA:** Radio Australia 6060 f/d cd. in 19 ds. (VanHorn-FL). 15395 f/d "Woodchopping" cd. in 3 wks. (Bowden). 7135 via Darwin f/d "Wattle" cd. in 1 1/2 mo. (Palmerheim-MN). 17750 f/d "Tasmanian" cd. in 23 ds. (Cones). 9580 via Shepparton cd. in 1 mo. (Berg). same in 22 ds. for 2 IRCs. (Kacir). f/d "Talkback" cd. in 23 ds. (Schulman-TN). 15320 f/d cd. in 15 ds. (Levison-PA). 17795 via Melbourne f/d cd. in 3 wks. (Bowden). 15230 f/d "Gulpillil" cd. in 6 wks. (Bowden). VW9 9610 cd. in 1 mo. (Bowden).  
**AUSTRIA:** ORF 15320, 9770 and 11935 f/d "Tirol" cd. in 2 mo. (Barto-CT). 11660 f/d cd. in 39 ds. for a GM rpt. (Levison).  
**BANGLADESH:** Radio Bangladesh 11935 f/d ltr. in 5 wks. v/s Md. Abdur Rashid, Deputy Research Engineer. (Berg).  
**BELGIUM:** BRT 5910 f/d cd. in 27 ds. (Levison). 5910 and 15590 f/d cds. in 1 mo. (Sales-IN). 5895 f/d form ltr. in 5 wks. (Barto).  
**BIAFRA:** FRCN Enugu 6025 f/d ltr. in 3 wks. for 2 IRCs. v/s Ollisa Nriagu. (Atkins-AL).  
**BOLIVIA:** Radio San Miguel 3310.5 p/d ltr. in 4 mo. for a SP rpt. (Barto-CT).  
**BRASIL:** Radio Aparecida 11856 f/d "Studio" cd. in 1 mo. for a PT rpt. and 2 IRCs. (Palmerheim). Radio Excelsior 6125 p/d cd. in 9 wk for a PT rpt. (Barto). Radio Bras 11745 f/d cd in 1 mo. (Bowden). same in 1 mo. w/ decal. (Sales). f/d "Rio Harbor" cd. in 28 ds. (Kacir)  
**BULGARIA:** Radio Sofia 9700 f/d "Bachkovo Monastery" cd. in 79 ds. (Dav-)  
**BURKINA FASO:** RTV Burkina Faso 4815 f/d ltr. in 3 mo. for a isson-OH). FR rpt. (Barto). same in 37 ds. for a PR rpt. and 2 IRCs. (VanHorn). f/d form ltr. in 59 ds. for 2 IRCs. (Hardester). in 129 ds. (Tow).  
**CANADA:** RCI 9755 f/d cd. in 22 ds. (Richards-CT). 11945 f/d cd. in 18 ds. (Lare-MI). CFCX 6005 f/d cd. in 2 wks. for ms. (Renfrew-NY).  
**CHILE:** Radio Yungay nice ltr. from Claudia Abad T., Secretaria for a 1972 \* rpt. via Moore visit. (Berg-MA).



**CHINA, PEOPLES REP. OF:** Radio Beijing 15520 f/d cd. w/ pennant in 20 ds. (Levison). same in 16 ds. w/ pennant. (Kacir). same in 18 ds. w/ sticker and pennant (VanHorn) 11600 f/d "Panda" cd. in 3 wks. (Bowden). 9730 same cd. in 2 wks. (Bowden). 11860 cd. in 1 mo. (Bowden). 9550 f/d cd. in 14 ds. (Bowden). 9535 f/d cd. in 5 wks. (Bowden). Nei Mongol PBS 7105 cd. in 2 mo. (Barto-CT).



NEWS  
MUSIC

YOUR QSL CARD FROM

**RADIO JAMAHIRIYA**

VOICE OF THE  
SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA

BROADCASTING DAILY IN ENGLISH ON 11816 Kw. 75m.  
SUNDT WAVE FROM 22 30 - 24 00 HRS. 6 M 1

COMMENTS AND REQUESTS ON HOW TO IMPROVE THIS  
BROADCAST ARE WELCOME WRITE TO:

HEAD OFFICE  
RADIO JAMAHIRIYA  
P.O. BOX 323  
TRIPOLI - LIBYA

**TNX Wilkms-co**

LIBYAN BROADCAST OFFICE  
RADIO JAMAHIRIYA  
P.O. BOX 17  
TRIPOLI - LIBYA

TARJETA DE CONFIRMACIÓN

Su informe de Radio Concordia de Arequipa es correcto. via Chris Lobdell

Fecha 2 de Enero de 1984.

Frecuencia 9580 Kilohertz.

Hora 04:49 a 05:58 a.m. (Hora Perú).

Muchas gracias por tu reportaje de recepción

Atentamente,

*Radio Concordia*  
ADMINISTRACION

CHINA (cond't): Sichuan PBS  
6059.6 f/d cd. in 2 mo.  
(Barto-CT).

CLANDESTINE: Radio Truth  
\* 5015 ltr. in 3 mo. v/s  
J. Brown. Addr: P.O.  
Box 4, Stockbridge, Hants.  
S. 020 6LB, England.  
(Berg-MA).

COLOMBIA: La Voz del Orin-  
\* oco 5935 p/d ltr. in 31  
wks. for a SP rpt. and  
1 IRC. v/s Eliecar Leon.  
(Gliksman-IL).

COSTA RICA: Radio Reloj  
6006 p/d cd. in 14 ds.  
for 1 IRC. (Schulman).

CUBA: Radio Moscow 11840 via Habana f/d cd. in 47 ds. (Tow). same in 1 mo. (Palmersheim). 6115 f/d cd. in 2 mo. (Barto). 11850 and 6140 f/d cd. w/ personal ltr. in 145 ds. (Schulman). RHC 15300 f/d cd. in 8 mo. (Bowden). 6140 f/d "Guama Tourist Center" cd. in 135 ds. (Renfrew).

CZECHOSLOVAKIA: Radio Prague 11990 f/d cd. in 1 mo. (Schulman). f/d "Lidice" cd. in 1 mo. (Levison). 9605 and 11990 f/d cd. in 1 mo. (Bowden).

DENMARK: Radio Denmark 15165 f/d "Anthem" cd. in 40 ds. (Renfrew-NY).

DOMINICAN REPUBLIC: Radio Earth 11700 via Radio Clarin large cd. via Jeff White at ANARC for a phoned in rpt. of 11/84. (Craighead-KS).

ECUADOR: HD210A 7600 p/d cd. w/ ltr. and sticker in 3 mo. for a SP rpt. & ms. v/s Victor Yopez Valarezo, Teniente de Fragata. (Nieskamp-MN). f/d "Sundial" cd. in 88 ds. for a SP rpt. and 2 IRCs. (Richards). same in 82 ds. for an EG rpt. (Schulman). HCJB 17790 f/d "Transportation" cd. in 3 mo. (Schulman).

EGYPT: Radio Cairo 9475 f/d cd. in 34 ds. (Tow).

EL SALVADOR: Radio El Salvador 9553 ltr. in 7 mo. for a SP rpt. v/s Luis Aparicio, Director en Funciones. (Berg).

ENGLAND: RCI 7155 via Davertry f/d cd. w/ personal ltr. in 19 ds. (Schulman) 7260 f/d cd. in 10 ds. for ms. (Renfrew). BBC 7260 n/d cd. in 15 ds. (Renfrew). VOA 9760 via Woolferton f/d cd. in 8 ds. (Tow).

EUROPEAN RUSSIA: Radio Moscow 15100 via Moscow f/d cd. in 1 mo. (Palmersheim). same in 47 ds. (Tow). 9530 f/d cd. in 1 mo. (VanHorn). 15425 cd. in 23 ds. (VanHorn).

FRENCH GUIANA: RFI 9800 via Montsinery f/d "Logo" cd. in 2 mo. for 1 IRC. (Palmersheim). same in 50 ds. for a FR rpt. and 1 IRC. (Cones). in 44 ds. for 1 IRC. (Wilkins).

GABON: Africa No. 1 4810 p/d cd. in 4 wks. for a FR rpt. and 2 IRCs. (Atkins-AL).

GERMAN DEMOCRATIC REP: RBI 6125 f/d cd. in 9 wks. (Barto).

GERMANY, FEDERAL REP. OF: Sudwestfunk 7265 f/d cd. in 77 ds. (Tow).

GREECE: Voice of Greece 9420 p/d personal ltr. in Greek in 32 ds. for 2 IRCs. (Kacir). (Bowden-CA).

GUAM: KTWR 9590 f/d cd. in 3 wks.

GUINEA BISSAU: Radio Nacional 5475 f/d cd. w/ wrong freq. in 3 mo. for a PT rpt. and ms. (Atkins).

HAITI: Radio 4VEH 4930 n/d ltr. in 90 ds. for 2 IRCs. (Renfrew).

HOLLAND: Radio Nederland 9895 via Flevo f/d cd. in 30 ds. (Cones). same in 25 ds. w/ sticker. (VanHorn) same in 29 ds. (Schulman).



via Chris Lobdell

Estimado Christopher;

Lo saludamos cordialmente y a la vez le pedimos disculpas por la demora en el envío de la presente, razones de fuerza mayor nos impidieron escribirle con anterioridad.

Como Ud. comprenderá son mí los los auditores de la Radio que nos escriben, razón por la cual se agotaron por ahora los llaveros; pero en su lugar le enviamos la calcomanía de la Emisora, que esperamos sea de su agrado.

Con la amistad de siempre;

RADIO CONCORDIA

*Radio Concordia*  
ADMINISTRACION

**RADIO MALAYSIA KOTA KINABALU, SARAWAK**

Kota Kinabalu, 18th February, 1985

STAMP

Dear Sir,

Your reception report on our transmission on 4970 KHZ/MHZ

on 21st January, 1985, is hereby acknowledged and confirmed.

Yours faithfully,

*Ramli*  
Director of Broadcasting,  
Radio Malaysia Kota Kinabalu,  
Sabah, Malaysia.

Edward Kusalik,  
2117 -10 Street "A"  
Coaldale, Alberta  
Tok 010, CANADA.

**HONDURAS:** Radio Lux 4890 f/d prepared cd. in 1 mo. for a SP rpt. & \$1.00. v/s Raul E. Chavarria. (Palmerheim). Radio Luz v Vida 3250 f/d form ltr. in 7½ mo. for an EG rpt. v/s Donald Moore. (Palmerheim). f/d ltr. in 45 ds. for 1 IRC. (Paszkievicz-WI). same in 124 ds. for ms. (Wilkins). HRVC 4820 p/d cd. in 18 ds. for a SP rpt. (Schulman).

**HUNGARY:** Radio Budapest 6025 f/d cd. in 57 ds. (Levison). 9520 same in 46 ds. (Schulman).

**ICELAND:** ISBS 13797 f/d "Thingvellir" cd. in 214 ds. for 2 IRCs. (Forsgren).  
**INDIA:** AIR Hyderabad 4800 f/d "Gateway of India" cd. in 5 mo. (Bishop-PHIL).  
**IRAN:** IRIB 9022 p/d cd. in 110 ds. for 2 IRCs. (Renfrew).  
**ISRAEL:** IBA 7140 and 9440 f/d cd. in 2 mo. (Sales-IN).  
**ITALY:** RAI 11800 f/d cd. in 6 mo. for 1 IRC. (Richards).

**JAPAN:** NSB 6055 and 9595 f/d "Super Wave" cd. in 3 wks. (Bowden). RCI 9595 via NSB f/d cd. in 12 ds. (Craighead).  
Radio Japan 9505 f/d cd. w/ scarf in 17 ds. (Tow). JJY 8000 f/d cd. in 17 ds. (Tow). (Wilkins).

**KIRZHIZ SSR:** Radio Moscow 15175 via Frunze f/d cd. in 27 ds.  
**KOREA, REPUBLIC OF:** Radio Korea 7275 f/d "Olympic" cd. in 35 ds. (Hardester). 9750 "Skyline" cd. in 25 ds. for 1 IRC (Gurley-TX). 15575 f/d cd. w/ pennant in 1 mo. (Yoder). 7275 and 6135 f/d cd. in 1 mo. (Bowden).

**KUWAIT:** Radio Kuwait 15345 f/d cd. in 3 mo. (Barto-CT).

**LESOTHO:** LNBS 4800 "Map" cd. in 1 mo. for ms. (Atkins).

**LIBERIA:** VCA 15600 f/d cd. in 8 ds. (Tow).

**LITHUANIAN SSR:** Radio Vilnius 15240 f/d cd. in 148 ds. (Levison).

**LUXEMBOURG:** Radio Luxembourg 6090 f/d "Antenna" cd. in 7 mo. for 2 IRCs. (Lare-MI).

**MALI:** Radio Mali 4783 f/d cd. in 12 wks. for a FR rpt. and ms. (Atkins). 4783 and 5995 f/d "Map" cd. in 58 ds. for a FR rpt. (Tow).

**MALTA:** IBRA Radio 9510 f/d cd. w/ pennant in 65 ds. for 1 IRC (Richards). same in 120 ds. for ms. (Renfrew). f/d cd. in 69 ds. for ms. (Wilkins-CO).

**MAURITIUS:** MBC 4855 p/d cd. in 2 mo. (Bishop-PHIL). 9709.5 p/d cd. in 3 wks. for ms. (Atkins).

**MEXICO:** XEW 9515 p/d cd. w/ ltr. and pennant in 17 mo. for a SP rpt. and ms. v/s Eduardo Guerrero H., Director. (Niekamp).  
\* form ltr. w/ certificate in 32 wks. for a SP rpt. and 1 IRC. Pennant rcvd. via registered mail. (Gliksman). 15160 ltr. w/ pennant in 2 yrs. for a SP rpt. (VanHorn). 6165 and 15176.4 n/d ltr. w/ pennant in 7 mo. for a SP rpt. (Barto). 6165 ltr. w/ pennant rcvd. v/s Srta. Alicia Solano Miranda, Relaciones Publicas. (Berg). Radio Mexico 9705 p/d cd. in 7 mo. for a SP rpt. and ms. (Niekamp-MN).

**MONTSERRAT:** Deutsche Welle personal ltr. in 23 ds. v/s H. Wiegmann. (Schulman-BN).

**NEW BRITAIN:** Radio East New Britain 3385 f/d cd. in 8 wks. for ms. (Atkins).

**NEWFOUNDLAND:** CKZN 6160 f/d cd. w/ button in 2 mo. for ms. (Renfrew).

**NEW ZEALAND:** Radio New Zealand 15150 f/d cd. in 2 wks. for 2 IRCs. (Renfrew). 17705 f/d cd. in 2 wks. (Bowden-CA).



P.C. SHARMA,  
ASSISTANT COMMISSIONER



श्री: अश्वनिनी  
Telegram: AKASHANI

श्री: अश्वनिनी  
GOVERNMENT OF INDIA  
ALL INDIA RADIO, BHOPAL-482002

Telephone: 72251  
72252  
72253

व्यं./No./BPL -3(5)/85-2 (E57)

R./Dated... 14/4/1985

Dear Mr. Kusalik,

I am in receipt of your reception report dated 3rd Feb. 1985. The fact that you have really monitored All India Radio Bhopal between 1935 to 2002 hours on 6.2.82 is confirmed.

It seems your earlier report has really been lost some where.

Thank you very much for listening our programmes. I hope you will continue to send us reception Report as and when you are able to monitor this station.



# RADIO BANDERANTES

**NIGERIA: FRCN**  
6050 via Iba-  
dan p/d form  
ltr. in 54 ds  
for 2 IRCs.  
(Harvester).

**NORWAY: RNI 9590**  
9605, 11865,  
15305 and  
15310 f/d cd.  
in 5 wks.  
(Bowden-CA).

**PAKISTAN: Radio**  
Pakistan  
17660 f/d cd.  
in 3 wks. for  
2 IRCs. (At-  
kins-AL).

**PAPUA NEW GUINEA:**  
\* Radio Enga  
2410 p/d per-

sonal ltr. in 50 ds. v/s John Eggins. (Forsgren). p/d ltr. in 7 wks. v/s Lloyd Guvil, Station Technician. (Bishop). Radio Gulf 3245 cd. w/ ltr. in 6 wks. v/s Daniel K. Mailau, Assistant Station Manager. (Bishop).

**PARAGUAY: Radio Nacional** 9735 p/d form ltr. in 14 wks. for 2 IRCs. (Schul-

**PERU: Radio Tacna** 6562.6 f/d ltr. in 6 wks. for a SP rpt. v/s Ing. Alfonso Caceres C., Sub-Gerente. (Barto-CT). Radio Pucallpa 6155 prepared cd. w/ ltr. and key chain - bottle opener in 6 mo. for a SP rpt. v/s Melita Z. de Dellepiane, Administradora. (Berg). Radio Ancash

4990 ltr. via Moore visit. v/s Giovanni Moreno, Gerente Financiero. (Berg).

\* Radio Chota 6296 postcard QSL via Moore visit. v/s Mauro Vasquez Gonzalez, Director Gerente. (Berg). Radio San Juan de Chota 5274 postcard verie via Moore

visit. v/s Raul Rivera Burga, Proprietario Gerente. (Berg). Radio Chanchamayo 4895 prepared cd. w/ business cd. in 4 mo. for a SP rpt. v/s Augusto Espejo Portocarrero, Director Gerente. (Berg).

**NOTE:** I believe I can speak for DXers such as Mr. Berg and many others who would like to thank the great efforts of our

friend (and mine) Don Moore. Don has been traveling South America for quite a while visiting stations and obtaining QSLs for many of us. I certainly hope that ANARC takes note of this achievement especially when the various awards are issued in Montreal in 1986...Sam.

**POLAND: Radio Polonia** 15120 f/d cd. in 38 ds. (Schulman). 7270 f/d cd. in 43 ds. w/ sticker. (Henschen-IN). same in 90 ds. (Cones-VA). (Davisson).

**ROMANIA: Radio Bucharest** 9690 f/d "Prince of Moldavia" cd. in 104 ds.

**SARAWAK: Radio Malaysia** 6060 via Miri f/d cd. w/ site for a taped rpt. in 1 mo. (Berg).

**SOLOMON ISLANDS: SIBC** 5020 f/d cd. in 21 ds. for 1 IRC. (Harvester).

**SOUTH AFRICA: Radio Lotus** 4835 ltr. w/ zippered bag in 1 mo. (Craig-head-KS).

**SPAIN: REE** 5970 f/d "Castillo de Santa Catalina" cd. in 6 wks. (Bowden). 6125 same cd. in 5 wks. (Bowden). cd. in 62 ds. (Davisson) 11880 cd. in 34 ds. (Levison) 15365, 9360, 9630, 6125 and 11880 cd. in 2 wks. (Bowden).

**SRI LANKA: Deutsche Welle** f/d cd. w/ site in 2 mo. (Berg).



**Radio Macarena**  
VILLAVICENCIO



CERTIFICADO DE Sintonia

Nombre: VERDEK. CRAIGHEAD  
Ciudad: Frairie Village, Kansas  
Frecuencia: 5.975 Mcs. Potencia: 5.000 W.  
Fecha y hora de recepción: Diciembre 13 de 1985  
04:17 - 04:49 A.M. Hora Poligoniana.

Hemos comprobado sus detalles de frecuencia y confirmamos que la emisora sintonizada es Radio Macarena



In the spirit of WDXFY 73  
A Special Edition of the




**CLUB ONDES COURTES DE**  
**RADIO-CANADA**  
**SHORT WAVE CLUB**

Q S L      Q S L

Dedicated to the

**World DX**  
handicapped aid campaign



NOV. 2/3, 1974






SUDAN: Radio Cmdurman 5039 n/d personal ltr. in 68 ds.(Tow).  
SWEDEN: RSI 9845 f/d cd. in 6 wks.(Sales). 11705 f/d cd.  
 in 1 mo.(Bowden). f/d "Solvesborg" cd. in 2 wks.  
 (Renfrew).

SWITZERLAND: ICRC Radio f/d "Globe" cd. w/ sticker  
 in 41 ds. for 1 IRC.(Hardester). 11870 p/d cd.  
 in 2 mo. for 1 IRC.(Craighead-KS).

TADZHIK SSR: Radio Moscow 15220 via Dushanbe f/d cd.  
 in 35 ds.(Plum-NJ).

TAIWAN: WYER via YOFC 15055 f/d cd. in 39 ds.(Hardester).

TUNISIA: RTVT 15225 f/d ltr. in FR for an EG rpt. in 79 ds.

TURKEY: Voice of Turkey 11750 f/d "Santa Claus"  
 (Tow-AL).  
 "Claus" cd. w/ pennant in 1 mo.(Yoder). 9560 f/d "Topkapi"  
 cd. w/ sticker in 31 ds. for 2 IRCs.(Kacir).

UKRAINIAN SSR: Radio Moscow 7165 via Kiev f/d cd. in 2 mo.(Barto)  
 7195 and 15455 via Simferopol f/d cd. in 2 mo.(Barto). 13660  
 f/d cd. in 47 ds.(Tow). 15450 f/d cd. in 47 ds.(Tow). 7335 and  
 15135 via Lvov f/d cd. in 2 mo.(Barto). 9760 f/d cd. in 47 ds.  
 (Tow). 9720, 11730 and 11850 via Vinnitsa f/d cd. in 47 ds.(Tow).  
 11860 cd. in 28 ds.(Tow). 15470 f/d cd. in 47 ds.(Tow).

UNITED ARAB EMIRATES: UAE Radio Dubai 9595 f/d folder cd. in 1 mo.(Pamersheim). 7310, 9695 and 11730 f/d cd. in 7 wks.(Barto).

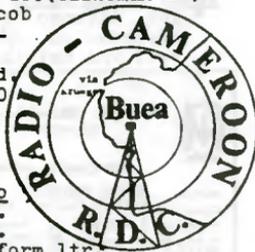
USA: KCBI 11790 f/d "Great Circle Map" cd. in 13 ds. for ms.(Muzyka-NY).  
 same in 9 ds. for ms.(Levison). in 16 ds. for ms.(Tow). f/d cd. in 10  
 ds. for ms.(Renfrew). same in 6 ds.(Hinnov-NJ). in 11 ds. for ms.(Hard-  
 ester). f/d cd. in 2 wks.(Sgrulletta-NY). cd. in 8 ds.(Gliksman-IL).

\* WMLK 15110 n/d ltr. in 10 ds. for ms. v/s Elder Jacob  
 O. Meyers.(Gliksman). n/d form ltr. in 3 wks.(Sgru-  
 lletta). same in 1 mo.(Berg). 15160 n/d ltr. in 13  
 ds. for ms.(Tow). United Nations Radio 15125 f/d cd.  
 in 5 ds.(Richards). 10454, 15120, 18782.5 and 21710  
 via Greenville f/d cd. in 2 wks.(Barto). WRNO 6185  
 f/d cd. in 1 mo.(Bowden). 7355 f/d cd. in 3 wks.  
 (Bowden). same in 10 ds. w/ sticker.(Hazel-NY).

YOFC 5985 via WYER f/d cd in 24 ds.(Dillon-MD). in  
 18 ds. for a CH rpt.(Levison). VOA 15375 via Delano  
 cd. in 8 ds.(Tow). 6040 and 9540 via Dixon f/d cds.  
 in 9 ds.(Tow). KGEI 15280 f/d cd. in 40 ds. for ms.  
 (Renfrew). Radio Marti via VOA 9660 and 11815 n/d form ltr.

\* in 3 wks. v/s Fran Masterman, Management Assistant.(Palmerheim-MN).  
 9660 n/d ltr. in 1 mo. for ms.(Renfrew). same in 2 wks.(Niekamp). n/d  
 ltr. from Thomas Warden, Deputy Chief of Technical Operations.(Berg).  
 11815 via Greenville n/d ltr. in 44 ds. for ms.(Wilkins).

USA(Pirate): Secret Mountain Laboratory 7435 f/d ltr. in 70 ds. for ms.  
 100 watts.(Gavaras-MN). same in 58 ds. for 3 ms.(Richards). Radio Nova  
 International 7428 f/d "Ship" cd. in 20 ds. for 3 ms.(Gavaras). Zepp-  
 lin Radio Worldwide 7430 f/d cd. in 20 ds. for 3 ms. 120 watts.(Gavaras-  
 as). 7425 cd. w/ ltr. and bookmark in 1 mo.(Berg). Voice of Tomorrow  
 6240 f/d cd. in 8 mo.(Berg).



**LRA 36**

via Don Hosmer  
**RADIO NACIONAL**  
**"ARCANGEL SAN GABRIEL"**

BASE DE EJERCITO "ESPERANZA"  
 ANTARTIDA ARGENTINA

Lat 63° 24 Sur      Confirmo sus datos  
 Long 56° 59 Oeste      de fecha: 12 Set 82

FRECUENCIA:  
 6030 - 11955 - 15476 Khz

Apartado Postal 9411  
**BUENOS AIRES**

**REPUBLICA ARGENTINA**



SELD HORIZONTE - MG - BRASIL

**PRH-6 RADIO GUARANI - BRASIL**  
BROADCASTING STATION



DBC "DIÁRIOS E EMISSORAS ASSOCIADAS" NETWORK  
 QTH - Lat 19° 56' S — Long 43° 57' W  
 QDU - 0200 - 2200 GMT  
 QRG - 6175 Kcs 1340 Kc/s, BE 3 Mc/s CM 4 TV  
 PWR - 10 KW, 55 KW, 950 W 10 KW  
 ANT - λ/2 single dipole 30° NE vertical

TO \_\_\_\_\_

TKS UR QSL ES RPRT OUR BDCY CF.....

USA (Pirate): Voice of Nature  
7420 paper cd. in 5 wks.  
station a/k/a Radio Woodland International. (Berg).  
WKUE 7425 n/d form ltr. in  
137 ds. for 3 ms. (Richards)  
same in 5 mo. (Berg). 7435  
p/d ltr. in 172 ds. for 3  
ms. (Yoder). Voice of Venus  
7435 f/d ltr. in 147 ds.  
for 3 ms. (Yoder). Tangerine  
Radio 7421 f/d cd. in 1 mo.  
for 3 ms. 20 watts! (Yoder).  
KNBS 7434 f/d green cd. in  
2 mo. for ms. (Palmerheim).  
Radio USA 7430 f/d cd. in  
2 mo. for ms. paper pennant  
rcvd. (Talbot). WWW 1620 f/d  
cd. in 53 ds. for 3 ms.  
(Yoder). Radio Woodland  
International 7435 f/d form

ltr. in 1 mo. for ms. (Palmerheim). Razorback Radio 7435 f/d cd. in 4 1/2  
mo. for ms. (Palmerheim).  
USSR: Radio Moscow 17860 cd. in 42 ds. (Levison). 11755 cd. in 1 mo. (Bow-  
den). 4060 cd. in 3 mo. (Barto). 11710 cd. in 1 mo. (Bowden). 13680 cd.  
w/ form ltr. in 38 ds. (Schulman).  
VATICAN: Radio Vatican 11740 f/d "Leo XII" cd. in 1 mo. (Bowden). 15405 f/d  
"St. Peters Square" cd. in 6 wks. (Bowden). 6075 f/d cd. in 10 wks.  
(Sales). 9605 cd. in 7 wks. (Bowden). 11955 f/d cd. in 2 wks. (Bowden).  
VENEZUELA: Radio Turismo 6180 p/d cd. w/ sticker in 75 ds. for a SP rpt.  
and ms. v/s Guillermo Bracamonte, Director. (Niekamp). Radio Capital  
4850 f/d cd. in 5 wks. for  
a SP rpt. v/s Manuel Correa,  
Gerente de Produccion. Very  
large sticker rcvd. (Gliks-  
man).  
WEST BERLIN: RIAS 6005 f/d cd.  
in 23 ds. (Tow).  
YEMEN PDR: Aden 6005 f/d "Ant-  
enna" cd. in 4 mo. for 2  
IRCs. v/s Abdulla N. Yeslam.  
(Atkins).  
YUGOSLAVIA: Radio Yugoslavia  
9620 f/d "Seacoast" cd. in  
163 ds. (Richards).  
ZAIRE: Radio Lubumbashi 7205  
\* ltr. for a FR rpt. including  
a taped rpt. v/s Bebe Besh-  
elemu, Directeur Regional.  
\* (Berg). Radio Mbuij-Mayi  
7295 p/d ltr. in 7 mo. for  
a FR rpt. from 10 yrs. ago.  
(Barto).

Till next time best of DX....

Sure hope conditions improve  
as they were extremely poor  
this summer....Sam.

*Sam*



## RADIO CLANDESTINE

MR. R. D'ANGELO

DEAR SHORTWAVE LISTENER:

Thank you very much for your recent  
reception report which I am pleased to verify as  
accurate.

We here at RADIO CLANDESTINE are always  
happy to hear from our listeners. I am sincerely  
interested in your comments and suggestions.

I am truly sorry I am unable to answer your  
letter personally. This is due to the tremendous  
amount of mail we are receiving. However, be assured  
that I do read ALL my mail personally.

I hereby confirm our transmission dated  
Maye 3rd 84 at 230 hours GMT on 11830 Kcs.  
For security reasons, no other information can be given.

Thank you again for your interest in our  
station and I hope to hear from you again soon.

73 for now.

*R. F. Burns*

R. F. BURNS,

# SCOREBOARD

JERRY A. LINEBACK, Editor  
115 WILKINSON  
CONROE, TX 77304

SEPTEMBER 1985

Greetings and welcome to Scoreboard. This month the Spotlight is on South America. Remember, C/V = countries heard, C/V = countries verified. All counts by the NASMA Radio Countries list and rules. Next deadline is 15 November for the December PREMIX. The Spotlight then will return to the top of the list, to Africa. You must update your totals at least once a year or your name will be removed from scoreboard. To be reinstated, please send a card with your totals, even if there is no change. Many thanks to all who share their totals with us. We invite all others to share their totals through Scoreboard.

Name, state	Total					Name, state	Total				
	C/V	C/V	C/V	C/V	QSL		C/V	C/V	C/V	C/V	QSL
James Young, CA	230	220	14	15	Galapagos	John R. Tow, AL	180	142	13	9	Falklands
John Tuschcherer, WI	229	15	15	15	Qollasuyo	Budley Green, VA	180	8	13		
Sam Barta, CT	227	217	15	14	R Centro	Lin Robertson, CA	177	150	15	14	Falklands
Bob Padula, Aust.	223	217	14	14	Buenos Aires	Nelson George, NC	177	140	15	9	Abraon
Bryan Clark, ME	219	203	15	15	EPATO	Walter Kuma, PA	177	102	15	5	ERS Surinam
Malin Field, MI	218	217	15	15	Apintie	John Meyer, WI	175	130	11	5	Apintie
Jerry Berg, MA	218	216	15	15	R Teleco	Christon Rigas, IL	174	147	14	15	Falklands
Tom Williamson, Ont.	217	202	15	15	Falklands	Rick Kraevien, FL	174	134	13	6	
Gerald Bishop, Phil.	214	182	15	15	HCJB 100M	Bob McCoy	174	85	15	7	R. Americas
Tom Gavarras, MN	213	203	15	15	Galapagos	Ken Cobb, ME	172	128	14	7	HCJB 26020
Al Miller, OH	212	204	15	14	Galapagos	Michael Schmitz, FRG	171	136			
Terry Krueger, FL	212	139	15	12	Chile	Don Sommer, WI	169	127	14	8	Falklands
Victor Jear, Quebec	209	4				Morley Kirkland, Ont.	168	152			
William Flynn, CA	207	196	15	14	R Apintie	Bob Streeter, WI	167	127			
Larry Abraham, MI	206	191	15	15	Galapagos	Gayle Van Horn, FL	166	123	13	10	Los Andes
Robert Wilkner, FL	205	145	14	14	Argentine Annie	Tom Laskowski, MI	165	122	14	9	HCJB 26020
John Sgrulliete, NY	204	204	14	14	Falklands	Pasquale V. DiBianco, ME	165	111			
Mike Mikolich, IL	203	159	15	11	FINS	Ray Forsgren, WI	163	94	13	11	Expectador
Paul Buer, FL	202	187	14	13	Apintie	Norman Bobb, MN	161	1	15		
Brett Saylor, PA	202	119	15	11	Falklands	Dan Miller, WI	160	23	15	1	R Mac Bolivia
Henry Lazarus, LA	200	196	15	15	21 de Dic.	David Jones, VA	159	137			
C. J. Orsbar, CA	200	191	15	15	Falklands	Dave Maxfield, MI	158	14			
Ron Howard, CA	184	14	14	14	R. Mec	Baxter Hensley, TX	156	141	10	7	Surinam
Steve Reinstein, FL	200	165	15	14	Bambamarca	Charles R. Foxz, Jr., VA	153	129			
Vladimir Cucura, PA	200	107	15	8	Apintie	Austin Kelly, IL	152	121	14	12	HCJB 26020
Terry Palmerstein, MN	196	162	13	12	Expectador	Peter Tutak, NJ	151	111	13	8	Atlantide
C. Vernon Nyson, NC	195	176	15	14	Expectador	Sheryl Paszkiewicz, WI	149	122	13	11	Expectador
Kevin M. Snot, CA	193	40	15			William Flum, NJ	149	108	14	9	HCJB 26020
Richard Davis, CO	192	175	15	15	Falklands	Ken Loh, CA	147	109	13	8	
Robert J. Vance, FRG	192	174	14	14	Galapagos	Nolan Stephany, NY	145	127	15	11	Apintie
Henry Ward, Que.	190	167	14	12	Druguay	George Link, CA	143	111			
Del Swaringsen, NC	189	160	15	12	Expectador	Robert L. Woods, VA	136	43	13	3	Chile
David Pyle, FL	188	171	15	14	Madre de Dios	Greg Hart, FL	134	75	12	6	R. Bahia
Stephen Leite, MA	187	159	15	14	Galapagos	John Noonan, IL	132	96	16	7	LV del Napo
Mike Hardester, CA	186	172	15	13	Fr. Guiana	James Smallwood, FRG	131	106			
Steven Laro, MI	186	142	15	8	Falklands	Boris Benkovich, B.C.	130	82	13	5	ERS Surinam
Jerry A. Lineback, TX	186	106	14	11	Maranhao	Peter M. Dillon, MD	128	86	10	7	R Saracay
John Bryant, OK	182	141	14	6	Apintie	Jerry L. Green, TN	126	95	10	6	R Mac Paragu
Harold Cones, VA	181	155				Tom Daly, NY	125	30	11	1	Esuador
Gordon Blom, NY	181	150	14	13	Galapagos	David Hetsel, WI	123	85	13	7	Falklands
Gene Purdus, MI	123	84	11	3	RAE	E. M. Church, VT	81	50	6	6	Brazil
Jim Renfrew, NY	123	57	12	4	Guyana	Michael Monaco, NY	79	55	7	3	YVTO
Fr. John Eckert, PA	114	34	11	4		Allan Schlaught, WI	79	59	4	3	Chile
Bob Gunderson, MN	113	62	10	5	Surinam	Rob Bobkovich, IL	77	57			
Keiichi Kondo, Japan	111	73				Ronald Purdus, MN	77	43			
Joe Kremer, SC	108	57	11	4	HCJB 26020	Andrew Wertheimer, MN	76	41	7	2	EDYAO Ecu.
Joe Talbot, Alberta	105	89	5	4	YVTO	Bob Nagel, PA	74	60	7	5	VoChile
Joe Polchlopek, VA	104	71	8	4	Argentine	Ted Gurlay, TX	74	46			
Louis Sios, Jr., NJ	104	35	8	4	LOI Argentine	Thomas Ross, IL	73	61	6	4	R Teahira
Sam Sanchez, CA	104	1	10			Pedro Basel, NY	57	5			
Joe Talbert	103	89	5	5	Falkland	Joe Freeborn, MD	53	43			
Kenneth Hill, MA	103	54	9	3	HCJB	Norman Drew, B.C.	51	32			
Harold Levinson, PA	101	61				Nike Magick, AZ	50	37			
Bill Thim, CT	100	74				Robert Tomko, NJ	48	38	3	3	HCJB
Peter Giacopelli, NY	98	86	6	5	R. Braa	Vivienne Sales, IN	35	26	3	3	
Chiro Maruo, Japan	96	77									
Dustin Braun, MD	91	24	11	2	HCJB						
Jean-Pierre Carwan, PA	90	58	6	3	RAE						
Richard Cassidy, IN	89	72	8	3	Falklands						
Bill Dye, AR	88	59	6	4	Esuador						
Jackie Cole, CO	82	61	8	5	R Mac Chile						

Thanks again to all who shared their totals with Scoreboard. Remember the next deadline is 15 November when the Spotlight will be on Africa. Please share your totals with us through the NASMA Scoreboard. 73a from JAL

# update

September 1985\*\*\*Number 194

Tom Alleman  
636 E. 74th Terr.  
Kansas City, MO 64131 USA  
(816) 523-7292 7-10 pm only

UPCOMING DEADLINES: 10 Sept (Mid-Sept) 20 September (October) 10 October (Mid-Oct)

Reproduction permitted. Credit original reporter and NASWA UPDATE. Dates, times and days GMT. Freqs kHz.

\*\*\*\*\*

ANGOLA Em. Reg. do Huambo, 5060, heard at 2305\* after anthem on 7-27 for the first time since 7-3; again the following evening but not since. The station on 4820 reported as R. Nac., Lubango, also appears from time to time from around 2130 till 2305\*; usually fair to good. The gypsy that wanders from 4932 to 4950 and all points between is also noted most late most late afternoons after 2130 or so; often builds to quite strong level, but xmtr problems are obvious just from the unstable BFO note. (Bob Hill, MA)

AUSTRALIA VLW9, Perth, 9610, in EG 1210; fair. W w/ full ID and radio drama. (Tom Daly, NY 8-4)

BRAZIL Radiobras, 11745, in EG 0227-49; good. Brazilian folklore prgm, pop mx and ID. (Jackie Cole, CO 8-9)

CLANDESTINE LV de Alpha 66, 6665-68, in SP \*0059-0129\*; good. Ten note IS repeated five times, musical fanfare, M w/ "LV del Alpha 66" ID. Continuous discussion about Cuba and Central America to 0128 when march mx and ID. Freq subject to drift...intentionally? (Richard D'Angelo, PA 8-5)

EGYPT Cairo's General Arabic Program is powerful on new 7125 around 0400 and later. First noted 8-1. A probable spur of 9805 has been heard twice on 9125 in FR; fair strength with FAX QRM. (Hill, MA)

GUYANA GBC, 5950, in EG 0506-37; good. On late this night due to death of President. Frequent mentions of sympathy/sorrow from management and staff of GBC and Guyana Agricultural and Industrial Development Bank. Somber music between annmcs (condolences). (D'Angelo, PA 8-11)

HUNGARY Budapest, 6025, in SP 2155. IS and s/on to Europe. Also on 11910. (Daly, NY 7-21) +++RB, 11675, in EG 0030-36; fair. WWII commentary, ID. (Cole, CO 8-9)

INDONESIA RRI Programa Nasional, 4775, tuned at 2203 and heard with odd chanting followed by pop vocals and orchestral mx; annr unreadable but sounding like tape played at half speed! "Love Ambon" played several times at 2258; into presumed news at 2300. Very weak at first; fair by 2300. (Hill, MA 8-6)

IRAQ Baghdad, 9610, in EG 2100; fair-good. W w/ talk about help for handicapped followed by ME mx. (Daly, NY 7-27)

MALAYSIA On 5965, RTM, Kuala Lumpur, fair around 1030 with Koran chants, then lagu melayu and Arab-style romantic vocal; annmcs in Malay by W. Also heard on dual 9515, which was not as strong. (Hill, MA 8-11)

MOZAMBIQUE The station on 4737 that I reported as presumably Angola is in fact Maputo, observed parallel 3338 around 0430 in PT. What fooled me is the very late sign off (0110\*) when first heard 7-23. Since that date, has been closing at normal 2215 whenever noted. The 7112 and 9618 outlets are also active again, at least intermittently. (Hill, MA)

NAMIBIA Windhoek, 3270, at 0034. EzL pop mx. Also on 3295. Both fair. (Daly, NY 7-25)

NIGERIA Kaduna, 4770, in EG 0430. Drum IS, choral singing, M w/ s/on annmct followed by M chanting and long prayer. Best signal ever and other Africans also good. (Daly, NY 7-21)

PAKISTAN In Bob Hill's item on Pakistan in August I transposed the freq numbers. As Bob reminded me, the correct freq is 15605. Sorry. tba

SAUDI ARABIA BSKSA has moved from 5873v to 5885, where it now closes at 2100 instead of former 2300; usually weak to fair. (Hill, MA 8-12)

SOUTH AFRICA R. Orion, 3250, in EG 0110; poor. News about SAfr violence followed by Sonny & Cher, "The Beat Goes On." (Life's little ironies . . . tba) (Daly, NY 7-25)

+++Capital Radio, 3930, in EG 0445-56; fair-poor. Rock mx, ad string for a series of local products and services. Brief annmcs, IDs, local TCs. Nx by W at 0500 retune. (D'Angelo, PA 8-11)

SUDAN Omdurman, 5039, in AR 0358; poor. IS, s/on, time pips 0400, M chanting. QRM. Faded by 0440. (Daly, NY 7-20)

NASWA UPDATE/September 1985-----2

SYRIA Damascus, 12085, in EG 2027-2104\*: good, RTTY QRM. Mid-east mx. W at 2030: "And now a profile...a weekly program b'cast by Radio Damascus." 2037 into EG lyric pop song till nx at 2102. ID at s/off: "This is Radio Damascus, the broadcasting service of the Syrian Arab Republic. No 17825 this day but heard there 8-10. (D'Angelo, PA 8-11)---Same 17825 2005-2102. EG nx and pop tunes. Very good 8-10. (Cole CO)

TAHITI Papeete, 15170, in FR 0240-0304; fair. S. Wonder, "Called to Say I Love You," followed by FR vocals, FR "There's a Kind of Hush," and other FR vocals. //11825 slightly better. (D'Angelo, PA 8-11)

TAIWAN WYFR via VoFC found on 15090 at 1536 in RS; also on 15055 in EG at the same time. Both outlets faint, but unquestionably Taiwan and not HCJB spurs as has been implied. (Hill, MA 8-8)

TANZANIA Dar es Salaam, 4785, in Swahili 0303. Choral singing followed by M with chanting all poor. Also on 5050 w/ UTE QRM. Local mx peaking around 0345 and unreadable by 0445. (Daly, NY 7-20)

USA WINB, 15145, in SP/EG 0254-0306; good. End of SP religious prgm, SP ID then EG ID. In to EG religious prgms. Gave address as Box 88, Red Lion, PA 17356. (D'Angelo, PA 8-11)

USSR Frunze, Kirghiz SSR, heard on 4050 and parallel 4010 with test tones from 2255, Moscow IS at 2259 and s/on annmcts; both freqs too weak to get any program content. (Hill, MA 8-2)+++R. Vilnius, 15180, in EG 2206-2230; commentary on arms talks, musical prgm and ID. (Cole, CO)

YUGOSLAVIA R. Yugoslavia, 9620, in EG 2118-2128\*; fair. Nx, ID 2123: "This is Radio Yugoslavia," followed by report on tourisit attractions in Yugoslavia. Interview with Norwegian tourist. S/off w/ ID, freq, and IS. On Sunday 8-11 caught entire \*2115-27\* xmsn, stressing non-aligned status of Yugoslavia. (D'Angelo, PA 8-8)

ZAMBIA RZambia, 3346, in EG 0414-45; poor in static. Local vocals with some talk/annmcts between selections; occasional IDs by M host. Lots of static. 0441 annrc mentioned coming up to news--presumably 0500. (D'Angelo, PA 8-11)

\*\*\*\*\*

Thanks to all and especially to our new contributors this month. Make UD a habit. Contribute soon.

Best 73,

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: R-390A in excellent condition. Manufactured by Motorola. New 3T7F ballast tube, seven other new tubes, and a few spare tubes. Price \$250.00. John White, 212 Marcin Lane, Burnsville, MN 55337-4066. Phone (612) 435-2871.

FOR SALE: Like new NRD-515 with 7.6. 4.2, 3.0 (crystal), and 2.2 filters, 90-channel memory, matching speaker, Sherwood SE3 phase-locked AH product detector, matching speaker and other extras matched, custom installed and modified by Bob Sherwood. All offers considered. Lester Baskin, 7-130 Dell Pl., Stanhope, NJ 07874. Phone (201) 347-5154.

FOR SALE: Drake SPR-4, clean and in working condition. Could use some work or modification. Make me an offer. Alfred Lisanti, 8201 4 Avenue, Brooklyn, NY 11209. Phone (718) 680-8164.

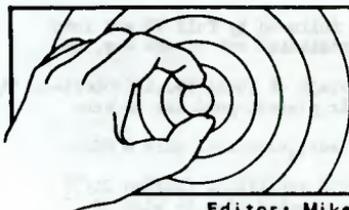
FOR SALE: Drake R-4C (all 4 line) crystals for 120, 90, 60, 31, 25, 19, 16, and 13 meters: \$5.00 each or all for \$30.00. Drake FL-4000 4 kHz AM filter, \$35.00 or \$60.00 for all. MFJ-732 DXers Speech Filter, \$35.00. John R. Tow, 5260 Baggett Drive, Pinson, AL 35126.

FOR SALE: Palomar loop antenna (pre-amo with loop for 1.6 to 5 MHz) in mint condition. \$140.00 new, asking \$70.00 or best offer. DX-302, like new, \$175.00 or best offer. Richard Dickson, 3116 Park Road, Goshen, OH 45722. Phone (513) 625-8403.

WANTED: Lafayette HA-6 and Hallicrafters SX-100 "Silver Front" receivers in good condition. Also WRTH 1960-68, 1972, and 1974-76 editions. Will pay shipping. Tom Daly, 132 Richard Court, Pomona, NY 10970. Phone (914) 354-5087 evenings at a reasonable hour.

FOR SALE: Mint condition ICOM IC-R70 with manual and original box, wrap, etc. Sacrifice priced at \$380.00 plus share UPS costs. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2458 evenings.

FOR SALE: Iniden CR-2021 portable receiver with digital readout and keypad entry, \$75.00. Commodore 64 computer, hardly used, \$70.00. INFO-TECH M200F RTTY and CW converter in excellent condition with manuals, \$125.00. Radio Shack TRS-80 Model III computer with 2 drives, RS-232, TRSDOS, and programming books, \$400.00. Rick Kawa, 3296 Abbott Road, Orchard Park, NY 14127. Phone (716) 825-2662.



# LOG REPORT

## section A

2000 to 4899 kHz

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

- 3150 North Korea. KCBS. 1310-1330. KR. Charismatic revolutionary tk w/patriotic natl. mx, becoming inaudible. (Sharp 28/7)
- 3200 Libya. V. of the Great Arab Homeland. 0105. AR tk abt nationalism, drama, ID, then vx nx. (Dillon 20/7)
- 3205 Papua New Guinea. R. West Sepik. 1300.?, mixture of local & country tunes. poor signal (Robertson 30/7)
- 3220 Papua New Guinea. R. Morobe. 1315. Pidgin. US country western tunes (Robertson 30/7)
- 3225 Venezuela. R. Occidente. 0325. SP. Deep voiced male announcer w/ romantic tunes, then into lively vocal and bongo mx (Jordan, Bobb, Dickson)
- 3230 South Africa. R. RSA. 0404. "Spotlight" programme to central & east Africa w/ class. mx by Bach @ 0415. (D'Angelo 3/8)
- 3250 Honduras. R. Luz y Vida. 0155. SP. "Inspirational" tk & mx (Dickson 21/7)
- 3260 Papua New Guinea. R. Mandang. 1100. Pidgin. OH w/tlk, time pipe & nx by om with mentions of Mandang. (Trotto 30/7)
- Ecuador. La Vos del Rio Carrizal. 0320. SP. LA mx until 0330 then nx. ID @ 0356 then back to mx. (D'Angelo 7/7)
- 3295 Zambia. RSWA, 2330. EG. Lite orch mx & folk mx on accordian; MX at 2337 followed by OH mx. (Jordan 11/7) (Trotto 31/7)
- 3346 Zambia. R. Zambia. 0442. EG. Tlk by upbeat om DJ, ID @ 0444 followed by fish-eagle IS. Into high-life mx until 0450 tuneout. (Gummingham 23/7). Thanks Larry!!
- 3360 Papua New Guinea. R. Milne Bay. 1350. OH vocalist @ 1350, YL into "Abide by me" @ 1354. OH w. tk, 3 tones and off at 1400. (Robertson 24/7)
- 3360 Ecuador. R. Iris. 0310. SP. Latin vocals. TC & ID @ 0313 and into more vocal mx. (D'Angelo 7/7, Brann 13/7)
- Malawi. RSC. 0632. Chicheva. OH & YL w/ drums and chanting freely. (31/7). Handwritten report with no name. Will not include no name reports in the future!
- Guatemala. R. Ghortis Jocotan. 0020. SP. Ctl w/ personal annc't & time. (Dickson 21/7)
- 3395 Ecuador. R. Zaracay. 0332. SP. Variety of LA pops (D'Angelo 7/7, Dickson 27/7)
- 3910t Japan. FEI. 1105-1115. "Dragnet" radio drama w/ Jack Webb as one of the players. No ID heard but presumed FEI. In // 6155. (Hardester 25/7)
- 3925 Japan. NSB. 1130. EG. "Sony SH Network" w/ feature on LA FM'ers, tape of KRBB's "Bo Gene" show. (Park 30/3)
- 3958t Indonesia. RRI Palau. 1350. I. Modern pop songs (what were the titles-ed) & IND ballads. No ID so tent. (Robertson 1/3)
- 3990 Liberia. VOA. 0630. EG. ID by OH then vx nx. (Trotto 12/7)
- 4040 USSR Vladivostok. 1341. RR. Pop mx programme, REI de utes. (Park 5/3)
- 4045 China-Taiwan. CPBS Taiwan I via Haikia. 1300. C. mx intro. om & yl w/ ID's. many mentions of Taiwan, etc. QRM USSR 4040. (Park 4/3)
- 4460 Peru. R. Nor Andina. 0340. SP. Variety of mx from flutes. Rapido annc'ts by OH. Off @ 0402. Undermodulated & noisy. (Valke 7/7)
- 4435 USSR-Petrozavodsk. 1315. RR. Piano mx, YL anncr w/ more piano mx. (Hagick 25/7)
- 4500 Australia. VRO. 1325. EG. Time pipe, ID @ 4330 (Hagick 25/7, Brann 19/7)
- 4735 China. 1529. Xinjiang PBS. Symphonic mx w/ yl anncr, into om singing regional mx. (Park 5/8)
- 4740 USSR. R. Afghanistan. 1547. Pusthu. IRI w/ ments of Pakistan & Afghan. Rev. tk, mx w/ exhortations. (Park 5/8)
- 4755 Brazil. R. Educacao. 0440. PT. Smooth voiced II anncr, backed by lite mx at 0501 followed by instr. mx of flute, harp, & electronic organ (Jordan 25/7)
- 4765 Brazil. R. Mac Cruziero de Sul. 0930. PT. MX followed by comments of OH anncr. ID on the hour followed by quick fade-out. (Zollard 7/7)
- 4770 Venezuela. R. Mundial Bolivar. 0150. SP. Lively LA pops w/ H vocals backed by brass and drums. US rock/soul at 0159. Spot annc'ts & excited ID's/promos (Jordan 12/7) (Weiss 16/7).

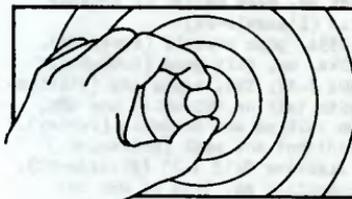
- 4780 Venezuela. LV de Carabobo. 100Z. SP. Opening with MA followed by full ID and into march mx and another ID. Afterwards, with all the formalities out of the way, mx is presented. (Bolland 7/7)(Bobb 27/7)(Summers 6/7).
- 4789 Indonesia. RRI Pak Fak. 1300. IN. OM w/ possible coverage of local event.(Robertson 11/7)
- 4790 Pexu. R. Atlantida. 0230. SP. LA pop ballads and instr pieces, good use of echo affects, etc. (Jordan 13/7)
- 4792 Ecuador. Sistema de Tr. Atalaya. 0245. SP. Mix of ballads, classical aria @ 0250, TC's, promos, etc w/ MCF anncrs.(Jordan 13/7)
- 4800 Ecuador. R. Popular. 0410. SP. Mixed bag of SC EZL, MCF vocalists. (Jordan 25/7)
- 4805 Brazil. R. Diff do Amazonias. 0223. PT. Two OM's with excited play by play of football match w/ crowd noises, etc. Brass pop at 0240. (Jordan 12/7) (Bobb 12/7), & (Dickson 3/3)
- 4810 Gabon. Africa #1. 0550. FF. Lively Af. mx. (McNellar 20/7, Speer 5/8)
- 4815 Durlina. Pago. R. Durlina. 0001. FR. Now a piece of cake. Heard daily till S/O at 0001 and from 0553. Mostly high-life mx and modern african pop-type mx. ID as "Tel Guagedougou, Radiodiffusion Nationale de Durlina". Uses Balafon IS and orch. MA at sign off and sign on. (Cunningham 23/7), (Jordan 27/7), (Valko 5/7)
- 4819t Anzola. U.M.D. 2040-45. PT. PT voice with a definite african dialect fedes in for a few minutes. Fades away by 2046 and not heard later. (Bolland 23/7)
- 4820 Botswana. R. Bots. 0515. EG/Tswana. TL with world news and domestic mx. Comm in between.(Park 5/8)(Sharpe 20/7)(Laskowski 15/7)
- 4830 Venezuela. R. Tacira. 0005. SP. Beautiful ballads by MCF vocalists. SP version of "Fly Me To The Stars" at 0010, promos, etc. (Jordan 13/7)(Bolland 7/7)(Dickson 13/7)(Dillon 14/7), & (Bobb 31/7).
- 4832 Costa Rica. R. Reloj. 0622. SP. Variety of LA pops by OM. ID and 2 songs by a TL. Some EG vocals. (Sharpe 20/7)
- 4835 South Africa. SABS. 0440. EG. Mx about Uganda coup, local wx, ID @ 0500 and tlk about South Africa recalling its US Ambassador. (Weigs 31/7)(Park 5/8)
- Guatemala. R. Tezulutan. 0015. SP. Marimba mx w/ mis of upbeat and moderate tempo selections. Spot ID @ 0020. Conversational tlks at 0030(Jordan 13/7)(Dickson 24/7).
- 4840 Venezuela. R. Valera. 0045. SP. Upbeat SP vocals and US rock at 0052, various promos and electronic effects around 0058. (Jordan 13/7)(Summers 7/7)
- 4845 Brazil. RUI do Manaus. 0245. PT. Pop mx w/ OM DJ w/ ID at 0259 then off. Only ID heard in 2 hours!(Laskowski 3/7) @ 1003 "esta Nacional de Manaus" by OM, then music and quick comments. (Bolland 7/7), (Paszkiwicz 5/7), (Dickson 14/7)
- 4850 Venezuela. R. Capitol. 0005. SP. Tlk by OM, commercial messages and more tlk and ID at 0010. (Trotto 30/7), @ 0935 (Bobb 31/7).
- 4860 Brazil. R. Diff Acreana. 0312. PT. Vocals and ID at 0315(Plum 7/7)
- 4885 Columbus. Ondas del Meta. 0845. SP. Vocals, ID at 0357 w/ IM and SM freq's given, annc for R. Reloj del Llano. (Plum 19/7)(Bobb 1/8)
- 4890 Papua New Guinea. R. NBC. 1100. EG. Heard ID and TC by OM, then MX, ID, Time, Music. (Sounds nice, how about more details next time--ed), (Trotto 11/7)
- 4892 Bangladesh. R.B. 1707. EG/BG. OM w/ wld and nat'l mx and vx. Annc of next news programme at 7 o'Clock tomorrow morning. YL w/ ID and tlk in vern(probably BG), QRM from RTTY on 4890. (Park 2/8)
- 4895 Brazil. R. Bare. 0840-0915. PT. Man DJ w/- Braz mx, TC's, ment of "Manaus, Amazonias, Amozsia". Heavy QRM. (Dillon 20/7)

Well, that's all this time. For those of you who wish to write your reports on your own paper, please write legibly and put your name on each report, and some details wouldn't be bad either. For those of you who are on UBIK you can send your reports to me via E-mail if you wish.

We all should give Mike Nikolich a big hand for doing the column before me and I hope I will be able to suitably fill his shoes. Thanks for your comments Mike.

73's this month and I look forward to being swapped next month. Have a good month!!!!

mk



# LOG REPORT

## section B

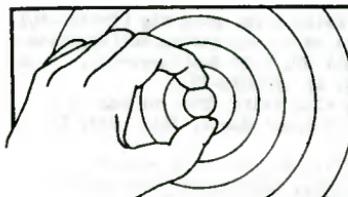
4900 to 6199 kHz

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

- 4904 CHAD N'djamena, balafon IS at \*0457 on 7-30, into hi-life, all FR, very good signal (Wilkins-CO).
- 4905 BRAZIL R. Araguaia, Br.pops at 0150 7-28, ads, rural-type mx 0200, good sig, moderate QRN from weather, almost completely eliminated with filters (Dickson).
- 4910 ECUADOR Em. Gran Colombia, IDs and arnts 0200 7-8, LA mx (Passkewics).
- 4915 BRAZIL R. Anhanguera, mx 0200 7-5, ads, Br.pops, ID 0201, fair, QRN (Dickson).
- 4915 GHANA Accra, tribal mx 0550 7-23, EG ID 0600, nx by man, unid. under them (Park-HI); EG nx 0602 on 7-6, poor overall (Brann).
- 4920 ECUADOR R. Quito, lively LA mx 0210 7-28, ads, TCs, good sig, moderate QRN (Dickson); ballads 0420 on 7-7, limited talking, ID at 0430, good sig (Summers-PA).
- 4927 UNID. 1304-1310 7-24, -27, Indo instr.mx, poor-fair; good opening for CH stns(Hardester-CA).
- 4930 HAITI 4VEH, FR chamber mx 0047 7-28, fanfare, ID, talk, all FR (Bobb-MN); FR relig.mx 0915 7-9, heavy QSB (McKellar-CA); relig.mx 1020 7-19, Creole nx (Weiss).
- 4932 UNID., Surakarta listed, 1100-1120 7-24, light instr.mx, good sig but by man, no clear ID on the hour; fair with het from carrier on 4930 (Hardester-CA); Surakarta at 1315 on 7-5, -29, Indonesian pop vocals, man anncr, poor signal (Robertson-CA).
- 4945 BOLIVIA R. Illimani, s/off armt 0500\* 7-23, "Condor Pass," good, Neiva QRM(Wilkins-CO).
- 4945 BRAZIL R. Nacl de Porto Velho, 1023 7-7, mx, talk, R.Bras, R.Nacl mentioned(Bolland-FL).
- 4945 COLOMBIA Caracol Neiva, poor 0658 7=23, talking, ID, mx, ads (Park-HI).
- 4950 SARAWAK Kuching, Euro-Am instr.pops 1400 on 7-24, local nx by gal, more pops (Sharpe-CA); bassy EC talking 1516 8-5, garbled, "Libya," "Liberation army," etc, VF(Park-HI).
- 4960 ECUADOR Tent. R. Federacion, 1045-1100 7-29, march NA, vocal, talking, fading(Bobb-MN).
- 4965 BRAZIL R. Poti, 0220 on 7-26, themes from US musicals, LA EZL and relig.mx, ringing chimes, orch.mx 0301, arnts, ID, NA to 0302\*, poor overall (Jordan); 0828-0855 on 7-23, Brazilian vocals, several singing IDs, amid heavy static (Plum-NJ).
- 4970 VENEZUELA R. Rumbos, hrd at 0314 on 7-8, good signal, lively SP tunes, man with R. Rumbos IDs after most songs (Laskowski-IN).
- 4973 UNID. with Mandolin and guitar instr., Indios Tabajaras, 0450 on 7-30 past 0545, no spoken words; good signal in QRN (Wilkins-CO).
- 4975 COLOMBIA Ondas del Ortegaza, 1004-1040 7-23, "Amanecer Campesino," IDs, TCs, mx(Plum-NJ).
- 4980 PAKISTAN Asad Kashmir via Islamabad, poor at 1555 8-5, old man singing, gal anncr, local-style CAW and Arab-Ind mx; 5 long pipe, ID, //5060; heavy QRN (Park-HI).
- 4980 VENEZUELA Ecos del Torbes, good signal at 0143 on 7-8, clear signal, nice SP pop mx, full ID at 0143 (Laskowski-IN); LA mx 0145 706, TC, ID, fair sig (Summers-PA).
- 4985 BRAZIL R. Brasel Central, ID 0555 7-20, pops, mx by man, Br. mx (Sharpe-CA).
- 4990.5 PERU R. Ancash, pop and rock tunes 0412 7-21, good sig but RSA QRM (Wilkins-CO); 0949 7-18, fair with talk, TCs, huaynos, R. Ancash ID 0958 between tunes; 1025 on 7-6, OA instrumental mx, some vocalising, talking, ID, fair sig (Bobb-MN).
- 4995 MONGOLIA Tent. Choybolsan, 1335 7-30, gal soprano in RS, poor-fair(Robertson-CA).
- 4996 PERU R. Andina, huaynos 0946 7-18, many mentions of R. Andina; poor sig (Bolland-FL).
- 5006 SURINAM Tent. R. Apintie, 0233-0300, Afro-Carib sounds; faded or s/off, 7-7(Plum-NJ).
- 5010 CAMEROUN Garoua, Koran 0441 8-3, FR nx 0500, into vernacular 0505, nice sig(Wilkins-CO).
- 5010 PERU R. Eco, LA pops, ID, arnts, s/off with NA, 0325-0359\* on 7-7 (Alexander-PA).
- 5015 ECUADOR Escuelas Rdncas. Populares, 0905-1000 7-12 in Quechua, some flute mx, IDs, SP begins 1000 (Plum-NJ); 0950-1000 8-2, SP and Quechua, Andean ax, ID, mention of Riobamba, fair in hvy QRN (Bobb-MN); tent. 0958-1009 7-5, mx, talk, poor(Bolland-FL).
- 5020 ALBANIA Gjirokaster, carrier 0257 7-18, march mx 0300, ID, nx, fair (D'Angelo-PA).
- 5020 SOLONOM IS. Honiara, 0730 with EG nx, fair with no QRM on 7-7 (McKellar-CA).
- 5025 CUBA R. Rebelde, nx 0404 on 7-17, ID 0412 as "R. Rebelde, la Habana," into Beatles, then LA pops and romantic mx (Wilkins-CO).
- 5026 UGANDA Kampala, EG nx 0404 on 7-7, "This nx is coming to you from the Home Svc of R. Uganda, Kampala," end of nx 0415, poor sig overall (D'Angelo-PA).
- 5030 PERU R. Los Andes, 0515 7-5, talk, mentions of Huamachuco, ID later, light LA mx, TCs, IDs, good sig (Valco); poor at 1013 7-5, mx, talk (Bolland-FL).
- 5039 SUDAN Omdurman, Koran at 0407 on 7-7, some talking (Hawk).
- 5045 BRAZIL R. Cultura do Para, Br.pops 0244 7-18, ID by fast-talking man, jingles, M&W talking, chimes, ID, more talk, more mx at 0243, fair signal (D'Angelo-PA).
- 5047 TOGO Tent. Lome, 0000 7-29, FR, marching mx, light mx, 0004\* (Feeley); also tent., poor 0545 7-23 in FR, Afro mx, talk by man, signal strength misleading (Park-HI).
- 5049 COLOMBIA Tent. LV de Yopal, 0024-0100 7-18, poor, talk, possible Yopal ID, giving time checks, all gone by 0100 (Bolland-FL).

- 5050 ECUADOR R. Jesus del Gran Poder, ID 1057 7-19, apparent nx, many ments. of Ecuador, into discussion by two men; very difficult in the static (D'Angelo-PA).
- 5055 COSTA RICA TIFC, soft mx 0342 8-4, man preaching, ID 0354, poor overall (Speer-CA).
- 5055 FRENCH GUIANA Cayenne, \*0900 8-3, IS, NA, ID, fgy, talks, mx, fair-good (Bobb-MN).
- 5095 COLOMBIA R. Sutatensa, "Educacion Permanents" prgm 0304 7-17, IDs, banco ads (Wilkins-CO); LA mx 0410 7-5, annts, CW QRM (Summers-PA); M&W with talk on Colombia, ute QRM, 0442 on 8-1 (Park-HI); hrd 0637 on 7-30 with LA mx, man talking abt Colombia (Feeley).
- 5451 W. IRIAN RRI-Biak, Indo pops 1048 7-15, possible ID 1101 but too weak (Bolland-FL).
- 5570 CLANDESTINE R. 15 de Septiembre, reports on Jinotega fighting 0413 7-23 (Fleming-MD).
- 5721 UNID., prob.R. San Miguel Arcangel, 0354 7-7, SP, unrecognized mx, lots of QRM but possible on good LA day; weak, until ute came on (Valko).
- 5881 INDONESIA RRI-Pekanbaru, poor with Indo pops, 1330 7-6 (Robertson-CA); very weak but discernible here at 1113 7-15, just mx heard (Bolland-FL).
- 5900 CHINA Fujian Front Stn, 1000 7-31, 6 pips, Haixia/Beijing ID, fair (Park-HI).
- 5900 USSR RM WS, 1635 7-30, fair with talk on the economy (Park-HI).
- 5910 BELGIUM BRT, EG "Brussels Calling," 0040 7-6 (Summers-PA), 0100 7-30 (Hinnov).
- 5930 CZECHOSLAVAKIA Prague, nx 0100, views, fair on 7-6 (Brann).
- 5930 USSR Mayak prgm, nx 1605 8-5, choral mx 1606, //5990, fair sig (Park-HI).
- 5950 FRENCH GUIANA RPI-Montsenary, 0100-0130 7-31, sounded like SP mailbag, ID 0125, good sig (Trotto-FL); SP prgm on Renoir 0110 7-5, FR nx 0130, exc sig (Bill-MA).
- 5950 GUYANA CBC, 0951 7-8 in EG, very weak at this late hr, poor with nx (Bolland-FL).
- 5955 COLOMBIA LV de los Centauros, hrd 0513 on 7-14, no ID hrd but many Caracol mentions, mostly SP pop mx (Laskowski-IN); "Musica Campesina, Madrugada Campesina" prgm 0910 on 7-23, many IDs, good sig (Plum-NJ); 0927 7-3, fair with mx, ads, TCs, fading (Bolland-FL).
- 5960 CANADA RCI, Canadian nx at 2205 7-27, ID, "Innovation Canada," exc sig (Dillon-MD); "SWL Digest" exc at 0308 7-8. (Brann).
- 5960 GFR DW, EG cntry, talk about high school students, 0532 8-3 (Levison).
- 5965 MALAYSIA Kuala Lumpur presumed, 1130 7-15, poor with talking (Bolland-FL).
- 5970 JAPAN Tokyo, march mx 0420 7-26, oriental ballads, M&W anncrs, good sig (Summers-PA).
- 5970 SPAIN Madrid, EG with Spanish language lesson, 0555 on 7-31 (Feeley).
- 5975 COLOMBIA R. Macarena, "Madrugada Campesino" at 0956 on 8-2, chimes and full ID 0959, TC 1004 (1-minute fast) (Thunberg-PA); 1002-1018 7-18, good using echo effect during talk, call and fgy after chimes, some mx (Bolland-FL).
- 5985 BOLIVIA R. San Jose, 1022 7-18, mx with occasional TC, many IDs as "R. San Jose" but couldn't catch the rest; clear fgy, but sig is fady (Bolland-FL).
- 5985 USA VOPC over WYFR-Okeechobee, 0201 7-26 with talk on Tibetan temples, 0218 on 8-3 with gal singing (Levison); in CE over phone line, 0710 on 7-7 (Park-HI).
- 59875 INDONESIA RRI-Menado, 1031-1052, poor on 7-18, gal talking, mx at 1033, starts fading 1052 (Bolland-FL); also 1139-1154 7-15, talk and mx, poor but still substantial sig (Bolland); unid. Indo 1105-1116 7-29, gal talking, instr.mx, poor-fair (Bobb-MN); presumed this one at 1318 on 7-31, long talk by a man, then Indo pops at 1333, organ IS 1344, into more talks; fair with WYFR slop (Wilkins-CO).
- 5995 AUSTRALIA RA, 1333 7-25, talk on Apartheid, women's conf, mx, exc sig (Magick).
- 5995 USA VOA-Greenville, magazine show at 0253 on 7-6, exc signal (Brann).
- 6000 AUSTRIA Vienna, in GM and EG at 0300-0400 7-20, ID, Austrian mx prgm with man host, historical talk, classical mx, all GM; into EG 0330 with nx, fair sig (Dillon-MD).
- 6000 CHINA Fujian Front Stn, fair at 1100 on 8-2 in CE, light mx, ID mentioning Taiwan, violin and piano mx, //5770, QRM beneath (Park-HI).
- 6010 BRAZIL R. Aparecida, 0937 7-2, poor, talking, mx, gone in fade by 0955 (Bolland-FL).
- 6010 ENGLAND BBC WS, 0519 on 8-6, poor with interview on South Africa (Speer-CA).
- 6010 PERU R. America, SP version of Wham's "I'm Never Gonna Dance Again," other OA mx, hrd 0711-0723 on 7-22 (Fleming-MD); romantic ballads, ID, 0730-0755 7-10 (Bobb-MN).
- 6015 NICARAGUA Voice of Nicaragua, in EG with nx, IS, ID, 0151 on 7-11 (Hinnov); hrd 0140-0200 on 7-21, EG talk abt struggle against imperialism, strong sig; in SP at 0240 on 7-25, EZL local-style mx, nx at 0250; and 0205 on 8-3 with lively LA mx, nx, mx, all SP, exc signal (all Dickson); LA mx at 0340 on 7-19, talk, ID, good signal (Summers-PA); exc with nx at 0450 on 7-9 (Brann).
- 6015 VATICAN Vatican Radio, FR prgm at 0045 on 7-8, good signal with IS at 0049, then EG ID and into "The Pope, the Church and the World" (Laskowski-IN).
- 6025 BOLIVIA R. Illimani, hrd at 0924-0935 with fair signal on 7-18, SP mx, man talking, ads, ID 0933, //4945 also audible but at poor level (Bolland-FL).
- 6020 NETH. ANTILLES RN-Bonaire, 1035-1055 on 7-31, fair-good in EG with "Newline" prgm, ID (Bobb-MN); EG 1056 on 8-3, "SW Feedback", poor, mixing w/other stns (Park-HI).
- 6025 HUNGARY R. Budapest, fair at 0027 on 7-8, IS 0025, beautiful mx prgm (Laskowski-IN).
- 6030 USA AFRTS-Bethany, exc at 0311 on 7-13 with CBS and NBC nx (Brann).
- 6035 COLOMBIA LV del Guaviare, 0955 at 7-2, poor signal with ranchera mx, ads between songs, M&W talking occasionally, partial ID at 1002 (Bolland-FL); tent. this one but fairly sure, 1002-1030 on 8-3, man with possible ID, mentions of Colombia, vocal duets, guitars, man with ID, fair in QRM, and fading (Bobb-MN).
- 6035 LIBERIA VOA, "Question and Answer Time" 0644 7-28, ID, fair with AFRTS QRM (Trotto-FL); science magazine prgm on US space program, 0723 on 7-22, //7200, 6125, 6080 (Fleming-MD).
- 6045 AUSTRALIA RA, EG MoR mx, exc at 1045-1100 on 7-3 (McKellar-CA).

- 6050 ECUADOR HCJB, hrd in SP at 0140 7-31, talk, ID 0145, relig. prgm, good sig (Trotto-FL).
- 6050 NIGERIA FRGM-Ibadan, QSL says 0530-0095, 50 kv, Harris xtr, log period ant(Hardesterc-CA).
- 6055 FRENCH GUIANA RFI-Montsireny, fair with pop mx, ID, all SP, 0520 8-6(Speer-CA).
- 6060 AUSTRALIA RA, good at 1230-1300 7-30, sports, genl nx, mx (Bonnet-IN).
- 6065 BRAZIL R. Nacional de Amazonia, 1019 on 7-6, good sig with talks, TCs, nx and ID on the half-hour (Bolland-FL); 2340-2400 7-16, good with PT vocal duets, talk, ads, ID (Bobb-MN); 0002 7-24, Brazilian mx, ID (Nagel-PA).
- 6070 CANADA CFRX-Toronto, morning chatter 0944, time, traffic, wx, nx, very weak 7-8 (Bolland-FL); Canadian nx at 2101 on 7-25, good (Nagel-PA); chamber mx 0230 on 7-9, clothing ads, movie reviews, Boston Symphony (Bonnet-IN).
- 6075 USA R. Marti, IDs 0932 to nx, good signal on 7-19 (Brann).
- 6085 USA WYFR-Okeechobee, 1010-1022 7-10, talking, mx, ID, all SP (Bobb-MN).
- 6090 CUBA Havana, EG "World of Stamps" 0350 7-29, poor, //6100, 9740 (Park-HI); EG ID and schedule, 0425 on 7-24, wx (Magick); SP vocals 0545 on 8-3, //6100 (Levison).
- 6090 LUXEMBOURG R. Luxembourg, EG at 2318 on 7-27, wx, mx, ads, phone-in contest (Hinnov); pops, ads for Keyboard mag and R. Lux T-shirts, ID at 0036 (Sales-IN).
- 6095 CHINA Beijing, gal talking in CH 1129 7-18, chamber mx 1130, chimes 1147, more mx; //9170 but very weak there, and poor here (Bolland-FL).
- 6095 ECUADOR HCJB, exc 0628 7-7 with "Discovery," DXPL (Brann).
- 6100 CUBA Havana, EG 0220-0300 on 7-14, talk alt US films, Arturo Sandoval trumpets 0240, local-quality sig (Dickson); "World of Stamps" prgm 0345 7-29 (Nagel-PA); stamp show, Cuban profile, exc sig at 0353 on 7-1 (Brann).
- 6100 NEW ZEALAND R. NZ, nx read by male annrc 1210 on 7-30, IDed as the Natl Prgm, s/off ID, good signal till 1215\* (Trotto-FL); 1219\* 8-22 after nx, wx, ID, "Now Is the Hr"(JB).
- 6105.6 UNID. 0957-1005 7-8, flute mx like OA, indecipherable SP talking by man, drowned out by high power xtr on the hr; poor (Bolland-FL).
- 6110 MALTA R. Mediterranean, fair with rock mx 2323 7-6, ID, fanfare, 2330\* (Jordan).
- 6110 PHILIPPINES VOA, poor with "Critics Choice" 1720 7-7 (Park-HI).
- 6115 PERU R. Union, non-descript group vocals 0420 7-21, TCs, ads, "Union en el Camino" prgm, mx requests (Wilkins-CO); SP and Indian lang vocals and nx, 0935-1022 7-19 (Plum-NJ); 0946 7-3, amts, mentions of R. Union, fair signal (Bolland-FL).
- 6117 COLOMBIA LV del Llano, festive MJ cumbias at 0720 on 7-14, "La super musicalisima," "La super bailableisima," "LV del Llano, sin igual" (Wilkins-CO); 0930-1015, LA vocals with IDs, TCs after each song, prgm on agriculture 1010, 7-14 (Plum-NJ).
- 6125 BRAZIL R. Globo presumed, 0955-1003 7-10, poor with talk, Br. mx, fading (Bolland-FL).
- 6125 SPAIN Madrid, 0549-0600\* 8-3, EG-SP ID, SP lesson, vocal solo, closing remarks, NA, fair in hvy QRN (Bobb-MN); SP course 0550 8-3 (Levison).
- 6127 UNID. 0903-0945 7-11, Indo-like lang, vocal and instr. mx, sounded like pops; RRI-Nabire listed. Poor overall, RRI-6188 fair, RRI-9612 good at the time (Hardesterc-CA).
- 6130 ECUADOR HCJB, EG DXPL at 0951 on 7-22, mixing with unid., and het; poor (Park-HI).
- 6135 BRAZIL R. Gaucha, 1003-1012 7-19, fair with nx, ID 1007 (Bolland-FL).
- 6140 CUBA Havana, 0225-0300 7-25, Cuban mx, revol. songs, local quality (Dickson); hrd in EG at 0420 on 7-24, this fgy closing at 0450\*, poor sig overall (Magick).
- 6160 CANADA CKZN-St. Johns, 0827-0842 7-23, ID, mention of 1 kv stn power, program review, TCs, CBC nx, wx, marine report, sports; fair but slowly fading (Bobb-MN).
- 6160 CANADA CKZU-Vancouver, 1530-1545 7-11, EG nx fair with fading (McKellar-CA).
- 6165 BRAZIL R. Cultura, 0950-0958 on 7-19, fair sig with mx, very subdued for a Brazilian; ID as R. Cultura in Sao Paulo (Bolland-FL).
- 6165 MEXICO XEW, LV de la America Latina, 0759-0815, soft SP mx, talking, ID, gal breaking in at times, vocal duets with guitars, poor on 7-10 (Bobb-MN); 0943-1014 on 7-23, good signal, mx features with some live singing by studio personnel, ads 0955, GMT-6 TCs, ID and nx 1000 (Bolland-FL). A few veries showing up from them lately, too (JB).
- 6165 METH. ANTILLES RN-Bonaire, "Dutch by Radio," "Happy Station," 0304-0325\* 7-28, talking alt listner mail, some mx (Bonnet-IN); communications prgm to 0420\* 8-3, fair in EBC and local QRM (Park-HI); IS 0525-0530 7-25, evening prgm's description, nx, perfect rcprn (McKellar-CA); special report 0553 on 8-3 (Levison).
- 6175 FRENCH GUIANA RFI-Montsireny, SP nx 1001 7-30, fair in QRM (Park-HI).
- 6175 ANTIGUA BBC relay, "Meridian" 2358 7-18, ID, TC, world nx, "Nx Abt Britain," good sig (Dillon-MD); "Brain of Britain" contest, exc 0630 7-12 (Brann); to 0730\* 8-3 (Park-HI).
- 6180 VENEZUELA R. Turismo, 0945 on 7-9, good sig with station promos and chatter, "R. Turismo musica national," into mx (Bolland-FL).
- 6185 BRAZIL R. Bandeirantes, enthused talking by annrc 0925 7-12, TCs, promos, baby crying, ID 0930; exc level, much better than usual (Cunningham); 0950 7-9, nx, brief mx interspersed, very weak audio but clear fgy so easy copy; also at 0937 on 7-19, poor with ads, talk, TCs, nx by M&W at 0945 (Bolland-FL).
- 6185 USA WRND-New Orleans, "Entertainment Coast to Coast," "World of Radio," 0403 7-13 (Brann).
- 6188 W. IRIAN RRI-Manokwari, 0929 7-19, poor with mx to 0930, then 5-min. nx (Bolland-FL).
- 6189 PERU R. Oriente, M&W talking 0928 7-10, poor and fades out by 0938 (Bolland-FL).
- 6195 CANADA CBC Northern Svc, sports nx 0507 8-6, wx, FR ID, NA, 0510\*, good sig (Trotto-FL).
- 6195 ANTIGUA BBC WS, "R. Newsreel" 1212 7-13, "Live Aid" concert report, poor sig (Park-HI); clas. mx 1230 8-7, nx cancelled due to journalists' strike (Thunberg-PA).
- 6195 SINGAPORE BBC FES, "Meridian" 1726 8-2, prgm preview, ID; poor (Park-HI). 73-



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: Peter Drizhal, P.O. Box 663 Oxon Hill, MD 20745

ON THE WAVE this month:

To directly quote Travis McLemore: "Help!" Has anyone out there caught pirate "KKMO's" address? If so, please let your editor know. ...The Mystery Music Station remains just that: a mystery. It was noted this month at 9920, still not talking, still not IDing... 9859 finds a tentative logging of "Iceland State Broadcasting Service" by Rufus Jordan (2000-2040, 8/3). For those who wish to confirm this one but don't speak Icelandic, and don't have a WRTH in possession, the station's ID should be "Utvarp Reykjavik"... That was a sampler, and now the details...

- 6200 NICARAGUA R.Sandino 0545-0600 SP, pop Am. & Nic. mx, PSA on military service (Fleming-MD 7/23, Brann 7/6)
- 6220 MONACO TWR relay 0326-0333 ID w/site along w/instru. mx; into tx in Euro lang. Gd amid QRN and QRM (Valko 7/25) \*0343-0416\* GM, s/on w/mx box IS, tx, ID, rel mx, mx box IS again at s/off (Alexander-PA 8/5)
- 6222 CANADA-PIRATE CTAT Radio 0132-0230 new wave & rock mx, strong sig w/CW & ARO QRM. Also IDd as Canada Club R. add: "Box 140, Toronto, ON M1L 1B1" QSL for 39¢ Canadian stamp. (Plum-NJ 8/5)
- 6230T CLAND. R.Monimbo 0010-0020 SP wk & pr xmsn, W ancr, Martial mx & W vocalist; static, UTES (Jordan 7/21)
- 6538 N.KOREA RP FS 1219 JP, taunting mx w/anti-JP tx; drifted from 6540 kHz (lt QRN, modrt QRM) (Park-HI 7/28)
- 6724.3 PERU R.Satelite 0230 SP Nice mix of ballads & Andean mx OM ancr aft ea sel. w/TC, Saludos & Requests. Deterioration aft 0330, but still there (Wilkins-CO 7/21)
- 6974.1 CHINA Nei Menggu PBS 1124 MG Exotic MG vocals w/droning string acctm; 1200 pips, ID, into story tell. (Wilkins 8/3)
- 7092 PAKISTAN RPak 1608 EG, nx, ea item read twice; difficult to copy, //11675 (hvy loc QRM, QRN), pr. (Park-HI 7/26)
- 7125 GREECE VOA relay via Kavala 2330-0000 lang, big band, jazz and swing, ID in EG w/site (Jordan 7/6)
- 7130 USSR R.Stansya Rodina \*0100 RS, IS, ID, nx; pr (Trotto-FL 7/30)
- 7130 W.GERMANY DW 0050-0100 GM, ID, instr. mx; g (Trotto-FL 7/30)
- 7135 CYPRUS BBC WS-Limassol 0157-0205 EG "The Wld Today (Trotto 7/31)
- 7145 POLAND PA MA svc 0334-0340 EG, intv w/Minister of Transportation, 0338 ID, mx, desc o/Polish town (Weiss 7/16)
- 7160 OMAN BBC 1615 Farsi, nx, sev mnts o/Iran, ID (Park-HI 8/5)
- 7165 CHINA RB FS 1209 KR, nx by M&W, ment Nicarg., mx interlude, cmtry by M //5975; not in WRTH 85 (Park-HI 7/28)
- 7170 NEW CALEDONIA RFO relay 0805-0810 FR, nx; f (McKellar-CA 7/23) R.Noumea 0853-0903 FR, light mx M w/ID & tx (Bobb-MN 7/31) (\*RFO relay stn is located in Noumea. Sure that wasn't what you mistook for "RN," Norman? --ed.)
- 7175 USSR RM 2302 RS organ mx; f (Nagel-PA 8/6)
- 7200T SOMALIA R.Mogadishu 2040-2059\* SM, AA Style mx to 2050, then nx(?), suddly off/2059, ARO QRM&QRN ruined ID; p(Dillon-MD 7/6)
- 7205 AUSTRALIA RA 1215 EG "Talkback" w/ANARC Conv nx (Park-HI 7/28) 1233-1240 EG Ausie nx by W, ID, Australia Tonite (Trotto-FL 7/30) 1304 EG, nx; good+ sig. (Magick 7/25)
- 7215T IVORY COAST RT Ivoirienne 0712-0730 FR, M&W tx, no ID (Trotto 7/28)
- 7235 INDIA AIR HS 1345 Hindi, H- pop mx OM, YL; wk (Robertson-CA 7/10)
- 7245 USSR RM 1200 JP, IS Ww/ID "Kochiwara Moscow...hoso desu..." & prm prev, nx; rapid jumpy fading (Park-HI 8/1)
- 7255 NIGERIA VoN 0533 EG, Afr & Nigerian nx, econ. nx; poor audio, gd sig (Fleming-MD 7/23) 0615 FR reggae mx (McKellar-CA 7/21)
- 7260 ENGLAND R.Canada I. \*0315-0320 RS IS, ID, nx; fr (Trotto-FL 7/20)

7265 USSR RM WS 1308 EG, nx & views; good (Magick 7/25)

7269.9 INDONESIA RRI-Jakarta 1008-1040 IN, mx w/tx; freq clr for moment fr/ARO; M/nx on half hour; fr (Bolland-FL 7/15)

7270 S.AFRICA RSA 0458-0526 FR "Disco Detour" ftr -YL, disco mx, some with distinctively Afr. sound; nx brief (Sharpe-CA 8/4, also Park-HI 8/4)

7275 W.GERMANY DW \*0300-0310 Dari, IS, ID, nx; good (Trotto-FL 7/20)

7295.3T ITALY R.Milano Int'l 0430-0506, wk sig, P w/QRM fr BBC on 7295 & HAM QRM; pop mx, vy little tx (Alexander-PA 7/7)

7325 ENGLAND BBC WS 0055-0105 EG, clasc mx, nx; f (Dillon-MD 7/20)

7345 CZECHOSLOVAKIA RPr 0125 EG, CZ folk mx, Potsdam Agrmt, youth festival in Havana, 0155 medley o/Dixieland style ragtime (Dickson 7/24)

7355 USA WRNO 0239 ABC nx, Wld-wide dedication show (Brann 7/13)

7355 USA WYFR 0356 RS, IS, ID, into in-house show (Park-HI 8/4)

7405 CHINA CPBS? 1242 lang? Samisen-like mx w/slight percussion; unlisted in WRTH85 & no // 's found; regional? (Park-HI 7/21)

7405 USA-PIRATE R.Nova Int'l 2329-2358 EG, Marley, Steppenwolf, Steve Miller, Monty Python; f/g w/QRM (McLemore-FL 8/4)

7415 USA-PIRATE 74-WKUE 0044-0059 EG usu oldies w/Laughing Bill w/IDs and "Hi-Lo" addr; good signal (McLemore-FL 7/27)

7420 USA-PIRATE KKMO 0150 EG, rock mx "Get it On," ID & s/off 0157 "to make some adjustments" (Feeley 7/30)

7425 USA-PIRATE R.North Coast Int'l 0145-0205\* EG, Beach Boys, Weird Al Yankovic, fake ads for RNCI tabld; f-g (McLemore 7/13)

7425 USA-PIRATE WMTV EG 0120-0332\* EG, usual stuff; standard top-40 "gets really boring" (Plum-NJ) Phone # (305) 936-1010 (Alexander-PA) "I called but reached a recorded message! (D'Angelo-PA) Addr: PO Box 1945, Del Ray Beach, FL 33444 (Summers-PA) Also rept'd by: (Paszkiwicz 7/7)

7428v USA-PIRATE R.Nova Int'l 0035-0115\* Moorhead, MN Adr; Hendrix, Black Sabbath, Cream; t-shirt offer (Alexander-PA, Plum-NJ 7/7)

7430 USA-PIRATE KKMO 0032-0050 EG, top-40 hits; f sig (8/4) 0127-0238 EG top-40, inc. 7 in a row --try that on your local stn; still no adr ment (HELP!) f-g sig, QRM (McLemore-FL 8/8)

7430 USA-PIRATE KQSB 0119-0136\* rk mx, Cheech & Chong; fr (Rigas-IL)

7430 USA-PIRATE KROK 0010-0038 EG, oldies, George Carlin, andc use of 19mb xmtr, Moorhead adr; f-g (McLemore-FL 7/20)

7430 USA-PIRATE Zeppelin R.Wldwide 0201, Rk oldies (Rigas-IL 7/20)

7431 USA-PIRATE VoLaryngitis 0033-0100\* parody of Spy # stn, VOA promo: "Stay tuned for American stories in special EG, Fake ad for CIA. Funny program (Rigas-IL, McLemore-FL 7/21)

7433 USA-PIRATE Union City R. 0230-0243\* vy strong w/rock mx, ment.via R.Woodlands tx (Plum-NJ 8/5)

7435 USA-PIRATE Secret Mt. Lab. 0016-0138\* Country mx, Hilo adr, anti-ad ads (Rigas-IL, Feeley, Plum-NJ 7/15)

7550 S.KOREA RK 1632 AR M w/cmtry, folk mx, "Inside North Korea" (local QRM, rapid fading) (Park-HI 7/11)

7600 ECUADOR HD210A 0325 SP time pips, anc M on minute (Paszkiwicz 7/13)

7652 USA VoA-lower SSB 0121-0130 lang? ID, nx, ID; g (Trotto-FL 7/30)

8566 CHINA CPBS ML 1000 KR 7-note IS; M&W IDs; band mx using IS theme, into anmts & nx //9920 (Morse code QRM) (Park-HI 7/17)

8924 PERU R.Continente 0233-0303\*, lively mx, many IDs & TCs by OM. No s/off anmts, just NA aft short e-z tune;p (Valko 7/11)

9350 N.KOREA RP FS 1738 FR, Tx on Kim Il-Sung and the JP ex-9360; QRM jammer 9340 & locally (Park-HI 8/5)

9350 USA VoA-Delano USB, "Live Aid" hi-lites, 0925 RS (Park-HI 7/24)

9390 ISRAEL Kol I 0350-0400 mx, discsn, IDs, ads (Weiss 7/21)

9410 ENGLAND BBC WS 0005-0010 EG, wld nx, ID, Brt nx (Dillon-MD 7/14)

9420 GREECE VoG 0010-0015 GK, W/nx, ID "Ado Athena," GK mx; f (Dillon-MD 7/14) 0135 nx, 0137 GK folk mx (Hinnov, Feeley 7/30)

9435 ISRAEL Kol I 0003 English news (Levison 7/29) 0100-0109 EG IS, ID, TPs, Israeli news; good (Dillon-MD 7/19)

9455 USA VoA 0240 EG "Wldwide SW Spectrum" txing to Randy Erickson; feature on WWV & NBS (local QRM/QRN) (Park-HI 8/2)

9457 UNID. 1450-1500 f/o? (carrier present via bfo to 1505 t/o) W tx/lang? (too wk to ID, instru.mx-ezl. No enhancement w/SSB. Poor on 7/27, nothing 7/28 (Hardester-CA 7/27)

9475 EGYPT R.Cairo 2106-2158 AR, ID: "Al-Anba' Min Al-Qahirah" (The news from Cairo), 2130 live show; g (Dillon-MD 7/20)

9490 Ukr.SSR RM via Nikolayev 0015-0045 SP, anti-US comments in tx abt Nicarg; ID; fair (Dillon-MD 7/14)

9505 JAPAN RJ \*1100-1110 EG, Music Box IS, ID, nx (Jordan 7/27) 1348 EG, xclt recp (Magick 7/20) 1500-1510 EG nx, perfect reception (McKellar 7/10)

9505 ZAMBIA ZBS \*1550 w/Fish Eagle IS&NA at 1558..buried u/NHK, but audible a few days a week..no ID, but IS is identical to ZBS 4910 (Sheedy-CA 7/26)

9510 ROMANIA RBU. 0011 SP, mx (Levison 7/29) 0404-0410 EG, nx, ID (Weiss 7/16) 0410-0427 EG Listeners qtns answd on Rm (Fleming 7/23)

9520 PAPUA NEW GUINEA 0755 Pidgin, MOR pop, nx (Park-HI 7/30)

9545 INDIA AIR-Dehli 1330-1353 Hindi, tradtnl songs;p (Robertson-CA 7/12)

9545 SOLOMON ISL. SIBC 0709 EG, ads,weather,mx;454 (Brann 7/9)

9555 MEXICO XEQK,La Hora Exacta 0313 SP,IDs, ancmts, time pip & TC evy min. (Paszkwicz 7/13) 0424-0437 SP nx & cmtry (Cunningham 7/28, also Wilkins-CO 7/17)

9560 E.GERMANY RBI 0310-0316 EG-GM ID, mx IS into GM ID & tx; g/ w/QRM (Bobb-MN 7/16) 0337 GM various ftrs, ID 0347, usu hrd in winter at this hour (Park-HI 7/19)

9560 TURKEY VOT 2209-2250 EG, Tur- fgn reltns w/China, ID, "DX Corner" w/Disco mx betw tips, Tur- mx;f (Dillon-MD 7/13) 2342-2400 lang Mdle E. mx px Ww/tx, ment Ankara; f (Bobb-MN 7/26) 0023, also 0145 music programng (Levison 7/31)

9570 USA R.Marti 1246 SP, LA mx with OM host, IDs;xlt (Valko 7/2)

9600 USA R.Marti 0120 SP, rock mx, slight QRM fm Cuba, prob. not deliberate (McKellar-CA 7/5)

9610 IRAQ R.Bagh. 2105 EG, press review (Green 8/4)

9610 SEYCHELLES FEBA 0300-0313+SH,tx,mx rel.pgm (Park-HI, Zilmer 7/21)

9610 USSR R.Vilnius 2203-2207 EG, nx; fr (Nagel-PA 8/5)

9615 USA KGEI 0437 SP, M/"Nocitas de beisbol;" pr (Park-HI 7/23)

9617.9 MOZAMBIQUE RMZ 1312-1330 PT, PT,AF dance rhythms. Severe QRM at 1330 buries stn; poor (Robertson-CA 7/24)

9630 SPAIN REE 0020 EG, cmtry on Asturias (Levison 7/26) 0113-0123 EG, ID,sports rndup, lcl nx, mx; f-g (Bobb-MN 7/14) 0500 EG, nx,mx,Spanish lesson; 444 (Magick 7/24) 0533 EG "Spanish Hit Parade" (QRM RMs 9635, ripply fading) (Park-HI 8/4)

9640 ALGERIA RAL. 2004-2024 EG, nx,sports,rk mx (D'Angelo-PA 7/20)

9645 VATICAN CITY VR 0505-0515 EG, Youth Cath.Cnfrnce in VC (Fleming 7/23)

9660 AUSTRALIA VLQ9 1300 EG, pips,nx, hvy QRM/R.Rumbos (Lare 7/30)

9660 VENEZUELA R.Rumbos 0134-0152 SP Blend ballads & fast vocals, IDs 7/4970 (252 but static) R.Marti QRM (D'Angelo-PA 7/12)

9665 Saipan KYOI 1720-1735 JP YL w/rock px & ads; g (Bobb-MN 7/30) 1730 EG w/Amer pops, t-shirt ad (Hinnov 7/28)

9670 USA KLNS(AK) 1400 CH, EG ID, then into CH pgm;g (Wilkins-CO 7/16)

9675 PERU R.Del Pacifico 2020 SP, ezl mx, IDs; g (Wilkins-CO 7/15)

9680 USA United Nations R. 0828-0833 EG/FR "UN to Afr," ID then into FR at 0830; f (Trotto-FL 7/27)

9689 TAHITI RFO (R.Ta.) 0400 TT, nx;pr,///11825v better (Wilkins 7/21)

9695 SWEDEN RSI 2300 EG, nx fol'd by DXer pgm (Hinnov 7/30)2320-2330 EG ...mx, ID,IS (Bobb-MN 7/30) 0230-0258\* Weekend Rept, ftr pgm (Bonnet-IN, Green 8/4)0240-0250 EG (McKellar-CA 7/15)

9715.8 BOLIVIA R.La Plata 1650-1800 SP, ID, entire pgm of mx and cmnts, 1800 QRM drowning by another stn; pr (Bolland-FL 7/16) also heard 7/15 from 1615 to 1624.

9720 MALTA IBRA R. \*0700 FR, EG ID, then FR pgm (Alexander-PA 7/28)

9745 PORTUGAL RPOR. \*2200 PT, IS,ID,nx, pr sig (Trotto-FL 7/16)

9750 MALAYSIA VOM 0857 IN? Soft vibraphone IS; pause & 6 pips; W w/ID, martial mx, then nx? (QRM N.Korea 9745) (Park-HI 7/31)

9780 YEMEN ARAB REPL. R.San'a 2035-2100 AR,AR mx, ID;p (Dillon-MD 7/28)

9820 Ukr.SSR R.Kiev \*0200-0230\* EG, nx, propaganda, "Ukraine Today," Ukr. Farms & Ski Resorts; g (Jordan 7/10)

9859T ICELAND ISBS 2000-2040 IC? tx, folk,clasc mx,flute(Jordan 8/3)

9920 UNID. Non-stop music, no talk, msly SP mx, ballads 0003-0030 (Fleming-MD 7/19) 0030-0105+ (Jordan 7/30) 0057-0132 (Bobb 7/29)

9975 CLAND. Spy Numbers R. 0214 EG; f (Nagel-PA 7/28)

10009v VIETNAM Vov 1338 CH Unintelligible text by M; WRTH says this is for the CH army (Park-HI 8/4)

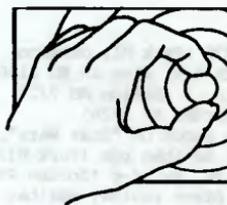
11090.2 UNID. VoA USB 1121 IN, wk sig from appt feeder but where? (Rigas-IL 7/21)

11445 CHINA RBei. 1435-1500 Tagalog, Wld nx, Euro. clasc mx, OM tx abt Philn. bsktbl, Chi. clasc mx, ID (Sharpe-CA 7/24)

11620 INDIA AIR 2135-2218 EG, ID,nx 2200, cmtry at 2215 concerning woman's role; oth. ftrs. SIO 2+52+ fades (D'Angelo-PA 7/7)

11640 UNID. Poss Cland. VoIran, Def not //11975 VoLP 1910-1927\* mid. ea.lang, tx, martial mx, prayer chants, Middle E. instr. mx w/winds and percussion; f (Jordan 7/20)

*Good day, Peter*



# LOG REPORT

## section D

11700 and above

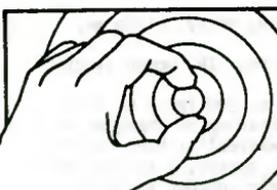
Editor: Wallace C. Treibel, 357 N.E. 148 St., Seattle, WA 98155

- 11700 DOMINICAN REPUBLIC R. Clarin in SP 2330-0145, mx, frequent ID's, drama (Bobb MN, Hinnov NJ 7/24, D'Angelo PA 7/20, Levison PA 7/10)
- 11705 SWEDEN RSI in EG 2330, ID, IS, p (Bobb MN 7/28) in EG \*0230, nx (Trotto FL 8/7)
- 11710 USSR R. Moscow in EG 1957, RS folk songs, bells, nx, QRM, p (Park HI 7/19)
- 11715 EGYPT R. Cairo in SP 0100, IS, ID, tlk, mx, f (Zilmer NM 7/30)
- 11720 NETHERLANDS RN in EG, \*0430-0440, IS, ID, nx, mid-East svce, f (Trotto FL 8/7)
- 11720 USSR R. Vilnius in EG, \*2200-2230\*, nx, cmntry, mx, IS, ID (Hinnov 7/28, Jordan)
- 11725 SCOUTH KOREA RK in PT 0905, 1988 Olympics report, QRM, f (Park HI, 8/5)
- 11730 USSR R. Moscow in KR 1325, tlk, nx brief, freqs, bad modul & QRM, p (Park HI 8/4)
- 11735 USSR RM via Vinnitsa in EG 0125, tlk, mailbag, interview, exc (Dickson OH 7/23)
- 11745 UNITED KINGDOM BBC in EG 1707-1715, nx, ID, Program Focus, p (Trotto FL 8/2)
- 11745 BRAZIL Radiobras in EG 0159-0256\*, sports, tlks, mx, IS, exc (Brann MO, Nagel PA, Dickson OH, Bonnet IN, Plum NJ, Hardester CA, Laskowski IN) also in SP prior to EG xmsn, ID, tlks, mx, one minute open air between xmsns (Bobb MN, Hardester CA)
- 11750 IRAQ R. Baghdad in AR 1730, AR mx, ID, f-p (Dillon MD 7/13) also in AR 2055 w/mx and tlk, Big Ben type time check on the hr, //13700 (Vadino WA 7/4)
- 11750 USSR R. Moscow in EG 2300-0100+, nx, tlks, mailbag (Dickson OH, Laskowski IN)
- 11750 BULGARIA R. Sofia in EG \*0300-0400\*, nx cmntry, folk mx, tourism (Plum NJ 7/30)
- 11760 COOK ISLANDS RCI in Maori/EG 0450-0530, relig pgm, songs (Robertson CA, Plum NJ 7/30)
- 11780 MEW ZEALAND RNZ in EG 1848, bellbird IS, Maori singing, p, //15345 (Park HI 7/17)
- 11790 INDONESIA VOI in IN 0843, lang lessons in Bahasa IN, QRM, p (Park HI 7/27)
- 11790 USA AFRTS Bethany in EG 0038, ball game (Levison PA) 0630, nx, sports (Fleming)
- 11790 USA KCBi Dallas in EG from 1540-2045 again reported by 18 different members! Wow!
- 11795nf ECUADOR HCJB in PT \*1559-1605, ID, time pipe, relig mx, mailbag (Trotto FL 8/2)
- 11805 BRAZIL R. Globo in PT 0032-0100, soccer match, many ID's, ads, //4805 (Jordan PA)
- 11810 PAKISTAN RP in EG 1706, nx, mx, tlk on Islam (Thunberg PA 7/26)
- 11810 MONTSERRAT DW relay to SA in SP \*0200-0330\*, IS, ID's in SP/EG, nx (Jordan 7/13)
- 11815 POLAND R. Polonia in EG 0300-0315, nx, cmntry, vg (McLenore FL 8/8) good catch!
- 11815 PORTUGAL R. Free Europe in RM \*0257-0318, IS, ID, nx, g (D'Angelo PA 7/30)
- 11820 HUNGARY R. Budapest in HG? 0257, horn IS, orch mx, QRM, p (Park HI 7/15)
- 11825 TAHITI Papeete in Poly lang 0331-0400, vocalists w/island mx (Bonnet IN 7/12)
- 11830 USA WYFR Family Radio in EG 1635-1700, relig pgm, mx, nx, g (Bonnet IN 7/11)
- 11835 SRI LANKA AWR via SLBC in EG 1101, "SWL'ers Digest" and feature (Park HI 7/14)
- 11835 ECUADOR HCJB in RS 0400, "v" time sig, relig pgm, QRM, p (Park HI 7/31)
- 11840 AUSTRIA ORF in GM \*0700-0705, IS, ID, nx, bad QRM, f (Trotto FL 7/12)
- 11840 USSR R. Moscow in EG 1530-1600, nx, features, mx, g (Bonnet IN 7/22)
- 11840 CUBA R. Moscow via Havana in EG 2008, nx and views, exc (Brann MO 7/7)
- 11845 SWEDEN RSI in EG 2100, nx under VOA in beam to Africa, f (Zilmer NM 8/5)
- 11850 USSR R. Peace & Progress in SP \*0000-0030\*, IS, ID, tlks, QRM, QRM (Jordan 7/13)
- 11850 USA KNLS Anchor Point, Alaska in EG 0708, ID, big band mx (Feeley GA 7/30)
- 11850 BULGARIA R Moscow relay in SP 2300, bells, ID, beamed to L Am, nx, vg (Dillon MD)
- 11860 CHINA R. Beijing in EG 1200-1230, cmntry, vocal mx, tlks (Bonnet IN 8/2)
- 11865 INDONESIA RRI Jakarta in IN 1335-1400, lagu lagu popular mx, ID, nx (Sharpe CA)
- 11865 VATICAN STATE VR in EG 0200, freq and time sked, cmntry, f (Zilmer NM 8/6)
- 11870 USSR R. Peace & Progress in CH 1900, IS, ID, nx, QRM, p (Park HI 7/9)
- 11870 BULGARIA R.Sofia in EG, mx, tlks (Levison PA 7/9)
- 11880 SPAIN REE in EG 0043-0130, nx, light opera, tourism (Bonnet IN, Levison PA 7/28)
- 11880 NORTH KOREA R. Pyongyang in EG 1300, nx, cmntry, //15340, f (Zilmer NM 7/24)
- 11905 WEST GERMANY DW in AR 1900, s/on in AR (Green TN 8/4)
- 11910 HUNGARY R. Budapest in EG 1610-1620, nx, ID, review of HG press, f (Trotto FL)
- 11915 CHINA R. Beijing in PL 2000, IS, ID "Mowi Peking", nx, harp mx (Park HI 8/3)
- 11920 MOROCCO RTV Moroccan in AR 0010, tlk, ID, //15335, g (Laskowski IN 7/10)
- 11925 SWITZERLAND SRI in EG 0202, nx, tlk about Sri Lanka violence, p (Laskowski 7/9)
- 11930 FRANCE RFI in FR 2025-2032, ID, instrumental mx, QRM R. Marti (Bobb MN 7/27)
- 11930 NETHERLANDS RN in EG 0645-0655\*, pgm on situation in Lebanon (Fleming 7/22)
- 11940 UNITED ARAB EMIRATES R. Dubai in EG 0334, list of road closures, mx, p (Park HI)
- 11940 ROMANIA R. Bucharest in EG \*1300-1315, nx, polit tlks, Eur svce, f (Hill MA 7/27)
- 11940 SINGAPORE SBC in EG 1500-1600, nx, mx, skeds, IS, ID (Zilmer NM, McKellar CA)
- 11955 SINGAPORE BBC relay in EG 0930, "English by Radio", drama, QRM, p (Park HI 7/30)
- 11960 USSR R. Vilnius in EG 2227, details on future pgms, f, //9610 (Nagel PA 8/4)
- 11960 USSR R. Kiev in EG 2345, propaganda (Levison PA 7/9)
- 11965 PHILIPPINES VOA relay in CH 1148, EG lessons, QRM, p (Park HI 8/1)
- 11980 BELGIUM BRT in EG 2100, xsmn to Europe, "Radio World" (Green TN 8/4)

- 11995 FRENCH GUIANA RFI relay in EG 0315, bouncy mx, nx in FR 0330 (Park HI, Dickson)
- 12025 ISRAEL Kol Israel in EG 1900, s/on xsmn to Europe (Green TN 8/4) also in EG 2130, Israeli nx, "Spotlight" on Jewish terrorist underground, ID, f (Dillon MD 7/13)
- 12040 USSR R. Moscow in IT 1940, lengthy tlks, orch mx, IS, f (Jordan PA 7/26)
- 12060 USSR R. Moscow via Novosibirsk in EG 2250-2310, complaints about US "Star Wars", ID, piano mx, f-p (Dillon MD) nx, cmntry, f (Laskowski IN) mailbag pgm (Park HI)
- 12070 USSR R. Moscow in RS \*2330-0300\*, pgm for "those at sea", nx, mx, f-g (Jordan PA)
- 12085 SYRIA R. Damascus in EG 2005-2105, ID, mx, cmntry, skeds, press review, mailbag (Hinnow NJ, Robertson CA, Summers PA, Dillon MD, Vadino WA, Bonnet IN)
- 12095 UNITED KINGDOM BBC London in EG 2205, tlk re USSR-Israeli relations (Bonnet IN)
- 13605 USSR R. Yerevan in EG 0252-0300\*, choral mx, nx, ID, freqs (Jordan PA, Valko PA)
- 13722 ISRAEL Kol Israel in HB 2135, Reshet Bet pgm, mostly mx, (Zilmer NM, Levison PA)
- 13755 USSR R. Moscow in EG 1711, jazz concert, much tlk re players (Levison PA 7/28)
- 14296 USA W3NAN in EG 2100, continuous relay of space shuttle-ground communications in USB mode, g (Zilmer NM, 7/29) Interesting catch, Bob.
- 15010 VIETNAM Hanoi in JP 2212, traditional-style mx, heavy static, p (Park HI 8/4)
- 15055 TAIWAN WYFR via WQFC in EG 2225, relig pgm, gospel mx, jamming, p (Park HI 8/3)
- 15100 USSR R. Vilnius in EG 2155-2205, IS, mailbag, instrumentals, g (McKellar CA 7/28)
- 15110 USA WMLK Bethel, Pa. in EG 1727-1845 testing in EG with scripture reading and request for reports, ID's (Hawk VA, Laskowski IN, Rigas IL, Muzyka NY - 7/14-8/1)
- 15115 GUAM KTWR in CH 2249, EG language lessons, ID in CH, jamming, p (Park HI 7/27)
- 15120 USA UN Radio Greenville in EG to Africa 1922, UN Radio Club, exc (Brann MO 7/18)
- 15125 USSR R. Moscow in EG 1538-1548, interview of WW II ex-soldier (Fleming MD 7/24)
- 15135 BRAZIL R. Record in PT 1620-1635, phone-in pgm, mx (Fleming MD 7/22) also hrd from 0145-0230 w/football game, ID 0200, many time tones (Plum NJ 8/1)
- 15140 CHILE R. Nac. de Chile in SP 2345, nx, f (McKellar CA) also in SP 0220 //9550 w/romantic ballads, Beatles mx, possible ID's, p (Jordan PA 7/13)
- 15150 USSR R. Moscow in EG 2034-2100, instrumental and opera mx, g (Bonnet IN 7/26)
- 15155 ECUADOR HCJB in EG 0230-0300, "DX Party Line", f (Hawk VA 7/14)
- 15160 ECUADOR HCJB in SP 2036, Quechua folk mx, tlks on UNESCO, f (Park HI 8/5)
- 15160 MEXICO LV de la America Latina in SP 1400, nx, ads, exchange rates (Lare 7/29)
- 15160 AUSTRALIA RA in EG 0400-0410, ID, TC, world nx, p w/ORM from HCJB (Trotto FL 7/9)
- 15170 USA WYFR Family Radio in EG 2310, "Open Forum", //15400, p (Park HI 7/27)
- 15175 USSR R. Atlantika in RS \*1200-1300\*, IS, ID, nx, mx bridge, tlks (Jordan PA 7/9)
- 15190 CANADA RCI in SP 0154-0200\*, mailbag pgm, mx, on again in FR 0200 (Park HI 8/5)
- 15190 BRAZIL R. Inconfidencia in PT 0228, ID's, Latin mx, anmnts (Paskiewicz WI 7/15)
- 15210 WEST GERMANY DW in GM 1735-1800, EZL mx, IS 1745, g (Dillon MD 7/20)
- 15215 USA WYFR Family Radio in EG 2103, gospel mx, relig pgm, p (Park HI 8/5)
- 15220 TURKEY VOT in TK 1415-1450, tlks, TK mx, skit, mournful vocals, f (Jordan PA 7/19) also in TK 1800-1845, world nx, ID, mx interlude, f (Dillon MD) mx 1642 (Levison)
- 15230 CUBA RHC in SP 0220, EZL Latin mx, love songs, //15340, both exc (Dickson OH)
- 15250 PORTUGAL 1832-1900 in FR to Afr, nx, mx interludes, cmntry, ID (Jordan PA 7/31)
- 15255 PORTUGAL R. Free Europe in CZ 1850-1905, pop mx, cmntry, ID 1859, jam (Dillon MD)
- 15260 ASCENSION IS. BBC relay in EG 2009, newsmagazine pgm, QRM, QRN, p (Park HI 8/3)
- 15260 UNITED KINGDOM BBC in EG with world nx (Levison PA 7/28)
- 15275 ECUADOR HCJB in GM 2100, ID in EG, "V" time sig, relig pgm, p (Park HI 8/5)
- 15275 WEST GERMANY DW in GM 1905-1920, nx, ID, nx, boys chorus, f (Dillon MD 7/20)
- 15285 PORTUGAL RDP in PT 1637, US top 40 mx & PT mx, interview (Fleming MD, Levison PA)
- 15295 USA WTNB Red Lion, Pa. in EG 1945-1959\*, chimes for 14 minutes, ID, f (Trotto FL)
- 15295 ECUADOR HCJB in PT 0125-0130, relig pgm, "V" time sig, QRN, f (Park HI 8/5)
- 15305 NORWAY RNI in EG 1400, IS, ID, nx, QRM Havana (Hinnow NJ 7/28) in NO 1730-1746\* w/mx requests, local pop & country mx, US pops, ID in EG & NO, p (Jordan PA 7/31)
- 15305 SWITZERLAND SRI in PT 2256-2305, Swiss mx, ID, nx, g (Trotto FL 7/10)
- 15306 GUINEA RDN Conarky in FR 1820-2000, Afro mx, ID, nx (Rigas IL 8/2, Zilmer NM 8/4)
- 15315 NETHERLANDS ANTILLES RN relay Bonaire in SP 0211, "Estacion de Alegria", p (Park)
- 15320 AUSTRALIA RA in EG 2325-0410 in EG, nx, mx, IS, ID (Bobb, Levison, Magick)
- 15320 AUSTRIA ORF in EG 1240-1255\*, political doings, noisy debates (Bonnet IN 7/12)
- 15330 ITALY RAI in EG 2205, nx beamed to Japan, f (Zilmer NM 8/3)
- 15330 USA APTS Bethany in EG to Caribbean 0136, "World in Review", p (Park HI 8/5)
- 15340 GUAM KTWR in EG 0001, IS, ID, "Thru the Bible", QRM, p (Park HI 7/29)
- 15350 LUXEMBOURG RL in FR 2305-2315, US rock, ID, QRM from TWR, f (Trotto FL 7/10)
- 15355 NETHERLANDS ANTILLES RN relay Bonaire in PT 0004, inspirational mx, p (Park HI)
- 15360 SINGAPORE BBC relay in IN 1049, new mx pgm, QRM from WQFC, f (Park HI 7/14)
- 15365 CANARY ISLANDS Spain relay in SP 2320, ID 2320, long tlk, f (Trotto FL 7/10)
- 15375nf USA VOA xmtr site unknown in EG 0346-0355, nx, "Jazz Hour" (Park HI 8/4, Magick)
- 15390 EAST GERMANY R. Berlin International in EG 1845, nx, f (Zilmer NM 8/3)
- 15400 ASCENSION IS. BBC relay in EG 1645-1730, nx, cmntry (Bonnet, Feeley, Park 8/4)
- 15410 USSR R. Moscow in EG 2310-2325, "Moscow Mailbag" w/Joe Adamov, g (McKellar CA)
- 15415 LIBYA LJB Tripoli in AR 1455, chants (Levison PA 8/2)
- 15425 USSR R. Moscow FE in EG 2030, nx, Soviet Army Song & Dance Co., p (Park HI 8/5) also in EG at 0400 w/nx and talk on arms race (Magick 7/24)

- 15430 USA AFRTS Greenville in EG 1235, world mx, baseball scores, cmtry, piano mx, beamed to Newfoundland, g (Bonnet IN 7/25)
- 15430 MEXICO XERMX (presumed) in SP 0137, Mexican-style compah mx, tlk, woman singing nortena mx, heavy QRM, p (Park HI 7/17)
- 15435 CHINA R. Beijing in RS 1800, IS, ID's "Govorit Peking", nx, QRM (Park HI 7/30)
- 15435 SINGAPORE BBC relay in EG 2311, report on release of Archbishop of Shanghai by Chinese govt., p (Park HI 7/6) also in EG 0000, "Radio Newsreel" (Sharpe CA 7/12)
- 15450 LIBYA R. Jamahiriya in EG 2145, Sat night country mx, nx, cmntry, g (Zilmer NM) also in EG 2258-2315\*, nx, ID, tlk on Libya's destined role (Jordan PA 7/28)
- 15495 KUWAIT RK in AR 1315-1335, tlks, ID 1330, AR mx, UTE QRM, p (Dillon MD 7/13)
- 15505 KUWAIT RK in AR 1332-1400, nx?, F vocalist, AR mx, animated tlks, f (Jordan PA) AR mx, chants 1452 (Leivson PA 8/2) also in AR 1622-1630, ID, //15495 (Trotto FL)
- 15555 CLANDESTINE R. Nejat-e Iran in Farsi? 1750-1830\*, impassioned speech, patriotic mx, possible ID 1800, polemics, many mentions of Iran, vocal mx, p (Jordan PA)
- 15560 NETHERLAND ANTILLES RN relay in DT 2130, nx, drama, p (Park HI 8/4, Leivson PA)
- 15570 SWITZERLAND SRI in unknown lang 0745, ID in EG, nx, //15305, 9560 (Fleming MD) ED: SRI airs a special pgm two days a week from 0745-0800 in Romansch which they describe as Switzerland's fourth national language.
- 15600 LIBERIA VOA relay Monrovia in EG 1730, "Now Music USA" (Park HI 7/30)
- 15750 SWITZERLAND SRI in EG 1530, nx, "Dateline", f (Zilmer NM 7/30)
- 17635 CHINA CPBS in Uighur 0621-0628\*, tlks, local mx w/sitar & violins, f (Park HI)
- 17640nf USA VOA Greenville in FR 1850-1915, nondescript mx, nx, QRM, p (Jordan PA 7/26)
- 17675 BELGIUM BRT in FR 1600 s/on with xmsn to Africa (Green TN) mx 1734 (Leivson PA)
- 17685 ISRAEL Kol Israel 1900 in EG, nx, cmntry, f (Zilmer NM 8/5)
- 17705 NEW ZEALAND RNZ IN EG 0130-0145\*, pop mx, s/off w/freq anmnts, f (Hill MA 7/9)
- 17715 AUSTRALIA RA via Darwin 0315-0400 in EG, report on festival of fine arts, mx (Plum NJ 7/10) also in EG 0803 w/nx, "Talkback" inc ANARC conv rpt (Park HI 7/28)
- 17730 USA WMLK Bethel, Pa. in EG 1703, organ music, very weak (Leivson PA 7/8)
- 17750 AUSTRALIA RA in EG 0200, nx, exc on 90 m. antenna, weak on others (Dickson OH)
- 17755 SURINAM via Radiobras in EG 1812-1823, tangos, nx, ID (Brann NJ, Weiss 7/15) also hrd in FR/EG/Lang 1745-1816\*, nx in DT, upbeat vocals, skeds (Jordan PA 8/2)
- 17765 USA AFRTS Delano in EG 0235, USFL championship football game, p (Park HI 7/15)
- 17765 BANGLADESH R. Bangladesh in EG 1230, world nx, weak (Hill MA 7/6) Good catch!
- 17775 UNITED ARAB EMIRATES R. Dubai in EG \*0330-0345, nx, wx, feature, //15435, 11730 (Hill MA 7/15) music, nx 1330 (Leivson PA 7/12) 2010-2055\* in AR w/xsmn to Eur & No Afr, local instrumentals, choral mx, ID, nx, exc (Jordan PA 7/20)
- 17780 USA VOA Greenville in SP to L Am 0205-0225, tlks, mx, ID, g (Bobb MN 7/29)
- 17780 PHILIPPINES VOA relay in KR 2135, nx, ID, cmntry, QRM, p (Park HI 7/5)
- 17785 USA VOA Bethany in EG to Afr 2200, nx in spec EG, piano mx, QRM (Bonnet IN 7/13)
- 17795 AUSTRALIA RA in EG 0200, world nx, exc on 90 m. 1/4 wave diag (Dickson OH 7/25)
- 17820 CANADA RCI in EG 1904-1930, Afr svce, nx, wx, sports, SWL pgm (Bonnet IN 7/23)
- 17825 WEST GERMANY DW in EG 1520, old jazz rx with explanations (Leivson PA 7/28)
- 17830 ASCENSION IS. VOA relay in SP to L Am 1130, IS, p (Laskowski IN 7/20)
- 17845 USA WYFR Family Radio in EG 1605-1634, relig tlk, mx, bible verses (Bonnet IN)
- 17845 TAIWAN VOFC via WYFR in SP/CH 2345-0030, oriental mx, tlks, ID, g (Jordan PA)
- 17850 USSR R. Moscow FE in EG 2243, promo for "Focus on Asia", QRM USSR! (Park HI 8/3)
- 17860 USSR R. Moscow in EG 0340-0355, polit disc (Hill MA 7/15) 0139-0200 in EG, "Round About the USSR", weak (Dickson OH) in EG 0606, "News and Views", p (Park HI 8/4)
- 17885 INDIA AIR(tent.) in lang 0644, Hindu and hiphop mx, QRM USSR (Park HI 8/4)
- 17885 ASCENSION IS. BBC relay in EG 1448, cricket match, exc (Brann NJ 7/16)
- 17885 CUBA RHC in FR 1845-1900, M & W w/tlks, ID, IS, f-g (Bobb MN 7/31)
- 17890 ECUADOR HCJB in EG 1325, nx (Leivson PA 8/1)
- 19470 PARAGUAY R. Nacional 2314 w/easy mx, fading sig (Leivson PA 7/7)
- 21535 SOUTH AFRICA RSA 1314, easy mx (Leivson PA 8/1)

\*\*\*\*\*  
 310 loggings received this month (up from 271 last month). Some were repeats of items listed in last month's FRENDEX and thus were not repeated here. Please refer to the August issue for a comprehensive update of the Log D section. Again, I want to remind contributors to include the time of the logging (in GMT). A few were not included this month since this important info was omitted. Thanks to all who provided listings this month.  
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# FRENDX LOG REPORTERS

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FRENDX LOG REPORTERS - SEPTEMBER 1985

Brian ALEXANDER, Mechanicsburg, PA.; Norman BOBB, Minneapolis, MN. (R1000); Charles BOLLAND, Lake Worth, FL. (R71A); Arthur BONNET, W.Lafayette, IN. (DX400); Dustin BRANN, Kansas City, MO. (ICF2002); P. "Pop" COSTELLO, Bothell, WA. (R70); Larry CUNNINGHAM, Columbus, OH.; Richard D'ANGELO, Wyomissing, PA. (R70); Richard DICKSON, Goshen, OH. (DX302); Peter DILLON, Columbia, MD. (DX400); Jim FEELEY, Norcross, GA. (R2000); Ulises FLEMING, Odenton, MD. (CR2021); Mike HARDESTER, Modesto, CA. (R1000); Michael HAWK, Hampton, VA. (ICF6800W); Ken HILL, Somerville, MA. (DX1000); Erik HINNOV, Bridgewater, NJ. (DX302); Rufus JORDAN, Pittsburgh, PA. (DX302); Steven LARE, Holland, MI. (R7); Tom LASROWSKI, South Bend, IN. (ICF200E); Harold LEVISON, Philadelphia, PA. (R70); Travis McLEMORE, Clearwater, FL. (FRG7); John McKELLAR, Chino, CA. (DX160); Mike MAGICK, Glendale, AZ. (R70); Bill MUZYKA, Woodside, NY. (RF4900); Dale PARK, Honolulu, HI. (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc, WI. (NRD515); William PLUM, Flemington, NJ. (FRG7700); Christos RIGAS, Chicago, IL. (R2000); Ldn ROBERTSON, San Diego, CA. (R70); Bryan SHARPE, Castro Valley, CA. (DX302); Dan SHEEDY, Encinitas, CA. (R70); DR. Richard SPEER, Baldwin Park, CA.; Steven SUMMERS, Mechanicsburg, PA.; Bob THUMBERG, DuBois, PA. (R1000); Ron TROTTO, St. Cloud, FL. (CR2021); George VADINO, Bellevue, WA. (R71); Dave VALKO, Dunlo, PA. (FRG7); J. WEISS, Oakland, ME. (ICF2002); DR. Richard WOOD, Hilo, HI. (R71A); Robert WOODS, Front Royal, VA. (RF4900); Robert ZILMER, Rio Rancho, NM. (R1000)

Another fine turnout by our members and we also welcome a couple of new comers and some old timers making a reappearance. Thanks to one and all.

Couple of items to mention here this month, that is the reason all were held to only one Receiver this month.

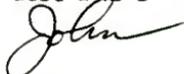
First, I'd like to remind all contributors that the deadline for this section is the 12th of the month. Last month, several Reporters had their loggings get here as late as the 20th of the month and in checking the Postmarks, I found they were posted as late as the 15th. Please allow enough time for our notorious Postal Service to do their thing with your entries. I hate to see good loggings go unused or heldup for another month.

Secondly, PLEASE, cut your loggings into useable strips. To those of you who cut, sort and band your loggings for each separate Log Column, my SINCERE THX.

Third (and lastly hi), Those of you who cut your loggings and then fold them to fit in a small envelope, I'm sorry to say that the good ole Postal Machines are having a field day chewing up your envelopes, they usually arrive here in a little plastic bag, supplied by the PO. Not a pretty sight I'm afraid. If at all possible, Please try to use a Standard #10 envelope, it will save your log reports from damage hopefully.

That about does it from here for this month my friends, just finished my vacation and the return to the workplace can be put off no longer hihi. Till next month, good luck to all. Hopefully the new DX season is about to start so I hope all have completed their new antennas and such.

Best & 73's



## HAP WORLDWIDE

**HAP BID ITEMS:** #116:KPBC plastic litter bag(7.5x12")blue,white.#117:KVOP plastic litter bag(11x15")yellow,B&W.#118:ABC-TV(Australia)sticker-pennant variety(4x6.5")brown,yellow-nice!#119:ABC-TV sticker(2x5")blue,white-pretty!#120:7NT(Australia)sticker(4x4.5")m/c.#121:IBRA Radio paper pennant(4x6.5")m/c.#122:CKKL golf tee,red,yellow-unusual!#123:Cleveland Area Cable TV cloth arm patch(3"cir)blue,white.#124:CKUA metal badge(3.5"cir)pink,purple-very nice!#125:CJXX sticker(5"cir)yellow,black.#126:CJXX station balloon,m/c.#127:CJXX station mug w/ cover,blue,white-very nice!#128:Viking Radio(UK)paper hat,red,white,blue.#129:CBC Radio(Canada)iron-on decal "90 Minutes w/ a Bullet",m/c-rare!#130:CBC Radio iron-on decal "Dr. Bundolos",m/c-rare!#131:CBC Radio iron-on decal "Touch the Earth",m/c-rare!#132:WLUP "The Who -Peter Townsend"paper mask,B&W.#133:Radio Rhema(NZ)medium sized poster,m/c.#134:RFI large plastic litter bag,red,white,blue-beautiful!#135:UAE Radio Dubai plastic pennant(4x9")m/c.#136:KYLR golf tee,white,green.#137:RFI plastic ID bag tag,blue,white,silver.#138:SWF 3(FRG)"Moose" sticker(4x4")m/c-pretty!#139:VOA sticker(3.5"cir)red,white,blue.#140:3ZB(NZ)plastic visor cap,black,red.#141:3ZB metal badge(2.5"cir)m/c-very nice!#142:Radio Bremen(FRG)sticker(2.5x3")blue,white.#143:Deutsche Welle new style sticker in German(4x4")m/c.#144:ORF(Austria)sticker in French(3x5")red,B&W.#145:Radio Clwyd(Wales)sticker(5"cir)m/c-beauty!#146:Radio Nacional de Venezuela decal(3"cir)red,white,blue.#147:Sudfunk 4(FRG)sticker(4"cir)m/c.#148:WLUP "Vapor-Chopsticks"red,gold-super!#149:CHEZ decal(3x14")m/c.#150:KNBE "Houston Gamblers" sticker(collectors item!!)(3x13")m/c-beautiful!#151:KRZI "Oldies"sticker(3.5x12")m/c.#152:KHCB "Christian"sticker(4.5x10")red,B&W.#153:CFMX "Drummer"sticker(4x9")m/c.#154:RJR Radio(Jamaica)sticker(2x8")m/c-beauty!#155:KFPT T-Shirt(S-M)red,B&W.#156:Radio North East FM sticker(4x11")B&W.#157:3ZB paper sticker-pennant variety(3x4.5")red,B&W.#158:WLANA bic razor,B&W-it works!#159:WKWD bic razor,yellow,black-it works too!#160:NMJS bic razor,blue,yellow-fine item!#161:RFI pen,heart shaped,orange,black.#162:Radio West station pen,red,white,blue.#163:CKMW decal(3x7")m/c.#164:CHEX sticker(3x12")m/c-nice!#165:7NT "Antique Car Coaster"(4x4")m/c-beautiful!!#166:DLF Radio(FRG)sticker(4x5.5")m/c-nice!#167:CKKW match book,red,white,blue.#168:CKKW "Gray Cup" metal badge,red,white.#169:CKKW "25th Anniversary" station sticker(2"cir)gold,blue.#170:CKQM/CKPT plastic pocket clip on-nice!#171:CKWS T-Shirt(XS)red,white.#172:CKKW "Toronto Blue Jays" litter bag(9x11")blue,white.#173:CKFM station pen,blue,white.#174:CKFM metal badge(2x3")blue,white.#175:CKFM "Cute as a Button" metal badge(3"cir)yellow,B&W.#176:CHOW sticker(4x8")yellow,white,blue-nice!#177:CHOW T-Shirt(M)m/c-very good looking.#178:NNRC bulletins,1975 complete.#179:NNRC bulletins,1972 complete.#180:NNRC bulletins,1976 complete.#181:NNRC bulletins,1978 complete.#182:NNRC bulletins,1971 complete.#183:NNRC bulletins,1977 complete.#184:DSWCI bulletins,1977 complete.#185:NNRC bulletins,1979 complete.#186:ASWLC bulletins,1979 complete.#187:ASWLC bulletins,1982 complete.#188:NASWA bulletins,1978 complete.#189:NASWA bulletins,1981 complete.#190:NASWA bulletins,1982 complete.#191:SPEEDX bulletins,1980 complete.#192:SPEEDX bulletins,1983 complete.#193:L'ONDE bulletins,1980 complete.#194:VHF-UHF Digest bulletins,1975 complete.#195:VHF-UHF Digest bulletins,1984 complete.#196:NASWA bulletins,1977 complete.#197:NASWA bulletins,1979 complete.#198:LWCA bulletins,1984 complete.#199:KOME cloth arm patch(1.5x1.5")yellow,black.#200:German Beer Coasters, 3 different(4x4")m/c-very nice addition!#201:6WF(Australia) cloth arm patch(2x3")blue,orange,white-very nice!#202:BBC(UK)metal key chain,silver-super item!#203:WPLJ T-Shirt(M)B&W.#204:CKLG 12" plastic ruler,red,white.#205:7ZR(Australia) sticker(2x10")red,yellow,blue.#206:4ZA(NZ)plastic & metal key chain,B&W-super!#207:KQDS cloth arm patch(2x4")black,orange.#208:WLUP T-Shirt(S)blue,white.#209:WRTH 1982, top condition.#210:WRTH 1983, top condition.#211:WRTH 1981, top condition.#212:WRTH 1985, mint condition.#213:WRCK T-Shirt(M)blue,white.#214:KOME T-Shirt(S)yellow,black.#215:WPLJ T-Shirt(M)white,gray.#216:Radio New Zealand "Kiw" pin,gold.#217:Spectrum World Broadcasting(UK) paper pennant(4x8")yellow,black.#218:4ZA(NZ)sticker(4x5")m/c-nice!#219:Radio Seven(France) sticker(3x6")red,B&W.#220:BBC Radio One match book,m/c.

**HAP DIRECT SALE ITEMS:** The following stickers/decals are available for \$.25 each or any five (5) for \$1.00. New since last issue:Radio Hallam(large)(small),KRBC,CKPG,Signal Radio,WJWC,CKEC,Viking Radio,Red Rose Radio,Radio Lancashire,CFRN,CKUA,KAIT,Radio RSA,Radio Populare,WYFR,Radio Tees,Deutsche Welle(EG),KNUI,WINK,Radio Humberdale,Radio Fase,Q-93,97-rock,KZEU,Merica Sound,Radio Luna,South Coast Radio,ERF-TV,CFGO,CFOR,CKLC,KACC,CFRY,CJTB,CJET,KRBE(rock),CJBY,CKUE,CKPR,CJRT,CJCL,CJSE,FM-108,Radio Peter Flowers,Radio Luna(DC),CKQM,CKTA,CKWS,CKPT,CKKW,CHEC,CKCO-TV,WPCW,WOWI(large)(small)(music),CFOS. We also have CIRK(large)(small),KHCB,CPGN,CBC,CKRY,6WF,WIIZ,WXQR(large)(small),2ZW,KSEI,KXYX,KQUE,WYXX,KNFA(large)(small),FM-105,96-rock,ANARC(large)(small),WQMR,WABD,NAAX,KROY,KEY-103,WLUP(large)(small)(cir.),KITS(large)(small),WAPP,KBUC,WFKB,KOA,KVPR,WCAU,KLOR(large)(small),WNOR,Q-107,KYXX,KGRI,KNAL,FM-99,WIIC,KORA,KVWC,XBTC,WIBJ,KLVI,KVOC,KTIM,KLOR,WPLJ(rock)(Prince)(Lewiss)(John),KLOS(rock)(Party Animal),KFPT,KBQB,KERV,KXYL,KTRH,KIKR,KRQR,WNBC,WLS,KCFM,WQYK(large)(small),WHRG,TV-20,KLVL,WBWA,K-94,102-FM,WAQY,KHJK,KFAN,KWRW,KRYS,KWED,KPXE,KRBA,KNIN(large)(small),WXLX,MTV,94-FMX,KSAM,KRVL,KVET,WONE,CKBW,RCI,CKEG,CFNB,CFCB(yellow)(blue),CJHW,CFRA,CKCK(large)(small),CKKR,CJVI(marine)(hockey)(cir.),CFAX,CKSA,CKND,CFCY(cir.)(large),CJAT,CKOM,CFTI,CKIK,CKNL,4XD,Radio West,4MK,2WD,Radio Medway,2CH,2YE,KAIM,More next time...Sam.

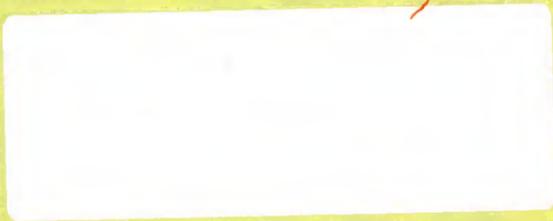
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