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NORTH AMERICAN SHORTWAVE ASSOCIATION

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OCTOBER 1970

VOL. IX NO. 10

NASWA HEADQUARTERS POST OFFICE BOX 989 ALTOONA, PA. 16603 USA

BOUQUETS AND/OR BRICKBATS

Congrats to Roy Waite who has long served the hobby and its followers in many and varied ways over the years. He well deserved being named "Man of the Year" and being awarded the 1970 ANARC plaque.....A Tip of the Topper to Hal Morgan and his 'Swaps NewsLetter' which is the delight of those interested in cards swaps and tapesponding, idioms of promoting "Unity and Friendship".....Baloney to those who merely subscribe to bulletins of clubs and set back enjoying the reports, etc., submitted by sincere members, yet do nothing in way of reciprocation or giving thanks.....Best wishes for luck and success to Wendel Craighead who will take over as Executive Secretary of the Association of North American Radio Clubs next month, replacing Gray Scringeur who has completed his term of office and did such outstanding job.....Our thanks to those members who have sent in pix or photo's for use in bulletins. This is the support necessary if such pages are to continue to appear. Have you sent yours in yet?.....Sour apples to those who complain about various articles, etc., used in bulletins, yet will not take the time or effort to contribute such which they consider more useful/interesting.....Special plaudits to our member Chris Iobdell for his fine support re the 'White Lists' he has been compiling for our QSL Report sections. Although he is also a member of ASWLC and edits segment of the SWR for that club (and does an excellent job!), he still finds time and desire to do his thing for NASWA. Good show Chris! The clubs and the hobby need more of your heart/calibe.....We are pleased to make mention the fact that in near future we will have added aid with work load here at club Hdqs. A Corresponding Secretary will be named/appointed. All members are alerted to watch for official announcement hereto.....Lastly, our thanks to those members who reported this month, making this edition possible. Bill Eddings

ROSH HASHONAH + YOM KIPPUR

Belated best wishes for those of our members/friends celebrating holidays this month!!!

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SORRY!!! This edition is a few days late being mailed in that we had hoped to include a few extra special contents. After careful thought and planning however, it has been decided to hold them over until later, probably to appear in either the November and/or the December bulletins. One such special will be a sixty meter band survey compiled by our Log Report editor Dan Ferguson. Other of the specials will be equally useful as well as interesting to all members. Of course our December (Christmas) edition is always our most lengthy of the year; Nobody will want to miss it. Plan now to be a part of it by contributing to one/some of the various sections that month. Your support will be needed! Incidentally, a gift membership makes an ideal Christmas present for a new DXer or friend.

NEW MEMBERS, WELCOME!!NON-RENEWALS

Larry Schlossman, New York, New York. Via PE Communications Handbook.
 Richard Eddie, Saint Louis, Missouri. Via PE Communications Handbook.
 Harold T. Sellers, Uxbridge, Ontario. Via member Richard Heggs.
 William Buell, Springfield, Ohio. Via member Harry Smith.
 Glenn Rinks, Saint Louis, Missouri. Via PE Communications Handbook.
 Mike Clyburn, Kissimmee, Florida. Via 1970 World Radio-TV Handbook.
 Johnie Ray Gager, Lewiston, Idaho. Via PE Communications Handbook.
 David Lewsley, Rochester, Michigan. Via a fellow SWL/DXer.
 Robert Stroup, Warriors Mark, Penna. Via PE Communications Handbook.
 Harold Kalkstein, Philadelphia, Penna. Via ANARC DX Census.
 John Filipovicz, Kendall Park, New Jersey. Via NASWA Hdqs.
 Daniel Romanchik, Warren, Michigan. Via PE Communications Handbook.
 Aime A. Beaudry, Manchester, New Hampshire. Via ANARC DX Census.
 Chris Brooks, Morrison, Colorado. Via ANARC DX Census.
 Mark Hogarth, Bronx, New York. Via PE Communications Handbook.
 Guenther Tomasz, Philadelphia, Penna. Via Radio Nederland "DX JukeBox".
 Lawrence Magne, Philadelphia, Penna. Via 1970 World Radio-TV Handbook.
 Wayne Benkinney, Flint, Michigan. Via 1970 World Radio-TV Handbook.
 Andy Kerr, Creswell, Oregon. Via PE Communications Handbook.

RENEWALS

Second year: Richard Clark, Harry Johnson, Dan Morisseau, Ron Bruns.

Third year: Len Hoskins, Bill Higgs, Jim Jankowski, Irwin Glassberg, Ron Vysocky, John Figliozzi, C.W. Chadwick, W.R. Cole.

Fifth year: Art Glover, Al Niblack, Roger Camire, Andy Rugg.

Sixth year: Gregg Calkin, Marlin Field, Gary Wallin.

(NOTE: Members joining or renewing after the 20th of month will be listed in the next months bulletin.)

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NASWA & FRENDX, BEST COMBO FOR SWBC DXers!!

A few months back, Hdqs began sending out a brief questionnaire along with notice to members when they were due for renewal. The main reason was to find out why, if such was the case, the member decided not to renew. Below then are some of the replies from those who were good enough to return the questionnaires.

"Dont have time for much DXing anymore and cant afford better receiver." H.G.Randall

"NASWA is best for an active SWL/DXer and since I am neither, I do not consider my renewing justified." C.Poole

"Presently more interested in MW and have decided to join IRCA." D.Kenney

"I have heard China, Japan and can get Radio Australia almost every morning. Thats enough for me." H.W.Kirsch

"No longer interested in a club." R.Williams

"Am only 14, not serious DXer and since I dont want to be just a 'bulletin collector' I am doing club favor, not renewing for another year." V.Cortina

"Have taken on editing job with another club. Also being I am family man and do not have excess funds, I cant afford being a member of several clubs." C.Duncan

"Losing interest in hobby." S.Rowell

HELPING HAND SERVICE

Wanted: Service manual for BC-348-J receiver
 Please contact Joe D. Rippe, 140 Paw Paw Lake Drive, Chagrin Falls, Ohio 44022. I would also like to hear from fellow members who have this model receiver...or other of the surplus variety.

AVAILABLE SOON!:

We are presently having club stationary printed...also have reordered new supply of club rubber stamps. As soon as these are received there will be announcement made as to prices and where to send orders. In meantime, please do not request. Thanks!

NASWA MEMBERS, STATESIDE & ABROAD



Robert Padula, Australia



Frank Peters, Illinois



Richard Heggs, Canada



Robert Scott, Tennessee



Wally Glavich, California



Jim Weber, California

For info/data on above NASWA members, see next page. Have you sent your pix yet? Remember, photo pages, as with all sections of bulletin, depend on support of members. Send your pix or snapshot to be contained in future edition. Thanks!!!!

FRANK PETERS, Chicago, Illinois. Now in his eighth year w/NASWA. He is unmarried and is employed as a freight router. Receivers: Drake R4B, National HRO500, Hammarlund HQ180A. Antenna: 35' interior long-wire. Number of SWBC countries verified is 191. In addition to SWBC, also DXes ARO and UTE bands. Main interest in hobby is to hear rare stations/countries and make friends.

ROBERT PADULA, Victoria, Australia. Has been with NASWA for five years. He is single and is a Telecommunications Engineer. Receivers: Marconi CR100, Lafayette HE230, Eddystone EC10. Antenna: Dipoles for 15 MHz, 9 MHz and 5 MHz. To date he has 187 veries from SWBC countries. Primary objective in hobby embraces the reporting and verification of stations both international and local.

ROBERT SCOTT, Kingsport, Tennessee. In his first year w/NASWA. He is to be married this month. Vocation is electronic technician. Receivers: Heathkit SB301 and Hallicrafter SX96. Antenna: 120' inverted L and 33' vertical. While interested in SWBC DX and having verified 30 countries, he is ARO (WN4RVE) and enjoys sending technical reports to stations which are interested.

RICHARD HEGGS, British Col., Canada. Has been with NASWA for two years. He is single and works as a business machine technician. Receiver is a Heathkit SB310. Antenna: 75' long-wire. To date has verified 86 SWBC countries. Main interest in hobby is to listen and learn about as many different countries as possible and develope friendships with others who have similar interests.

JIM WEBER, Beaumont, California. A new and young DXer in his first year w/NASWA. He is a highschool student. Uses a Drake R4B receiver. Antenna: 95' longwire and inverted V. To date has verified 45 SWBC countries. Is interested in collecting QSLs, logging new countries and sending reports to stations.

WALLY GLAVICH, Eureka, California. In the hobby since 1947, he is now enjoying second year w/NASWA. He is married and a house painter by trade. Receivers: Collins 51J4 and National HRO50. Antenna is a windom. Not especially interested in QSLs, but has verified 40 SWBC countries. Prefers SWLing rather than DXing.

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Our thanks to the above members for their pix and the info/data therewith which gives us opportunity to become better acquainted. We hope numerous other members will give us same opportunity in future by submitting pix, along with bit of info and data which we can use in upcoming bulletins. Your cooperation is requested! Remember, we cannot use color shots...only black & white. Send direct to Hdqs. Next month watch for; Chris Lobdell, Dave Baltimore, Ross Hulvey, Bob Peritz, Don Jensen, Bob Shepherd, Andy Rugg, Bob Estand and Don Schied featured on our pix page.

Exclusive

THE LOUDENBOOMER REPORT

Exclusive

This Month Presenting a Myriad of Miscellany

Ever read those commercials in magazines that are promoting one company of another's portable, 27 band, all transistor, AM-FM, LongWave, Police Band, ShortWave receivers? I get a kick out of those! "Hear calls for 'May Day' they say; "Tune in on a manhunt" Hear the opera live, direct from Rome", "Hundreds of countries at your finger tips", Mighty Magnet whip antenna pulls in stations half way around the world!" One even goes so far as to guarantee you'll hear stations 5000 miles away. Strange, but in all my days of radio (and you better let yourself know, that's a heap of days!) I have never heard a "May Day" call or live opera direct via Rome. Maybe I've been using the wrong gear and should get one of the new MaleDuck SPX4.

Question of the century: Did the ChiCom I satellite use a portable or mobile transmitter??? (What do you say TX?)

Yours truly casts his vote for the ultimate insult to a DXer....receiving an SWL swap card,,,postage due!!!!

At the moment, the most exciting news in DX appears to be the new Galapagos Island station. I fear I must pass along some sad news to those avidly chasing this one. Word direct from the stations Western U.S. Representative indicates that previous information released about the station is wrong: Actually, La Voz de Galapagos is on the air at 1815-1830GMT on 2.491MHz. Twice a week this transmission consists of live broadcasts of the wind and wild animal noises. Verifications are printed on tortoise shells.

I am pleased to report that the first annual convention of the Association of Central American Radio Clubs was held last month in Bluefields, Nicaragua. The main business meeting was occupied with making a decision as to which of the two people attending would be named president and which would be secretary of the club formed at the meeting. ACARC now has one full member club, but it is believed there will soon be an associate member, the Southwest Panamanian Listeners Club, located in Southwest Panama...where else? is making a bid for the distinction.

Got the new Gilfish catalog yet? Don't pass up those special forms for making your own band surveys between 17.800 and 17.900MHz. They're a steal at \$2.98 per dozen.

Someone asked me the other day whatever happened to the International WorldWide Continental DX Association. Well, we are having a few problems. As you may know, our bulletin has been published out on WCNA and our publisher thought it would be a good idea if he ran the copy the long way on the page. He insists we need something to 'set us apart'. The BOD (taht's me!) violently disagree's...so things are at a standstill being the publisher now refuses to run off any more copy. How'd you like to crank a mimeo? All you need do is purchase one and go to it!

Many of my fans have noticed and made mention in mail to me that I don't seem to get around as much as I once did. While there is some fact to this, there is also fantasy. True it may seem that I don't get around much these days, but that is only due I am not revealing all as I once did. My sojourns of late have proven to me that there are not as many truly friendly and jovial SWLs/DXers in the hobby as there once was. Nowadays most prefer organizing little cliques/groups of their own. Instead of giving reason for a smile or bit of humor on occasion, there are more who desire seriousness rather than the lighter side. Yours truly just cannot go along with those who emit jealousy or continually complain about petty points that basically mean nothing to the hobby. And although I can be as serious and mundane as the next man, I still contend that there is need for a smile, for a dash of humor to assist in the pleasures of the hobby. If we forget how to smile, especially in hobby...and take everything serious, look out for a windfall. Yes, ole Charlie intends to stick around, and you will be reading my reports in these pages...it will take more than a couple sour-pusses to make me give up!

...Charlie Loudenboomer

NASWA ANARC REPORT OCTOBER 1970

Another very successful ANARC Convention was held in Chicago the 31st of July, 1st and second of August, hosted by Jerry Heien and John Kadulis. 29 DX'ers, representing NASWA, ASWLC, IRCA, MWDXC, NRC, NNRC and WTFDA were on hand at the Lake Tower Inn.

The fun began with registration and informal get-togethers on Friday evening, including a rush, adventurous trip to O'Hare Airport by host Jerry Heine and yours truly, seeking NRC'er Phil Sullivan. The Friday night talks lasted well into Saturday morning.

Following breakfast, most of the group enjoyed a fascinating tour of WGN AM-TV, a fantastic operation if there ever was one!

After lunch, a general meeting featured a talk by Don Jensen on the "ABCs of DX Writing". Don discussed writing articles for magazines, publicity through newspapers and about improving the writing found in club bulletins. Executive Secretary Gray Scrimgeour reported on ANARC Activities during the past year and called upon committee chairmen present to report on their activities. These included summaries of the Awards Committee and DX Archives Project, the DX Census. Written reports from the QSL and Frequency Recommendation Committees were read by Scrimgeour. This was followed by a general discussion of ANARC and its projects.

Roast turkey with all the trimmings was the banquet fare on Saturday night. WTFDA's Morrie Goldman gave a talk on International TV DX with audio tapes of overseas TV catches along with video tape highlights of TV DX.

The 1970 Man of the Year was announced by Gerry Dexter. He is LeRoy Waite, longtime editor of the very successful NNRC Amateur Section and operator of the ARRL-sanctioned SWL QSL bureau. Roy had to give up his editing duties a year ago due to illness but he still provides many, many ham listeners with cards they would otherwise not receive. Our congratulations to a fine man who has done so much for the hobby!

Next it was prize time with the two main prizes going to NASWA'ers Martin Madely who won the first prize..a Sony Portable TV and Gerry Dexter who won the Moseley SWV-7 antenna. Other prizes included DX records, books, credit vouchers, QSL holders, maps and a year's membership in MWDXC. Movies of TV DX followed the awarding of prizes.

After all of this, Executive Secretary Scrimgeour called a meeting of the advisers, committee heads, representatives and those acting as club delegates to the convention. In a "smoke-filled room" session that lasted until well after midnight a wide variety of ANARC problems and plans for the future was discussed. Hopefully, some of the ideas discussed that Saturday night will be announced in future NASWA-ANARC columns.

A delicious breakfast for the conventioners was held Sunday morning and Scrimgeour gave a short conclusion talk. Informal discussions continued as the numbers dwindled until about noon when it was all over for another year. NASWA wants to extend its thanks to Jerry Heien and John Kadulis for an excellent planning and hosting job. From the comments we heard, everyone had a great time and we are already looking for a site and host(s) for 1971. Interested?

More about ANARC and its activities next month. See you then.

73,

Del and Gerry

LATE NOTE...The new Executive Secretary for ANARC, effective in November, will be Wendell Craighead, NASWA member. Gray Scrimgeour will take on duties as NASWA-ANARC Rep.



SHORTWAVE CENTER

WILLIAM A. MATTHEWS, EDITOR
POST OFFICE BOX 15306
COLUMBUS, OHIO 43215

Deadline 15th of the Month
Your support is solicited!

RADIO AND THE PERUVIAN EARTHQUAKE FOLLOW-UP

In the August issue of the SWC, we presented an article entitled "Radio and the Peruvian Earthquake" written by George Schnabel. At the end of the article I requested that comments, if any, be sent to me for possible inclusion in a future issue of the Short Wave Center. Recently, I received a letter from the British Broadcasting Corporation in London which took issue with statements concerning BBC news coverage of the earthquake disaster. In order that we might present an objective report, we hereby wish to quote from the BBC letter.

"It became the lead story as soon as it was clear that it was likely to have been a major disaster (though details reaching London were still very scanty at that stage) and remained the lead story for a very long time. We flew our Latin American correspondent from Buenos Aires to Peru on 1st June, and Charles Wheeler and a cameraman travelled there from Washington to provide coverage for television.

I do not consider Mr. Schnabel's comment in his report that 'At least the BBC had troubled itself to pick up a news lead from a continent which hadn't seen any Clive, Kitchener or Lawrence and therefore couldn't be of any consequence to the English Speaking World' justified. Our news judgments are not made on the basis of what is of consequence to the English Speaking World, but on what we consider important or of significance to the world in general."

Our thanks to the BBC News Editor for taking the time to write to the Short Wave Center regarding the article in question.

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DX ATLAS: SEYCHELLES
Kris Lemna - Bill Matthews

The Seychelles archipelago has a land area of about 100 square miles although the islands are spread over a very large area of the western Indian Ocean. The group comprises 85 islands of which 40 are in the granitic group and the balance of 45 in the coralline group. There are, in addition, a number of tiny cays and rocks.

The largest island is Mahe, which has an area of about 55 square miles. It is approximately 17 miles long from north to south and varies in width from $3\frac{1}{2}$ to 5 miles east to west. A central mass of granite peaks rises to nearly 3000 feet above sea

DX ATLAS: SEYCHELLES

(continued)

level. Mahe lies nearly 1000 miles due east of Mombasa, 600 miles north of Malagasy and 1750 miles south-west of Bombay. The capital town of Victoria is the island's only port and is situated on the east coast 4 37'00" south of the Equator.

The other granitic islands, which include Praslin, the second largest island, are all within a radius of 35 miles from Mahe. All, like Mahe, are of great scenic beauty, with lush, green vegetation (but no poisonous snakes). The islands are about 600 million years old - being the world's only group of ancient granite islands in mid-ocean. The coralline islands are in general only a little above sea level and have no permanent population. Many are typical atolls, hardly touched by time.

The climate is equable and healthy with only slight variation of temperature from 75 to 85 degrees Fahrenheit. The coolest time of the year is during July and August when the South-East Monsoon is blowing. The hottest months are March and April during the North-West Monsoon. The humidity averages 76 per cent.

Rainfall is high but much of it falls in sharp, heavy spells - often at night - and the rainclouds soon disperse to be replaced by bright sunshine. Normally the two wettest months are December and January. All the islands lie outside the cyclone belt and high winds are rare.

There are no indigenous people of the Seychelles as the islands were completely uninhabited (apart from giant land tortoises and the now extinct crocodiles) until the middle of the eighteenth century when French settlers came, bringing with them their African slaves. Since then there has been a small influx of Chinese and Indian traders who today form the main mercantile class.

According to the latest figures available the present total population is about 50,000, of which nearly 90 per cent, live on Mahe. There is only a small number of about 250 expatriate British retired persons and officials resident in Seychelles. Since 1963, when an American Satellite Tracking Station was constructed on the mountain mass of La Misere on Mahe, the expatriate population has been increased by about 120. The islanders are charming and hospitable people. The official language of Seychelles is English. French is also spoken but the majority of the people speak Creole, a French patois.

DXers have the opportunity to hear the Seychelles through FEBA-Far East Broadcasting Associates. In a recent development technical progress has advanced to a position that programs are now relayed by V.H.F. link from the studio in the hills of Mahe, to the transmitter site on the coast, north of Victoria, a total distance of 4 miles. From there they are broadcast by a 30KW short wave transmitter, operating at present into an aerial array erected on the beach just outside the transmitter building. Future plans include a complete aerial system on the coral barrier reef about 3/4 mile out to sea.

Our thanks to FEBA for providing the material which made this article possible.

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Every day all the country's radio-broadcasting systems put out a total of more than 1,300 hours--almost two months--of programmes in 127 languages. Soviet citizens have about 40 million piped radio receivers and over 46 million radio sets.

....Moscow News
via Bob Hagerman

MULTI-FREAK RECEPTION

Jan Tuner

Reading about the fishy loggings of DX-ers with little experience or of those suffering from a complex of inferiority, I recalled a few incidents. I conduct a bi-weekly DX spot over Deutschlandfunk, Cologne. It is broadcast Wednesday and Saturday at 20.45 GMT on 1268 kHz. Transmitter power is 600 kW, which is a powerhouse in northern Europe as you can imagine.

Every now and then I use recordings of rare DX stations in the spots. On one occasion I played the ID of KNDI Hawaii. Well, it is a small world full of strange coincidences. A few months later I received an Award application from a German DX-er. The award is issued by the technical magazine, Technik for Alla, the DX section of which I edit, and it is based upon verified radio countries. This German fellow claimed he had a QSL from KNDI Hawaii. My first reaction was, of course, "the kid is crazy" but after some days it suddenly struck me! He in fact did hear the identification of KNDI - but in my programme! KNDI is operating on 1270 kHz and Deutschlandfunk on 1268 kHz! What a coincidence! Of course his judgment was rather poor but he did hear a clear ID on the assigned frequency of the station, at least it appeared to be 1270 kHz. Well, if you are really new in DX such things may happen. I can tolerate his bad judgment but what about KNDI? They verified his report....

A couple of months later I had a feature about Radio Atlantico, Canary Islands. I had paid a visit to the station and its Swedish programme. Besides an interview with the Swedish manager I played an ID in Swedish. A week later a fellow phoned me. He had heard the Swedish Tourist programme of Radio Atlantico loud and clear and was quite excited. At first he had phoned Radio Sweden but they knew nothing about it, so he was advised to ask at Technik for Alla and they forwarded his query to me. I would never had guessed what he had heard (or how much snaps he possibly could have been consuming) had I not prepared the programme myself.

The cases above both illustrate a fantastic coincidence - coming directly to my knowledge. But I keep asking myself: How many excited "DX-ers" all over Europe are digging gold from 1268 kHz in the evenings? I have a fine ID from the Solomon Islands BS and a programme about the station is projected, but....

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COLOMBIA CLOSES RADIO STATION

The Colombian government ordered "provisional" shut down of the "Nueva Granada" radio station of the National Radio Network (RCN), for broadcasting news dispatches "affecting internal tranquillity."

The station broadcast several items Monday reporting an alleged assassination attempt against President-elect Misael Pastrana Borrero.

Pastrana Borrero denied the accuracy of the dispatch in person and it was corrected by the station, but not until several "news items" had been broadcast regarding the incident.

The national radio network, with 48 stations is one of Colombia's three largest. It was believed to have been the only network to have carried the false report but authorities said they were checking out the incident further.

.....Pittsburgh Press
via Alan Jeeves

GROWING AUDIENCE FOR SHORTWAVE RADIO

Richard E. Wood

As the previous article in this series pointed out, shortwave radio listening is on the upswing in North America, and worldwide broadcasters are gaining growing audiences in the U.S. and Canada. But the prime target of the shortwave voices of the world's leading nations is the Third World, the developing countries of Africa, Asia, and Latin America.

While shortwave radio in North America is for most listeners, a hobby, a source of entertainment and additional information beyond that which is readily available from local and national sources, in the Afro-Asian countries it is the prime communications medium. It is the key to national unity and the means by which educational campaigns may be carried out. News of the activities of the government can only reach the hinterland by shortwave radio from the capital.

In such nations as Ghana and Indonesia, shortwave is the standard domestic broadcast band, and the AM and FM bands, so widely used in the developed countries, are little used. This means that domestic broadcasting occurs on the same general range of frequencies as international broadcasting, and that there is no clear distinction between domestic and external radio, as there is, for example, in North America.

Only a few years ago, most of the European colonies in Africa did not have radio stations, or had very weak, local-coverage outlets, mostly relaying the news from the BBC in London or the ORTF in Paris. Now, however, the situation has changed completely. With assistance from friendly powers, large stations have been erected in almost every African country, permitting coverage on an international scale, as well as vastly expanded domestic services. Such nations as Ghana, Tanzania, Nigeria, and Senegal are now competing with the great powers in the international bands. There has been a similar escalation in Asia.

Transistorized shortwave receivers are now found in the remotest areas. Often, all the inhabitants of a village in Africa will pool their resources, buy a multi-band receiver, and gather around it in the evening. They will listen to the news from their national station, but will not hesitate to compare it with the bulletins from the Voice of America, the BBC, Radio Moscow, Radio Peking, or a dozen other stations now beaming programs to Africa in appropriate languages, and with music and styling to appeal to the African listener.

But the shortwave bands are crowded, and the receivers in use in the Afro-Asian countries are not always powerful, selective, or complete in their coverage. They may not be equipped to receive the bands which could give interference-free reception over a distance of many thousands of miles at peak listening hours.

The Voice of America was one of the first international broadcasters to feel the effects of this problem. The United States is relatively remote from Africa and Asia, and high-quality signals direct from the U.S. to those continents are hard to achieve. The Soviet Union, on the other hand, is more centrally located with a large number of strategic countries within easy reach of signals directly broadcast from its own territory. From the very beginning, the Voice of America and Radio Moscow have adopted different approaches to the problem of reaching the overseas listener. Radio Moscow has concentrated on establishing batteries of transmitters all over its own territory: It can reach Western Europe from locations in European Russia, South Asia from Soviet Central Asia, and the Far East from Siberia. It has even delegated part of the job of speaking to particular neighbor countries to those Soviet republics which are similar in race and culture.

Ever since it began operation, at the end of World War II, the Voice of America has

GROWING AUDIENCE FOR SHORTWAVE RADIO
(continued)

used a world-wide network of transmitters, fed from stations on the East and West coasts of the U.S. In the days of the Cold War, the chief relays were in, or beamed to, Europe, from such sites as Tangiers, Munich and Thessaloniki. Today, the emphasis is on Afro-Asia, and there are new relay stations in Liberia and Thailand. Likewise, Britain's BBC operates from Ascension Island in Mid-Atlantic, Cyprus, and Malaysia. Communist China has recently used the territory of its European ally Albania to establish a relay base located near Durazzo. It now has a voice in the heart of Europe used also for broadcasts to the Americas.

As the "relay race" escalates, nations not usually regarded as world powers become involved. Radio Nederland, for instance, the Dutch World Broadcasting Service, now broadcasts from the West Indian island of Bonaire, and another Dutch voice will soon be heard from the Malagasy Republic. West Germany, in a rapid postwar recovery, now operates in some thirty languages and has a relay in the heart of Central Africa, at Kigali, Rwanda. Another is planned in El Salvador. The ORTF of Paris during the presidency of Gen. Charles de Gaulle announced plans for three relays, in French Guiana, New Caledonia, and in the former French Somali Coast, now the Afar and Issa Territory.

However, there has been no real progress toward the activation of these relays, and it must be said that France is the only major power which has fallen behind in the power race and international broadcast coverage. The ORTF broadcasts in only 16 languages, including only 45 minutes daily in English, which contrasts with the 76 languages now used by Radio Moscow, and the 40-odd languages used by the BBC, the Voice of America, and Radio Peking.

New relays are constantly coming on the air, new languages being introduced, and the steady growth of international shortwave broadcasting continues.

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THE CBC'S NEW BROADCASTING COMPLEX

One third of the construction of La Place de Radio-Canada, the CBC's new broadcasting centre in Montreal, has now been erected. The huge building should be finished on time--in autumn 1971, and regrouping of the CBC's Montreal facilities in the new premises can start immediately afterwards (they are at present spread among some 22 buildings throughout the city). About one year after completion the whole complex can be made ready for full radio and television production.

The building, which is located on a 25-acre site in the east central section of Montreal, was designed by the CBC Engineering Department. The structure itself will fill only part of the site, ample space having been foreseen for landscaping and future expansion. It is composed of a 320ft-high tower and of a low broad structure at the base. The hexagonal shape of the 25-story tower, which will house mostly offices, eliminates the need for corridors and permits easy partitioning; it also affords all occupants a view of the outside--a magnificent sight of the Laurentian mountains to the north, the centre of the metropolis to the west and, to the south, the Expo 67 exhibition site 'Man and His World' and the entrance to the St Lawrence Seaway.

The Place de Radio-Canada will contain seven colour-equipped tv studios and 26 radio studios, all of which are being built partly below ground level. The largest

THE CBC'S NEW BROADCASTING COMPLEX
(continued)

television studio will have an audience capacity of 600 spectators.

When completed, the building will become the headquarters for CBC's French tv and radio networks and local French-language stations; in addition, it will house the production facilities of certain English network radio and tv stations as well as the headquarters and production facilities of the International Service (which broadcasts in 11 languages throughout the world), the Northern Service (for Canada's Arctic regions), and the Armed Forces Service (supplying programmes to Canadian military personnel in various parts of the world).

The centre, which is being built at a cost of \$66,200,000, incorporates such interesting features as an air-conditioning system using water pumped direct from the St Lawrence river behind the building and directed to the air-conditioning equipment before being returned to the river, and a heating system by which the enormous amount of heat generated by electronic equipment, tv studio lighting and general lighting in offices and studios will be recovered, stored and used again as required throughout the vast complex. The building is also designed to withstand earthquakes.

The removal of the CBC with its 3,000 Montreal employees to an area of the city which has until now been relatively quiet will stimulate growth in the sector and have a major impact on its economic activity.

.....European Broadcasting Union
Journal via Richard Anderson
.....Broadcast Engineering via G. Dexter

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THIRTY-THREE YEARS OF DX - THE PRE-WAR YEARS

Dr. Tom Williamson

It all started in England at Christmas 1936. I was a thirteen year old schoolboy, and my father gave me an "educational" present, a radio "kit" to build a 5 tube all-wave receiver, the S.T. 900. This was hardly the traditional start for a SWL in those days! One should have built a "cat's-whisker" type of crystal set, and then worked up to a multi-tube set. Moreover the S.T. 900 was a highly unconventional set, battery-operated, covering 29 mhz to 140 KHZ (long wave!), with sets of plug-in coils. It was a T.R.F. circuit with two R.F. stages, very sensitive, but not selective compared to a superhetrodyne receiver. However, I managed to build it successfully, and was launched into the world of short-wave listening. This was to be my only receiver until after the war, in 1946, so for ten years it served me happily from school days to manhood!

The first year or so I spent twiddling the dial, in blissful ignorance of the intricacies of the hobby, mainly listening to ham transmissions. The antenna was a thirty foot long wire attached to a nearby tree. There were very few clubs or publications devoted to the SWL in those days, but I soon found three friends at school, who had similar interests, and we formed ourselves into our own "club"--even to the extent of getting our own stationery printed, with the grandiose title of "SWL DX Society"! The first log-book I kept was started in October 1938, and I still have this, and all the subsequent ones. Of course there have been many periods of inactivity due to work, study, the war, and other reasons, but once bitten by the bug, the lure lingers on! Although the early books contain mainly ham loggings, even then my interest was turning to the SW broadcast bands. To an SWL in England in those days, the ether was dominated by Zeesen, Germany, and Rome, Italy. But those were also the days of the Civil War in Spain, and many stations were heard from the strife-ridden

THIRTY-THREE YEARS OF DX - THE PRE-WAR YEARS
(continued)

country, such as Malaga, Burgos, Barcelona, and Tenerife Canary Isles, in the 40 metre band; Radio Nacional Salamanca on 28 metres, and the Madrid stations EAQ and EAR.

Other interesting items noted from the log include HVJ Vatican with programs for Invalids; HBJ Radio Nations Switzerland with English news, COCW Havana with call "La Voz de las Antillas" on 47.43 metres; and my very first Latin American logging TGVA on 19.78 metres with call in English. You will note the recording of wave length rather than frequency, which was the tendency in those times.

But although Latin American DXing was to become my main interest, and still is, the great ambition of British SWLs was to hear stations from "across the pond" (trans-atlantic). To log the U.S.A. broadcasters in those days was a real kick, and you may know that they all were supposed to be experimental, and had an X letter in the call-sign. They were operated by small and large private companies and networks; for example CBS broadcast over W2XE Wayne N.J., NBC over W8KK Pittsburgh, etc... Many stations relayed their ECB outlet e.g. Cincinnati W8XAL relayed WLW, Philadelphia W3XAU relayed WCAU and so on. Incidentally, my first ever QSL card came from General Electric station W2XAD Schenectady, October 8th 1938. Output powers were low, from 250 watts to 10 KW. In those days there was an 11 metre broadcast band, and several interesting U.S. stations were logged, such as Cincinnati W8XNU relay WLW, Superior W9XJL, Nashville W4XA relay WSH, St. Paul W9KUP, New York W2XQO and W2XJI relay WOR.

Canada was a very hard country to log, but CHNX Lord Nelson Hotel Halifax was an occasional visitor to the dial. Although reception was never as reliable then as now, many interesting programs were heard from the States, "Understanding Music" from WLXAL Boston, "Songs you like to hear" from W3XAU, and of course many of the famous big bands of the swing era such as Tommy Dorsey, Harry James, Sammy Kay, and Glen Miller. The latter orchestra was heard in early 1939 over a station which was to have important sentimental memories for me, namely W4XB Miami 6040 khz, which was operated by the Isle of Dreams Broadcasting Co. and had the fascinating call "By the palm-fringed shores of blue Biscayne Bay in tropical America"!

Summer 1939 came with a long glorious sunny phase, and excellent DX, among which I would mention VLR Melbourne, XGOY Chungking, China, VP3ER Georgetown "The British Guiana United Broadcasting Co.", and HP5J Panama City's "Star & Herald Radio Theatre", and many other Latin Americans. Around August all the U.S. stations changes their call-signs, dropping the X and the numerals; perhaps this was an omen, for although I did not realise it, this was the end of an era, and a way of life. It was to be the last summer I would enjoy in peace for a long while; the next one was to be filled with the staccato rattle of machine-gun fire, the scream of bombs, and the roar of fighter planes.

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MACAU

An American businessman is reported to have negotiated a contract to build a powerful radio station in Macau. The station will broadcast non-stop music and commercials to Hong Kong and other parts of Asia.

The American investor, Charles Sullivan, is a radio equipment dealer who will supervise the construction of the station. He will sell the station to Macau

MACAU
(continued)

businessmen to avoid antagonizing Macau's communists. As of this time, it is not known whether the station will be operated on shortwave or not - however, when the great number of shortwave broadcasters in this area are considered, it is entirely possible.

..ICB Bulletin via Richard Anderson

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THE NIGERIAN BROADCASTING CORPORATION
Richard Murphy

The Nigerian Broadcasting Corporation was first organized in 1956 and began operation on April 1, 1957. The NBC was a small organization then, but today it has grown into one of the largest broadcasting organizations in Africa. The NBC was originally intended to be modeled after the BBC. Before incorporation, relays from the BBC amounted to some 48 programme hours a week. This was on the National and West Regional programmes. When created, the home service (Radio Nigeria) had four main programmes. They were the National programme from Lagos; the North Regional programme from Kaduna; the West Regional programme Ibadan and the East Regional programme from Enugu. By 1957 the National programme alone broadcast 106 hours a week, 90% being Nigerian material. At that time the home service broadcast in no less than 22 different Nigerian languages, a real task for any broadcasting service. The languages used were English, Hausa, Fulani, Urhobo, Yoruba, Ibo, Kanuri, Tiv, Nupe, Idoma, Igalla, Birom, Edo, Ijaw, Itsekiri, Efik, Ekoi, Bali, Bansa, Banyang, Bakweri and Bafut. The last six languages, spoken in the Cameroons, were dropped when Southern Cameroons withdrew from the Federation in 1957. The other 16 are still in use today. The first external broadcasts were made on a modest scale compared to today's Voice of Nigeria. The interim external broadcasts were beamed to Nigeria's close neighbors in West and Central Africa. They were made on two 10 kW shortwave transmitters and operated from 6 to 8 PM each day. One hour was in French and the other was in English.

On April 4, 1960, the government gave permission to the NBC for the introduction of commercials into its programmes for a trial period of one year. This was the beginning of the Commercial Service. The Commercial Service was a success and the money made from the selling of commercials was retained by the NBC. By June 1961, the Commercial Service began to plan regional commercial programmes to meet the individual needs of the different regions of Nigeria. Kaduna was the first regional service to carry these programmes, followed by Ibadan and Enugu.

It is interesting to note that the NBC can produce commercials in 26 Nigerian languages and no other broadcasting service in Africa has the facilities to do the same with that many languages. To show just how fast expansion has taken place, here are some statistics. In 1962, the gramophone library at the Broadcasting House in Lagos had 60,000 records and 4,000 tapes of recorded programmes. Today the number exceeds 80,000 records and 6,000 tapes. In 1961 the total power of all the shortwave transmitters operated by the NBC was only 70 kW. Today, just one of the 100 kW units at Ikorodu has more power than all of those original transmitters. In 1966 the Mid-west Regional programme from Benin was added, making 5 main programmes broadcast today. Today the NBC is one of the largest broadcasting services in Africa. It has many divisions within its overall organization. Two of the more important ones are the Engineering Division and the Programme Division. Specialist units within the Programme division deal with Music and Music Research, Talks, Features, Drama, Religion (Christian and Moslem), Women and Children, Nigerian languages, Variety and Light Entertainment and Outside Broadcasts. The Engineering Division has to cope with the many problems of broadcasting the programmes. They have had to overcome problems from the start. In the early days one engineer was so fed up with

THE NIGERIAN BROADCASTING CORPORATION
(continued)

problems he said the "recording vehicles were dancing the mambo in the mud." Recently they overcame other troubles with equipment. The transmitters at Ikorodu required extensive modifications before they could even be installed.

Most of the home service transmitters can be heard at one time or another in North America. The Voice of Nigeria is an easy catch for anyone and can be found on the higher frequency bands. The home service regional stations are usually verified by Lagos. Benin City is one station that does verify directly. All Nigerian Broadcasting Corporation regional outlets can be reached by addressing reports to: Nigerian Broadcasting Corp., Broadcasting House, city, state, Nigeria. The address for the Voice of Nigeria is also Broadcasting House, Lagos, Nigeria. Some DXers have had trouble with Lagos in getting the transmitter site given on their QSL's. Others have not had any trouble at all. However, Radio Nigeria/Voice of Nigeria are both good verifiers and are friendly. The Voice of Nigeria says that IRCs are not necessary. When reporting to Radio Nigeria stations it is helpful to send return postage, since they deal with domestic broadcasting and are doing the overseas DXer a favor by answering. So tune in and send in those reports today. When you hear their "talking drum" interval signal, you'll know that you're tuned to the Nigerian Broadcasting Corporation.

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BBC LISTENER'S CORNER

On May 7th several reporters, one a woman were captured by guerillas while travelling by car through Cambodia.

At first their existence was threatened by their captors but after their identities were established they were made welcome guests of the regime and were taken on a long tour behind the lines to a point where they were released. The following is an excerpt from an article written by one of the journalists who spent five weeks in the field with the guerillas.

".....The guerillas have a shrewd understanding of America and a sophisticated grasp of how deeply the country is torn by the war.

Their knowledge comes largely from nightly Vietnam language news broadcasts of the British Broadcasting Corporation. They listen to the B.B.C. more than to their radio stations. On one occasion Anh Hai (a member of the escort troops) remarked, 'This is the B.E.C. This is not propaganda.'

They listened to their radio every night for news of any new student demonstrations in the U.S. or protests against the war...."

Rochester N.Y. newspaper
(name not given)

....via George Schnabel

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USING FREN'DX

When you first warmed up the set you most likely didn't keep a log of those stations received. But as you later found out a log became necessary to keep track of those countless stations. At this point you decided that a log would be all the paper work and you could concentrate on those rare stations.

(continued next page)

USING FRENDX
(continued)

If you do not support the departments of FRENDX, don't write letters, or collect QSL's then stop reading here!

I have found out in the few short years that I've been a SWL'er that an accurate log of day by day events relating to SWL'ing can be very helpful. Such as when a report to one section left or when one must be written and sent off to get to its designation on time.

You may want to buy a diary, planning guide, etc., and for those who want to avoid excessive costs just wad up a few sheets of paper and staple it together. There are many different systems and methods so I leave that decision up to you.

In my log book I have a page for each day of the month. I write down everything which is relevant to SWL'ing. When a QSL arrives, reports to editors, mail from fellow club members and so forth are annotated in my log book.

Often, a comparison with the log book and FRENDX may explain the delay for a QSL from a particular station....perhaps why station XXX is no longer heard on its usual frequency... Back issues provide added insight into the many aspects of DXing, and I urge all members to keep their's for the purposes mentioned.

....Terry R. Hicks

I have almost two years of back issues of FRENDX and I find I am constantly referring to them. When I think I have logged a new station I go back through past Logging Sections to see who has logged it before and when. I also check past schedules to see whether the station's schedule has been published. And before I send in my report to the station I turn to the QSL Section to see what success members have had QSL'ing it.

Going through all those past issues has taken a good deal of time in the past but recently I got smart. I divided all FRENDXs into 4 sections---Features, Loggings, QSLs and Schedules-- and then reassembled them under separate covers so that all the loggings are together, all the QSLs together, etc.

Now it takes me about one fourth the time to find anything I want in a past FRENDX.

....Al Sizer

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NORSK RIKSKRINGKASTING

John M. Leger

On June 24, 1933, Norsk Rikskringkasting (NRK)-the Norwegian Broadcasting Corp. came into being. At the time, the number of radio listeners in Norway was well over 130,000.

During the war (in 1941) the radios of some 450,000 Norwegians were confiscated, but throughout the war, there was extensive illegal monitoring of the Norwegian broadcasts from London.

The NRK has its headquarters in Oslo. There are regional offices and studios in 9 other cities, as well as a network of stringers throughout Norway and permanent staff correspondents in London, Paris, New York, Bonn, and Moscow.

The Radio Network transmits one national radio program, local programs for Oslo, and the various regions, and a shortwave program for Norwegians overseas.

NORSK RIKSKRINGKASTING
(continued)

In 1968, NRK transmitted 6,163 hours of the national program. In other words, approximately 17 hours a day. Of these, 866 hours were transmitted from regional stations and 262 hours from abroad. In addition, there are the shortwave programs, ten times a day and a special program relayed via Radio Greenland. Radio program work is handled by the following departments: General Program editing, Children and youth, News & Reporting, Music, Talks, Drama, Entertainment, Foreign news, regional and local programs. Total transmission time comprised 42.2% music and 57.8% spoken word programs.

By the end of 1968, there were in operation 41 long-, medium-, and shortwave stations, 133 FM stations (of which 75 were transmitters and 98 were low power repeater stations), as well as 239 TV transmitters, a grand total of 413 transmitters in Norway. Most of the country is covered by radio. No additional main FM transmitters will be constructed, but in order to achieve complete coverage, 300 additional low power repeater stations have been planned.

The NRK employs 1633 men and women, of which 463 are in radio, the rest in TV and administration. The NRK maintains a library of 47,000 volumes, a large reading room, and a historical recorded programs library, in which there are 5600 tape recordings. NRK is an independent State institution which covers its own expenses and obtains its revenue from stamp duties on all radio and TV equipment sold; as well as from annual radio and TV license fees. The Corporation's budget estimates, must, however, be approved by the Parliament.

The NRK enjoys full liberty as far as program activity is concerned, the only exception is an obligation to broadcast vital information such as weather forecasts, emergency messages, and announcements connected with state security.

NRK's shortwave transmissions each day (10 90-minute programs broadcast around the clock) are mainly intended for Norwegian merchant seamen and Norwegians living abroad. The transmissions include a weekly broadcast in English, "NORWAY THIS WEEK" which is beamed around the world each Sunday, and in the early morning hours of Monday, GMT. The shortwave programs are radiated by several transmitters at Frøderikstad, south of Oslo, where 50 directional antennas make it possible to transmit to all parts of the world. Due to variable reception conditions, the frequencies are changed 4 times a year. The whole domestic program is also transmitted over a shortwave transmitter at Tromsø, northern Norway, intended for fishermen and seamen in the North Atlantic and listeners in North America.

Each week, the Overseas Service of Radio Norway broadcasts a half-hour program in English which presents a picture of Norway through glimpses at the country's cultural, political and economic life. There are interviews with different people, and special musical programs. Radio Norway is without a doubt one of the most interesting and entertaining of all broadcasters. Why not tune in to NORWAY THIS WEEK and see for yourself? Broadcasts in English go out every Sunday at 0800, 1200, 1400, 1600, 1800, 2000 and 2200 hours GMT; and on Monday's at 0000, 0200, and 0400.

Radio Norway has a series of beautiful QSL-Cards to acknowledge your reports. They are extremely fast in replying to listeners letters, and are very interested in your comments, suggestions, and of course, reception reports.

So, why not spend 30 minutes EVERY Sunday and tune in to one of the better stations-- Radio Norway.

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OKINAWA PRESENTS A PROBLEM

The continuing clamor over Okinawa's reversion from the United States to Japan means little to those who are unaware of its military importance (117 separate U.S. military bases are located on the 67 by 10-mile island). For most, it's just one of many islands somewhere in the Pacific, out of sight, out of mind.

The intended turn-over of Okinawa from American to Japanese control by 1972 will have repercussions in more spheres than the purely military, according to the Far East Broadcasting Company. FEBC has announced through its Communication Research Review that it is unlikely the Japanese government will permit them to operate their 100,000-watt transmitter KSBU from Okinawa when Japan takes over the Pacific island. Under existing Japanese broadcasting laws, no religious stations are granted license to operate on Japanese soil.

At present FEBC operates three stations on Okinawa, all authorized by the U.S. military command. An English-language station reaches American servicemen; another uses Japanese to communicate to the Ryukyuan islanders; and the third, KSBU, broadcasts the message of the Bible across 400 miles of ocean directly into Shanghai. The American authorization becomes null and void on the day reversion to Japanese control becomes an established fact.

The Japanese are expected to allow the maintenance of existing U.S. conventional military bases as part of the reversion agreement. However, it is highly unlikely that either VOA or FEBC will be permitted to operate radio facilities that transmit to the Chinese Mainland or to any other nations from this Japanese island. A Ryukyuan Christian advisory board has been formed. Expectations are that KSAB and KSDX will be turned over to it prior to reversion.

The Far East Broadcasting Company expects to have another transmitter on the air by 1972, located in an undisclosed Asian country, to replace the anticipated loss of KSBU.

ICB Bulletin via
Richard Anderson &
Rod Williams

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HERE AND THERE

ZAMBIA: According to a West German press dispatch from Lusaka, the President of Zambia has issued a warning to South Africa "which is trying by its radio to overthrow the non-racist Government system in Zambia." He added that Zambia will soon be able to reply to these broadcasts "by means of new transmitters installed by the Chinese."

Lusaka Radio has broadcast details of the projected Communist Chinese installation. The transmitting site, 11 miles west of Lusaka on Old Numba Road, will house a 200 Kilowatt mediumwave transmitter and two 50 Kilowatt shortwave transmitters. It is expected to begin operations in 1970.

.....FBIS via Gregg Calkin

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Next month in the Short Wave Center, look for.....

DX Atlas: The Forgotten Islands of the Indian Ocean with Ed Pyatt, Shortwave stations to suit all tastes by Richard E. Wood, Jan Tuner tells us about regional Turkish SWBC stations, "RX for Reception" by Al Niblack, Shortwave via cable with Gerry Dexter, the Broadcasting Corporation of China with Richard Anderson, and more! See you then.

Gilfer Associates, P.O. Box 239, Park Ridge, New Jersey 07656, advises that they have 100 copies of the 1966-67 edition of "How To Listen in the World" © \$ 1.50

ANTHONY MARKS - EDITOR
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LA GRANDE, OREGON 97850

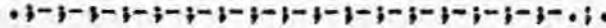
Deadline 15th of the Month



HANK MICHALENKA-ASSOC. ED.
14 BROOK STREET
CENTRAL FALLS, R.I. 02863

Deadline 8th of the Month

NASWA NEWSROOM



EDITORIAL COMMENT:

I do not believe that it would be too out of place for this editor to take an opportunity for commenting on the member reaction to our first column. It would best be put by saying "Thank you", to all those who were kind enough to write, to those who offered/gave assistance, and to my wife, who not only tries to understand the insanity of the SWL, but who has even been my assistant, in not only typing, but in forming the entire column. You readers will never know the work she put in while trying to read my notes and thumbing through our Webster's to correct spelling and no end of grammatical errors. She wants to thank all of you who commented on her well done job. She got more epistle response than any other single portion of the column.

COMPLAINT DEPARTMENT:

We received many favorable notes, but see no need of repeating them. We should, however, make mention of our mistakes. It seems to have been confusing to some that we failed to capitalize all the country names when they were paragraph headings. This was unintentional - they were intended to be identical. We will try to overcome these little problems as soon as we can, a little experimenting here and there to come up with the best results.

I also used the number 2400 instead of 0000, and this was pointed out to me as a possible source of confusion. I will endeavor to correct this in future columns.

There was also comment that perhaps I was unfair to Drake in the paragraph about the price raise. I meant no malevolence toward them or the receiver in question, but the price jump still seems unfair of them toward us, at least to me.

I would like for at least one of you SPR-4 owners, as well as any/all type SWL equipment, to formulate some sort of technical comparison of your equipment and send it to me for inclusion in the column under the heading EQUIPMENT DEPT. Please, though, I do not want what the manufacturer's advertisers say about the product, I want what you are able to formulate. I have had no bites as yet from my request last month on receiving this type information on the Mosley SWV-7. Are none of you out there the proud owners?

THOUGHT FOR THE MONTH:

From a column by Paul Flowers, a newspaper columnist in Memphis. "I see where women are demonstrating for equal right. I believe this is a good idea, for they have had the upper hand too long."

NEWS ITEMS:

From the London Daily Telegraph on 05 Sept. "A West German Government spokesman tried to reassure two American radio stations yesterday that they are not about to be silenced because of Bonn's liberal attitude to the East. The stations, Radio Free Europe and Radio Liberty, broadcast from Germany to Eastern Europe.

The spokesman, Herr Niebel, said that the subject of the broadcasts had not been discussed when Herr Brandt, the West German Chancellor, was in Moscow to sign the Russo-German treaty. The broadcasts would 'extend themselves automatically'.

But senior German and Allied officials remain convinced that the two stations are living on borrowed time. One source close to Herr Brandt forecast their closure by 1975." (GC)

NEWS ITEMS (continued):

The new WDX certificates are out and by now many of you should have yours. The earliest date of issuance was 01 September, although I received mine about two weeks prior to this date. It is an attractive certificate, similar to the old ones but with a border of what looks to be maroon in color. The big difference is that these are "All-Band Radio Monitor" certificates, not just labeled for Short Wave Monitors, which does seem reasonable, since they offer awards using all-band reception/QSLs. All in all, I think the improvement was worth the anticipation we all felt. (AM)

This excerpt was monitored from Radio Havana (11760KHz at 0515 GMT, 06 Sept.): "----it was also reported that Radio Altiplano, Bolivia's most powerful radio station, was paralyzed yesterday by a bomb explosion in one of its transmitting antennas. The explosion partially destroyed the tower ----." (GS) Have any of you read/heard any more about this?(AM)

I just found out last week, probably the last to know, that the WNYW Listeners Club is no longer in operation. I heard last year that WNYW had been attempting to find a buyer for the station, so perhaps financial difficulties forced the demise of the club. (AM)

Last month I ran the schedule for Radio Austria (ORF), but was not certain of the languages in use for the time periods. Now I have them. These are for the transmissions to North, Central, and South America, and are German, English, French, and Spanish, beamed in parallel; that is, at various times during the programming, talks may be heard in one of these languages. The station is currently placing emphasis on new equipment, more transmitters, and better antennas. (RM)

Radio South Africa's annual DX competition, "DX 70", will be held on Friday, 27 Nov. The contest will be something like last years' for those of you who entered then. Full particulars and entry forms are obtainable from the RSA studios, P O Box 4559, Johannesburg, South Africa. (RSA/NH) As a note, this editor entered, and, I must confess, was a smashing failure. (AM)

Again we remind you that the Moslem holy period of Ramadan, this year from 01 Nov. to 01 Dec., will soon be upon the scene. During this time many of the stations in countries with a substantial Moslem population will extend their broadcast times. We hope to have some definite information for you next month. In the meantime, check those Arab countries. (HM)

Another important holiday is coming up sooner than this, in fact, by the time you read this column, the holy period will be partially over. The dates for this are 01 Oct. to 10 Oct. For the celebrants of this, I wish you all the best of good fortune in the new year thus beginning. Perhaps a listen to Kol Israel during this period would be rewarding. (AM)

Below are a few dates of importance to some relatively rare countries in our log books, the anniversaries of which should bring good news to the listeners of signals arising from the depths of the QRN jungle. This is often the period of special programs, extended times, more frequencies, or perhaps, if we are really fortunate, the use of English where it is not normally used.

October

09, 1962 Uganda Independence
12, 1913 Paraguay Independence
13, 1968 Ecuadorial Guinea Independence
15, 1969 Somali Dem. Rep. formed
24, 1964 Zambia Independence
29, 1923 Turkey Independence

November

03, 1903 Panama Independence (HM)

Al Sizer reports an interesting catch to us: Gabon, 4777 KHz, on Sat. 17 Aug. with what he reports as amazing strength. Usual s/off is 2300, but this night they were past 0300. It happened to be the tenth anniversary of their independence, and they really wound up for this occasion, with 100 kw power. He sent them a report on this and we wish him much luck; to our knowledge, they haven't verified in over three years. (HM)

SWL Guide has, according to a pamphlet just received, a large selection of twenty-four hour clocks. If interested, send for information. Address last month(AM)

SCHEDULE MATERIAL:

RADIO AUSTRALIA; Information which has reached here says that the ABC morning transmission to ECNA at 115-1215 on 9580 and 11710 has been extended to 1300, at least on 9580. This began on 06 Sept, on the "General Overseas Service" to Asia and the Pacific areas. (HM) I receive ABC well past this time, but on an adjacent channel which I believe is 9570. This lasts past 1400, but how long I do not know. There is always heavy QRM from an unknown station in some oriental language, perhaps a VOA program. Do any of you have a current ABC schedule for printing next month? (AM)

DAHOMAY: Weekdays; 0515-0700, 1130-1300, 1630-2200. Saturdays; 0515-0730, and 1200-2300. Sundays; 0700-2200. The QRG listed are 4870 and 7190 (QRM from hams is bad here). Languages are French, English, and vernaculars. (ES/HM)

RAI (Italy):(English): 0100-0120 on 9575/11810; 0550-0410 on 11905/15340 and 17795; 0425-0440 on 5990/7275; 1935-1955 on 7275/9710/11800; 2025-2040 on 7275/9575 and 11800; 2200-2225 on 9710/11905 and 15340. (AC)

DEUTSCHE WELLE: (English); This sched. began 06 Sept. (*=Rwanda relay station). 0120-0220 on 9545/11945; 0130-0250 on 6040/6075/9735; 0345-0405 on 7235/9545 (perhaps *); *0430-0500* on 7225/9555; 0435-0555 on 6075/6145/9545; *0545-0630* on 9690/11905; 0600-0630 on 11785/15275 and 17765; 0920-1020 on 11795/17345/21560; 1045-1115 (this and 0600 are again possible Rwanda) on 11785/15410/17875/21600; *1200-1245* on 15410/17765; *1615-1645* on 9735 and 11965; 1700-1735 on 11765/15275; *1715-1745* on 9735/11965; *1930-2020* on 9755/11785; 2100-2200 on 7130/9765 and 15275. (DW)

RADIO BUCHAREST (ROMANIA): (English); 0130-0230 on 15285/15250/11940/11885/11810 and 9570; 0300-0330 on same QRG; and 0430-0500 same; 0645-0715 on 17850/15250; 1100-1130 on 17850/15430 and 11775; 1300-1330 on 15430 & 11940; 1500-1530 on 17760; 1930-2030 on 11940 & 9510; 2100-2130 on 11775 & 9690. (CC)

NOIRWAY: (English); Sundays; 0800-0830 on 15175/21655/21730 & 25730; 1200-1230 on 7210/17825/21655/21730 & 25730; 1400-1430 on 17825/21655/21730/25730 and 25900; 1600-1630 on 17825/21655/21670/21730 & 25730; 1800-1830 on 7210/21655/21730/25730 & 25900; 2000-2030 on 15175/21655/21670/21730 & 25730; 2200-2230 on 15175/17795/21655/21730 & 25730; Mondays; 0000-0030 on 11850/15175/17795/21655/ and MW 1578; 0200-0230 on 11735/11850/11860 and MW 1578; 0400-0430 on 11735/11850/11860/21655 and MW 1578. (RN)

SPRINGBOK RADIO: (This, I believe, is the internal service of South Africa); (English and Africans are used); 0300-0635 and 1528-2200 on 3952; 0635-1528 on 6005; 0300-0619 and 1615-2200 on 6195; 0300-0712 and 1522-2200 on 7150; 0619-1615 on 9720; 0715-1522 on 11935. The transmission periods on Sundays are slightly shorter. Springbok advises us to try the low QRGs at 0300, and the higher ones after 0600. 9720 KHz has been heard in the USA, so give this a try. (CC)

RADIO SWEDEN: (English); 1100-1130 on 9625 & 15315; 1230-1300 on 15105 & 21690; 1400-1430 on 15315 & 17840; 1600-1630 on 6065 & 15240; 1900-1930 on 11705 & 15240; 2045-2115 on 6065 & 11705; 2245-2315 on 1178 MW/11705 & 15310; 0030-0100 and 0200-0230 on 11825, which will be changed to 5990 on 01 October; 0330-0400 on 9505; 0515-0545 on 17840. (RS)

RADIO CENTRAFRICAINE: (Bangui, Central African Republic); M, W, & F; 0430-0730 on 5035; 1100-1400 on 9595; 1630-2230 on 5035. T & Th; 0430-0730 and 1100-2230 on 5035. S & Sn; 0430-1630 on 9695; 1630-2230 on 5035. Languages are French, English, and Sango. Presumably, English is as listed in the WRTH, news at 1930 (2030 Sundays). (KS & WRTH)

VATICAN RADIO: (English); 0050-on 11725/15165 & 17750; 1000 on 17840/21485; 1050 same QRG; 1125 on 17840 & 21690; 1150 on 17840 & 21485; 1400 on 9645/11740 and 15120; 1515 on 17885 & 21560; 1620 on 11705/15210 & 17800; 1710 on same QRG; 1935 on 11760/15255 & 17800; 2045 on 7250/9645 & 11740; 2210 on 9645/11745 & 15155. These programs are short, varying from five to fifteen minutes, usually all news. (VR)

SCHEDULE MATERIAL (continued):

BOLIVIA: CP-75 (La Cruz del Sur in La Paz) has replaced 5025 with 4875 with English, we believe, at 0230-0300 s/off.

RCI (CEC): (English); 0715-0745 on 5990/9625/11925/15390 & 17820; 0830-0930 on 5970 & 9630; 1217-1313 on 9625/11720 & 15325; 1516-1522 on 17820 & 21595; 1832-1914 on 15325/17820 & 21595; 2115-2152 on 11720/15325 & 17820; 2300-2330 on 9625/11945 & 15190; Service to Canadian Forces and CBC Northern Service: 0100, 0200 & 0300 on 6060/9625 & 11720; 0400, 0430, 0500, & 0530 on only 6060 & 9625; 0557 on 6060; 0558 on 5990 & 9625; 0631 on 6060 & 9625; (I wonder why the odd times - AM); 1100 on 11720/15325 and 17820; 1516 on 15320; 1631 on 15320/17820 & 21595; 2045 on 11720/15325 and 17820; 2200 on 11720/15190 and 9625; and 2300 on 9625/11725 & 15190.

These transmissions are in English-French and English-Eskimo (back to back sort of thing), but the times herein given are the beginning of the English portion, length varies for each particular time. (CBC direct)

CAICOS AND TURKS ISLANDS: (Jamaica protectorates); The latest information

 This month, in contrast to last, was on the opposite end of the problem spectrum. Very little material was sent last month, it being my first column, and I found it necessary to use quite a bit of "filler" to close the space gap. This is actually easy to do by searching through WRTH or related materials for something interesting and edit it into the appropriate spot. This month, however, was, as I said, in complete contrast. So abundant was the volume of mail received, and so apparently useful the items included, that I realized the real problems of an editor - what to include, what to omit, or how much of that to be included should be edited. The previous pages are the result of my efforts in solving this dilemma. My apologies to those who sent in material which did not make its way into this month's edition, try again, and soon. I have tried to include the names of all those who did contribute, not just those whose material was used. Also, since I can see no useful purpose to the past policy, I have not placed the state after the contributors' names. If this is acceptable to you readers, we will do it this way from now on. I should also add that the names are in the order that I write them down and that's all; no importance should be attached to whose name is first, or last.

GC=Gregg Calkin; NH=NASWA Headquarters; GS=George Schnabel; EM=Bill Matthews; ES=Edward C. Shaw; AC=Angelo Coppola (Napoli, Italy); CC=Curne Chadwick; KS=Kim Stenson; DW=Deutsche Welle; RN=Radio Norway; RS=Radio Sweden; VR=Vatican Radio; WRTH=World Radio TV Handbook; and those who wrote in the material not used: David A. Volle; Mario A. Sala; Bob Davidson; Al Sizer (excuse me, Al's was used through HM); Michael X. Watman.

Well, thanks again, cousin. Until next month, 73, and Mazel Tov. Stay happy!!!
 Anthony C. Marks

on the station down that way, a rare one indeed, which came from the station manager, is as follows. A lucky listener will be able to find an English news broadcast at 1830-1845 on 4560, the news being of the local islands. During hurricane alerts, they often broadcast a continuous report from the Miami/San Juan weather bureaus. The announcer will have either an English or island accent. (HM)

RSA: The times for this station are the same, but they have gone back to their winter QRG; 9695/9705 & 11875 (replacing 5980).

RADIO NEDERLAND: (English); 0200-0320 on 11730; 0500-0620 on 9715/11730; 0630-0750 on 11730; 0800-0920 on 9715; 0930-1050 on 17810/21495; 1400-1520, on 6020/17810/21480; 1830-1950 on 15220/21570/21640; 2000-2120 on 6020/6085 and 9715; 2130-2250 on 9715/11730. (direct)

FOR BEGINNERS: (more from my schedule book);

0230 GMT: Albania on 6097.7300; Antilles on 11775; Chaina (Peking) on 9780/15095/17795; Lebanon on 11890; RBI on 5955/9730; RSA on 5980/9695/9705; Tahiti on 11825 (Sat.); Bolivia on 4875.



QSL REPORT



GREGG A. CAIKIN
NASWA QSL EDITOR
131 COOPER ST., APT. 903, OTTAWA 4, ONTARIO, CANADA
Deadline: Fifteenth



AFRICAN WHITE LIST

by

Chris Lobdell
Part Three Of A Series

ALGERIA

R.-TV Algérienne, Algiers

Excellent; sends card w/full data. English is OK.

ANGOLA

Radio Angola, Luanda
Radio Clube do Cuanza, Novo Redondo
Radio Clube da Huila, Sa da Bandeira
Voz de Angola, Luanda

Excellent; sends card w/full data. English is OK.
One card w/no data received after 4th report
One card received w/full data in 3 months. English
Excellent; sends card w/full verie. English is OK

ASCENSION ISLAND

BBC Relay

Excellent; sends card w/verie statement only.
Reports go to London.

BIAFRA

Radio Biafra/Voice of Biafra

Some letters containing verie statements were
received via the Ivory Coast. Station and country
no longer exist.

BOTSWANA

Radio Botswana, Gaborone

Irregular and slow; f/ups may be needed. Sends
card lacking time and date. Good lately in replies.

BURUNDI

La Voix de la Révolution, Bujumbura
Radio Cordac, Bujumbura

Irregular; f/ups may be needed. Sends card or
letter lacking full data.
Good, but sometimes slow. Sends card w/full data.
English reports are OK.

CAMEROUN

Radio Buea, Buea
Radio Garoua, Garoua
Radio Yaoundé, Yaoundé

One card received after f/up sent
Good; sends card w/full info but freq. English OK
Excellent; sends two cards, of Cameroun or of the
world w/full data. English is AOK.

CANARY ISLANDS

RNE, Tenerife

Direct: irregular; f/ups may be needed. Mint stamps help. To Madrid: Good; sends card w/full data.

CAPE VERDE ISLANDS

Radio Clube do Cabo Verde, Praia Good; sends card w/no data. English is OK.

CENTRAL AFRICAN REPUBLICRadio Nationale Centrafricaine,
Bangui

Irregular; one card w/all data received recently. Frequency has been omitted at times.

CONGO (DEMOCRATIC REPUBLIC)

Radio Bukavu, Bukavu

One form letter in French received after 6 rpts. Contained date only.

R.-TV Congolaise, Kinshasa

Fair but can be irregular and slow at times. Sends letter in French w/full data. V/S: V/ Nikuma. Delays or losses often result from Congo mail system. Rpts should always be registered.

V. of African Brotherhood,
Lubumbashi.

One reply on reverse side of Ham card.

CONGO (REPUBLIC)

Radio Brazzaville/ORTF

R.-TV Congolaise, Brazzaville

Good; sends card w/full data. English rpts are OK. One card received for a report in French.

DAHOMEY

Radio Dahomey, Cotonou

Good; sends card w/all data but frequency. Sometimes includes frequency.

ETHIOPIA

ETLF, Addis Ababa

Excellent; sends card w/full data. English is OK.

GABON

R.-TV Gabonaise, Libreville

Poor; none reported in past 2½ years. May improve with their new high-power xmtr and increased interest in listeners beyond their borders, however. Try a report on 4777 kHz.

GHANA

Radio Ghana, Accra

Good; sends card w/full data.

GUINEA (PORTUGUESE)

Em. da Guiné, Bissau

Good; sends card w/full data. Portuguese rpts help.

GUINEA (REPUBLIC)

Radiodiffusion Nationale, Conakry Poor; none reported. Were a few back in 1968.

IVORY COAST

R.-TV Ivoirienne, Abidjan

Irregular; sends card w/full data when replying. French reports and f/ups help.

LIBERIA

ELBC, Monrovia

Good; sends card w/full data.

ELWA, Monrovia

Excellent; sends card w/full data.

Voice of America relay, Monrovia

Excellent; sends card usually lacking time from Washington.

LIBYA

Libyan Broadcasting Service,
Tripoli, Benghazi

Poor; none reported. Very hard to verify since the coup d'état. Arabic report might produce results.

MALAGASY REPUBLIC

R.-TV Malgache, Tananarive

Irregular; sends card w/date only. F/ups may be required.

MALAWI

Malawi Broadcasting Corp.
Blantyre

Fair; sends letter w/full data. F ps may be needed.
V/S: G. K. MacDonald

MALI

Radio Mali, Bamako

Good; sends O.C.O.R.A. type card w/all data except the frequency.

MAURITANIA

R. Nationale de Mauritanie

Good; sends O.C.O.R.A. type card w/full data.

MOROCCO

R.-TV Maroçaine, Rabat

Irregular; formerly "black", but are now just beginning to reply sending an inspecific folder.
Excellent; sends card w/all data but time.

Voice of America, Tangier

MOZAMBIQUE

R. Clube de Moçambique

Excellent; sends card w/all data. English rpts OK.

NIGER

C.R.T.N., Niamey

Fair to good; sends O.C.O.R.A. type card w/full data.
Mint stamps and f/ups occasionally help/required.

NIGERIA

NBC, Benin City

Good; sends card w/full data from Lagos.

NBC, Kaduna

Good; sends card w/full data from Lagos.

Radio TV Kaduna, Kaduna

Excellent; now sends card with full data.

Voice of Nigeria, Lagos

Excellent; sends card with complete data.

W.N.B.S., Ibadan

Two cards reported.

RHODESIA

Rhodesia Broadcasting Corp.

Excellent; sends card w/full data. Attractive.

RWANDA

Deutsche Welle, Kigali

Excellent; sends card w/full data from Köln.

Radiodiffusion de la République

Irregular; f/ups may be needed, in French. Sends card lacking info.

Rwandaise, Kigali

SAO TOME

Radio Clube de São Tomé

One card received via Lisbon with full data.

SENEGAL

Radio Sénégal, Dakar

Good; sends card w/complete data except the frequency.

SEYCHELLES

F.E.B.A., Victoria

Excellent; sends card and cordial letter w/full data

SIERRA LEONE

R. Sierra Leone, Freetown

Good; p/card w/full data sometimes; often lacks time

SOMALI REPUBLIC

National Broadcasting Station Irregular; two cards reported. F/ups may be needed.

SOUTH AFRICA

Radio RSA, Johannesburg Excellent; sends card w/full data.
SABC, Johannesburg None reported; does not seem interested in reports.

SUDAN

Sudan Broadcasting Service, Good; sends form letter in English w/date and verie
Omdurman statement .

TANZANIA

Radio Tanzania, Dar es Salaam Good; sends card w full data. Sometimes slow.

TOGO

Radiodiffusion du Togo, Lomé Sends card w/full data. Good policy; English is OK

TUNISIA

Radio TV Tunisienne, Tunis Good; sends card w/full data. English reports are OK.

UGANDA

Radio Uganda, Kampala Fair; sends vague letter with poor verie statement.
Station states they do not have the staff to check reports.

UNITED ARAB REPUBLIC

Radio Cairo Fair; sends card w/full data. Has irregular periods.

UPPER VOLTA

R.-TV Voltaïque, Ouagadougou Good; sends O.C.O.R.A. card with full data. Similar
to Mali's.

ZAMBIA

Zambia Broadcasting Service Good; card will full data. Can be tempermental.

ZANZIBAR

Radio Tanzania Zanzibar Currently sending "non-QSL" letter promising further
reply in the future. V/S: Omar M. Omar

(Stations in Africa which are not listed above have not been reported within the past year).

QSLs RECEIVED

ALGERIA: Algiers, yellow, black, white card in French and Arabic; 3 months (Calkin)
RTA, archer card, full data w/skeds. 6 months airmail for NASWA French report w/3 IRCs
(Segal)

AUSTRALIA: Radio Australia, 9580, 30th Anniversary card w/pic of Log Periodic at Dar-
win. No IRCs (Marks) 3 months seaimail; no IRCs (Anderson)
ABC/Perth, 9610, blue Western Australia map card w/full data in 193 days. 2
IRCs (Jones)

VNG Time Signal, 12000, Australian PO folder w/photos of studios and antennae
Full data in 13 days air; returning my 3 IRCs (Gaynor, Calkin) 11 days, no IRC (Jones)

AUSTRIA: ORF, pic-card of sailboat in 33 days for 1-IRC. Full info (Rippe) 15200, 34
days for 2 IRCs (Jones)

BELGIUM: BRT airmailed card for 15335 in 5 wks w/25th Anniversary record (Anderson)

BOLIVIA: Radio Progreso, 6005, card and pennant from Jorge Hochmann S., Dir.-Gen. on 4th try, by air. SASE sent (Field)

La Cruz del Sur, La Paz, 3rd card for one reception in 1½ months! I think my report got stuck in their addressograph. hi (Calkin)

BOTSWANA: Radio Botswana, Gaborones, 9590, beautiful card w/antelope; for Rhodesian reception (Drake)

BRAZIL: Em. Rio São Francisco, Penedo, 4925, card and pennant airmail. SASE sent but not used (Field)

Radio Guarani, 6175, card w/color print of world and large mike on front; sketch of Brazilian city on reverse. 13 months; no details. Rpted in Port w/3 IRCs (Lemna)

Radio Inconfidencia, 6000, friendly bi-lingual letter in 12 days for Port. rpt and 2 IRCs (Lemna)

Radio Poti Natal, 4925, card and pennant on 4th try. V/S: Ilma Bernardo da Silva. SASE sent; air reply (Field)

Radio Relogia Federal, 4905, letter in English with pennant for SASE (Field)

BRITISH HONDURAS: Radio Belize, 3300, black/yellow map card in 25 days seamail. 2 IRCs sent (Gaynor)

CANARY ISLANDS: RNE, 11800, color card of studios for English report sent to Madrid w/2 IRCs. Received sked and pennant in 9 days air from Madrid; also card w/full details, in 14 days air from Tenerife (Gaynor)

CEYLON: Ceylon Commercial Service, 15120, card in 13 days air from Bombay address.

Card has verie statement on front with sked printed on reverse. Rpted to Bombay with Indian mint stamps (S. Kamp) (Lemna)

CHILE: Radio Presidente Balmaceda, 9590 card in 14 days for Spanish report and 2 IRCs/

COLOMBIA: Ondas del Meta, Villavicencio, 6115, letter by air on 6th try from Carmenza Carrillo C., Adm. SASE sent but not used (Field)

Radio Bucaramanga, 4845, letter and pennant for Spanish rpt w/2 IRCs (Lemna)

Radio Nacional, p/card of Bogota in 36 days for 1-IRC. No info (Rippe)

DOMINICAN REPUBLIC: Radio Exitos, 3365, letter and card w/pennant on 7th try. V/S: J. Buenaventura Santos N., Adm. SASE sent, but not used (Field)

ECUADOR: Radio El Trebol, Zaruma, 4916, card and letter by air after 6th try. V/S: Dr. Rodriguez Calderon, Dir. SASE sent (Field)

Radiodif. Cenit, Bahia de Caraquez, 4865, card and letter on 6th try. V/S: Carlos H. Hurtado Polit. SASE sent (Field)

LV de Saquisili, 4900, card and letter by air on 7th try. V/S: Arcesio Corrales Venegas, Dir.-Prop. SASE sent (Field)

ENGLAND: VOA, Woofferton, 7200, projection card w/full data except time; 7 days from Washington. No IRCs (Jones)

FINLAND: FBC, 15185, usual card w/full data and sked; 28 days for 2 IRCs (Jones)

FRANCE: ORTF, 17780, orange photo card plus sked; 1 month air (Stuart)

FRENCH GUIANA: ORTF, Cayenne, 3385, letter in French w/sked in English. 1 week after f/up. V/S: J. Dernalot (Stuart)

FIJI: Radio Fiji, 3284, card of Suva street scene in 19 days for 5 IRCs (Lemna)

GEORGIAN SSR: QSL-cards listed last month for Tbilisi and Petropavlovsk (Asiatic RSFSR) had site indicated; a softer line from Mrs. S.? (Glasberg)

G.D.R. RBI, orange/white pennant w/bear in centre plus magazines (Jones)

HONDURAS: Radio America, 6000, letter and p/card on 3rd try. V/S: Rodriguez Arevalo in charge of international correspondence. SASE sent (Field)

HUNGARY: Radio Budapest, 11910, yellow card w/bridge, full data, skeds, DX Club info and inclosures. 63 days for no IRCs (Jones)

IRAN: Teheran, 7064, long white card in 5 weeks seamaile w/full data. Also copy of Iran Today and skeds. 3 IRCs (Segal) 15135, card, flag and magazine by air from E. Goleosorkhi, Dir. Gen. (Field)

ITALY: RAI, w/usual card in 6 months airmail after f/up for 9575. (Anderson) blue pennant with yellow "RAI" following QSL (Jones)

JAPAN: FEN, 3910, card in 3 weeks, 1-IRC. V/S: Melvin E. Polick, Capt. USAF. Date and frequency stated. (R. Murphy)

NSB/JOZ3, 9595, colorful red/white/blue map card w/full data in 2½ months air for taped report with 3 IRCs (Calkin)

JJY, Tokyo, 10,000 kHz card w/tnx for report (Marks)

KIRGHIZ SSR: Frunze, 15415, card via Mrs. Stepanova stating "via Frunze". Air (Field)

KOREA (REP): VOFK, 9640, card of downtown Seoul w/tourist brochure, sked in 8 wks air (Segal)

LEBANON: Beirut, card and flag in 4 months. No IRCs (Henry) card, flag, sked and 3 brochures via registered seamaile in 6 months for 11790 (Anderson) card and sked in 73 days for 2 IRCs (Jones)

LIBERIA: ELWA, drummer card in 17 days w/sked. No IRCs (Henry) card in 18 days for 1-IRC (Rippe) 15095, 30 days for 2 IRCs (Jones)

MOROCCO: VOA, Tangier, 21690, VOA card in 10 days seamaile. (Gaynor)

NEW BRITAIN: Radio Rabaul, 3385, folder in 2 months for 4 IRCs (Lemna)

NEW ZEALAND: RNZ, light blue card for 9520, omitting frequency. 17 weeks seamaile for 4 IRCs. Station also sent tourist brochure, Kiwi pin and detailed skeds (Segal) 125 days w/usual card, not full info. 1-IRC (Rippe)

NICARAGUA: Radiodifusora Nacional, Managua, 11875, letter, blue/white pennant for 4 IRCs and SAE. V/S: Tacho Sanchez Diaz, Artistic Director. 8 months for 2nd rpt by registered tape (Pappas)

NIGERIA: WNBS, Ibadan, 6050, letter by air for 1-IRC (Field)

NORWAY: Radio Norway, 21730, color card of Briksdalsbre glacier in 59 days seamaile; rpted by airletter. Full data (Gaynor)

PAPUA: ABC map card from Port Moresby; 38 days for 4890 kHz. 2 IRCs. (Kening) 28 days air for 3 IRCs (Gaynor)

PERU: Radio Chachamayo, La Merced, 4895, card and pennant. SASE; not used (Field)

Radio Delcar, Chiclayo, card air on 8th try. SASE (Field)

Radio Erpa, Caneta, letter by air for 3320 from Ing. José A. Lasuncion. SASE sent (Field)

Radio Villarica, Huancavelica, 4890, card by air on 4th try for SASE (Field)

POLAND: Polskie Radio, 11815, map card in 3 months air. Fine stamps (Segal) 3 weeks (Schnabel) 15275, map card in 11 weeks, also letter from L. Stanislawski, E.-in-C. (Anderson)

ROMANIA: Bucharest, 15285, card in 3 months w/regular enclosures plus personal letter (Anderson) 15285, 114 days for no IRCs (Jones)

RUSSIAN S.F.S.R. R. Moscow, 15140/15180, cards from Mrs. Stepanova marked "via Petropavlovsk". (Field) 17860, card marked "via Kursk" (Field)

RYUKYU IS. VUNC, Okinawa, 9915, card, usual blue in 5 weeks; returning IRCs saying unredeemable (R. Murphy)

VOA, 7165, VOA card in 5 days seamaile (Gaynor)

SARAWAK: Radio Malaysia Sarawak, card seamaile for 4950, 9 weeks. Card has pic of studios on front; date only mentioned on reverse. (S. Kamp)

SAUDI ARABIA: Djeddah, 11855, card in 1 week from Riyadh. V/S: Werner Storg, CE(Stuart)
SENEGAL: Radio Sénégal, 7210, dead fish card in 13 days air. Rpted by NASWA French form plus para on pleasant visit to Dakar several years ago. 3 IRCs. No freq. given (Segal)
SIERRA LEONE: RSL, card in 4 months for mint stamps, unused. (Henry) color p/card of the Broadcasting House in 3½ months (Schnabel)
SINGAPORE: Radio Singapura, incomplete card in 12 days for 9635. 3 IRCs (Lemna)
SOLOMON ISLANDS: SIBS/VQ07, map card in 7 weeks seaimail for 4 IRCs. Full data; highly prized (Segal)
SPAIN: RNE, 3760, color card w/full data showing transmitter. Gave sked; no IRCs. Also sent b/w antenna card plus blue pennant in 11 days. (Jones)

TCHAD: Radiodiffusion Nationale Tchadienne, Ft.-Lamy, 4904.5, attractive tri-photo card after 4½ years! Frequency not stated (Calkin)
TOGO: Lomé, 5047, map card in 9 weeks air; rpted in French w/NASWA French report form w/3 IRCs. (Segal) globe card in 14 days; 2 IRCs (Henry) 5047, green globe card in French w/sked on reverse; 16 days via airmail for 2 IRCs (Gaynor) 14 days (Rippe)
TURKEY: Ankara, 15160, full data card from V/S: Elizabeth Selanik; 4½ months seaimail. 3 IRCs (Segal) Card in 4 months for 15160 (Stuart)

UKRAINIAN SSR: Radio Moscow sent card in 1½ months w/full data. For 9700 and marked "via Odessa"; from Mrs. Stepanova. (R. Murphy)

Vinnitsa, 11735, card w/site indicated from Mrs. S. (Field)

UZBEK SSR: Tashkent, 11925, Chimes tower card, full data in 6 weeks air. 3 IRCs (Segal) (Rippe)

VENEZUELA: Radio Barquisimeto, red/white/blue card in 14 days for 1-IRC. Full info///
 Radio Rumbos, 9660, 19 days for 2 IRCs (Lemna) card in English, by air for SASE; not used (Field)

WEST BERLIN: RIAS, card w/pic of broadcast bldg; 1 month, 13 days (Henry) Berlin? (Ed.)

WINDWARD IS: WIBS, 11970, large card, 3 months seaimail. 3 IRCs (Segal) red/brown card in 6 weeks (Stuart)

ZAMBIA: Radio Zambia, 6165, plain white card for reception in Rhodesia (Drake)

Sincere thanks to the following members whose contributions made this months column possible. The number is down some as the section had to be typed a few days earlier due to your editor's vacation plans. Those few reports concerned will be included next month in an expanded QSL REPORT.

G. A. Calkin, Ontario
 Chris Drake, British Columbia
 Marlin A. Field, Michigan
 Les Gaynor, Michigan
 Irwin Glasberg, Quebec
 Leon Segal, New York

Tom Henry, New York
 Thomas E. Jones, Minnesota
 Steven Kamp, California
 Kris Lemna, Indiana
 Dan Kening, Illinois

Anthony Marks, Oregon
 Richard Murphy, Texas
 Andrew Pappas, Illinois
 Joe D. Rippe, Ohio
 George Schnabel, New York
 Jerry Stuart, Oklahoma

CHICOM 1 VERIFIES!

As we go to press, your editor is pleased to report that a letter QSL for Chicom 1, the Communist Chinese satellite has recently been received. The satellite operated briefly in the spring weeks on a frequency of 20,009 kHz and was heard in several areas of North America during its many passes. The QSL, which was sent to your editor, came from the Chinese Academy of Sciences in Peking and confirmed that the tape recorded report did indeed prove reception of China's first man-made earth satellite. The reply came by registered airmail in 4 months.

THE QSL GALLERY

presents

Dear friends.

Kigali. 1/4/1970

Radio Rwanda thanks you for the listening report you sent to us, hoping that you will continue to listen in to our broadcasts. Radio Rwanda broadcasts in the 49 m band on 6055 kc. with 50 kW over omnidirectional antennas from 03.30 to 07.00 GMT, 09.00 to 12.00 GMT, and 13.30 to 21.00 GMT, in Kinyarwanda, Kiswahili, French, and English. Sat. and sun. also from 12.00 to 13.30 GMT.

Sincerely yours,
Radio Rwanda

Chers amis,

Radio Rwanda vous remercie du rapport d'écoute que vous avez bien voulu lui faire parvenir et espère vous retrouver à l'écoute de ses émissions diffusées de 03.30 à 07.00 GMT, de 09.00 à 12.00 GMT, et de 13.30 à 21.00 GMT. Nous émettons dans la bande des 49 m, sur 6055 kc. avec une puissance de 50 kW, sur antenne omnidirectionnelle. Nos programmes sont diffusés en langue Kinyarwanda, Kiswahili, Française et Anglaise. Samedi et Dimanche aussi de 12.00 à 13.30 GMT.

Amicalement,
Radio Rwanda

Radiodiffusion de la République Rwandaise, Kigali is a rare catch in North America. Operating on a frequency of 6055 kHz, Radio Rwanda can occasionally be picked up after its 0330 GMT sign/on. Reports are welcomed and the above card is sent as confirmation. Certainly, Radio Rwanda provides a more challenging way to log Rwanda than its neighbour, the high-powered Deutsche Welle relay.

HERE AND THERE

One of the several delights that your editor has found over the years as NASWA QSL Editor has been the friendship and thoughtfulness of the Club's many members. In recent weeks, several members have telephoned in reports for the QSL section or in a more general way have called to voice their opinions and discuss items of general DX interest. These members demonstrate a keen interest in the hobby and support for the Association, failing which there would be no club. Are you supporting the sections of NASWA as well as you could?

A most interesting weekend in mid-August was spent with the visit to Ottawa of member George Schnabel of Rochester, N.Y. George's accomplishments are well-known in DXing circles and it was a great pleasure to meet him after several years of correspondence. If other DXers are to be in the Ottawa area, I hope they will make a point of getting in touch (Tel: 613-233-6181).

And so, until next month when we return with more QSL features, its best 7 sees DX from Ottawa. GREGG.



LOG REPORT

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Deadline 15th of month

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When reporting please use only one side of the paper, list items in order by fqy in either direction, with fqy first. Please include a description of the program hrd. Mail in time to reach here by the 15th of the month. M=measured fqy, A=approximate, V=fqy varies, T=tentative, NF=new fqy, QC=quarterly change.

- 2450 HAITI R.4VEH 1000 Fr rel svc, under open Boston marine channel(Berghammer)
3095A UNID Italian stn close 2245 after anthem & Russ mx-not Soviet anthem(Calkin)
3215 VENEZ R.Panamericanas around 1000 w/LA mx pgm(Hall)0222*(Potter)New time?(DF)
3218 MOZAMBIQUE RCM 0030 Eng/Afrik ID for all nite svc, pops(Berghammer)From 3264(DF)
3230 FLJI R.Fiji w/Eng anmt, pop mx 1000(Bull)
3232T MALAGASY RTVM believed the weak lang stn s/on 0300(Berghammer) (Patterson)
3245 VENEZ R.Libertador around 1000 w/LA mx pgm(Hall)0323-0300* w/Sp tlk, ID, anthem/
3250 S.AFR. SABC w/Eng/Afrik 0200 past 0400 w/mx, ads(Burnell, Sellers, Jankowski)
3255 VENEZ LV del Tigre around 1000 w/LA mx pgm(Hall)
3255 BRAZIL R.Cl.de Marilla w/IDs, ads, Brazilian mx; good sig(Schnabel)
3280 GRENADA WBS 0115 cmtry, good(Jamison)
3285 S.AFRICA SABC 0420-0430 mx, wx, ID, into church svc, //3320(Heggs)
3295 ZAMBIA Lusaka in clear after 0330; almost all vernaculars, DJ type show, pops, Afr singing, drums. Short mx flashes, best 0400, then begins to fade(Hall)
3295 VENEZ R.Trujillo w/band mx, anthem 0959, several IDs, LA mx pgm, daily except Sunday(Hall)
3305 PAPUA Daru, one of the weaker ones in the band; CW mx 1020(Sizer) (Patterson),
3315 VENEZ R.Maracay around 1000 w/LA mx pgm(Hall)0303-0333 Sp w/NA pops, ID
3322.5 BOUGAINVILLE IS RB; fine sig 1025 w/Pidgin, native mx(Sizer)1010 CW mx, ID, mailbag 1030(Jamison)1135-1145 rel mx, tlk(Neely)0810 lang(Burnett)
3325 VENEZ R.Monagas 0945 Sp w/cmtry, few IDs(Michalenka)
3335 N.GUINEA Wewak 1124-1220 interview, req.pgm(Heggs)Mx 0900(Bull)Local anmts in Pidgin 1025(Sizer)1103 drums, chanting(Jamison)1035 pop & CW mx(Neely)
3338 TAIWAN BLD20; ID & Chinese over jammer; cuts in TX; 2047(Hausor)
3346 ZAMBIA Lusaka strong by 0400 Eng nx, into DJ show, better than 3295(Hall)
3350 GHANA Ejura 0545 native(Ewe?) talk(Berghammer)0550 Afr mx, Eng ID & nx 0600 (Heggs, Tuchscheler)Eng nx 2245, into rel pgm, off 2301(Michalenka)(Burnell),
3365 DOM.REP. R.Exitos 0427-0447 mx, IDs(Handler)ID C501, LA version of US songs/
3366m BRAZIL(tent.) Believed Rdif do Paraná here 0900 Port tlk over RTTY(Berghammer)
3366 GHANA Accra 0600 Eng nx //3350 which is better(Berghammer)
3375 ANGOLA Emissora Oficial w/ID 2230(Sloan)
3380 MALAWI MBC s/on 0300 w/rooster & drums IS, Eng ID; Chortis under(Shaw)
3385 FR.GUIANA ORTF w/Fr ID 0028, play, ID, IM & off(Stenson)1047-1130 Fr anmts, NA CW songs, no ID; poor, QRM(Patterson)
3385 N.BRITAIN R.Rabaul 0816 Eng tlk on nx(Burnell)Best on band 1030 CW mx(Sizer, Neely)1015 mx, lang & Eng(Michalenka)1130 mx, better earlier(Jamison)(Berghammer)
3385 BRAZIL R.Cl. Teresina poor in Port nx, pops 0205(Sizer)0845 Port, Eur.lite mx
3391 ECUADOR R.Zaracay w/mx & ID 0502(Sloan)
3395 BRAZIL R.Cl.Conquista w/mx 0105, QRM but good lvl(Sloan)
3905 INDIA VUD w/Eng nx & sked 2310(Martin)
3905 INDONESIA RRI-Sukarnapura w/pop mx, Indon. anmts 2015, unlist WRTH SS(Padula)
3918 S.KOREA Seoul w/political tlk 2020, ncmially 3910, but staying here(Padula)
3960 MOZAMBIQUE R.Pax on NF, ex 7205; s/off w/AP 2102, mix Padang, Baghdad(Padula)
3995 SLOMON IS SIBS strong w/Eng anmt 0900 & 1000; native mx(Bull)

- 3997 S.AFRICA SABC good 0035 w/pops, Eng anmts, ham QRM(Koukol)
- 4500 LAOS Long Cheng w/mx(Lao?) 2258 by YL; play 2300 after TS(Martin)
- 4635 TADZHIK SSR Dushanbe(list) noted 0015 w/Tadzhik thru bad QRN; speech(Berghammer)
- 4650 ECUADOR R.Dif. del Ec.; 0135-0205 t/o w/LA mx & sports event(Tuchscherer)
- 4680 ECUADOR R.Nac.Espejo strong w/local mx 0540(Martin)ID 0228; mx, ads(Burnell)
- 4755 THAILAND Bangkok apparently not on regularly. Noted 23 Aug 0105 w/native mx; ID; I don't ever recall seeing this reported abroad, why not give it a try?(Hauser)
- 4757 BRAZIL R.Dif. do Maranhão w/mx to 0400 s/off daily; very strong(Behr)
- 4760 VENEZ R.Frontera thru QRM w/LA pops; ID 0400(Sizer)Believe s/off 0400A(DF)
- 4765 CONGO(PR) RTVC at 1820 w/M&W tlking in vernaculars(Martin)
- 4765 BRAZIL R.Feira de Santana w/ID & fqy, TC; 2310(Martin)
- 4767 COLOMBIA R.Catatumbo 0018 Sp tlk(Potter)0350 pops, ID 0400 s/off(Sparks)
- 4770 LIBERIA ELWA daily around 2210 w/rel pgm in HS; Eng(Kalkstein)
- 4772 VENEZ R.Bolivar w/LA mx 0325(Sloan)0955 cmtry, many IDs; S-4(Jamison)
- 4777 ECUADOR Stn w/Ec mx, frequent mention of Ec. No ID but sounded like "R.Cara" mentioned once; frequently on after 0700(Sparks) See also 4794v(DF)
- 4777 GABON Libreville good around 0430 s/on after IS & anthem, in Fr(Dexter, Koukol) 0504 Fr mx, Afr mx(Tuchscherer)Fr ID 2200(Bruce)Good lvl w/late sked of Afr mx: 0130(Stenson)
- 4790 ECUADOR R.Atalaya at fair lvl 0018 tune w/LA mx(Potter)
- 4794v ECUADOR LV de los Caras clear Sp ID 0515, abrupt off(Berghammer)0339-0402 off; LA mx; 2 IDs(Tuchscherer)
- 4795 CONGO(PR) ORTF w/Fr mx 0500; 4803v used only evenings, apparently(Berghammer)
- 4795 DOM.REP. Onda Musical w/LA format 0200(Shaw)
- 4800 VENEZ R.Lara w/pops, male ancr 0308; RTTY(Lemna)
- 4803 CONGO(PR) Brazzaville in Fr w/classical mx; pop mx; 1850(Martin) (Dexter)
- 4808 ECUADOR UNID, possibly R.Pop. Cuenca w/Ec mx; tlk, etc. to abrupt s/off 0452
- 4314m BRAZIL R.Icarema f/i 2300 Port futebol game, before RTTY up(Berghammer)
- 4814m ECUADOR Canal Manabita w/IDs, ad; Peru off this day. To 0502*(Berghammer)
- 4822v BOLIVIA R.Grigota 0200 Sp cmtry, open RTTY carrier up 1 kHz(Berghammer)
- 4825 DOM.REP. HIFA w/ID 2210, the recent report indicates move to 31m(Potter)
- 4830 PERU R.Apurimac at 1028 w/many IDs(Lemna)How 'bout more details on these?(DF)
- 4830 VENEZ YVOA w/relay of Rumbos net & local anmts. 1020-1040; het & QRN(Patterson)
- 4835 BRAZIL R.Dif.Roraima w/mx: 0237 & 0251, off w/gong 0301(Sloan)Tentative, 0225-0303 man in Port anncing soccer game; ads, no ID noted(Patterson)
- 4836 MALI R.Mali w/vernaculars mx 2245; s/off 2302(Martin)
- 4840 VENEZ YVOI 1015-1034 Sp tlk & LA mx; "R.Valera" IDs; CW QRM & het(Patterson)
- 4845 BOTSWANA RB; fair 0440 w/lang, BBC mx 0500(Koukol)Afr vocals 0450(Burnett)
- 4850 MAURITANIA RTVM over RTTY w/Arabic 2240, Fr 2246, off 2301 after chants, native mx(Stenson)
- 4855 BRAZIL R.Dif.Taubate w/mx to 0403 s/off w/ID(Behr)
- 4855 INDONESIA Palembang w/Indonesian chants, tlks; around 1115 on; good(Haines)
- 4865 AZORES Ponta Delgada 2250 lite mx; chimes, ID, anthem & off 2300(Stenson)
- 4865 BRAZIL R.Cl.do Pará w/ID 0050(Sloan)0236-0301 s/off; variety of mx; ID at close(Tuchscherer)
- 4875 BOLIVIA La Cruz del Sur on NF at good lvl 0045(Sloan)0300 s/off w/Eng anmts (Sparks)Light mx; Sp & Eng anmts at 0305 s/off(Lobdell)
- 4875 S.AFRICA SABC s/on Afrikaans 0400; QC, from 6 Sept(Berghammer)
- 4885 BRAZIL R.Pioneira de Teresina caught w/futebol, weak 2250(Sizer)
- 4890 PAPUA ABC w/mx: 0817, good(Gager)0937 Pidgin, local mx(Fisher)Cmtry 0950(Jamison) mx: 1050, ID 1100(Byers)Drama Sunday from 1012 tune to 1159, mx: 1100, opera mx: 1115 (Burnell)1129-1159 mx & mx: pgm(Handler)
- 4890 SENEGAL Dakar 0600 IS, anthem, s/on by gal in Fr, chanting(Stenson)0630 local mx & chanting(Burnett)
- 4895 USSR Ashkabad w/talk; Tyumen w/ID; 1930(Martin)
- 4910T GUINEA R.Nat.; Afr mx w/Fr tlk, no ID noted; was here until '68; 0633.(Lobdell)
- 4915m BRAZIL R.Cult.de Araraquara, 0930 Port ID, cmtry, Brazilian pops(Berghammer)

- 4915 GHANA Accra w/Eng mx: 0600(Burnell)Eng mx: 0610, lang 0615(Burnett)Opera 2200 in the English service; good signal(Kalkstein)
- 4915 KENYA V.of Kenya 0330 s/on Swahili tlk by male. Splatter de HC(Berghammer)
- 4916 ECUADOR R.El Trebol 0330 Sp ID, resume Andean mx: pgm; HJ off 30 Aug(Berghammer)
- 4920 AUSTRALIA VLM4 at 1005 w/mx: pgm(Jamison)Eng 111.7 past 1130, US pops(Banta) 1130 Eng; last on the band(Berghammer)
- 4923 ECUADOR R.Quito as early as 2345; & 0350 mx:(Sloan)0135 ID, LA mx:(Koukol)0235-0255 classical mx: pgm, ID 0300, mx, ads(Burnell)
- 4926 RIO MUNI R.Ecuatorial fair 0450 w/Afr mx; chime & Sp ID 0501(Koukol)
- 4933 ECUADOR Casa de la Cultura at 0145 w/R.Ned. Sp. transcription pgm of dance mx: to 0200 when TS/ID are given; strong(Potter)pop mx: & ID; off 0415(Sparks)
- 4950 SARAWAK RMS, Eng mx: & mx; 1400-1600(Loustau)
- 4955 COLOMBIA R.H.c., good w/classical mx:0225(Burnell)Goongs & ID 0229(Gager)
- 4965 S.AFRICA SABC s/on 0400 Eng; QC from 6 Sept; zero w/Colombia(Berghammer)
- 4970 VENEZ R.Rumbos daily about 0300; good lvl w/LA mx; ID & mx: 0335(Jankowski)
- 4968 KUWAIT R.Kuwait good 1840 w/Eng mx:(Sloan)
- 4973 BRAZIL R.Timbira w/pops & ID 0010(Sloan)
- 4980 VENEZ Ecos del Torbes back after several weeks off the air; 0300 pop & concert mx; ID(Sparks)0248 Eng & Sp songs(Lemna)0954 Sp, LA mx:(Fisher)0452(Gager)
- 4980 GHANA R.Ghana w/Eng mx: 0615, ads, mx; fair sig(Burnett)
- 4985 MALAYSIA Kuala Lumpur w/ads 2257(Martin) In Eng??(DF)
- 4990 NIGERIA NBC, Lagos s/on 0430, Eng; sked //3986; LA CRM(Berghammer)
- 4994m SUDAN SBCS 0330 Arabic tlk, usual low mod.(Berghammer) Arabic ID 1845(Sloan)
- 5010 SINGAPORE BFBS 1427 lang, oriental mx; s/off 1430 w/GSTQ(Fisher)
- 5015 GRENADA WBS w/ads 2330(Shaw)From 2245(Kalkstein)0019 w/"Radio Doctor", 18 Aug. (Tuchscherer)Used to s/off 0000, recent rpts put s/off at 2345, now hrd 0019;(DF)
- 5020 COLOMBIA Trans.Caldas from 0513 w/ID, mx; mx: 0530(Byers)Wx: 0530(Martin)0912 Sp, singing(Fisher)
- 5034m C.AFR.REP. RNCA s/on 0430, Fr anmts, Afr mx; low het de HJ(Berghammer, Koukol) Sat 2245 w/lite mx; Fr anmts, off w/anthem 2302(Lobdell, Stenson)
- 5040 HAITI R.Valparaiso 0303 s/off w/Haitian anthem(Behr)
- 5044m BOLIVIA LV del Altiplano 0900 Sp ID, then pgm of Lymara tlk & mx; 15 Aug (Berghammer)At 0515, 6 Sept, Havana rptd in Eng: "...it was also reported that Radio Altiplano, Bolivia's most powerful radio station was paralyzed yesterday by a bomb explosion in one of it's transmitting antennas; the explosion partially destroyed the tower...."(Schnabel)Received here too late to forward to NEWSROOM editor(DF)
- 5047 TOGO Lomé w/good sig from 2130; mx: 2200(Kalkstein)0015 late pgm; Fr w/Eng pop mx; 25 Aug(Shaw)S/on Fr 0530(Loustau)
- 5050 PERU R.Loreto 0443-0455 s/off w/LA mx; ID(Tuchscherer)
- 5060A VENEZ R.Cultura 0200 baseball, 0225 Venez mx; past 0232(Burnell)
- 5075 COLOMBIA R.Sutatenza w/educational pgms 0308 //5095(Burnell)
- 5095 COLOMBIA R.Sutatenza at 1018 w/Sp talk, //5075(Sellers)
- 5115v PERU R.Eco believed the Peruvian here 1015 Sp w/tropical(not Andean)mx; ex 5010; Ecuador apparently moved(Berghammer)
- 5180 PERU R.Atlantida 0302 mx to 0310, then mx:(Tuchscherer) (Berghammer)
- 5192m ANGOLA(tent.) RC do Morico believed the stn s/off 2300, under RTTY carrier/
- 5272 PARAGUAY Unid Paraguayan 2340-0030 abrupt s/off; many breaks in tx, as long as 12 minutes(Sloan)
- 5590U INDONESIA? UNID w/mood mx; YL ancr, 1120 5 Sept(Hauser)
- 5697 LAOS Unknown stn in Vientiane w/local ads in Lao, Lao songs, Not //7790; RNL off air this time. Likely source of irritation to Americans in Laos who have a communications net on 5700(Hauser)
- 5804 YEMEN Sanaa weak 0305 w/male anncr, Arabic chants(Lemna)0309 Arabic mx:(Koukol)
- 5845 INDONESIA RRI-Pakanbaru definitely IDg here. Pcp mx: to 1200, then Djakarta relay. More pop mx: to 1300, then a second relay. Still going 1400. IDs as "Inilah RRI, Pakanbaru" & uses frequent 2-chime tune during pgm(Berg)

- 5940 RSFSR(Eur) New HS outlet 0215 w/Russian talk, 27 Aug(Berghammer)
- 5950 PERU R.Arequipa 0315 mx & Sp ID; weak but clear(Behr)
- 5955 COSTA RICA R.Casino 0550-0602 s/off w/pop records(Tuchscherer)Pops 0455(Martin)
- 5955 S.AFRICA SABC 0445 in Eng Svc //4965, 7215; QC, from 6 Sept, under RBI(Berghammer)
- 5955 ECUADOR LV del Triunfo, Ec mx & Sp ID, to 0500 s/off; 19 Aug only, not 5995(Behr)
- 5955 GUATEMALA R.Cultural0330-0345 "Song & Sermon" in Eng(T.Jones)Eng rel pgm 0415, ID, fqys & TC at 0430 s/off(Burnett)0420 Eng, "Thru the Bible" 0435 into Sp(Kolb)
- 5960 BOLIVIA Em.Pio Duce, orch mx to 0401 s/off w/"Kwai" march, 19 Aug(Behr)
- 5963 ANGOLA A Voz de Angola from 0500 w/anthem & many IDs(Behr)
- 5965 BRAZIL R. Guaiba 0230 US pops, //11785; good(Heggs)
- 5970 COLOMBIA R.Horizonte at good lvl 0520 w/LA mx, off 0530(Martin)
- 5970 POLAND Warsaw, NF; 0200 s/on Polish, Eng IDs, continue in Polish, anncd //7125, 9540, 11800, 15275, 15355(Berghammer)
- 5970 PERU R.El Sol, 0500 mx, ID, Sp mx(T.Jones)
- 5980 S.AFRICA RSA s/on 0417 to 0427 s/off w/Eng mx to E.Afr.(Jones)
- 5980 GEORGIAN SSR Tbilisi(list) relay Moscow Eng to UK/Ireland 2207 w/mx(Sizer)
- 5982 PERU R.Panamericana, 0400 noticias, ID & pop mx; 11 Sept(Sparks)
- 5983 USA WNYW s/on Eng 0200; Sp, then CBS mx; QC, //9715, 11855, 15215(Berghammer)
- 5987 INDONESIA(C&M) RRI-Menado good w/local mx to 1300; Djakarta relay, then CW mx. //7295 not as strong. Listed 5995, but is here.)Berg)
- 5995 POLAND Warsaw w/Eng mx 2230, 10 kw(Calkin)
- 5995 PORTUGAL DW-Sines strong 2300 w/Eur, langs(Potter)
- 5995 AUSTRALIA RA 0905 w/Eng mx(Jamison)1100 & 1200 mx, off 1212(Behr)
- 5996v MALI R.Mali 2200 group singing in Mandingo lang, then Fr anmt(Berghammer)New HP tx; Afr mx, Fr armts after VOA-Gvl off 0730; sometimes 9710 instead(Padula)
- 5995 UNID w/Fr 2245, abrupt s/off 2300; DW underneath when carrier went off(Shaw)
- 5995 MARTINIQUE ORTF w/fine sig 2245 w/W.Indies calypso & Fr; unsked this time WRTH/
- 6000 BRAZIL R.Inconfidencia w/ID 0240; light mx; fair(Heggs) (Sizer)
- 6005 W.BEFLIN RIAS w/ID & mx 2230(Calkin)
- 6006 COSTA RICA R.Reloj at 0530 w/pop mx & ID(Sparks)
- 6010 CYPRUS BBC EMR 0130-0145 Bengali(Berghammer)
- 6012m THAILAND Thai TV Co peaks 1100 w/slow traditional Thai songs, 10kw(Berghammer)
- 6020 COLOMBIA LV de Bogota 1025-1030 LA mx (Romanchik)
- 6025 PORTUGAL RP 0420-0430 s/off w/mx in Eng(T.Jones)
- 6029m CHILE R.Mineria 1015 Sp tlk, ID; hets FEBC(Berghammer)
- 6030 PHILIPPINES FEBC 1030 Eng, mix Canada(Berghammer)
- 6030 COLOMBIA R.Nac.; 0112 Sp discussion(Fisher)0130 Sp tlks & mx(T.Jones)
- 6035 NIGERIA R.Nigeria, Emugu; 0458 drum IS, Eng ID, Eng mx 0515; often strong(Behr) 0530 Afr mx, ID & Eng mx 0600(Sparks)
- 6037 COSTA RICA TIFC 0003 w/Sp songs; weak(Koukol)
- 6040 COLOMBIA LV del Tolima1028 chimes, ID, back to LA mx, emtry(Jamison)
- 6040m SINGAPORE FBS s/on 1130 w/Gurkha tlk; HJ not on 30 Aug(Berghammer)
- 6044m INDONESIA PRI 1030 Indonesian folk songs; hets Peru, up 2(Berghammer)
- 6045 PERU R.Santa Rosa excellent 0315 w/mx & talk(Dexter)
- 6050 HONDURAS R.America 1105 Sp mx, TC, few IDs; listed s/on is 1300(Michalenska)0430 mx, IDs & request for letters, 0455 s/off; now using 5 kw(Behr)
- 6050 ECUADOR HCJB 0915-0930 DX Partyline in Eng(T.Jones)
- 6060 CANADA CBC No.Svc returned here in QC from 15190, //9625; 0100 & 0705(Berghammer)
- 6065 USSR Moscow Arabic svc new on this fqy w/mx 1910(Padula)
- 6070 THAILAND TNBS 1045 Thai tlk under CFRX(Berghammer)
- 6075 S.AFRICA SABC Afrik. svc 0500 w/mx under DW; QC, //4875, 7260(Berghammer)
- 6075 W.GERMANY DW in QC ex 11785 to WCNA 0435-0555 Eng, //old 6145, 9545(Berghammer, T.Jones, Gager)
- 6080 HAITI R.Haiti 1232 w/Sp ID(Potter)Move from usual 6195(DF)
- 6085 W.GERMANY Bayerischer Rundfunk 0020 Ger, after R.Ned. s/off(Shaw)
- 6085 CONGO(DR) Kisangani fair 0357 s/on after IS, anthem, Fr ID, into Afr mx(Koukol)
- 6085 INDIA VUM, Madras, w/Vividh Bharati pgm, open 1259, into mx(Hauser)

- 6090 NIGERIA RTV Kaduna fair 0440 in lang w/some Eng ads(Koukol). (Shaw)
 6090 LUXEMBOURG RL s/on 0400 after IS, Ger(Koukol)Quite good 2345 w/IDs, QRM XECMT/
 6091m CAMBODIA R.Cambodge 1.045 Camdodian folk mx: over Argentina 30 Aug(Berghammer)
 6099m VENEZ Naval Time Stn 0940 w/pips, definite drift(Berghammer)1.01.5 anmt(Fisher)
 61.05 MEXICO R.Yucatan 1.156 open carrier, 1.159 s/on (Potter)
 6119v VENEZ recently activated R.Angostura, Ciudad Bolivar; 0330 Sp IDs, ads for chain of shoe stores; good sig, but characteristic autumn QSB(Berghammer)
 6120 UNID Sp spkr 01.06 w/LA mx under Haiti(Potter) Possibly the Venez. stn above(DF)
 6120 SWITZ SBC 0130-0200 Eng to ECNA in QC, //9535, 1.1715(Berghammer, Leger)
 6125 HONDURAS R.Suyapa w/Sp tlks 0105(Potter)Noticias 0545(Sloan)
 6130 CANADA CHNX, Halifax: 0530-0600 Eng pops(T.Jones)0045 Sports(Koukol)1.220 open mike pgn, mx: 1.230(Burnell)
 6130T LAOS 1.200 YL in lang; QRM(Potter)
 6135 ECUADOR HCJB, NF this time period, Eng tlk on EXPO, ex 6050 from 6 Sep(Padula)
 6140 COLOMBIA R.El Sol, Cali; 1.015-1.030 mx & Sp talks(T.Jones) (Volle)
 6140 SPAIN RME w/Eng to NA 0200(Bruce)Eng to NA to 0345*; long s/off anthem, //9760/
 6140 AUSTRALIA VLM6 at 1.020 w/cmtry(Jamison)
 61.50 AUSTRALIA VLR6 1.038 mx: & ABC pgming(Jamison)
 61.55 AUSTRIA Vienna at 2300, s/on German; fair(Sloan)
 61.57T HAITI R.Citadelle. Cuts in daily except Sunday about 1033; male ancr in Fr; weak & close to NFLD & Granada. Pop mx, Viennese waltz types, rel pgms(Hall)
 61.60 CANADA CKZU, Vancouver s/on 1400 w/TC, ID, mx, wx, lite mx: pgn(Berg)Light mx: 1403 (Fisher)
 61.60 COLOMBIA Em.Nueva Granada Sp 0500(T.Jones)RCN pgms 0448 past 0540; LA mx: & net IDs(Burnell)LA mx: 0406(Scoville)1.01.5 LA mx, IDs for "RCN"(Schnabel)George lists this as UNID. I think possibly the IDs were for "RCN"??(DF)
 61.60 CANADA CKZN, Mfld; excellent around daylight, now about 11.00, as Granada fades out; DJ type pgn, TCs & local mx:(Hall)
 61.64m S.VIETNAM VTVN 1.045 Viet folksongs, low modulation(Berghammer)
 61.65T BRAZIL R.Cultura(?) from 0000 daily in Port, but no ID hrd(Behr)
 61.70 UNID, maybe Korean or other N.Asian; s/on daily 1.227 w/anthem or choral singing; then 1 pop selection every day. Mx, drama, few bars of military mx: here & there. Daily studio discussion 1310; talk/FE mx: show 1330; still going 1400(Berg)
 61.70 MOROCCO RDTV Marocaine in Arabic to 0000 s/off, //6190 is weaker(Behr)
 61.75 HUNGARY R.Budapest at 0200 w/Hungarian, Eng 0300; in mid-Aig(Bher)
 61.75 BRAZIL R.Guarani strong around 0510, few IDs(Martin)WRTH shows 0300-0400, so is incorrect(DF)
 61.80 GUATEMALA LV de Guat 0130-0200 Sp mx, tlk(T.Jones)0130 Sp,mx: (Fisher)
 61.85 ENGLAND EBC 0300 Eng mx, ex 6180(Behr)
 61.90 MOROCCO Sebaa-Aioun w/Arab mx 2233, //6170, beware Tunisia 6195(Sizer)
 61.90 RSFSR(As) Petropavlovsk-Kamchatski 1000 Russ HS; 7 pips, apparently for 1900 local time(Berghammer)as early as 0800; M&W ancres, usually classical mx: or opera, Moscow IS on hr & 1/2 hr. Now covers RRI-Padang(Hall)
 6191mv INDONESIA RRI Panang 1.045 Indon. speech, thru RSFSR(As); this QTH rptd in Australia(Berghammer)
 61.93INDONESIA(W.Irian) RRI-Manokwari; finally IDd as Manokwari after long weeks of listening. Good lvl 1.200 w/pop mx; Djakarta relay 1.300, then back to pops; still hrd 1.400; always a bit overmodulated(Berg)
 61.95 S.AFR. SABC 0300 w/pop mx; ads, strong(Sparks)0420 Eng & Afrik. mx, ads; mx: 0430; in QC //7150, under BBC, over Tunis.(Berghammer, Fisher)
 62.02 FERU LV de Huamanga from 0403 tune w/mx, tlk, few IDs; fair lvl(Dexter)0445 pop mx; ID 0500 & s/off(Sparks)
 62.05 INT.WATERS RNI from 2155, past 0500, but s/off 2200 Sat(Burnell)0030 Eng pops to 0200 s/off(Michalenka)Eng pops 0130(Shaw)2308 Eng ID, pops(Lobdell)From 0315 w/jazz, believe asked for rpts. Full ID w/Mebo II position; Swiss address 0400 & into pop mx: pgn(Dexter)
 62.50 FERNANDO POO Santa Isabel 2210-2252* w/Sp & Afr mx, off after anthem(Burnell)

- 6254 GALAPAGOS IS LV de Galapagos, HCVG8, Mision Franciscana, Puerto Baquerizo, Isla San Cristobal, Archipelago de Colon, Ecuador. (Whew!(DF)Pacific Is. mx & Ec. mx: to 0400 s/off; fair lvl. Varies to 6255(Sloan)Did you hear a definite ID on this one. Not clear from your report. This stn has been reported for several months, but no definite ID reported till now (?); I have been unable to ID it so far. (DF)
- 6290 N.KCREA Pyongyang w/Korean HS 11.00, long tlk by man; good(Matthews)
- 6381v N.VIETNAM(tent.) Stn Hauser rptd as Tay Bac here 1030 in lang(Berghammer)
- 6432v UNID SEA stn first rptd by Hauser at 1030 w/Indon. or Malay by lady(Berghammer)
- 6519 INDONESIA UNID stn w/western mx 1925, Indon. anmt 1930, past 2030(Hauser)
- 6843 INDONESIA? Similar tlk & mx: hrd before from Indon. 1500, no Djakarta mx: rly(Hauser)
- 6850 POLAND Polish Pathfinders Stn in Polish from 1540 t/i to 1700 s/off. Pgm of W.European & US pop mx:(Calkin)
- 7105 ASCENSION IS BBC 0445-0500 mx/stock market rpts in Eng(T.Jones)
- 7115 AUSTRALIA RA 11.00 past 1230 in Eng. Parallel 5995, 7205 close at 1212(Behr)
- 7115 SOLOMON IS at 0800 s/on w/ID, then RA mx, lang pgm, then Australian newsreel; good sigs till 1115. (Haines) Huh? Which is it?(DF)
- 7115 CONGO(DR Kinshasa 0235-0302 s/off w/Afr mx; close w/anthem; Fr(Tuchscherer)
- 7120 MALAYSIA BBC-FES, relay Chinese from London 1215; not often hrd here(Padula)
- 7130 W.GERMANY DW, NF ex 7275, Turkish 0440-0510 s/off, //6130, 9605(Behr)
- 7135 MONACO TWR w/rel pgms 0800; good(Bruce)Huh? Thot R.Monte Carlo was here(DF)
- 7150 PORTUGAL DW Sines 0345-0400 Rumanian(?); frequent IDs(T.Jones)Serbo-Croat 0515 s/off(Volle) (Berghammer)
- 7150 S.AFR. SABC all nite svc 0130 Eng, Afrik. IDs, TC, ads; QC, sked //3952/
- 7150 MALAYSIA BBC IS 0800, ID, IS; into WS, 30 Aug(Shaw)
- 7155 JORDAN Amman at 2215 tune w/Arab cmtry, ID 2230(Shaw)
- 7155 FRANCE ORTF good w/Eng mx: 0515-0530(Volle)
- 7165 OKINAWA VOA w/local ID 1059 s/on vefore Eng pgm(Jeeves)
- 7170 N.CALEDONIA Noumea w/Fr mx: & armts 0815(Burnett)Light mx: 1030, Fr armts, ID 11.00 before s/off w/LM(Byers, Stenson)
- 7200 ENGLAND VOA 0410-0430 Eng mx in Breakfast Show(T.Jones)0508 mx, cmtry(Fisher)
- 7205 HOLLAND R.Ned., 0800-0920 Dutch to S.Eur; QC ex: 6020 //11785, 15180(Berghammer)
- 7205 AUSTRALIA RA still here w/ID, fqy,s/off 1212(Potter) S/on 0830 in Eng(Burnett)
- 7210 SENEGAL Dakar s/on w/drum IS 0655; man in Fr mx, mx: 0700. Also at 2211 w/old dixieland jazz. ID 2215; BBC Limassol is underneath(Shaw)
- 7215 S.AFRICA SABC Eng svc w/pops under RFE //4965, 5955(Berghammer)
- 7215 IVORY COAST Abidjan w/Fr tlk, Afr mx; good lvl, much QRM 2359(Sizer)
- 7215 BRUNEI R.Brunei w/M&W in Chinese dialect 1030 to 11.00 t/o. Songs, 1 in Eng; QRM 7210 USSR, het 7216A. 26 Aug excellent day for small Asians(Matthews)Tentative, native pops, Asian lang, 5 mornings between 1000 & 11.00(Sizer)
- 7225T MOROCCO Believe is Sebaa-Aicun w/Sp mx: 2230; extreme QRM(Sizer)
- 7230 JAPAN NHK w/Japanese tlks & mx: 0820(Burnett)
- 7235 FLJI Suva at surprising lvl in Eng mx 1115; NF, better than 90m & on later(Sizer)
- 7239v IRAQ Baghdad s/off 2325v after Koran chant, Arabic. //new 11857v(Berghammer) Arabic mx: & instr. mx: 2200 tune; ARO QRM(Shaw)
- 7240 YUGOSLAVIA Belgrade s/on Sp 0100; YL w/nx, cmtry; good sig, ARO QRM(Shaw)
- 7245 ANGOLA Em.Oficial strong w/pops, M ancr, 0030-0105 Sun, over AROs; Port(Niblack)
- 7245 NIGERIA V.of Nigeria w/mx: 1830; poor(Bruce) (Jeeves)
- 7250 FRANCE ORTF w/Eng mx: 0515 //7150, 11920 from Paris; 11720, 15190 from Brazzaville/
- 7255 NIGERIA NBC, Lagos, 0615 Hausa, then lady gives ID in Eng. Sked //4990(Berghammer)
- 7260 S.AFRICA SABC w/Afrik. tlk 0500; QC //4875, 6075, under BBC(Berghammer)
- 7285 JAPAN NHK Home Svc relay, Eng lessons 0925(Padula)
- 7290 MONACO TWR w/IS 0620, ID 0625, then Eng rel pgm(Byers, Shaw, Tuchscherer)
- 730 E.GERMANY RBI w/Fr to Eur 2115, Italian 2130; good despite 5kw list WRTM(Sizer)
- 7305v NIGERIA Enugu s/on 0500 Eng(Jeeves)Eng ID 0500, Eng mx: 0530. Is NOT a R.Nigeria outlet & not //6035. ID is not clear, but may be "East Nigeria Br.Svc"(Behr) 0508 pgm notes & choir mx:(Tuchscherer)

- 7305v CLANDESTINE stn rptd as "V. of Malayan Revolution" w/political tlk in Malay 1130 seems //9590, whr covered by Peking in Mandarin. At least 10kw(Berghammer)
- 7440 BYELORUSSIAN SSR "Havorit Meensk" 0100 clear but weak; rapid fade(Shaw)
- 7788 LAOS S.W.Siang Su San, believed Army HQ stn in Vientiane; native mx: & IDs 0557; off 0604(Hauser)
- 8600 LAOS(Clandestine?) FBIS lists here the "R. of the Patriotic Neutralist Forces" but doesn't give the Lao slogan. Stn noted 0450, mx: 0458, s/on armt; not //6130, 5160, or 6198; off 0559 after mx: & tlk, ID similar to Pathet Lao. Also 1357*(Hauser)
- 9410 ENGLAND BBC 2350 w/talk in Burmese; fair(Sellers)
- 9429 S.VIETNAM V. of the Patriotic Militiamen's Front(VPMF) w/ballad & gongs; chirps 0612; Viet ID 0616, into dialect 0618(Hauser)
- 9431v VIET Clandestine first rptd by Hauser 1045 under carrier(Berghammer)
- 9450 PERU R. Continental de Arequipa w/pop mx: & ID 0430(Sparks)
- 9492 PERU R. Tacna at 0500 pop mx: & ID(Sparks) On 9494 w/sports, ads 0055-0100(Niblack)
- 9505 JAPAN NHK 0900 Eng mx: & cmtry(Jamison) Jap 0930, lessons(Bruns) 1100-1130 Eng & Jap (Romanchik) Eng mx: 1400(Wallin)
- 9505 SWEDEN RS on NF ex: 11705 to WNA; 0300 Fr, 0330 Eng, 0400-0430 Swedish(Gager, Berghammer, Jeeves, Rowell, Padula)
- 9505 N. CALEDONIA Noumea here late Aug around 0800, //670mw, 7170, 3355, all hrd same time. QRMing NHK 9505. Not hrd since late Aug. Possibly a test(Padula)
- 9508v ALBANIA Tirana w/Sp mx: 0540, Arabic 0600; fqy varies(Padula)
- 9510 CHILE R. Corporacion 0715-0805 t/o w/various mx; few IDs(Burnett)
- 9510 VENEZ R. Barquisimeto good 1155 w/LA mx:(Burnell)
- 9515 TURKEY Ankara 1930 Turkish tlk by lady; is this 200 kw yet?(Berghammer)
- 9520 DENMARK RD w/IS 0100; Danish tlk & light mx:(Shaw)
- 9520 KUWAIT RK 2100 Arabic to NW Afr; mx: after ID; sked s/off 2115(Berghammer)
- 9520 N. ZEALAND RNZ 0903 fair w/Eng mx: //11780(Jamison)
- 9520 PAPUA ABC Port Moresby at 0655-0700 s/off w/Eng mx:(T. Jones)
- 9520 BRAZIL R. 9 de Julho at fair lvl & w/good mx: 2245(Martin)
- 9525 POLAND Warsaw w/Sp mx: 2305(Padula) 0115 Polish; Havana on 0122(Berghammer)
- 9535 INDIA AIR HS mx: 1230-1240 in Eng; carrier stays on(Berghammer)
- 9535 MEXICO R. Mexico 0500 Sp IDs(Bruns) Anything else?(DF)
- 9540 N. KOREA Pyongyang good 1100-1120 w/Eng mx: by YL; QRM(Koukol)
- 9540 N. ZEALAND RNZ w/Eng mx: & features 0600; excellent(Morgenstern)
- 9545 W. GERMANY DW at 0003 w/Sp tlk; fair(Sellers)
- 9547v BRAZIL The Curitiba stn here rptd in Eur using new ID: "R. Universo de Curitiba". Noted 0930 Port, but too much VOA splatter(Berghammer) Please give full source when quoting from other bulletins so that proper credit can be given here. Even though certain other bulletins do not give proper credit when quoting NASWA(DF)
- 9550 BULGARIA Sofia s/on 2300 Bulgarian to SA, late August(Padula)
- 9555 PORTUGAL DW Sines w/Rumanian cmtry 0405, Bulgarian 0415. NF ex: 9665, from 6 Sept. QRM YSS 9553.5(Padula)
- 9560 AUSTRALIA ABC w/sports mx: 0645, //11710; good(Bruce) 0800 stock rpt(Burnell)
- 9562 PERU R. Mac. del Peru 1045 w/Andean mountain mx; VOA got 'em 1100(Schnabel)
- 9569m VENEZ R. San Cristobal is likely the tx: on this shared fqy 1230 in Sp; can't raise positive ID(Berghammer)
- 9570 RUMANIA Bucharest fair 0150 in Eng(Reynolds) 0220 Eng, DX pgm, QRM BBC 9580(Burnell)
- 9575 ITALY RAI, QC ex: 15410; Eng to ENA 0100-0120, //11810(Berghammer, Leger)
- 9578.5 INDONESIA RRI-Djakarta w/Indonesian to Eur 1800, het RA 9580(Padula) Ex: 9587; 1200-1300 Mandarin, classical opera, het RA(Berghammer)
- 9580 AUSTRALIA RA now has Eng to NA 1115-1300 on 9580 only. Is "Gen. Overseas Svc" from 1215(Byers, Michalenka) 1000 begin Eng ID, into Japanese; fair //11810(Sellers)
- 9585 BRAZIL R. Excelsior w/futebol 2358(Martin)
- 9590 CHILE R. Pres. Balmaceda; exc lvl 2320 pop mx, ID, mx: 0000, mx: R. Ned. on 0022; Note that QSL says 10 kw, not 1 kw(Berg)
- 9595 JAPAN NSB 1300-1330 Jap tlk(T. Jones) NHK here w/Eng 1415-1430, then Jap(Handler)
- 9605 NTH. ANT. TWR begin Sp 2335, mix VOA-Phil.(Padula) 0000-0025 Sp to LA, off(T. Jones)

- 9607v BOLIVIA New, so far UNID Bolivian is being rptd as "R.Santa Cruz" in Eur, but have also seen it listed as "R.Pirarai" & WRTH SS says "R.Augustin Aspiagu". To complicate matters, I've noted R.Tamoio drifting to 9608 recently; but this is definitely Sp & is Bolivia. 0100, 27 Aug(Berghammer)
- 9610 AUSTRALIA Perth w/Eng, concert & poetry 1400-1430(Marshall)
- 9615 VATICAN VR 0050-0105 Eng to NA; QC ex 17750, //11725, 15285(Berghammer)
- 9620 YUGOSLAVIA Belgrade 2215 end Eng, then Fr(T.Jones)
- 9625 ISRAEL Kol Israel w/Eng mx, cmtry, interviews 2045(Morgenstern)
- 9625 POLAND Warsaw on NF ex-9635, 5 Sept; Polish songs, ID 0435, past 0500(Padula)
- 9630 CZECH Prague w/IS, s/on 0300 Eng to NA; heavy QRM(Volle)
- 9630 VATICAN VR 0050-0105 Eng for NA; good(Sellers)
- 9635 COLOMBIA R.Nac w/ID 2345(Martin) What else?(DF)Nb: 2205, good lvl(Padula)
- 9640 VENEZ Ecos del Torbes w/Sp & IDs 1130(Behr)1215, Sp ID & mx; shares fqy with R.Nacional(Berghammer)
- 9645 COSTA RICA TIFC 0258-0404 w/Eng rel pgms(Watman)Assume s/off 0404?(DF)
- 9645 VATICAN VR 2210-2225 Eng to Aust/NZ; QC, //11745, 15155 also ancd(Berghammer)
- 9649m CHILE(tent.) Believe the Sp stn here is R.Yungay, currently hrd in Australia. Noted 1015 w/Sp tlk, just above the noise(Berghammer)
- 9650 GUINEA Conakry LV de Rev w/steel band & "Peanut Vendor" & ID; 2355(Martin)Huh?(DF) 2300 Afr mx, ID 2330, lite mx: till wiped out by VOA 2340(Stenson)
- 9650 PORTUGAL RTE relay DW 2115 w/IS & Czech; Arabic anmt 2152; DW IS 2158(Heuser)
- 9655 PERU R.Nor Peruana 0230-0315 mx & Sp ads(T.Jones)"La Hora Misical" 0100(Sloan)
- 9655 POLAND Warsaw on NF ex 11870; Eng to NA 0330-0345 s/off(Padula)
- 9660m VENEZ R.Rumbos 0310-0330 w/mx, Sp tlk 1322(T.Jones)2315 Sp ID(Niblack)
- 9665 MONACO TWR w/Eng rel svc on a Su nday, beginning 0800(Padula) (Berghammer)
- 9670v SYRIA Damascus 1930-2100 Eng to Eur, after summer on 15165; over Saudi Arabia
- 9675 EGYPT Cairo w/"Spotlight on Mid East" in Eng 2235(Martin)
- 9680 S.AFR. RSA Int.Svc. w/nx 0605 over VOA(Burnett)Eng mx 0601, mx 0615(Kolb)
- 9680 AUSTRALIA ABC, Melbourne w/nx 1200 & 1300; cl mx: 1215, poetry 1245(Burnell)
- 9685 UNID w/stringed instr. IS 0630, into unrecognized anthem; YL in Arabic(Shaw)
- 9690 RWANDA DW; 0545 IS, Eng(Loustau)Beginning or end of pgm??(DF)
- 9695 BRAZIL R.Rio Mar; exc sig, frequent IDs by slow speaking, clearly enunciating locutor. Brazilian mx, but not the usual frenetic sort; v.good sig(Schnabel)
- 9695 JAPAN NSB 0940 Jap talks(Jamison)
- 9700 BULGARIA Sofia 0000Eng mx(Volle)0405 Eng mx, Bulg. folk mx: 0420(Kolb)
- 9705 NIGER ORTN, Niamey s/on 0700 w/anthem, Fr ID, Afr mx, vernaculars(Lobdell)
- 9705 S.AFRICA RSA 0010, //9695, DX pgm(Sellers)
- 9705 ETHIOPIA ETLF 1800-1855 Eng to S.AFR; rel svc(Berghammer)
- 9709v DENMARK RD drift here 0100 Danish; continuing summer sked(Berghammer)
- 9710 MALI Bamako w/Afr mx, Fr anmts, in 0630-0800 period; severe QRM 9710 Bonaire-Noord at times; believe new HP tx in use; also on 5995 occasionally(Padula)
- 9713v PERU R.Tropical 0030 Sp public event cmtry(Berghammer)
- 9715 NETH. R.Ned., 2130-2250 Eng to ENA //11730. QC ex 15425; Lopik also replaced Bonaire here & on 11730 0500-0620 Eng to WCNA(Berghammer)2233 Eng(Leger)
- 9715v BOLIVIA R.La Plata(tent.) 0045 Sp running cmtry, mention Altiplano(Berghammer)
- 9720 S.AFR. Springbok Radio //11935; 0620 Eng mx(Kolb)
- 9725 E.GERMANY RBI, NF 5 Sept; beginning Ger to NA 0415; may replace 9650(Padula)
- 9730 AUSTRALIA RA on NF 0645-0745 Eng to UK, //11710(Rowell, Berghammer, Padula)
- 9730 E.GERMANY RBI w/Eng to NA 0230(Morgenstern)
- 9735 NETH.ANT. TWR w/Ger to SA 1000; NF this svc, ex 6110(Padula)
- 9740 AUSTRALIA RA 1220-1245 cmtry, mx; Eng (T.Jones)
- 9745 AUSTRALIA ABC Domestic Svc 0710 Eng, //9610; QTH for 9745?(Rowell)
- 9745T IRAQ Baghdad w/Eng & local mx; 1930-1950(Martin)
- 9745 IRAQ Baghdad end Ger to Eur 2110, ID, anthem, IS, Fr 2111; app. test(Padula)
- 9745 TURKEY Ankara w/what seems to be new Eng svc late Aug, end mx 1942, into native mx(Padula)
- 9745 MEXICO R.Mex w/Eng/Sp special pgm; off 0710 after US & Mex. anthems(Rowell)

- 9755 USSR Nikolaievsk relay Moscow Eng 2225 w/tlk on Uzbek(Leger)
- 9765 W.GERMANY DW w/Eng to Asia, mx: 2100, mx, science pgm 2128(Watman)
- 9770 HAITI 4VEH s/on 1005 Sp, IDd as R.Capon, rel pgm to 1100, then pop mx, Eng & Fr (Shaw)Eng 1100, frequent anmts, mx: pgm(Leger)1200 at exc lvl(Jankowski)
- 9770 INDONESIA Djakarta w/mx: 1400, tlk by YL in lang(T.Jones)
- 9770 AUSTRIA OR 0225 Ger, mx; good w/"Sound of Music"(Rowell)
- 9800 RSKSR(Eur) Cf Sept. Moscow confirms as "via Kazan". Russ HS fair 0240(Sizer)
- 9833 HUNGARY Budapest w/mx: 0403(Gager)0410 sports, mailbag 0415 in Eng(T.Jones)
- 9840T N.VIETNAM V.of Viet.; 0404 lang & mx(Gager)
- 9870 CLANDESTINE-Cambodia. New stn in Cambodian 0612, seems communist-oriented; mx; off 0702. Nothing on 7399 this time; & never hrd a "Thini" which would signal an ID(Hauser)
- 9912 INDIA AIR 2155 local mx(Martin)2200 Eng; ancd Bombay, off 2230; ancd begins 1945(Shaw)Poor 2218 w/Indian mx(Burnell) (Heggs)
- 9913 OKINAWA WJNC 1550 in lang, Eng ID 1555; weak but clear(Murray)mx, ID, lang 1725/
- 9932-9940 INT.Waters. RNI pops 1500(Sloan)1930-2100 pops & ads(Watman)Pops & ads at: 2250 past 2300(Byers)0015(Lobdell)0613(Gager)0200 Shaw)2000-0000(Morganstern)0010 & 0525(Rowell)0200 & 0600(Jamison)2200 past 0300 & 0530(Behr)0035-0200(Wallin)
- 9970 BARBADOS R.Barbados irregularly w/mx: to 0600 s/off, Eng ID & anthem. Rptd as 9965 in July-my error(Behr)Thanks for correction(DF)
- 10040 N.VIETNAM Hanoi 1130 in lang w/seemingly new IS. Is this relay of new Cambodian clandestine?(Matthews)Hanoi in Eng 2300 on 10045(Martin)
- 10261m CHINA Peking HS 2255 w/classical Chinese opera, IS, Mandain ID. Had 5 pips, could mean SAM in Sinkiang & Tibet; have noticed several other HS outlets using pips which could equal GMT plus 6 hrs(Berghammer)
- 10530 KAZAKH SSR Alma Ata opens 0000 w/anthem or march, then mx, setting up exercises (Sizer) Fair 0004 w/mx by M&W(Koukol)
- 11652 E.PAKISTAN Dacca 1540 Pak. mx & dialect; good(Rowell)
- 11510 CLANDESTINE R.Port.Livre 2330 Port; often strong(Behr)Out of order, sorry(DF)
- 11762 W.PAKISTAN Karachi 2000 Eng tlk, eastern mx(T.Jones)S/on 0013 w/IS, Eng ID & TC by YL; Eng pgm, ancd 0460 but unhrd; to SEA(Shaw)
- 11700 CUBA RHC 0400 Sp to LA //11930, etc; NF, QC(Berghammer)
- 11705 SWEDEN R.Sweden w/Eng to SA w/mx: 2245(Byers)
- 11705 N.ZEALAND RNZ w/IS from 0850, to Australia, //9520(Shaw)
- 11710 SPAIN RNE 0415 Sp mx, ID 0425(Murray)
- 11710 AUSTRALIA RA s/on 0645 Eng to M.Pacific; good (Heggs)
- 11715 ALGERIA RTVA 1730 added tx for Fr net, flamenco guitar(Berghammer)Fr mx: 1905, //11835(Martin)2100 Fr to 0000 s/off, //11835(Behr)
- 11715 SWITZ SBC w/Eng ID, fqys 0127, then IS(Leger)
- 11720 MEXICO RM; 0130 Eng ID, Sp anmts(Jeeves)0145 Sp tlk(Burnett)0401-0422 mx, songs; Sp/Eng/Ger anmts(Handler)
- 11725 VATICAN VR 0030 Sp, Eng 0050-0105, Fr 0110(Heggs, T.Jones, Volle)
- 11725 PORTUGAL RFE after VR s/off 0125; pops, QRM(Burnell)
- 11730 NETH. R.Ned., Eng, mx: 2225(Kolb)
- 11735 ENGLAND BBC at 0009 w/Eng mx; QRM Vinnitsa; unlisted fqy(Sellers)
- 11745 ECUADOR HCJB ID & Eng rel pgm 0230, //9710, 15115(Volle)
- 11750 JAPAN FEN 0830 Eng ID, CBS mx: short(Berghammer)
- 11755 ARGENTINA R.El Mundo w/tango's, ID 2325(Martin)
- 11755 NETH.ANT. TWR 1000-1030 Ger to SA, QC ex: 11820, //11850(Berghammer)
- 11760 PHILIPPINES VOA w/local ID in Eng, then Eng mx; 1059 s/on(Lobdell)
- 11760 GREECE VOA-Thessaloniki 1918-1932 Eng mx, interview(T.Jones)
- 11770 INDONESIA Djakarta 1345-1415 mx, lang tlk(T.Jones)//9770?(DF)
- 11779v MOZAMBIQUE RCM 0445 Eng/Afrik. anmts, pops to S.Afr.(Berghammer)
- 11780 N.ZEALAND RNZ 0600-0845 Eng to S.Pac, //9540, QC ex 6080, mx: 0800(Berghammer) Eng 0600-0845, //9540(Rowell)0645-0700 variety mx:(Tuchscherer)Nb: 0825(Jamison)
- 11780 JAPAN NHK Sp to SA 1104; mx, Jap lesson in Sp; off 1130(Burnell)
- 11785 MONACO TWR Russ Sunday, late Aug 0600-0625*; NF ex 11820, mix DW to Afr(Padula)

- 11785 NETH.ANT. TWR test to S.AFR 0305 tune, into Zulu 0320(DF)Eng message from the founder 0315(Berg)0250 Eng & Zulu to S.Afr, ex 6035(Behr)
- 11785 W.GERMANY DW w/Eng to NA, Ger lang course 0530-0600 (Marshall)
- 11785 RWANDA DW w/Eng to Afr 1930(Bruce)
- 11790 DENMARK RD 0135-0215 Danish to NA, Eng ID 0215, then anthem(Rowell)0230 Danish tlk to NA(Heggs)
- 11790 NETH.ANT. TWR from 11795, begin Port to 0145, to 11785 for Eng(Padula)
- 11790 AUSTRALIA RA 1300-1315 Viet tlk, then Thai(T.Jones)
- 11793v INDONESIA RRI-Djakarta 2300 Indon. mx, Eng 2330, don't confuse RA-11790 also in Indon. same time(2230-0030)(Berghammer, Padula)S/on 1200, Arabic to NE(Shaw)
- 11795 W.GERMANY DW w/Arabic cmtry 0625, mix RBI Eng to Afr. NF ex 15320(Padula)
- 11795 BRAZIL R.Nac, Rio; 0043 futebol, IDs; QRM RNE 11800(Burnell)
- 11800 ITALY RIA Eng mx: 1935; good(Bruce)
- 11805 BRAZIL R.Globo fair 0150 w/Port anmts & semi-pop songs; ID 0200(Burnett)
- 11810 AUSTRALIA RA Eng mx: 1400(T.Jones)
- 11810 INDIA AIR 1330-1345 mx & cmtry, Indian mx:(T.Jones)
- 11825 TAHITI RT; Fr w/S.Sea mx: 0630 tune(Morganstern)0230-0300 Eng/Fr lesson(Heggs)
- 11830 UZBEK SSR R.Tashkent w/IS 1130, believe lang was Fr; QRM VOA-Poro(Shaw)
- 11830 PHILIPPINES R.Veritas 1100mx, Eng ID 1120, 1130 s/off(Kolb)Poro Veritas???(DF)
- 11835 HAITI 4VEH Eng rel pgm 1300-1330(T.Jones)2310 Eng rel pgm(Kolb)end Eng 0200
- 11835 CEYLON VOA s/on w/Eng ID 0100(Michalenka) (Jeeves)/
- 11835 URUGUAY R.El Espectador after 4VEH 0202*, till 0210 RP carrier on(Michalenka)
- 11840 AUSTRALIA RA 1845 pop mx: to mid-Pacific(Heggs)
- 11860 NORWAY RN fair 0405 w/Eng to ECNA; QRM RHC(Volle)
- 11857v IRAQ Baghdad, //7239 to 2325v s/off after Koran chant, don't confuse Saudi Arabia or Albania, nominally 11860(Berghammer)
- 11865 SWITZ SBC IS, Eng ID 0129, TC; QRM(Leger)
- 11865 CUBA RHC w/Eng 0355; mx, //9525, 11760(Volle)
- 11875 S.AFR. RSA Eng to NZ 1315(Reynolds)Eng to NA 2330(Banta)
- 11880 MEXICO XERH 0340 w/jingles, anmts, LA mx:(Heggs)0408-0458LA mx & readings from Don Quixote(Burnell)
- 11885 BRAZIL R.Maua, Rio; futebol at 0020, thru QRM(Sizer)
- 11885 W.PAKISTAN Karachi 0210 Urdu pgm, Eng ID & mx: to 0220, QRM(Haines)
- 11890 LEBANON RL, NF from 6 Sept, varies to 11889; 0130 Fr & mx, Eng 0230-0300 to NA. Classical mx; interviews, req.pgm(Behr, Gager, Heggs, Leger, Neely)
- 11890 ETHIOPIA ETLF 0530-0555 Eng to W.Afr, covered by unid carrier s/on 0535(Berghammer)
- 11890 PHILIPPINES FEBC w/mailbag 1200, Eng rel pgm 1215, ID 1230(Neely)
- 11900 S.AFR. RSA 0413 IS, ID 0415(Gager) Then what??(DF)
- 11900 UKRAINIAN SSR Moscow confirms as via Lvov; Eng to ECNA w/mx, cmtry 0150(Sizer)
- 11902v TUNISIA RTVT 1900 Arabic mx, clear of Moscow(Berghammer)
- 11905 PORTUGAL RTE relay DW 2200 Bulgarian, jammed(Behr)
- 11910 HUNGARY RB w/"DX" pgm 0102(Leger)Quotes mine(DF)Eng end 0130, then Sp(Leger) Begin Eng 0400(Volle)
- 11915 ECUADOR HCJB w/Eng to S.Pac. 0900 w/DX Partyline, //15115(Volle)
- 11920 IVORY COAST Abidjan w/Fr & good mx: 0730 t/i; few IDs(Shaw)2330-0000 Afr mx, Fr mx, s/off w/anthem; fair(Heggs)
- 11920 PHILIPPINES FEBC 1228-1252 mx: interlude, free offer(Wallin)Eng rel pgms 1330-1345(T.Jones)Mailbag 1330-1400; R.Magazine.(Marshall)
- 11925 UZBEK R.Tashkent at 1215; relay or from Tashkent?(Jankowski)Tashkent(DF)
- 11930T AUSTRALIA RA w/mx: 1915; heavy QRM(Potter)
- 11935 GREECE VOA-Thess. 1900 Eng mx:(Potter)
- 11935 PORTUGAL RP w/Eng to Afr 1820(Byers)Eng, pops to 0430*, //6020, 15125(Volle)
- 11940 LIBERIA ELWA 2000 Eng mx, off 2102; ex 11975(Behr)
- 11940 SINGAPORE RS 1130 Eng mx:(Fisher)mx: to 1535(Gager) Eng??(DF)
- 11945 CANADA CBC in QC ex 17855, //9625, 15190 at 2300-2330 Eng to Caribbean(Berghammer)
- 11950 BRAZIL R.Ministerio da Educacao w/Port cmtry 2250; ID as R.Ministerio(Sizer)
- 11950 SAUDI ARABIA Riyadh 0400 Arabic chanting(Berghammer)

- 11965 W.GERMANY DW s/on 0520 w/Arabic chants, ID say s from Cologne(T.Jones)
- 119700 UNID 0810 w/Hindustani mx, man sings w/chorus chiming in; some armts by XYL, Sig lost 0830, Nepal?(Schnabel)Dunno, but how you know she was an XYL?(DF)
- 11975 LIBERIA ELWA 1900 lang & Afr mx:(T.Jones)See 11940(DF)
- 11990 CZECH Prague Eng 0145 w/Monitor Club(Leger)
- 12000 AUSTRALIA VNG 0800 w/ID //7500(Burnett)Time sigs 0545-0615(T.Jones)
- 12020 RSFSR Moscow Eng 2015-2028* w/jazz, Russ 2030(T.Jones)
- 12027v UNID Clandestine, 1030 Viet, 1100 Mandarin; no dual found among many Peking, Hanoi & Liberation outlets I checked(Berghammer)
- 12141v CLANDESTINE R.España Indep. 2000-2310* in Sp daily(Behr)NF, 1830 ID, then pol. cmtry in Sp, not on 15505v or 17700. USSR likely QTH(Berghammer)
- 13519v N.KOREA on recent NF 0900-1000 Russ, sked //9540 unchoked(Berghammer)
- 14452v RYUKIU IS WJNC 1930 w/Korean pops; unusual time(Berghammer)
- 14483v CLANDESTINE R.España Indep. on recent NF 2030 w/Sp.Pol.tlk, jammed(Berghammer)
- 15000 ARGENTINA Time Stn LOL 2319-2334 w/voice ID by woman in Sp when WWV off(Dexter)
- 15004 RSFSR(As) RID, Irkutsk 2350-0001 w/CW ID & ticks,QRA?(Dexter)0629 code ID (Burnett)
- 15022mv N.VIETNAM Hanoi 2005 w/mx: by W, ID(Niblack)1300-1325 Viet mx, Eng tlk(Banta) Eng 1300(Neely)Eng mx: 2000(Bruce)end Eng 2030(Rippe)1300Eng(Morganstern, Wallin)
- 15060 CHINA Peking 0105 w/Eng mx; fair(Sellers)
- 15070 BBC 1605 Eng mx:(Sellers)2240 pgm on airlines(Banta)
- 15080 INDIA Bombay 1730 mx:(T.Jones)1902 Eng mx, Indian mx:(Scoville)
- 15080a CLANDESTINE R.Euzkadi 2134 Sp mx:(Banta)2125 s/on Eng mx: on 15085(Rippe)
- 15084 IRAN R.Iran beack here after 3 weeks on 15102; 1650 Persian, 9 Sept(Rowell)
- 15084A EGYPT Cairo w/multi-lingual ID 0042, Sp to CA(Shaw)0100 Sp(Reynolds)
- 15100 ETHIOPIA ETLF w/Eng ID; into lang 1530(Morganstern)
- 15100v IRAN R.Iran here 2000-2025 Eng to Eur(Berghammer)1530 Persian on 15102, Arabic 1830(Rowell)Eng 2000 Sunday(Morganstern)2028 TC, lang ID(Lobdell)Fr 1930, Eng 2000(Potter)Farsi 1620, ID 1630(Padula)1730 Russian, Eng 2000, mx:(Behr)
- 15105 JAPAN NHK w/Eng mx: & cmtry 1600-1615(Marshall)
- 15110 MEXICO XERR fair 0148 orch mx: & ads; QRM HCJB(Burnell)Sp mx, ads 2200(Morganstern) 2150-2200 Sp songs(Banta)
- 15120 FRANCE ORTF 2230 excellent in Fr(Reynolds)Details please(DF)
- 15125 PORTUGAL RP w/Eng mx: 0230-0245(Marshall)
- 15125 TAIWAN ECC 1545-1600 Mandarin talk(T.Jones)
- 15145 ETHIOPIA ETLF, NF ex: 15265 begin Fr 0445(Padula, Berghammer, Murray)
- 15145 BRAZIL R.Jornal do Comercio 0205-0229* w/Port, pops, lite mx:(T.Jones, Lemna)
- 15150 ITALY RAI 2230-0109 Italian to NA, NF //15340, etc(Berghammer) Also in Italian at 0140, since 6 Sept(Behr)
- 15150 SAUDI ARABIA w/ID 0510, Arabic mx; weak(Murray)
- 15155 LIBERIA ELWA 1730 Afr dialects, Eng ID; tlk & rel mx:(Murray)
- 15155 BRAZIL Former Rdif São Paulo now IDs as R.Tupi do São Paulo; 0330; 15370 empty (Berghammer)Sports 2200, Port(T.Jones) Niblack)
- 15160 TURKEY Ankara w/Eng mx, mailbag, strong 2200-2215(Bruce, Burnell, Byers, Banta, /
- 15160 AUSTRALIA RA w/Eng to Asia & Pac Is at 0550; lite mx, pgm summary, TC 0600(Murray)
- 15165 DENMARK RD w/Danish: 1334-1345* w/Eng ID(Fisher)Begin Danish 1400(Rippe, Byers) 1730 s/on(Morganstern, Loustau)1930-1935 s/off(Heggs)eng ID at 2200 s/on(Niblack)
- 15165 VATICAN VR end Sp 0046, begin Eng mx: 0050(Wallin, Watman)
- 15168 PHILIPPINES R.Veritas test Thai 2300 //11830(Padula)
- 15170 W.GERMANY RFE w/"5 station" pgm till 0200 Sunday. All pop mx, multi-lingual armts including Eng, Fr, Ger, E.Eur. langs(Berg)
- 15170 LIBERIA ELWA NF ex: 15095 2000-2100 Fr rel pgm to N.Afr(Berghammer)Arabic(?) tlk, mx: 2230(Fisher)
- 15175 ETHIOPIA ETLF on NF mid-Aug, Arabic sermon 0440, ex: 15400, gone 6 Sept(Padula)
- 15175 NORWAY RN w/"Norway This Week" in Eng Sunday 2200-2230*(Morganstern, T.Jones)
- 15180 ENGLAND BBC at 1830 after Finland s/off; mx: req.pgm(Marks)
- 15185 FINLAND OYA 1800 Eng interviews(Marks)Pops 1800, //11755, 9550(Bruce, Heggs)

- 15185 SEYCHELLES FEBA Victoria 0200 Eng ID, into sked Marathi to India(Berghammer)
15185 TURKMEN SSR Moscow confirms 1132 reception of Indon. as "via Ashkabad"(Sizer)
 To S.Asia in lang 1210 past 1300(Matthews)
 15188 BRAZIL R.Inconfidencia 2310-2330 pop US mx; ID 2330(Heggs)2250-2300 CBC s/on;
 ads, mx:(Nblack)S/off around 0000; Port mx pgm, ads(Berg)15185, from 0100 in
 Port since late Aug; R.Cultura or R.Inconfidencia on NF(Behr)
 15190 CANADA CBC IS, "World at 6" 2200; nice to hear from home(Calkin, in Europe)
 15205 ENGLAND VOA w/local ID, mx: 1200(Bruce)
 15210 NETH.ANT. R.Ned. 2130-2250 Dutch to SA, NF. Their rcvr was off fqy(Berghammer)
 15220 AUSTRALIA RA 2130-2230 Vietnamese replacing 1230 bdst(Berghammer)0500 s/on
 Fr to Afr/madagascar, //17820(Murray)
 15235 JAPAN NHK 0954 Eng mx & cmtry(Jamison)
 15245 CONGO(PR) Kinshasa 0225-0245 Afr mx; Fr tlk by YL(T.Jones)ORTF IS, Fr ID 0000;
 mx: by M&W(Shaw)
 15245 USA KGEI 0200 Eng lessons to LA(Bruns)
15250 ETHIOPIA ETLF s/off 0555 Arabic; ex 15400(Berghammer)
 15260 JAPAN FEN 0800 usual type pgm(Burnett)What's that??(DF)Eng 0830, tent.(Berghammer)
 15265 AFGHANISTAN Kabul w/Eng mx 1800; good(Bruce)SCLX says now9510 & 11790(DF)
15265 SEYCHELLES FEBA 1555 Indian lang rel pgm; fair(Rowell)
 15270 ETHIOPIA ETLF w/Eng children's rel pgm 1420; believe to S.Afr(Shaw) (T.Jones)
 15274a HAITI R.4VEH 1109 Eng rel pgm(Leger)S/off 0200, req.rpts(Heggs)1300 Eng rel pgm
 15275 POLAND Warsaw 0200 & 0300 to NA, Eng ID; into Polish(Jankowski)
 15275 W.GERMANY DW Eng to Afr 0615; QRM VOA 15270(Burnett)
15278v W.PAKISTAN RP Interwing Svc, Islamabad, ex 15380v; 0330* Urdu, anthem(Berghammer)
15280 N.ZEALAND RNZ 0315 cricket(Berghammer)0500-0545 Eng //9540; was on 15270 for a
 few days(Rowell)Mx: in National pgm 0500-0530(T.Jones)
 15280 MALAYSIA RM 0845 Eng; signal pops in & out(Berghammer)
15280 USA KGEI on NF ex: 15440; 0215 rel svc, sked 2230-0500(Berghammer)2300Eng ID,
 into Russian pgm(Heggs)
 15285 CEYLON VOA, Colombo 1801 w/"VOA Jazz Hour", ID, IS, off 1815(Lobdell)
15295 AUSTRALIA RA on NF, believe additional outlet, Eng 2230//17870, 17715, 15320,
 15160, 11840, all hrd & ancd; from 6 Sept(Padula)
 15295 FRANCE ORTF s/on Fr to Afr 1545, under QRM from 15300(Shaw)
15300 PHILIPPINES FEBC 2350 Thai, rel messages w/hymns; apparently a sked change,
 as listed for Thai 0030-0100; mid-Aug(Padula)
 15310 GUINEA Conakry 0630 w/native mx; good sig(Burnett)
 15315 PORTUGAL RP 0030 Port play to Brazil(T.Jones)
 15320 AUSTRALIA RA s/on 0100 Eng //17795, 21740(Reynolds)0230-0245 Eng mx(T.Jones)
15320a TANGIER VOA w/Eng ID 0345, Bulgarian pgm. New fqy?(Murray)
15335 BELGIUM RTB still here w/Eng 0050-0100, dropped 17715(Berghammer, Leger)Eng
 tlk 2305-2315(Bruce)
 15335 FRANCE ORTF 1900 Fr, //15160, 15120 from 22 Aug(Behr)
 15335 INDIA AIR Madras 1340 w/GOS, cmtry; weak(Jamison)
 15345 PHILIPPINES VOA Tinang 1405 Eng to SEA, mx:(Sellers)
 15345 KUWAIT RK 2030-2100 Eng mx: pgm(Marshall)Nx & pops 1830, good(Bruce)Eng pops
 past 1656(Burnell)1715 Eng mx: req. pgm(Scoville)1703 Eng tlks, mx:(Jamison)
 1830 Eng mx; mx, pops 1845(Neely)US/UK songs till mx & w: 1830(Jankowski)
 15365 CLANDESTINE? S/on 0200 w/anthem, ID as R.España Indep.Class.mx; Sp exile commies
 in Cuba??(Shaw)
 15365 NIGERIA R.Nigeria s/on w/IS 0545, Eng mx; cmtry 0600(Morganstern)0625 mx,
 discussion pgm 0630, Eng mx: 0700(Bruns)
 15370 PHILIPPINES FEBC special test to India, Eng ID0120 after Indian lang, off 0230
 Seems consistent late Aug/early Sept; still there 6 Sept(Padula)
 15380 RWANDA DW w/DX pgm in Ger/Eng 2201-2208(Leger)
 15390 ETHIOPIA ETLF w/m: 1335, cmtry, rel pgm 1345, all Eng(Neely)
15405 KUWAIT RK back here, s/on 1600(Kalkstein)1625 Eng ID, pop mx; ex 15345(Lobdell)
 Eng mx: by lady 0530, NF ex 17750, mixed Moscow Afr Svc; noted late Aug(Padula)
 15405 PORTUGAL DW Sines w/IS 1612, Bulgarian 1615, exc lvl(Padula)

- 15405 PORTUGAL DW Sines w/IS 1612, Bulgarian 1615, exc lvl(Padula)
- 15409 PHILIPPINES Veritas w/special tests s/on 2330 Eng ID, excd to Siberia; Russ to 2355 s/off. Tx unstable, varies 15405-15413(Padula)
- 15410 RWANDA DW w/Eng to 1245 s/off; poor(Bruce) Pgm??(Bruce)
- 15415 BRAZIL R.Cl. Ribeirão Preto 2130-2200 Port tlks, ads(T.Jones)pops 0230-0250, best hrd in many years; S.Polar path(Padula)2330-0010 US pops, ID, ads(Heggs)
- 15420 CYPRUS BBC 0250-0300 talk, interviews(T.Jones)
- 15420 PHILIPPINES SEARV strong 0230 new time; Eng rel pgm, to India(Berghammer)
- 15422 CHINA Peking on NF 0100-0200 Sp to LA, //15385 etc(Berghammer)
- 15425 AUSTRALIA Perth poor 0230 Eng news(Reynolds)
- 15432v IRAQ Baghdad here in NF w/Arabic mx 2200 to SA, //11785, sked 2100-2330(Berghammer)
- 15435 ECUADOR HCJB 2000-2030 Ger to Eur, //17850; new fqy(Berghammer)
- 15435 TANZANIA RT s/on 1700 Eng mx; Port mx 1710; weak(Loustau)
- 15445 LIBERIA VOA 2002 Eng mx; good(Sellers)
- 17625 EGYPT Cairo 1600 w/V.of Arabs pgm, //17640; also on 17655 w/Afr pgm & on 17670 w/Arabic main pgm, all strong from 1600(Behr)
- 17655 EGYPT Cairo w/Arabic by Radio for Eng listeners 1730(Morganstern)1825 Arabic by Radio(Bruce)
- 17705 BELGIUM RTB 1800 Flemish ID, also 2115-2200 under VOA(Behr)
- 17705 INDIA AIR GCS 0100 Eng mx to NEA after VOA s/off (Berghammer)
- 17714v LEBANON RB 2300-0100 Port, Arabic, Sp to LA; ex 17745; NF(Berghammer)
- 17715 BELGIUM RTB w/Eng 2300, jazz(Morganstern)2315 Eng, into lang(Kolb, Bruns)
- 17720 USA WINB w/Eng 1730-1800 w/Eng rel pgm, songs; mx from America(Marshall)
- 17725 BRAZIL R.Univ., ZYR232; full QTH, req.rpts in Eng anmts; pops, still going 0205 (Nblack)Req. rpts ever y 15 minutes, in Eng(0215(Sloan))
- 17730 FRANCE ORTF 1500-1520 Fr mx, Eng mx/wx, then Fr mx(T.Jones)
- 17745v AFGHANISTAN Kabul w/Ger 1730, Eng 1830(Berghammer, Jamison)SCDX says now 9510 & 11790(DF)
- 17750 SPAIN R.Liberty 2000 Ukrainian, also on 17760 in Azerbaijani, 17895 in Russian same time(Behr)
- 17770 N.ZEALAND RNZ 0300 Eng; classical mx(Reynolds)0527 Eng rel pgm, off 0546(Murray)
- 17780 INDIA AIR w/slow speed Eng mx, usually covered by jamming for RL(Padula)
- 17790 REFSR(As) Moscow says Eng to WCNA 0415 is "via Komsomolsk-Amur; fair w/cmtry (Sizer)
- 17795 AUSTRALIA RA on NF ex 17740; Eng to NA 0100-0300, //21740(Rowell, Heggs, Padula)
- 17795 AUSTRIA Vienna on NF, opera 0835, Eng 0900 to S.Afr, ex 17855(Padula)
- 17795 NORWAY RN 1900-2030 Norwegian, probably to ECNA; QC(Berghammer)
- 17795 ITALY RAI 1400 Italian talks(T.Jones)
- 17800 W.GERMANY DW w/tourist tlk in Eng 0930(Sizer)Rwanda relay Ger to NA 2300-0110 (Rowell)Matthews notes this last tx is from Rwanda(see Sept)
- 17800 VATICAN VR 1935-1947* Eng rel pgm & cmtry(T.Jones)
- 17805 E.GERMANY REI 1830-1845 mx, cmtry to Afr in Eng(T.Jones)
- 17810 NERH. R.Ned.; Eng to ME/S.Asia Sunday 1400(Byers)
- 17820 TURKEY Ankara 1430-1445 Eng mx, talks(T.Jones)
- 17820 AUSTRALIA RA s/on 0500 Fr to Afr/Madagascar, //15220(Murray)Eng to Afr 0330 w/ID, mx(Byers)
- 17850 ECUADOR HCJB, recent NF, world mx in Sp 2100, app ex 17880(Padula)
- 17855 JAPAN NHL w/Eng mx 0610, poor(Martin)
- 17860 MALAYSIA BDC 0000-0030 WS relay to E.As. NF ex 17880(Berghammer)
- 17870 AUSTRALIA RA w/Eng tx 0130; mx by man(Wallin)
- 17870 GHANA R.Ghana 1445 Eng mx, //21545(Behr)
- 17880 PAJAN NHK Gen Svc 0530 s/off Japanese(Murray)
- 17935a W.PAKISTAN Karachi 1730-1830 Arabic(Rowell)
- 21460 ECUADOR HCJB 2100 Sp to Eur(Rowell)1320 Eng rel tlk(Sellers)
- 21470 ENGLAND BEC Eng interview 1324(Sellers)
- 21480 S.AFRICA RSA 1700-1750 Afrikaans(Rowell)Eng to Eur 1840(Byers)2000-2050 Eng to Afr/IE, //15250, replaces 1700 pgm(Berghammer, Byers, Leger)

- 21495 PORTUGAL RP has church bell IS Sunday vefore s/on Fr 1730(Byers) Fr to Afr 1730-1815(Rowell)
- 21505 ARMENIAN SSR Yerevan(list) is supposed relay site for Thai 1100; good(Sizer)
- 21520 SWITZ SBC 1330 Eng tlk(Sellers)
- 21540 W.GERMANY DW w/new Arabic pgm 1430-1510*, //17875(Behr)
- 21580 FRANCE ORTF 1750 Fr & mx: // 21620, 21645, 21675, all strong(Rowell)
- 21590 W.PAKISTAN Karachi from 1335 s/on to 1350 s/off w/Eng mx: to ME(Sellers)
- 21600 E.GERMANY RBI 1815 Fr s/on to Afr; fair(Sellers)
- 21610 CYPRUS BBC 1215 WS to ME/Afr, ex 21730(Berghammer)
- 21640 NETH.ANT. R.Ned., Eng 1830-1950* Sunday, 30 Aug was on 21645, now back on 21640(Behr)
- 21645 FRANCE CRTF w/Fr 1550 mx, variety talk show(Murray)
- 21655 NORWAY RN 1620 w/Norwegian/Eng talks, pops(Jamison)
- 21690 GRENADA WBS w/requests 2030(Bruce)Eng mx: to UK 2000(Berghammer)1950-2200* Eng & mx: to UK; sounds like 100kw! Pwr?(Behr)
- 21700 PORTUGAL RP 1715-2115 Port to Afr, fair(Rowell)
- 21740 AUSTRALIA RA w/Eng to NA 0100-0145 w/mx, mailbag, mx(Marshall)
- 26040 USA VOA-Gvl at 1715 in Eng(Rowell)

CREDITS

- | | | |
|--------------------------------------|-------------------------------|--------------------------------------|
| John Banta, NY, SX-110 | Danny Jamison, VA, SW4 | Al Reynolds, VA, SW4A |
| Ernest Behr, Ont. NC400 | Alan Jeeves, PA, S118 | Joe Rippe, OH, EC348J |
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| Steven Handler, IL, S-120A | Bill Murray, Miss., SB310 |Thanks to all tha above for |
| Glenn Hauser, THAILAND HQ-160 | Tom Neely, Mich, DX150 | excellent support. Is your name |
| | Al Niblack, Ind., SX100/HQ200 | there? If you have any DX tips |
| | Bob Padula, AUSTRALIA, CR100 | you have a <u>duty</u> to share them |
| | Carroll Patterson, GA, SX99 | with other members!! |
| Dick Heggs, B.C., SB310/GR54 | David Potter, FL, S40B | |

Bill Berghammer has highly recommended the TBL-1 Frequency Marker from LAB-1. It gives markers at 100, 50, 25, 10, 5 kHz. Available from THE RADIO SHOP, 48 Elm Street, New Canaan, Conn., 06840, for 29.95, less crystal & battery. cheaper in kit form. Suggest those interested write to the above address for more details.....

Another rather long section this month due mainly to the large number of frequency and schedule changes noted by a few reporters after the 6 September official change date. Undoubtedly there will be even more changes in November. Watch for them & then let us know about them.

The low freq bands continue to improve slowly, but nothing much of interest noted here in Fla.....Note that Bill Berghammer has heard some of the Asian stations first noted by Glenn Hauser in Thailand....Note just in from Don Jensen says LV de Galápagos has been definitely identified as the station hrd on 6255. This seemingly is the station first reported in the July LOG REPORT on 6257 kHz. Do not confuse with Peru on 6250.

FLASHSHEET

Last Minit News/Tips



FLASHSHEET

Last Minit News/Tips

A.R.NIBLACK-EDITOR, 420 SHELBY ST., VINCENNES, IND. 47591

DEADLINE 23RD OF MONTH

.....
AUSTRALIA RA, 17795, replaces 17740, to N.A., 0100-0300, parallel with 21740, 15320, 6 Sept. onwards; 9730 replaces 9560 to Britain-Asia, 0645-0915, 6 Sept. 5995 replaces 7205 to Pacific-Asia, 0830-1215, 6 Sept., all English. (August Balbi, Calif)...RA in North American evening svc 0100-0300, has replaced 17740 by 17795 at my suggestion. Excellent as far east as New Jersey. 21740(excellent) and 15320(inaudible) in parallel. (Richard E. Wood, Louisiana)

AZORES 4865 CSA67, Ponta Delgada, heard well past few evening, 2130-2300 S/off. YL has quality music prgms and soap opera till "A Portuguesa" S/off. (Ed Shaw, Va.)

BOLIVIA "La Cruz del Sur", on new 4875, at 1000 in Indian language. How long has this one been there?? (Bob Padula, Australia)...La Cruz del Sur noted with good signals on 4875, a move, when logged in England in August. (Richard E. Wood)

BRAZIL R. Relogio, 4905, well hrd at 2330 with pops, Coca Cola cms. Gives time every single minute, even right in the middle of a song. (Ed Shaw)

CEYLON Colombo, 15120, with ID and bongo music, 1625. (Bill Whitacre, Mich.)

CHINA(TIBET) (FLASH) Judging from JSWC reports my previous report on 4035 was in fact Lhasa, also. Heard here also at 1430, 5935, with CJKT prgm of revolutionary items; 1500 TS, Mx, into presumably Tibetan. (Glenn Hauser, Thailand) (Congrats, Glenn, now figure how to get a QSL out of this one; there has been fragmentary reports of this one down through the years, but seldom an authentic report noted, Editor)

CONGO(R) R. Brazzaville, 15190, ID in French & English, 2015, gud sigs(Bill Whitacre)

DENMARK 15165 OZE7, IS at 1328;1330 S/on, in English into language to Greenland(Grady

ETHIOPIA 11795 ENLE S/on 0250 in English & French, good(August Balbi) / (Ferguson, N.C.)

...ENLE, 15400, news at 1336, ID at 1345, with good signal. (Bill Whitacre)

GALAPAGOS IS(ECUADOR) (SUPER FLASH) 6254 La Voz de Galapagos w/definite ID by M, 0359 S/off; "Isla Cristobal" also heard. Prgm of traditional Spanish orchestral music at 0350A. NO doubt about the identity. (Del Hirst, Texas)...La Voz de Galapagos definitely logged on 6254A around 0200 till 0400A S/off. Native music, rather frequent IDs by M. Reasonably good signals. Don Jensen further observes that all earlier comments re the unlikelihood of it(Galapagos) being on 6175(because of Fr. Uria's statements) at a time fully 1 1/2 hours before scheduled S/on, stand in further support. (Don Jensen, Wisc.)

...6254 Clean IDs for L. Voz de Galapagos, 0300-0400, being heard tonight. No doubt now!! (Gerry Dexter, Wisc.)...This one, L. Voz de Galapagos, heard at 0308 with a sure ID, repeated 0330. Prgming of light music, ID by M, on 6255. (George Fisher, Colo.)

...L. Voz de Galapagos ID heard at 0400 S/off on 6255 tonight. Final 15 minutes clear. ID at start of closing annct, "San Cristobal L/V de Galapagos" (Bill Sparks, Calif.)

...Jim Young, Calif, phones long distance at the deadline to report that L. Voz de Galapagos heard on 6255, ID at 0347, S/off at 0400 with Anthem, no doubt about it. (Yes, Virginia, there is a Galapagos Island outlet. The station has just come forward, Editor)

GHANA 17870 R. Ghana, Accra, on new fgy at 1445 tuning, English. (Ed Shaw, Va.)

GERMANY(W) RFE hrd well 0000-0100-parallels 7295, 7245, 7190, 7115, & 7165. (Ed Shaw)

HAWAII 4VEH, 15271, at 1330 with ID and religious prgm, good signal. (Bill Whitacre)

INDIA AIR, 15235, with ID, news and commentary at 0100 S/on, with a very good signal, no strain, no pain. (Bill Whitacre)

INDONESIA 11792 RRI heard 0900-0930 S/off, English, 5 Sept; back on 11770, 13 Sept. ID as, "Voice of Indonesia, Djakarta", fair lvl. (August Balbi)

ITALY RAI, Rome, noted on new 15150, beginning Italian to NA at 2230, after "birds". Parallel 15340. Apparently replaces 15410 and 15230, not heard 12 Sept. (Bob Padula)

OCTOBER 1970

NASWA - FRENCH

FLASHSHEET

KUWAIT R. Kuwait, 15345, 2036-2100 S/off, with continuous music, ID, gud (Bill Whitacre)
LEBANON Noted on 11890 from 11925, Beirut, to N.A, 0130-0400, clear fqy (August Balbi)
MALI Radio Mali, Bamako, heard with strong sigs on 9710 in parallel with 5995, at 2200, with native music. French ID 2259, S/off 2304A. New fqy. (Craig Koukol, Ill.)
NORWAY Oslo on 21730, 9550, and 9645, 0500 S/on. Is a new service. (Bob Padula)
NETH ANTILLES 11785 TWR noted with test xmission at 2155A, asking for reports. (Kim
NEW ZEALAND RNZ using 11780 replacing 6080, in parallel with 9540, 0600 (Bobker, Mich.)
0845, strong lvl with news 0715, 6 Sept. (August Balbi)
PERU R. Apurimac heard from 1028 in Spanish prgning, many IDs. (Kris Lemma, Ind.) (4830)
SEYCHELLES 15185 FEBA noted 0310 with DJ show. ID at 0330 followed. (Glenn Hauser)
SOLOMON IS (FLASH) 7235 This one S/on at 0700 on this new fqy, ID at 0800 as "SIBS", then local news. This since 3 Sept. NOTE: 7115 reported as SIBS is in error, it is actually is ABC testing, though not listed by R. Australia. (August Balbi)
SO AFRICA Take a look at last month's listing for So. Africa, R. RSA. This is not true. Only 5980 has been replaced by 11875! 9695, 9705 are still in use as of 6 Sept., in transmissions to N. A. Latter two fqys still stand. (Bob Peritz, N. Y.)
TAIWAN VORC, 0200 on 17720, ID and fqys, fair to good signal. (Bill Whitacre)
USA KGEI noted back on 11955, 12 Sept., 0500; a change from 15280, 15440. (Bob Padula)
VATICAN Back on 11875, opening 2300 in Portuguese, moved from 11860. Good level here, though fqy used by SABC as from 2330-0320. (Bob Padula)... Vatican Radio to N.A., 0030-0125, in Spanish, English, French, on 9615, 11725, 7 Sept. (August Balbi)
VIETNAM(N) 15024M Hanoi heard 9 Sept., in English when tuned at 1320 with W at the mike; at 1325 annod for, "Democratic Republic of Vietnam", S/off. (Grady Ferguson)... Hanoi xmitter, 10040, noted at 1127 with ID in Chinese; also noted at 1133 relaying a station in Cambodian. At 1200 definite ID without Hanoi ID as, "The English prgm of R. Pongyang", except they (Hanoi) could not find it till 1205! (Glenn Hauser)... Observed Hanoi on 15020, 1300 with Moscow music, then two local IDs, and fqy quotes. (Bill
YEMEN R. Sanaa has returned to 5804, 0305, native. (Kris Lemma, Ind.) / (Whitacre, Mich.)
YUGOSLOVIA R. Belgrade, 9620, 2200 ID, fqy and news, English, good. (Bill Whitacre)
ZAMBIA 3346 General Svc of R. Zambia is again audible, with some American rock music, many cms, and TCs. Poor signal 0415-0445 fade out, heavy QRM. (Tom Neely, Mich.)
CLANDESTINE "WJMS", or, "The Voice of the Purple Pumpkin" heard at 1520 on 7320, with pops, and revolutionary amcts. Signal weak but comes up to good lvl sometimes. Still on the air at 1630, 19 Sept. (Kevin Kleman, Wisc.)... Previously noted 16 Sept., a station giving call of, "WBHH", 7325, at 2145. Prgning consisted mostly of folk rock music, two teenage M annors. Good signal. S/off 2205 abruptly w short amct. (Kevin Kleman)
...GAMBODIA 10080 Supposedly Sihanouk's exile station, likely in China. Music 1129; ID by M&W in Cambodian 1130, giving xmission sked. (Glenn Hauser)
HARMONICS CHINA 1980(2X990) CJKT prgm with Chinese opera, 1822. (Glenn Hauser)...
THAILAND 2780 Apparent harmonic, second one of 1390, but not heard on the fundamental; music variety 1615, 9 Sept. (Glenn Hauser)
FM LOGGINGS KOREA(S) KBS FM Links noted on several fqys in early Sept. 44300 best; also 44890, 45885, 47500, and 49300. (Glenn Hauser)
AUGUST 1970: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY- 1-77, 2-68, 3-64, 4-59, 5-65, 6-68, 7-72, 8-82, 9-76, 10-71, 11-75, 12-73, 13-92, 14-94, 15-108, 16-100, 17-99, 18-108, 19-113, 20-117, 21-117, 22-108, 23-101, 24-116, 25-106, 26-114, 27-91, 28-101, 29-114, 30-120, 31-111 MEAN--92.9
PREDICTED: SEPT-95 OCT-93 NOV-91 DEC-89 JAN-87 FEB-85 (Grady Ferguson)
ACKNOWLEDGEMENT: Our sincere thanks to all those who contributed this time. A special thanks to August Balbi and Grady Ferguson who have supported every issue of the Flashsheet since I have become editor.

This bulletin will be as good as you make it. Did you see your name in here as a reporter?

I do have available some pictures of the shack here, and your's truly. To all those that I owe pixs to, if you would be good enough to write with a request, I will be glad to send you one. The picture is current.

Please keep shootin' in the reports. Last minute items may be phoned to 882-3976, after 2100 GMT. Happy hunting as the DX Season comes in and 73,