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NORTH AMERICAN SHORTWAVE ASSOCIATION

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NOVEMBER 1969

VOLUME 8 NO. 11

NASWA HEADQUARTERS

POST OFFICE BOX 989

ALTOONA, PA. 16603 USA

GIVING THANKS

We in the states this month celebrate a day of "bountiful harvest"...Thanksgiving!!! It is a holiday filled with pleasure from "table full". A day when relatives and perhaps friends from afar oft times gather together in a common home to enjoy best foods and to recollect old memories. It is a good day, one for giving thanks.

We brothers in hobby though, in states or worldwide, should not set aside just one day for being thankful. Our blessings are many, our harvest bountiful; Far too numerous for just one days thankfulness. Surely the pleasures we find and the friends we make through our hobby/club efforts are worth threefold thanks and more. So let us stop for a moment, think, count our blessings and give thanks, We be all the better doing. Let us join together, both in heart and mind, no matter the club(s) we belong to or the type(s) of listening we prefer. Let us join together thankfully as common friends. Cast out the criticisms and belittlenesses, let to enter in the compliments and the commendations. Give to the art of understanding and thankfulness. Find ourselves being recipient of same in return. Learn the meaning of being thanked, yet moreso of giving thanks. Let us resolve to help one another, share with one another, give happiness and pleasure through cooperation and friendship. Let us work side by side, each doing our part as best we can, not for ourselves alone, but for the overall combined. B.E.

"Give me the power of a mighty oak - To withstand in youth the mistreatment of mankind - To stand erect and proud against the trials and misfortunes of life - To be brave and stronghearted when the icy fingers of age creep into my body - To spread out my arms in welcome to all. And each day, as each season, change myself into a better person; Better than the day before. And whether in summer heat or in winter cold - Stand above the everyday petty spite and jealousy of all - And when in time it be willed that I must leave, Let me then deserve to hear my friends say "A mighty tree has fallen."

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NEXT MONTH: Our annual "Holiday Edition" is due. It is hoped that all our regular reporters will be on hand, and that a host of others who may have been lax in past, will find time to take part. Remember to submit reports, articles, etc., early so as to allow editors meeting deadlines. Take a few moments of time, "gift" your fellow-members and friends by cooperating and helping to make Happy Holiday via FrenDx. Tx!

WELCOME NEW MEMBERS!

Ronald Hodgkin, St. John, New Brunswick. AGS #38. Via Radio TV Experimenter magazine.
 Michael Swanson, Baraboo, Wisconsin. Hammarlund HQ145. Via PE Comm. Handbook.
 Angelo Coppola, Naples, Italy. Homebrew. Via World Radio TV Handbook.
 Ronald Bruns, Ferguson, Missouri. Aiwa 158. Via American SWL Club.
 Robert LaRose, Jr., Rochester, N.Y. Hallicrafters SX117/S107. Via American SWL Club.
 Elbert West, Sunnyvale, California. Realistic DX150. Via ANARC.
 Werner Selby, Los Angeles, California. Zenith Transoceanic 3000. Via WRTH.
 David Williams, Astoria, Oregon. Collins 75S. Via PE Communications Handbook.
 Heaton Randall, Seattle, Washington. Drake SW4A. Via member Richard E. Wood.

RENEWALS

Second year; Joe Bunta, Maurice McCoy, Don Brown, Harrison Randall, Dennis Driesoll, Norman Starr, Al Friedman, John Schlitt, William Murphy. Third year; Robert Moser, Tom Williamson, John Sgrulletta, Robert Thomas, David Baltimore, Geo. Schnabel. Sixth year; Donald Jensen, Sam Rowell, Tony Jinkinson.

(NOTE: Those joining or renewing after the 20th of month will be listed next month.)

UPCOMING CONTEST

George Schnabel, our Contest Chairman, informs us that "Winter DX Competition" will be announced in next edition of our bulletin. Full/complete info and data will be given at that time. All of you contest enthusiasts be alert. We are hoping for a large turnout. Prizes will be awarded.

INDONESIAN REPORT FORM

QSL Report editor, Gregg Calkin, advises that he has added Indonesian form which is now available to NASWA members. This is in addition to the previous Spanish, French and Portuguese forms. Members may obtain copies by sending 10¢ in coin or Canadian mint stamps to Gregg. Do not send U.S. stamps! See address in QSL Report. NASWA members overseas may send one IRC for each report form desired.

REP CHANGE

Del Hirst has been named to replace Bruno Colapietro as NASWA-ANARC Representative. He will act as our western rep and team with Gerry Dexter, central rep, Douglas Benson, eastern rep. Also, until later date, Gerry will be doing the monthly ANARC Report for us beginning this month.

FOR THE RECORD

Rod Harrington, member of NASWA, ASWLC, WNRG and BSA, has taken on a personal project/effort in contest form he calls "DX 70". It should be pointed out that although he will be using the NASWA country list as official score chart and will possibly be given publicity via Frendx, NASWA has no connection otherwise in any way whatever. "DX 70" is solely personal project of Rod and any prizes/stipulations mentioned/offered are his responsibility. Anyone wanting info on "DX 70" should contact Rod directly: 3181 South York St., Englewood, Colorado 80110.

PERSISTANCY PAYS!

Over two years ago, member George Schnabel sent a tape recorder as gift to his SWL friend B. L. Manohar in India. When it arrived it was first held up by Customs then by Postal Dept. Duties and fee's had to be paid, much "red tape" was involved. It wasn't until George wrote and received official assistance from his Congressman, who contacted Indian Consulate and other government offices, that positive action was taken. Finally, after over two years, the tape recorder was delivered to Manohar. (After talking with George on the phone recently, it is difficult to tell who is the happier, he or his Indian friend.)

The above ties in somewhat with the following quote sent us by member Mauri McCoy of Memphis, Tenn.

"I shall pass through this world but once. If, therefore, there be any kindness I can show or any good thing I can do for any fellow man, let me do it now; Let me not defer it nor neglect it, for I shall not pass this way again."

..Etienne de Grellet

THE HOW OF NOW

Go back a number of years to a farm located in the back-country of the "Keystone State", Pennsylvania, where news and pleasures were far more earthy than that of today; And where, although available, there was no electricity because it could not be afforded at the time. Consider an old, yet then new battery-powered table model radio with ECB and one SW band, a longwire antenna running east-west approximately 150' long. Take, if you will, a high school student in his junior year who occasionally, once his daily chores were over, escaping by "spinning the dials" and listening to distant stations.

Nothing was known to him about considering it a hobby and certainly he completely unaware any clubs existed or such as QSL's were to be had. He just simply found interest in hearing voices and music from afar places.

This then would be the baptism into the DXing hobby for one Bill Eddings. And even though after graduation, he entered the U.S. Army, served for three plus years during WWII as a member in a radio section for Special Forces Command (which even to this day is "hush-hush") he came home to it again in the mid-forties, still unaware of clubs, QSL's and such. Yet due his radio work, he now knew of amateur radio, and so he purchased a National NC-173. His interest still was simply listening.

The farm now had electricity, but in time and because of death in the family, it was not long until he had to move to the city, make home with relatives. Interest in radio now lagged and it was about eleven years before it returned. Still being uniformed about clubs, not really knowing of DXing as a hobby, he continued as a "loner" for another long stretch of time. Then, in 1960, he heard the SBS from Berne wherefrom was being broadcast a program of DX tips from clubs. Later there was similar heard via HCJB, then Radio Nederland, Radio Sweden; He wrote for info, sample bulletins and membership data; Then to clubs, to editors and even certain members. Before long he had quite a list of penpals and was introduced to cardswapping.

The first club he joined was the ASWLC, this was in the days when it was still under the editorship of its founder, Ken MacKneilage. A few months later he was named the cardswap editor for "SWL"...he called his column "Friendship Corner". All too soon it seemed, internal QRM began within ASWLC and Bill resigned his editorship. At about this same time he joined what was then a small and insignificant club known as NASA with headquarters in New York and under the leadership of Richard Roll. Again he was named cardswap editor and dubbed his column "Friendship Center". In 1961 Mr. Roll decided to quit the club and hobby...it was then that Bill took over reins. For a year or so NASA staggered and stumbled through hardships and problems as do most new clubs, but in time, and with the support of sincere members, plus others joining each month, and with the works of capable staff members, today there is NASWA.

INFO RE NASWA BOARD OF DIRECTORS 1970-72

The following members have been nominated as candidates for term of two years as our BOD. In upcoming bulletin, those accepting nomination will submit their platforms to be contained in these pages for all to read. At the same time, ballot forms will be sent to all eligible members for voting. Full details will be given then.

Gregg A. Calkin
Gerry L. Dexter (incumbant)
Roger Camire
Hank Michalenka
Dan Ferguson

Rod Williams
Robert Estand
Don Jensen (incumbant)
Edward Shaw
Del Hirst

Of these, if all accept candidacy, only three will be elected by majority vote of the NASWA membership. Those elected will serve as governing body along with Exec. Editor.

Exclusive

Exclusive

THE LOUDENBOOMER REPORT

This month, The Charlie Loudenboomer Research Society presents a combination trip into nostalgia, contest and warning to those would-be club organizers. The list following are those clubs we've been able to find record of and which have existed during the past few years and have now gone into the DX record books. Our condolences to any of those who, through some trick of fate, may actually still be in operation.

Universal DX Club, Calif.	American Jr. Radio League, N.J.
Assn. of Midwest SW Listeners, Ill.	New England DXers Alliance, Conn.
American Ionospheric Prop. Assn., Calif.	United 49'ers DX Club, Conn.
DX Unlimited SW Club, Wash.	United World DXers Club, N.Y.
Worldwide Monitors Radio Club, New York	Farmingdale SWL Club, N.Y.
Absecon DX Club, New Jersey	West Coast DX Club, British Col.
Blackhawk DX Club, No. Carolina	International SW Club, Mass.
Chelsea SW Monitors, New York	Club des Jeunes Operateurs, Quebec
DX Radio Club, New York	B & F Radio Club, Wisc.
DXers Radio Assn., Penna.	DeRidden DX Club, Louisiana
Folcroft Radio Club, Penna.	Macado DX Club, Calif.
Missouri SW Club, Missouri	
Morris DX Society, New Jersey	
Five Star DX Club, Calif.	
Freemont DX Club, Ohio	
Kentucky DXers Assn., Kentucky	
Midwest DX SW Radio Club, Ill.	
Ohio Valley SW Club, Indiana	
Knob Twisters, Iowa	
Santa Maria Valley DX Assn., Calif.	
American Central Radio Club, Indiana	
DX International Comm. Club, Mass.	
Natack SW Club, Mass.	
Canadian DX Club, Conn.	
Fircrest DX Club, Wash.	
Radio Passaic Int. DX Club, N.J.	
Wasatch DX Club, Utah	
Plainview DX Club, N.Y.	
Comm. Society of Williamsville, N.Y.	
Latin Brass Radio Club, Calif.	
Intercontinental DX Club, Ontario	
Fly by Night Comm. Club, N.Y.	
Northeast SWL Club, New Hamp.	

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Okay now, comes the contest part.

How many more clubs from the U.S. and Canada can you list that are now only distant memories? Only since 1955, please! Name th most and you win first prize...an all inclusive, do-it-yourself club founders kit. This includes a metal tray and a box of lemon jello to make your own hectograph duplicator; A mailing list of 250 names of SWL's with established reputations for joining every club that come down the pike; One hundred membership certificates; A series of pre-printed form letters to send to prospective members.

Lifetime membership of just 75¢ entitles you to our full color, hard-cover bulletins 365 times per year. Join now!

(A note to our present members; Whats the matter with you? Nobody is sending in any reports. If you wonder why we have only had one bulletin out this year, thats why!)

...Charlie Loudenboomer

Late Release

Late Release

RADIO DENMARK SHORTWAVE LEAVING AIR

AT the Meeting of October 17, 1969, the Danish Radio Council confirmed a suggestion by Director General, Mr. Hans Solvhoj, that in order to save DKr. 345,000 in the 1970-71 budget, the International Service of programs in English and Spanish should hence be dropped as of April 1, 1970."

This announcement was made in the week when Radio Denmark could celebrate its 25th anniversary. One of the arguments was that very few people listen to Radio Denmark's International Service, although the fact is that it has received some 3000 letters from listeners abroad within the last six months.

The Danish language programs serving Danes abroad and sailors will not be affected.

With this decree of the Radio Council there is little hope that Radio Denmark SW will ever broadcast internationally again, thus becoming very difficult to hear/report to for DXers who are not familiar with the Danish language. However, a strong reaction from listeners may have effect as it had for Radio Canada and Radio Sweden in similar situations. We hope you will join with us in our common protest to Radio Denmark by writing your personal letter directly to the Director General himself, and not to the Shortwave Department.

Obviously the Director General is not aware that Shortwave radio is one of the best means of spreading information on the life of a nation, a fact that all DXers agree on. If you are a regular listener to Radio Denmark SW, you must also mention this and further state that you have received much interesting/informative data about Denmark in this way, and that you urge the Director General to review his suggestion again. Request that the programs in English and Spanish be continued via International SW.

Send your letters of protest/request to;

Mr. Hans Solvhoj, Director General
Radio Denmark, Rosenornalle 22
Copenhagen 5V, Denmark 1970

(Any member receiving reply is requested to inform NASWA Hdqs and possibly send along the letter received. It will be returned to you.)
via ANARC NewsLetter,
Alan H. Roth, NASWA member
American Representative, DSWCI

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NEW PUBLICATION

Richard E. Wood, NASWA member and former SWC editor, has written a book "Shortwave Voices of the World" which will be published by Gilfer Associates and to be released in mid-November. Our knowing Richards' knowledge and experience in shortwave DX, we are sure the book will be interesting. Price per copy has not yet been set, but we will give this and added info when it is released. Or, members wishing data may write to Gilfer Associates, P.O. Box 239, Park Ridge, N.J. 07656.

QUESTION!!!!?

Has any member either heard or received a QSL from any station of the Pan American Broadcasting Company? It claims to have stations in Chicago, Los Angeles, London, Bogota, Bombay, Buenos Aires, Hong Kong, Johnnesburg, Panama City, Sydney and Taiwan; Majority of which broadcast on shortwave. We are efforting to find out the frequencies of these station, on SW, and also learn what languages and skeds are used. Any assistance members can give will be appreciated. Send to Hdqs. Tnx!

NASWA ANARC REPORT FOR NOVEMBER, 1969

News from ANARC Headquarters is a bit on the slight side this month, with only a few of the ANARC representatives bearing the burden of the work.

Some progress has been made on the DX Museum Project, and with some luck, a definite site selection may be made this spring. In the meantime, The Smithsonian Institution in Washington, D.C. has expressed a desire to have about 100 QSL cards for a display. These would represent a cross-section of BCB, TV and SWBC, with, presumably FM, utility etc., as well. The Smithsonian would also prefer some representation of QSL's from the 1920's and 1930's. DX'ers who may have such QSLs and would be interested in contributing them to the Smithsonian, are asked to send a list of the QSLs fitting this description to Gerry Dexter, ANARC DX Museum Committee, Rt. 1, Maple Rd., Lake Geneva, Wisconsin, 53147. Do not send the QSLs. If enough interest is shown in the project, you will be contacted about the procedure for getting the material to the Smithsonian.

ANARC has a classified ad in the latest issue of Electronics Illustrated. Some 20 replies, seeking information on ANARC clubs have been received during the first two weeks.

Results are still being received by the DX Census Committee, with the total now at about 375. Chairman Phil Sullivan (152 3rd St., Leominster, Mass) would like some help on computer card punching for the census. If you're qualified in this area, please drop Phil a line!

Feelers are out for a site and host for the 1970 ANARC Convention. Executive Secretary Gray Scrimgeour feels that SW DX'ers just don't have much interest in conventions (based on poor attendance in the past). Since both BCB clubs as well as WTFDA have conventions, it might be wiser to attempt to arrange the ANARC Convention at the same time and place as one of the other conventions next year. Gray feels that, ideally, several ANARC DX'ers might plan the ANARC section of the convention along with some joint programs and some individual meetings. At any rate, Scrimgeour wants to know whether (1) a 1970 ANARC Convention should be held, (2) is there a club that would like to hold a joint convention with ANARC and (3) Are there any bids for hosting an ANARC Convention.

In other items...the ANARC Abbreviations list is still coming along and is now reported about three-quarters printed..should be ready soon! Scrimgeour also requests a volunteer to re-commence and re-organize the QSL committee. How about a NASWA Volunteer?

NASWA Executive Editor Bill Eddings has announced the appointment of former loggings editor Del Hirst as a NASWA ANARC Rep, replacing Bruno Colapietro.

Finally this oft-repeated, but very important reminder that your NASWA ANARC Representatives are always pleased to hear from you with your ideas and suggestions concerning ANARC. Write the one nearest you:

Doug Benson, P.O. Box 131, Laconia, New Hampshire
Del Hirst, 202 Birch Street, Snyder, Texas
Gerry Dexter, Rt. 1, Maple Rd., Lake Geneva, Wisconsin



SHORTWAVE CENTER

SPECIAL FEATURES

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WILLIAM A. MATTHEWS-EDITOR
P. O. BOX 15306
COLUMBUS, OHIO 43215

Deadline 15th of Month

RADIO SAN MARINO

According to a recent Sweden Calling DXers program, the Government of the tiny Republic of San Marino (38 square miles) is considering the establishment of a commercial radio station. Before such a station can be established, it will be necessary to amend a treaty made in 1862 with Italy. The announcement did not indicate whether the station would operate on long, medium, or short waves. San Marino is situated within Italy and it is presumed that the antennas would be in Italy, like those of the Vatican Radio.

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RADIO ZAMBIA

Radio Zambia recently received a gift of two 50 Kilowatt transmitters for short wave broadcasts to Rhodesia and South Africa from Radio Peking. A 250 Kilowatt medium wave transmitter was given also. This item taken from a Radio Peking English broadcast.

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WWV SURVEY

Standard Frequency Station WWV is currently conducting a survey of its listeners in regard to the format which it uses. It is believed that this will involve the proposed change from morse code to voice announcements for the propagation forecasts. I urge all of you who use WWV or WWVH in your listening to participate. Send your request for a questionnaire to:

WWV - 1969
National Bureau of Standards
Boulder, Colorado 80302

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AFVN

Newsweek magazine reports that some of the American Forces Vietnam radio stations have been commandeered on occasions by troops in the field. Programming consists on acid rock and war news mixed with obscenities. Such pirate stations do not last too long, however.

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NEW DIRECTOR
VOICE OF AMERICA

Kenneth R. Giddens, president of WKRG-TV and owner of WKRG AM & FM in Mobile, Alabama, has been sworn in as the Director of the Voice of America. Giddens will head a service that employs some 2,300 people worldwide and has an annual budget of 35 million dollars. An estimated 43 million adult listeners around the world every week.

Giddens is past director of the National Association of Broadcasters and a member of that organization's international committee.

....from the Federal Times

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CONTEST TIME

Radio Berlin International is having a competition in conjunction with the 20th Anniversary of the German Democratic Republic. It deals with any kind of events relating to the Anniversary arranged by RBI Listener Clubs, friendship societies, or other institutions. Merely note the event, send in your entry and hope for good luck. All entries must be postmarked by November 15th. Prizes include a transistor radio, a camera, a slide projector, books, chess sets, and sports equipment.

.....from the RBI-Journal

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Do not forget Radio RSA's contest on the 15th and 16th of November. Tune in and participate!

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RADIO AFGANISTAN

In Afganistan, as in other developing countries according to the percentage of literacy, radio is a medium of mass communication more important than the printing press. Radio was imported and installed in Afganistan in 1925, about 25 years after its invention. In the meantime, two small radio transmitters were purchased and preliminary measures were taken to make them operative.

In 1928 one of these two transmitters was installed in Kabul and was operated successfully, while the other, destined for use in Kandahar, could not be used because of a lack of technical facilities.

Fully equipped studios did not exist in any of the Asian countries at that time. Despite this, the transmitter at Kabul had a power of 200 Watts and operated on 360 meters. This signals were audible as far as Kandahar. Soon after the installation of the transmitter, 30 radio receivers were distributed among the people (later increased to some 1000 sets).

Until 1963, the broadcasting institute was called "Radio Kabul", however, due to its increasing importance it was renamed "Radio Afganistan". In addition to the ordinary dissemination of news, Radio Afganistan enabled the people to hear special programs on the observances of public and national holidays. A system of using loudspeakers in public meeting places has brought Radio Afganistan to within the range of everyone in Afganistan.

RADIO AFGANISTAN

(continued)

In recent years, Afganistan suffered the havoc of internal revolution - Radio Afganistan was damaged in this period. Recovering and rebuilding, the Ministry of the Interior decided to purchase a 100 Kilowatt medium wave transmitter from the Federal Republic of Germany. In 1966, two new 100 Kilowatt transmitters were commissioned for medium and shortwave broadcasting. At that time, the German programming was resumed.

Currently, the external services of Radio Afganistan carry programs in English, German, Russian, Pashtu and Dari. Services in the domestic area are in Pashtu and Dari. Reports are welcomed at P.O. Box 544, Kabul, Afganistan. DXers know of Radio Afganistan's attractive QSL card and at the present time, the policy of verification is very good.

During the history of the station, great advances have been made. Radio Kabul operated with a 20 Kilowatt transmitter. During the Five-Year Plan of 1956-61, 20 and 50 Kilowatt transmitters for shortwave were added. The second stage of expansion (1962-1966) brought about considerable expansion of the technical department. The cost of this expansion was born by the national budget (20%) while the remainder was appropriated from credit granted by the Government of the Federal Republic of Germany. The new transmitters enabled Radio Afganistan to provide regular service to Europe, and the improvement of domestic reception. Also, the station's coverage area increased to cover North America and Australasia.

Currently, the focus is on expanding educational broadcasting services within the nation, for the Ministry of Information and Culture (the new Ministry under which Radio Afganistan operates) realizes the importance which radio can play in educating the masses. An increase in educational services will help to alleviate the defects of the teacher shortage.

The station's policy is clear, "Radio is a fundamental source of promulgation in the cause of education, imparting free knowledge of cultural and artistic services, and diffusion of international understanding and amity, through regular broadcast of news. The multitude number of the keen listeners in various provinces of our kingdom are evincing intense aspiration in knowing and obtaining special gesture about the social, economic, cultural, educational, and political situations of the nation."

Radio is a significant instrument of publicity, advertising, and propaganda in a country like Afganistan because the government's social policy is to bridge the gap between the living standard of the peasantry dwelling in rural areas and those who live in urbanised and modern cities in the nation. Radio plays a particular role in providing recreative and educative facilities for the remote and far flung regions, villages and mountainous districts of the country.

I wish to gratefully acknowledge the kind assistance of M. A. Akbary of the Public Relations Department of Radio Afganistan in the preparation of this article.

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Time magazine had an interesting picture of Radio TV Bandeirantes' studio building being burned by terrorist attacks. The station operates shortwave stations:

ZYR77 - 6185 - 10 Kilowatts

ZYR78 - 11925 - 10 Kilowatts

It is not known whether the station is currently off the air or not. Repeated monitorings by me have met with heavy interference on these frequencies.

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KNOW YOUR SHORTWAVE RECEIVER

by

Al Miblack

(Part II)

SENSITIVITY is the quality of a receiver to produce weak signals. Manufacturers say this is the easiest performance standard to meet. It is also the most important feature, for without sensitivity (and amplification) rare DX will not be heard. Noise is produced in the vacuum tubes of a receiver and to be an ideal DX instrument it may have a low noise "front end" (radio frequency stage). A dream receiver would generate no noise internally. The reception of a weak signal would be determined by the thermal noise in the antenna. In any receiver the internal noise level must be low enough to permit detection of a weak signal and its consequential amplification. If the noise level of the receiver overrides the incoming signal in the antenna, the signal will be masked and not heard.

Recent developments have placed in the hands of the radio design engineers the FET (Field Effect Transistor), which permits the design of an extremely low noise EF stage. Sensitivity figures as low as .5 microvolts (AM) for a 10 db signal/noise ratio are being quoted for receivers using FETs in the front end. For receivers using conventional tubes in the front end, the sensitivity quotes are in the vicinity of 1 microvolt (AM) for a 10 db signal/noise ratio.

A good receiver will actually hear the atmosphere and will produce weak signal DX, all that is available at your location and permitted by your local noise level. Keep in mind that the highest band on the receiver (in the range of 20 MHz. and above) will not produce much atmospheric noise as this noise is quite low in this part of the spectrum. Check each band of the receiver individually for even sensitivity, always peaking the Antenna Trimmer control as you tune. Now, disconnect the antenna and note the internal noise level of the receiver. Speaking of antennas, take note of your manufacturer's recommendations. If it is stated that the receiver is designed for operation with an antenna and transmission line impedance of from 50 to 600 ohms, then it is not necessary to be particular about the match. However, if the manufacturer states that the receiver will not accept a wide range of impedances but rather that it is built to match a 50 ohm impedance system, then it means just that. In this instance, the impedance match is critical and without the proper match the receiver will not operate efficiently.

The ability of a receiver to amplify the incoming signal above the inherent noise level of the receiver is known as the signal-to-noise ratio and is vital. Certain manufacturers cope with this better than others.

FLEXIBILITY

The number and functions of the controls on the front panel of a receiver determines the flexibility (the ability to make a signal readable under all conditions) of the unit. The Main Tuning, Bandspread Tuning, Sensitivity (RF Gain), Audio Gain: Power (Off/On) switch, Noise Limiter: Off/On switch, S-meter, Phone Jack, external speaker terminals, Crystal Calibrator: Off/On switch, and Receive/Standby switch are all rather well taken for granted in the compliment of the modern day shortwave receiver. Additional refinements will be discussed later in this article.

DETERMINING THE FREQUENCY

There was a day when the calibration of the dials of a shortwave receiver left much to be desired. Various methods were utilized for determining frequencies,

KNOW YOUR SHORTWAVE RECEIVER
(continued)

such as charts, a combination 100/10 KHz. signal standard, or a surplus Army Signal Corps Meter, the BC-221 Series (or the Navy version, the IM Frequency Meter).

Then came the direct reading dial shortwave receiver. Collins Radio produced a number of units, but the price tag was such that the prospective owner had to have a string of oil wells to afford one.

The arrival of a new breed of receivers came on the horizon and the R.L. Drake Company was one of the pioneers. Their receivers feature a solid state linear permeability tuned VFO for direct frequency read-out and covers the desired portions of the shortwave bands in 500 KHz increments with the proper crystals, though 5.0 to 6.0 MHz. is not recommended. Read-out accuracy is claimed to be within plus/minus 1 KHz. To achieve and maintain this figure, the receiver must be extremely stable. The Drake Company does this with their SW-4A in the \$ 300 class. A more advanced receiver is their R4-B.

OTHER CONTROLS

VARIABLE SELECTIVITY is a means of effectively combatting the crowded conditions that exist in the shortwave bands today. The Q-MULTIPLIER is an electronic device for increasing the selectivity of a receiver. It increases the "Q" of a coil in the IF amplifier stage, narrowing the "pass-band" to the point where it will accept and pass only a narrow band of frequencies. It has one drawback, it is regenerative and if the receiver is not stable it must be constantly retuned. It may have both a peaking and rejection notch. The T-NOTCH is a notch filter used in receivers having one IF stage of 50-100 KHz. It produces a method of reducing or eliminating heterodynes and provides a sharp tunable null. Using the T-Notch with steps of variable selectivity, for instance: 5, 3, 2, 1, and .5 KHz., it is possible to make a useless signal entirely readable. The CRYSTAL FILTER is effective for CW reception. It is comprised of a piece of ground quartz in a sharply tuned stage in a resonate circuit. By use of the Phasing Control a high degree of rejection is obtained at one desired frequency and rejecting the frequencies on either side. It is often employed with receivers having one IF stage of 455 KHz. NON-VARIABLE TYPES: Other types of filters are the Mechanical Filter, a favorite with Collins Radio... The device is non-variable and to obtain varying degrees of selectivity, filters of various values must be switched in and out of the circuit. It operates in the IF stage of a receiver and provides a pass-band having a very high degree of rejection. It is an electric-mechanical device. The BAND PASS FILTER (a quartz crystal lattice) passes a desired band of frequencies in the IF stage without much attenuation of the signal and rejects all other signals outside this band. It is not variable and has come into favor with the coming of SSB (Single Side Band). The ANTENNA TRIMMER control compensates for various types of antennas and is adjusted for maximum signal. It often means the difference between logging a weak station and missing it entirely. In some late model receivers, the RF stage control is known as the "Preselector" control. It is peaked from the front panel. The BAND SELECTOR switch is the backbone of every shortwave receiver. It must last simply thousands of operations and enables one to choose the desired frequency range in a general coverage shortwave receiver. It should be so sturdily built that the operator can tune in a station on one of the higher frequencies, switch to another band, then switch back to the original band, and the receiver will still be "on frequency", the station reappearing without resetting the tuning dial. This is an acid test of the control switch.

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The final portion (Part III) of Al Niblack's article will be in the December issue of the Short Wave Center. Look for it!

THE ART OF VERIFYING

by

Gregg A. Calkin

(Part II)

Make your report as specific as possible, including names of announcers, languages used, program titles, advertisements, word for word identifications, and so forth. If the program was transcribed, or pre-recorded, mention this. The vast majority of radio stations keep detailed logs of all daily transmissions. By informing the station of what you heard, your data can be compared with the station log, and your reception may be confirmed. It is therefore necessary to make reception reports of data as detailed as possible. It should be mentioned at this point that many stations do not keep a log of all musical selections played. Consequently, it is advisable not to place too heavy an emphasis on musical selections. They may, of course, be mentioned, but data on announcers names, program titles, identifications quoted word for word (here a tape recorder will come in handy) are more significant.

3. Details of Reception - Herein we return to our one pervading idea, that of assisting the station to know how their programs are being received. In this category two aspects of the reception are included. First, tell the station what was thought of the programs they broadcast. Enjoyable? Mediocre? Boring? Did they hold your interest? Be frank and honest in your comments. The station will appreciate them (either pro or con) as it will help them to improve their programming.

The second aspect is technical information on the quality of reception and the transmission in general. This is important as the station is desirous of knowing if its signals are getting through, how well, the quality, interference, etc.

In this category, include brief summations on the following points:

- A) Strength: Strength of the signal. This may often be determined best by an S-meter on your receiver (See Reporting Codes (h) below). If your receiver is not equipped with a S-meter, it is best to give a strength indication by comparing the received signals to those heard on previous days, and/or to those of other transmitters in the same geographical area as the received station. This will enable the broadcaster to know how they are "getting through" as compared to previous days, or to other broadcasters.
- B) Interference: Interference from other stations (QRM) is very common on the broadcasting bands which are fantastically overcrowded, as are the medium-wave and amateur bands. If there is interference from other stations, be sure to give the name of the interfering station(s) in your report, plus the frequency(ies). State how serious the interference was, and how badly it affected the received program. This information can be a great asset to a broadcasting station in particular.
- C) Atmospheric Interference: (QRN) - This "scourge of the DXer" can ruin many rare DX catches. Mention if static was abnormally high during the reception, if there was an electrical storm causing it, if you live next door to a neon sign factory, and so on. Remember that static levels (particularly on the lower bands) increase greatly during the summer periods.
- D) Closely allied with C) is a general assessment of Conditions. Do not give nebulous judgements such as "good", "poor", or "bad". This means nothing to the station's staff. Instead, state why reception conditions are, as they are. What is different in reception from other days. Are there solar storms? Is there a lack of stations from the same part of the world on the bands? An abundance? Was the band in a position of opening or perhaps closing to that sector of the world?

THE ART OF VERIFYING
(continued)

- E) Fading: Did the signal's strength remain constant? Was there fading in and out of the signal so that the strength of the signal was not constant? If so, was it a fast or a slow fade? Fading is a propagational effect, and in most cases, if serious enough, can be corrected by a change in frequency to a different band. But, first of all, the station has to know about it.
- F) Modulation/Signal Quality: An assessment of the modulation and general quality of the received signal is useful to a station. Some stations have used defective audio equipment and never realized it until an enterprising DXer informed them of it. Distortion in the voices, poor musical reproduction, under (or over) modulated signals can all be noted by the astute DXer and reported.
- G) General: Any other details regarding the reception which the DXer feels are pertinent may be included after the above basics. For example, did the station's frequency drift (i.e., not remain on one constant frequency)? Be careful in assessing this aspect of reception, however, as many receivers also drift. It is important not to confuse the two. Receiver drift is minimized after an initial warmup period of an hour or so. Even then, receiver drift is still possible in less-expensive receivers. Another point that could be mentioned is, did the signal "cut out" (intermittent breaks in transmission) from time to time? A few Middle East stations have been known to do this rather regularly.
- H) Reporting Codes: Finally, a brief word regarding reporting codes. These codes are numerical evaluations of a station's received signal, simply expressed. Their one disadvantage is that they are generally inadequate as far as expressing detailed information. The most common mode is the S-meter reading. Many communications receivers are equipped with S-meters. They are calibrated in S-Units, from 1 to 9 and beyond S9 reading in decibels (db), up to 60. The S-Meter reading is a reading of the signal's strength. For example, S9 + 60 db is a phenomenally strong signal, while S1 is unreadable. This S reading is generally understood by most stations, but should be used ONLY as supplementary strength reading to your own comments (See A) above).

A second reporting code which has become popular in recent years is the SINPO code. In fact, some stations (Radio Canada, Radio Japan-IHK, NBC/Nigeria, and Deutsche Welle) specifically request reports in this code. Originally developed by Deutsche Welle, in Cologne, West Germany, the code designates five separate readings from 1 to 5 each, for each letter of SINPO. S stands for strength; I for man-made interference; N for Noise or Static; P is for propagation disturbances including fading and flutter (caused by trans-polar reception); and O for Overall rating - a summation of the received signal as indicated by the previous four readings. These readings are based upon the individual interpretations of the DXer and therefore, the DXer would be wise to set up specific standards for himself in this regard.

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Part III of the Art of Verifying will appear in the December/Holiday Edition of FRENDX. Just in time for those "New Year" reception reports!

Also in the December issue of the Short Wave Center...a visit to Radio Portugal:

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*** URGENT ***

RADIO DENMARK

*** URGENT ***

TO DISCONTINUE ENGLISH PROGRAMS ON SW

I have just received word from the Danish Shortwave Club International (DSWCI) that Radio Denmark is being forced to drop all of its foreign language programming. While Denmark is not a super-powered station, such a cut will be a loss to SWIs and DXers everywhere. I urge you to read the text of the message below then take ACTION by writing to Mr. Sølvsbøj, as indicated. We have only this one chance to save Denmark's position in the world of shortwave radio. Do not let yourselves - or your hobby - down. Take the time and WRITE!

WAMatthews

DSWCI

On its meeting October 7, 1969, the Danish Radio Council confirmed a suggestion from the Director General, M. Hans Sølvsbøj, that in order to save 345,000 Danish Kroner on the 1970-71 budget, the international programs in English and Spanish should be dropped. This will be effective from April 1, 1970. This announcement was made in the week where Radio Denmark Shortwave could celebrate its 21st anniversary. One of the arguments was that very few people listen to Radio Denmark's International Service, although the fact is that it has received some 3,000 letters from listeners abroad within the last six months. The Danish language programmes serving Danes abroad and Danish Sailors will not be affected by the savings.

With this decision of the Radio Council, there is very little hope that Radio Denmark ever will broadcast internationally again, thus becoming a very difficult station to listen to and report for all DXers who are not familiar with the Danish language. However, a strong reaction from listeners may have a positive effect as it had for Radio Canada and Radio Sweden in similar situations. We really hope YOU will join us in our common protest to Radio Denmark by writing your personal letter directly to the Director General himself (and not to the Shortwave Department).

Obviously, the Director General is not aware that shortwave radio is one of the best means of spreading information on the daily life in a country, and news on politics, economy, culture, social development, and so forth - a fact that all DXers can agree with.

If you are a regular listener to Radio Denmark Shortwave, you must mention this also, and further state that you have received much interesting information from Denmark in this way, and that you urge the Director General to review his suggestion once again concerning a possible continuation of the foreign language programs.

Send your letter to:

Mr. Hans Sølvsbøj
Director General
Radiohouse
Rosenbørnsalle 22
DK 1970 Copenhagen V
Denmark

I strongly urge each and every NASWA member and friend to write to Denmark. Whether you type, write, or print your letter, it may help save Radio Denmark. Remember to be polite, and be sure you base your request for review on facts (tell Mr. Sølvsbøj why you listen)

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Deadline for December FRENDX is November 10th - Don't forget!



NEWSROOM

ROBERT HAGERMAN*EDITOR
475 WILSON STREET
HEMLOCK, MICHIGAN 48626

Deadline 15th of Month

* * * *

Biggest news this month is that the Far East Broadcasting Authority is testing from Seychelles daily. They've been observed from 1830-2000 on 21460 kHz, with most programs in English, consisting of music, many ID's, and requests for reports to: FEBA Seychelles, P.O. Box 234, Victoria, Seychelles. (Monitoring by Mike Macken, Mass., and Bill Martin, Delaware)

R. Encarnacion, Paraguay, very much wants detailed reports. Sr. Antonio Efrin Cabrero, Director, will send a registered QSL letter for such. However, the letter/report should be registered to make sure it reaches him. Currently observed amidst heavy QRM around 0100 on 11947. (R. Encarnacion via George Fisher, Colorado)

R. Sweden has now switched their 31-meter frequency to 5990 kHz in 49-meters. This for their English broadcast to NA at 0030 and 0200. (SCDX'ers)

According to Radio Canada's monitor in New Zealand (A. T. Cushen), a new station is the Voice of the Phillipines from Malalos, using 7.5 kw. on 9555 kHz. On daily from 2100-1600, government operated. Anyone have further information? (RCSWC Bulletin)

R. Nepal has sent this sked to George Fisher: 0120-0350 on 7105, 11970; 0720-0920 on 7165; 1320-1620 on 11970 kHz. Transmitters are 5/100 kw. Some English news bulletins, mostly Nepalese. (R. Nepal via George Fisher, Boulder, Colorado)

R. Togo, Lome, Togo, has passed along this sked: Weekdays: 0530-0900, 1200-1400, and 1630-2300; Saturday: 0530-0900 and 1200-2300; Sunday: 0530-2300. Frequencies are: 6155 (4 kw.), 5047, 7265 (100 kw.) (R. Togo via John Tuchscheerer, Wisconsin, and Bruce Haines, Colorado) NOTE: Last month I continually typed out: Bruce Haines, Missouri; Bruce actually lives in Boulder, Colorado. So sorry !)

CLANDESTINES! Or should it be NUMBERS! ? SWNS Editor CM Stanbury II would appreciate it if SWL's in the Southwestern USA would try to tune in the Spanish numbers' stations, and note the signal strength of the transmissions. Especially the station currently heard on 5025 around 0600-0625. Please report these either to your editor or to: CM Stanbury II, Box 218, Crystal Beach, Ontario, Canada. (SWNS/CM Stanbury, Ontario)

RAI, Rome, Italy, lists these English broadcasts: NA: 0100-0120 on 11810, 9575; UK: 1935-1955 on 11800, 9710, 7275; Mediterranean: 0425-0440 on 7275, 5990; Near East: 2025-2045 on 11800, 9575, 7235; Japan: 2200-2225 on 15340, 11905, and 9710; S. Asia: 0350-0410 on 21560, 17795, and 15340. French to NA: 0120-0135 on 11810, 9575; and Italian to NA: 1830-1905 on 21560, 17770, 15400; 2230-0100 on 17770, 15340, and 11905. (RAI direct and via Chris Tomaszycski of Detroit, Michigan)

The O.R.T.F. outlet in Cayenne, French Guiana, has sent along this sked of their French transmissions: Daily: 0915-1100 on 3385 (4 kw.); 0830-0100 on 3385 (Saturdays to 0200); 0300-0530 (to 0600 on Saturday) on 6170 (4 kw.). On Sundays: 1000-1200, 0830-0100 on 3385; 1200-0830 on 6170. (ORTF, Cayenne, via B.Haines, Colorado)

As for English transmissions from the ORTF, their main outlet/station in Paris, France, sends this sked to Bruce: 0515-0530 on 7155, 7255, 9700, 11920, 15120, and 17730, to Africa and the Indian Ocean; 1100-1115 to Africa on 15295, 17720, 21580; and also to Africa from 1915-1930 on 15185, 15295, and 21580. (ORTF, Paris, via Bruce Haines, Colorado)

Voice of Free China, Taipei, Taiwan, has sent this sked in English to Mrs. Mildred Marshall 0200-0350 to NA on: 7130, 11825, 15125, 15345, 17720, 17780, 17890; and to Europe and Africa from 1700-1800 on 9685, 9765, 11825, 15125, 15370, 17720, and 17890. (VOFC via Mrs. Marshall, N. Dakota)

The Broadcasting Service of the Democratic Republic of Sudan, Omdurman, Sudan, has passed along this sked, dated IX-15-69: Arabic program: 0400-2200 on 4994, 7200, 11835, and 15789. The Local Programme for the Southern Provinces can be heard from 1600-1900 on 15789, //4994. Reports can be addressed to: A. A. Omarabi, Ministry of National Guidance, Sudan Broadcasting Service, P.O. Box 572, Omdurman, Sudan. (Direct from Mr. Omarabi, SBS)

Radio Nacional de El Salvador, San Salvador, has a program in Spanish, English, and French from 0300, daily. Frequencies are 5980 and 9555 kHz. (R. Nacional, YSS, via George Fisher)

S.O.D.R.E., Montevideo, Uruguay, lists these transmitters: All capable of 3/20 kw.: CXA4-6126; CXA6 - 9620; CXA10 - 11100; and CXA18 - 15275. Is 11100 right or a stencil/typo mistake? (SODRE via Bruce Haines, Colorado, and via George Fisher, Colorado)

R. Diffusion-Television Nationale Malagache, Tananarive, Malagasy Republic, has these four "networks": I - Malagasy Language: 7155 (4 kw.), 9515 (30 kw.), and 3280 (30 kw.); II - French: 7105 (4 kw.), 3232 (30 kw.), and 9690 (30 kw.); III - Malagasy: 4960 (10 kw.), and 7230 (10 kw.); and IV - International chain in French and English: 17730 (supposedly 100 kw.) (R. Malagache via Bruce Haines, Colorado)

Still on those French African stations, Radio Dahomey in Cotonou, sends this sked along to Bruce Haines: Weekdays: 0515-0700; 1100-1300; and 1630-2200; Saturdays: 0515-0730 and 1230-2300; and on Sundays: 0700-2200. The frequencies in use are 4870 and 7190, both in use at all times. (R. Dahomey via Bruce Haines)

Radiodiffusion du Senegal, Dakar, Senegal, sends this French sked to Bruce Haines: There are two networks "Chaine Inter" and "Chaine Nationale", and what times go with what frequencies are not given, however, here are the times: Chaine Inter: 0600-0805, 1200-1400, and 1800-2400 on weekdays; on Saturdays: 0600-0805, and 1200-2400; and on Sundays from 0700-2400. For Chaine Nationale: On weekdays: 0600-0800, 1200-1400, and 1800-2400. Saturdays: 0600-0800, 1200-2400; and on Sundays: 0700-2400. 100 kw. transmitters are on: 9720, 9675 kHz; 4950 and 5960 use 25 kw.; and 3336 and 6070 (in Ziguinchor) use 4 kw., as do 4890 and 5975 from Dakar. (R. Senegal via B.Haines, Colorado)

SUPPORT NASWA - REPORT TODAY !

A rather rare sked has been received by Bruce Haines, that of the Zambia Broadcasting Service with offices/studios in Lusaka. However, the times given in it are not given (I mean what time). If GMT, then times are quite different then given in the WRTH or WRTH SS, or recent loggings indicated. If local Zambian time (GMT + 2 hours), then transmissions would start at 0230, but this would be highly improbable. For now, I'm assuming that the times are GMT, but they may turn out to be different. For the General Service: (Programmes in English, Bemba, and Nyanja): 3346 kHz (120 kw.): 0430-0745; on 4965 (2½ kw.): 0430-0830 and 1615-1745; for the entire General Service: 0255-2106; with: 0300-0545 on 3346 (120 kw.), 4965 (2½ kw.), and 6165 (20 kw.); from 0430-0545 on 4965, 6165; 0545-0630 on 4965, 6165; and 7240 (120 kw.); 0630-0645 on 6165, 7240; 0645-1400 on 6165, 7240, and 9580 (2½ kw.); 1400-1415 on 6165, 7240; 1415-1530 on 4965, 6165, 7240; 1530-1545 on 4965, 6166; and 1545-2106 on 3346, 4965, 6165. On Sunday, same sked except that broadcasts begin at 0400 on 7240, 6165, and 4965 and close at 2010.

As for the Home Service, with programmes in Bemba, Lozi, Tonga, and Nyanja, Kaonde, Luvale, Lunda, and some English ID's: 0255-2100, with: 0230-0600 on 3295 (10 kw.), 4911 (10 kw.), and 6060 (20 kw.); 0600-0700 on 4911, 6060, and 7220 (10 kw.); 0700-1400 on 6060, 7220, 9505 (10 kw.); 1400-1600 on 4911, 6060, 7220; and 1600-2100 on 3295, 4911, and 6060. On Sunday, the same except that 4911, 6060, and 3295 are on from 0400-2105. Reports go to: Programme Secretary, Broadcasting House, P.O. Box RW 15, Rodgeway, Zambia. (ZBS via Bruce Haines, Colorado). NOTE: (I realize that the above sked makes very little sense, that several times are in disagreement, and that some are overlapping; however, I blame it in turn on the sked published by the ZBS, which is extremely hard to figure out. Sorry.)

All India R., New Delhi, lists these French transmissions in their latest bulletin: 1645-1700 on 17705, 21580; 0015-0100 on 9912, 11805. (Made another mistake - times are GMT + 5½ hours, so actual times are 1115-1130 and 1845-1930) Other broadcasts listed in the bulletin: English: 2245-0115 in 9, 11, 15 mHz bands (also 7 mHz); 1330-1500 in 11, 15 mHz; 1000-1100 in 15, 17, 21 mHz; 1745-2230 in 6, 7, 9, 11 mHz; 1750-1945 in 15 mHz; 1945-2045, 2045-2230 in 9, 11 mHz. Hindi: 2315-0015 in 9, 11 mHz; 0330-0345 in 15, 17 mHz; 1615-1700 in 15, 17 mHz. A test in Hindi to Mauritius from 1245-1255 on 9575 kHz; Tamil: 0015-0100 on 9740, 11875; test in Tamil for Asia: 1130-1230 on 15335. (AIR via Dan Henderson, Maryland)

Radio Portugal, Lisbon, has sent this sked, good thru December: English: NA from 0200-0245, 0345-0430 on 15125, 11935, 6025; to Canada on 11840 from 0300-0345. UK: 2045-2130 on 6025; Australasia from 0730-0900 on 17880, 21495; S.Asia: 1345-1430 on 17895, 21495; Africa: 1815-1915 on 17895, 21495.

For French to NA (Canada) from 0215-0300 on 11840; to N.Af. and S.Europe: 0700-0745 on 6025, 9740; 1830-1915 on 6025; to the Malagasy Republic: 1730-1815 on 17895, 21495; and Spanish to SA: 0100-0145 on 15315, 11840, 9585. (Direct from Radio Portugal)

The Austrian Radio lists these sked changes, good thru Nov. 2: N.Europe from 2000-2200 on 11925; S.East Europe from 0400-0700 on 7245; E.Af.: 1800-2000 on 15200; S.Af. from 0800-1000 on 17855; S.East Asia: 0400-0600 on 17715; and E.Asia: 0600-0800 on 21570. Those are just sked changes. To NA, times remain the same: 2300-0400 on 6155; ECNA: 2300-0400 on 9770; and CA: 0000-0200 on 15145. (Direct de Osterreichischer Rundfunk via NASWA Headquarters)

R. Japan, Tokyo, has passed this sked for English xmsns along: to Middle East:1745-1815 on 9670, 7195; NA:2345-0045 on 15445,17825; 0130-0230 on 15325,17725,17825, and 21640. Europe:0800-0830 on 17825,21535; 2030-2100 on 9735, 11950; Australia:0930-1030 on 11875, 15235; Asia:1045-1115 on 9675,11875; and 1630-1700 on 9670 11705.

The General Service, with equal English/Japanese programs (i.e., from 0000-0030 with English for 15 minutes and Japanese for 15 minutes) lists these xmsns. The first frequency given is for Asia, the second for America and the third for Europe:0000-0030 on 15195,17785,9735; 0100-0130,0200-0230,0300-0330 on 17880,15105, 15300; 0400-0430, 0500-0530 on 17880, 9505,15300; 0600-0630 on 17880, 9505, 17855; 0700-0730, 0800-0830,0900-0930 on 15195, 9505, 17855; 1000-1100 on 11815, 9505, 9560; 1100-1130, 1200-1230,1300-1330 on 11815,9505,9560; 1400-1500 on 11815,9505,9560; 1500-1530,1600-1630, 1700-1730,1800-1830 on 11815; 1900-1930, 2000-2030,2100-2130 on 11815,15105,9560; 2200-2230 on 15195,17785,9560; 2300-2400 on 15195, 17785, and 9735.

Both services/skeds in effect to February 38,1970. (Direct de Radio Japan)

United Nations Radio has sent this sked, effective Sept. 15, to your editor:English:1800-1805 on Mon.-Fri. on (G)15415,21690 (T) 15245. 1830-1835 on (G) 15415

and 21690. 05450-0600 (Tues-Sat) on (G) 6125,9530,11915; 0630-0635 on (T) 11760,15330; 0707-0715 on (G) 9530,11915; 0745-0750 on (M) 17705,21520; 0230-0245 on (P) 17830,21570; 0845-0900 on (D) 5955,9735;1000-1005 on (P) 15225, 17825; and Broadcasts of Meetings of the General Assembly and The Security Council when in Session can be heard in English/French for Morning Sessions:1430-1700 on (G) 15410,21650; in Spanish:1430-1700 (B) 17745, 21515; or if Afternoon Sessions:English/French from 1900-2300 on (G) 15415,21650; 2300-0100 on 15415; and 2300-0900 on 6055. The letter in "()" before a frequency (ies) is the transmitter site: (B) - Bethany, Ohio, USA; (D) - Dixon, California, USA; (G) - Greenville, North Carolina, USA; (M) - Monrovia, Liberia; (P) - Poro, Malalos, or Tinang, Phillipines; and (T) - Tangiers, Morocco. (Direct from UN Radio/UN Headquarters)

R. Nederland, Hilversum, Holland, has sent this latest sked, thru March I, 1970: English to NA: 2130-2250 on 9715,11730; 0200-0320 on 11730 via Bonaire, Netherlands Antilles; 0500-0620 on 9715 and 1730, both relayed via Bonaire. In addition, on Tuesdays and Fridays, English is beamed to NA from: 1530-1545 on 17810,21570; 1730-1745 on 17810 (via Bonaire); and 1800-1815 on 17730 (also via Bonaire). (Direct from R.Nederland via NASWA Headquarters)

Sorry for many of the items being mixed up this month; I was rather rushed with all the reports arriving in a big batch. Next month, things should be down to a settled, established pattern. Many great reports once again, thanks to these people:George Fisher, Bruce Haines, Dan Henderson, Mike Macken, Mrs. Mildred Marshall, Bill Martin, George Rabone, C.M. Stanbury II, Chris Tomaszycski, and John Tuchscherer. Pass along all news items to me by November 15, please. Be sure to mention if you want the items/skeds returned or not. Return postage is appreciated if so. And, for those desiring an answer to their letters/questions/reports, please enclose US mint stamps or an SASE. Mucho apreciado. Till next month, 73 de Bob



QSL REPORT

GREGG A. CALKIN-EDITOR
131 Cooper Street, Apt.903
Ottawa, Ontario, Canada

Deadline, 15th of Month

NEW ADDRESS

Your QSL Editor has again moved. The new address was given last month, but in the event some members may not have noticed the change, I would draw your attention to it, above. Any reports sent to the previous address will be forwarded, but with a slight time delay. Your editor also has a private phone which may be used for submitting last minute items, or for just general chatting on short-wave topics to any member who would like to call. The number is 1-613-233-6181, and is answered only by yours truly, so that all calls may be made station to station.

NEW QSLS

A number of reports concerning new QSLs have come in during the last month. In mid-September SDR in West Germany (6030 kHz) was to have issued a new QSL; Radio Cairo has announced the issuance of a new series of cards featuring scenes of Modern Cairo and Ancient Egyptian relics; Radio RBI issued a card commemorating "20 Years G.D.R." and it was sent to all listeners who reported reception of RBI during the anniversary month of October; and finally, Radio RSA has announced that a new QSL will be issued beginning in December. Two new QSLs have also been reported in the QSLs Received section this month, and I would draw your attention especially to those reported in Ceylon and Cyprus.

QSLs RECEIVED

AFGHANISTAN: Radio Kabul, 15265, map card in 25 days airmail for 3 IRCs. Complete/correct data (Estand) 1½ weeks, full data (Alpert) 20 days for 2 IRCs (Lemna) 16 days (Fisher)

ALGERIA: RTA, Algiers, card of yellow figurines on white background in 45 days for 11835 kHz; 2 IRCs (Glasberg) w/sked in 55 days for 11810. Rpted in French w/IRC (Koukol)

ANGOLA: Radio Clube da Huila, 3970, pic/card featuring foto of studios in 2 weeks. Rpted in Portuguese via registered mail w/4 IRCs. No date given (Lemna)

Radio Comercial, Sa da Bandeira, 4795; card in English w/full data after 4th report. Reply came in 3 months (Roth)

Radio Clube do Cuanza Sul, Novo Redondo, 4840, card showing studio, no data, but "thank-you" in 5 languages. 4th report; reply in 2 months (Roth)

Emissora Oficial, Luanda, nice card, full details, street scene in Moçamedes, for 11875. 7 weeks airmail; reported in English. 1-IRC (Padula)

A. Voz de Angola, 5960, card in 43 days for 2 IRCs; full data (Scoville) card of downtown Benguela in 1 month (Fisher)

ARMENIAN SSR: "Yerevan" sent card and sked in 7 weeks registered for 17800 (Volle)

ASCENSION IS: BBC, card in 20 days for 9510 kHz, no CRC (Byers)

AUSTRALIA: ABC/Brisbane, 4920, regular ABC card with full info for airletter rpt, no IRCs, 14 days (Hall) 10 days air for IRC (Anderson)

Radio Australia, 11710, card w/pic of old Melbourne House in 14 days. 2 IRCs. (Vassallo) beautiful photo card of Tasman Bridge/Hobart, 9580, in 19 days airmail (Calkin) card in 210 days w/full data; no IRC (Scoville) 7205 in 8 days. 2 IRCs

sent; card of harborside city of Sydney, N.S.W. (Haines) 21740, 10 weeks sea (Caldwell)

AUSTRIA: Vienne, now calling themselves the ORF, sent p/card QSL showing Johann Strauss monument in Vienna for 9770, full data, in 15 days airmail. Have developed new tactic in using p/cards and QSL text rubber stamp (Calkin) two beautiful cards for 15145 and 11870 showing rural scenes in 4½ weeks (Shepherd) card in 3 wks for tape (Sterling)

BELGIUM: ORU sent full verie card for 6125 in 25 days. 1 IRC (Byers) blue tower card in 10 days airmail, no IRCs (Lewis) 1 month, sked and mailbag data + pennant (Jankowski)

BIAFRA: Radio Biafra, letter in English for 7301 and 6145 kHz, from P.C. Chigbo, in Abidjan, I.C.; He states 6145 has been moved 3 times in past 2 years and is now in "bush somewhere in Biafra". (Field) letter telling of engineering/technical difficulties (Estand) letter verifies report and gives date and frequency; also returned separately my prepared card sent with report and signed by the "Controller of Radio" and stamped with station seal (Peters) letter specifying my report corresponds in detail with "Voice of Biafra" transmission on date reported, giving power as 10 kW. 2 IRCs sent with report (Koukol) general confirmation letter in 20 days air (Anderson)

BONAIRE: Radio Nederland, 11730, card in 9 days by air. 2 IRCs (Vassallo) new Bonaire Commemorative card in 7 days only, by air. Full data (Calkin) 6 days (Volle) 8 days air, 2 IRCs (Hedstrom) 7 days air (Caldwell) 9 days, no IRCs (Cornils) 9 days (Estand)

BRAZIL: Radio Globo, 11805, bluish-green card w/scenes and English/Portuguese QSL text; giving freq, pwr, date, GMT and V/S initials. 4 months (Soneff) 1½ months (Bull) 3 months, very colorful thin card, 2 IRCs (Haines) 2½ months seamail (Caldwell)

Radio Cultura da Bahia, 9595, form letter in Portuguese in 3 months. Verie stmt only. 2 IRCs (Lemma) QSL by aerogramme giving date + confirmation stmt, in 33 days after f/up (Roth)

Radio Clube de Para, Belem, QSL letter by registered airmail in 17 days. Full data, 2 IRCs sent. Letter in Portuguese (Hall)

Radio Pioneira de Teresina, 4885, nice Portuguese personal letter giving date and micro-mini paper pennant by air in 15 months from V/S: Pedro Mendes Ribeira, Diretor Artistico. Reported in Portuguese with IRC (Hagerman)

BRITISH HONDURAS: Radio Belize, 3300, card seamail in 15 days w/full data for 2 IRCs, and signed by L.H. Young. Was 3rd report (Pappas) Report was by registered tape.

BULGARIA: Sofia, 9700, Sofia university card, letter and rpt form in 114 days (Volle)

BURUNDI: La Voiz de la Révolution, card in French, with stamps, by air in 6 months. For 6140 for 3 IRCs (Field) Are they sending card now, Martin? (GAC)

BYELORUSSIAN SSR: Minsk, 15150, card marked "via Minsk" after rpt and polite letter to Mrs. Stepanova in which I asked why it was that some DXers' cards were marked and not mine. I explained how important it was as Byelorussia counted as a separate country. Without comment, QSL came marked "via Minsk" (Sizer) card in 2 months marked, for a long letter of my opinions on Soviet policy. New blue card by air; 1-IRC (Glasberg) full data card, stating "via Minsk" in 39 days air (Koukol)

CANADA: Radio Canada, card ob "Bluenose II", 3 weeks surface mail (Hurst) in 14 days, mint stamps sent (Calkin) 2 weeks (Bull) 15325, 10 days (Anderson) 2 weeks for 11945 from Montreal (Volle) 9625/15325/17620, in 11/10/11 days resp. (Hedstrom)

CBC Northern Service sent Eskimo sculpture card for 11720, in 10 days, full data (Heggs)

CFCX, Montreal, 6005, red and white card in 39 days (Volle) 25 days after 2nd report; 1-IRC (Scoville) 5 months, good looking card (Bull)

CFVP, Voice of the Prairies, airmail in 5 days by card. IRC (Anderson)

CANARY-IS: RNE, Tenerife, card in 2 months for 11800. Regular card w/no time from José A. Cubiles. 2 IRCs (Glasberg) 2 months (Fisher)

CEYLON: Colombo, after two unsuccessful tries to QSL Radio Ceylon, they sent a beautiful new card, in color of Botanical Gardens in 10 days airmail, with full data for report on 11800 kHz. (Sizer) 6075 and 11800, QSL letter by air from F.M.G. Stave, Foreign Relations Officer, confirming rpts with full data. Total of 9 IRCs plus mint stamps

sent during last year in rpts for 4 different frequencies. 198 days since these 2 sent, plus f/up and thanks to our friend Sarath Amukotuwa, Editor of the Ceylon SWC for help also. No mention of reports out for 17830 and 4870 (Hall)

CHILE: R. Cooperativa, CE970, Santiago, card airmail in 6 months. Card in Spanish w/date and call-sign, for 9690. IRC sent w/1st rpt; mint stamps sent w/2nd. Reported in Spanish w/NASWA form (R. Murphy)

R. Minería, 9750, English/Spanish verie letter w/date only, by airmail in 33 days from V/S: Luis Hernan Bidela Pacheco. Reported in English w/IRC (Koukol) 1 month, (Bull) 3 months after 4th f/up, by air. SASE sent (Field)

CHINA: Radio Peking sent Mao pic/bks and propaganda, but no QSL (Heggs) card, magazines, and letter in 82 days. No IRCs (Volle)

COLOMBIA: Emis. Nueva Mundo, large white card w/date only, in 3 wks for 4755 kHz. Sent To Caracol network in Bogota w/1-IRC (Glasberg)

Emis. Nuevo Granada, letter which I believe is QSL, no data, from V/S: Myriam Cecilia Mora Rangel, Secretaria. Rcvd in 3 weeks. IRC (Glasberg) Send photocopy if you wish a translation, Irwin (GAC) letter in Spanish, w/14" white satin pennant, blue border and red lettering. Prompt verification in 8 days after rpt in Spanish with mint Colombian stamps (Dunn)

R. Colosal, Neiva, 4945, personal letter and tri-color pennant, letter in Spanish and signed by Rafael Navarro T., Gerente. 5 months after f/up (Roth) 3 months after 4th try, SASE sent (Field)

R. Pacifico, Cali, 6055, long, personal letter in Spanish, from Alberto Acosta, Director. Red and green paper QSL, w/invitation to come to 1971 Panamerican Games. Reply by airmail in 3 weeks for report in Spanish with 4 IRCs. (Padula)

R. Sutatenza, 5075, card of Pope blessing new equipment and paper pennant in 5 months seamail after f/up. Mint stamps sent (Hurst)

CONGO (DR.): R. Bukavu, 4839, form letter in French giving only date from C. Bokangama in 3 months after 5 unanswered reports. No return postage sent. (Roth)

COSTA RICA: R. Casino, 5954, long green card w/out time. Small green/white pennant also sent; all rcvd in 8 weeks. Text is in Spanish/english, by air after rpt in English. Returned my IRC (Hagerman) 9645, 2 months, red/white QSL for 3 IRCs (Lemma)

CUBA: R. Habana, 17705, card w/sked only, by air in 4 mos. Full data (Anthony) 4 $\frac{1}{2}$ months air for 11760, no IRC (Cornils) 9525, 7 months, w/pennant and by air (Jankowski)

Voice of Vietnam over Havana, Box 6116, Havana, 9525/15285, cards of Viet V/C girl with gun on U.S. soldier, and photos of various world stamps. IRC, 6 wks (Field)

CYPRUS: Cyprus Broadcasting Corporation, Box 1624, Nicosia, sent large beautiful multi-colored card with Cypriot scenes for 15260 tests, in 1 month airmail. Card is in English and is designed for MW/TV outlets, but SWBC frequencies are typed in w/power given as 30 kW each for 15260 and 17875. Full data including xmtr location and request for further reports. V/S: The Director General. 5 IRCs sent (Calkin) card in 36 days air w/full data. Reported by registered tape (Pappas) 17875, same beautiful card for Ontario reception in 32 days air, noting 11910 kHz to be testing from November 1. 4 IRCs sent (Calkin)

BBC/EMR, 11720, regular BBC card in 11 days airmail (Volle)

CZECHOSLOVAKIA: Prague, delightful view card of Cesky Krumlov, by air in 21 days for 9540. V/S: Vladimir Kucera; also sent pic of radio hq in downtown Prague (Calkin) 3 wks air, no IRC (Cornils) 11990, 2 $\frac{1}{2}$ weeks for IRC (Haines) 4 weeks air (Caldwell) card of Thermie Palace for 17840, Zamek Castle for 5930 in 24 days (No Name) 22 days, of Pravice Castle for 9630 in 21 days, each time w/FDC's (Anderson) assorted view cards for 5930/7345/9630/11990 in approximately 1 month, with report forms (Jankowski) 29 days air, card with full data, no IRCs for 11990, and card in 21 days of Hradcany Castle, plus form letter on Czech/African service stationary and included Afro/Asian sked from V/S: Jiri Harrer. But for N.A. transmission. ? (Estand)

DAHOMEY: Radiodiffusion du Dahomey, Cotonou, multi-colored card in 20 days for 7190. Rpted in French w/ 3 IRCs (Glasberg) very colorful card for 4870, 3 IRCs, (Haines)

DENMARK: Radio Denmark, 15165, Aerial card and DSWCI card, plus sked by air in 3 weeks. (Jankowski) 9520, 4 wks air (Caldwell) 12 weeks seamail (Padula) 4 wks (Shepherd)

full data card in 19 days air; no IRC (Byers) 33 days, aerial tower card (Sterling) 27 days, no return postage (Anderson) 21 days air, w/sked and small national flag for 2 IRCs. Also DX Window card, in 24 days air (Hedstrom) 1 month from Suzanne Jackson, 1-IRC, airmail; complete verification data (Rudolph)

DOMINICAN REPUBLIC: HISD, 9505, poorly worded acknowledgement card via Universal Bcing Corp., 310 Madison Avenue, N.Y. 10017 in 7 days (Martin) 1 week after 2nd f/up. Reply from NYC and for 6090. Reported to NY (Stuart) 1 month, SASE sent but not used (Byers)

R. Comercial, 4880, letter in 5 weeks seaimail for mint stamps.

V/S: Juan Nova Ramirez, Director (Sparks) 4883, 15 days after f/up. (Roth)

ECUADOR: HCJB, Quito, card in 3 months for 11765, w/skeds, airmail. 2 IRCs (Vassallo) Inca design QSL in green and blue w/white lettering, sked, lit, cactus doily. Sent 3 IRCs w/rpt and rcvd air reply in 60 days (Banta) Aztec N° 4 in blue/green, 8 weeks by seaimail. 1-IRC (Hurst)

Emis. Gran Colombia verified by letter in 1 1/2 months for 4910 kHz. Rpt sent in Spanish w/mint stamps from V/S: Eduardo Cevallos (Shepherd)

Canal Manabita, 4817, card and letter, pennant and p/card in 4 weeks after f/up from L. Fernandez C., Sub-Gerente. SASE sent. Reply by air (Field)

R. Zaracay, Sto. Domingo de los Colorados, 3390, letter and folder on station in 5 weeks after 6th f/up. V/S: Jamie Romero Flores, Locutor. SASE sent; air reply (Field)

Radiodifusora del Ecuador, HC2AK, Guayaquil, sends letter and beautiful pennant in 2 months airmail. SASE sent but not used. Letter is friendly, giving date only, plus confirmation stmt and saying further rpts welcome. V/S: Judy Tefia, for Rafael Guerrero V., Gerente. Pennant is blue, white and red. Rpted with NASWA Spanish form; for 4650 (R. Murphy)

EL SALVADOR: Radio Nacional, airmail letter in Spanish in 15 days for new 5980. V/S: Dr. Abel Salazar Rodezno, Director Emergente, understation's seal. Used mint stamps and NASWA Spanish form. Station also sent leaflets on El Salvador-Honduras war (Sizer) 9555, 10 weeks, w/colorful travel brochure and pennant (Estand) 6010, 38 days, letter with incorrect frequency. (Koukol) full data letter in 1 month air (Glasberg) 10 days registered w/pennant for 9553 (Rudolph) 17 days, rpted in English w/IRC from V/S: Carlos René Rivera (Dunn) excellent confirmation letter from René in 2 weeks air (Haines) 2 wks, asking for more reports (Fisher) 22 days from José Gaudia, Director Interimo. Reported in Spanish with NASWA form (Anderson)

ENGLAND: BBC sent regular Thames acknowledgement card for 6110 in 21 days airmail, plus WS charts and personal letter from H.R. Hatch, explaining difficulties of giving xmtr locations. Bad as Moscow. hi Have asked for definite location at specific time, date, and freq. in return letter (Calkin) in 1 month for 21610, by air, no data (Jankowski)

VOA/Wooferton, 9740, standard VOA card in 8 days, showing xmtr site (Estand)

ETHIOPIA: ETLF, 11730, blue/white card seaimail in 4 months for 3 IRCs. Sked rcvd 3 months prior to QSL, via air (Lemna) 15170, 1 month (Martin) 9 months, IRC (Fisher) cards for 11910/11770/11730/17815 averaging 20 wks each. Full data (Shepherd)

FINLAND: Helsinki, 2 cards w/sked for 15185 in 33 days for 2 IRCs (Blossom) 2 months, map card, + info air; no IRCs or sked (Estand) 23 days w/FDXC card (Marshall) card + sked for rpt w/IRC (Rabone) 84 days (Hall) 1 month, 2 cards, full data each (Jankowski) for 9590 kHz, now returned to 9550, in 7 weeks air; no IRCs (Shepherd)

FRANCE: ORTF, Paris, very colorful orange card w/ORTF Hq. photos in only 10 days airmail for 21645. Full data card + sked and form thank-you note from André Bayle, The Director of Overseas S/W transmission. Very nice card! Also returned my Fr. 1.10 in mint stamps (Calkin) also blue/white pennant in 2 weeks for 15120 in addition to QSL (Haines) B/W photo card, novel idea! 4 months, no IRCs. Airmail reply (Estand)

G.D.R. RBI, 11890, Berlin series N° 6 card, in 9 wks air. Also large cloth certificate marking 20th anniversary GDR, approx 7 1/2" x 10 1/2". Is white, black, red and yellow and in plastic cover (Banta) 2 months, card shows statue of horse and rider (Lewis)

G.F.R. DW/Köln, 9545, usual blue map card w/full data + 8-page sked, 5 wks air (Banta) 9735, 20 days (Fix) 1½ wks (Haines) 5 beautiful cards in 3 wks w/rural scenes (Caldwell) VOA/Munich, 18150, verified via Washington in 10 days. Reg. VOA card, giving xmttr site/date. This freq. is SSB communications network of VOA (Goldman)

GUYANA: Demerara, 3265, card air in 2 wks (Hurst) 2 weeks, large card for 3 IRC (Lemna)

GREECE: NHBI, white card, registered, rcvd in 60 days for 15345 kHz (Alpert)

HAITI: 4VEH, usual folder card for 11835 in 5 months air (Haines) 2 months, IRCs (Fisher R. Valparaiso, 5040, French form letter, w/English sections from Augustin Dorvil, Directeur-Proprietaire. 5 months time (Roth)

HONDURAS: HRVC, card w/letter and schedule in 32 days for 4820 kHz. 2 IRCs (Volle)

HUNGARY: Budapest, 11910, yellow bridge sketch card, pennant and newspaper in 2 mos (Hedstrom) 9 wks (Caldwell) 2 months seamail from Mari Soter; freq. wrong (Anderson)

INDIA: AIR/11810, p/p/card in 2 mos for 3rd rpt. Pic of Indian scene & camel (Lemna)

INDONESIA: Cards in 2 months from Farida Nur, QSL Mgr, for each of: Denpasar/7120; Makasar/4750; Ambon/7140; Menado/5990; Surakarta/4932 and Djakarta/7270 kHz. (Field) Card for Djakarta/6102.5, attractive, in 3 months (Fisher)

IRAN: Teheran, 15135, card in 83 days registered seamail from E. Golesorkhi, Director General. W/sked and tourist folders. 2 IRCs (Koukol) 5 mos w/flag and Magazine (Bull)

IRAQ: Baghdad, yellow map card, 7240, w/tourist lit and 5 packets of Iraqi cigarettes (!) u/separate cover as gift from English section. But I don't smoke. hi (Padula)

4 months, 1 wk by air for 11785; 3 IRCs (Haines) 6095, 3 mos (Anderson) 2 mos (Fisher)

ISRAEL: Kol Israél, 9009, card of towers in 6 wks; no IRCs (Lewis) card, w/apology for delay, in 5 mos (Marshall) 18 days (Bull) 9625, handsome card in 6 wks w/pennant (Martin)

ITALY: RAI, map card in 34 days for 11810 (Volle) Tower card in 2 mos (Lewis) in 2½ months for 15410 kHz (Marshall)

JAPAN: NHK, card for 15105 in 15 days air; returning IRCs (Byers) 27 days, purple/beige striped mod card air (Estand) Kabuki dancers, 22 days (Calkin) 2 wks (Bull) 17875, Nara Cherry Blossom's card, 2 weeks (Caldwell) 1 month (Anderson)

JOZ3/NSB, Tokyo, humorous card for 9595 in 1½ months; features drawings (Patterson)

JORDAN: Dutch made p/card shcwing view of Petra, 2 wks for 15170. 1-IRC sent (Shepherd)

KUWAIT: KBS, folder map card, sked and info on Kuwait in 16 days for 15345. 4 IRCs sent. 2 weeks air, w/colorful stamps. (Hurst) 1 month airmail; 2 IRCs (Byers)

LAOS: Vientiane sent card in 20 days for 6130 kHz and signed by Ouphet Souvannavong (Bull). plain white card in 1 month w/full data; 3 IRCs; Same V/S (Fisher)

LEBANON: Beirut, 11785, card in 19 days registered airmail (Vassallo) beautiful drawing card of studios, in 25 days, w/flag, sked and prog. guide, registered (Calkin) 29 days for 15285 (Blossom) 3½ weeks (Sterling) 15170/15285 in 2 wks (Haines) 3 weeks registered airmail (Lewis) 26 days registered (Marshall)

LIBERIA: VOA/Monrovia, 7280, VOA card in 4 days w/date, freq. and xmttr site (Rudolph)

ELWA, drummer card, sked and lit in 3 mos seamail (Cornils) 5 months for 11965 test (Glasberg) 15155, cards in 7 months seamail, w/religious lit (Rudolph, Fisher)

LITHUANIA: Kaunus, card from Moscow marked "Kaunus", in 41 days air w/p/card, personal letter (Anderson)

"Vilnius", card w/full data in 87 days for 15150 (Alpert) 35 days (Volle) 15405, 77 days, no IRCs (Koukol) card w/detailed pics of lady (Bull) Detailed? (GAC)

LUXEMBOURG: CLT/15350, card in 9 months, w/tower photo + shield/arms (Lemna)

MALAYSIA: Radio Malaysia, card w/pic of being Centre in 3 months, good-looking! (Bull)

MARTINIQUE: ORTF, Fort-de-France, 3315, letter in French from L.M. Cohic, Chef des Services. Full data in 2 weeks air; IRC (Hurst) 10 days for English rpt (Lemna) in 8 days airmail for 1 IRC from same V/S. (Hall)

MEXICO: R. Tapachula, XETS, 6120, pic/p/card in 18 days; mint stamps sent. V/S: Celso Lopez Amorez, Gerente (Sparks)

Radio Mexico, "QSLed" in 27 days with two 33 1/3 rpm records, a pamphlet in Spanish and a booklet in Spanish. Replied, thanking them, but asking for QSL (Niblack)

XEUDS, 6115, card w/seal-coat of arms, 2 wks air, IRC sent; no data (Rudolph)

MONACO: TWR, card in 8 months after 2nd f/up. 3 IRCs. Card has full data (Fisher)

MOROCCO: VOA/Tangier, card from Wash., for 5965, giving no time (Byers) 12 days for stamp for 15310 (Blossom) 15195 in 16 days surface mail (Calkin)

MOZAMBIQUE: RCM, 11780, card of studios bldg, 2 wks after f/up. 1-IRC sent (Rudolph)

NEPAL: 9NB7, card for January rpt (Peters) card from K.B. Khatri in 9 mos. (Fisher)

NEW BRITAIN: R. Rabaul, nice info folder/QSL in 2 months (Haines) 2 mos (Bull) 20 days airmail from John J. Waters, for IRCs (Anderson)

NEW CALEDONIA: Nouméa, French form letter in 4 months, giving date/time and QSM stmt, from Le Directeur. Reported in French with NASWA form (R. Murphy) air in 9 wks, used NASWA form w/3 IRCs (Haines) 20 days air (Alpert) 4 months (Fisher) 3 1/2 months (Bull) 45 days, reported in English w/3 IRCs (Lemna) (Lewis)

NEW ZEALAND: RNZ, 15280, usual travel folder, skeds, etc in 2 months-3 mos. (Heggs, //

NICARAGUA: Radiodifusora Nacional, 11875, very nice Spanish personal letter thanking me for reporting, + huge 21" blue/white pennant, in 2 wks by air, after report in Spanish w/SASE. V/S: Tacho Sanchez Diaz, Director Artistico (Hagerman) 12 days after 3rd rpt; mint stamps sent (Sparks) 2 weeks for NASWA Spanish form report (Sizer)

NIGER: Niamey, 5020, red, green and black card, date and frequency in 6 months total, airmail in 8 weeks after f/up. Originally rpted in French w/3 IRCs; f/up in Eng(Padula)

NIGERIA: Radio TV Kaduna, 6090, nice personal letter w/all info, 2 skeds and 3 fact sheets on Northern Nigeria by 2nd class air in 16 days. V/S: G.P.J. White, C.E. 3 IRCs sent (Hagerman) letter w/full sked via airmail in 1 month for 3 IRCs (Lemna)

WNBS, p/card by air in 3 wks. Freq is 6050 and 3 IRCs sent w/rpt (Haines)

NORWAY: R. Norway, card of "Midnite Sun", sked, data on Norway and small flag in 13 days airmail; 2 IRCs (Volle) 1 month air (Byers) 11735, 3 wks (Fisher) 2 wks (Stenson, Lewis)

PAKISTAN: (E) After 3rd try, rovd letter and card in 60 days from A.H. Kaleem, Director Listeners Research verifying 17945 and 11805 (W) and 15500 (E). (Sizer) form letter but giving no freq or location. Mint stamps sent. Letter emphasizes E & W Pakistan are one country. Members would be advised to request verification of cities, not countries when writing Mr. Kaleem in this regard, it would appear. (Hall)

PAPUA: VLT4, Port Moresby, 4890, regional card w/sked in 3 wks air (Volle) card, booklet on S. Pacific games, Papuan p/cards, skeds and packet of stamps for 5 IRCs. By air (Matthews) map card in 25 days air for 2 IRCs (Glasberg)

PARAGUAY: Radio Encarnacion, 11948, sent very friendly letter in Spanish after 4 mos, 2nd registered f/up and 5 IRCs; signed by Antonio E. Cabrerq. Date and verification stmt only. Reply by registered airmail. (Calkin) letter in 107 days; rpted in Spanish w/p/card. IRC (Koukol) 3 weeks for 11947, registered both ways (Haines) 1 1/2 months for 1st rpt sent registered. Tech Dept requests more rpts with quality details (Fisher)

PERU: R. América, 6010, letter, air in 2 weeks. Mint stamps sent. V/S: Angelica Montaya, Secretaria (Sparks)

R. Nor Peruana, Chachapoyas, letter + large colorful banner for 9655 in 20 days by registered airmail from Manuel Munoz Chacon, Gerente. Rpted in Span. w/IRC (Koukol)

R. Union, 6115, card w/Inca figure design and red pennant in 15 days (Rudolph)

PHILIPPINES: FEBC, 11920, card/sked by air in 1 month (Lemna) 27 days w/sked (Martin)

POLAND: Warsaw, card in 1 month w/pennant + magazines/pamphlets (Bull)

PORTUGAL: Lisbon, returned tape in 1 week w/Port. music (Sterling) World map card, sked, RPDXC data, in 14 days air for 11935 w/full data. (Calkin)

ROMANIA: Bucharest, p/card QSL, letter, sked, rpt form and stickers for 15250 in 18 days (Blossom) 9570, b/w card of church, sked, rpt forms, etc by air in 26 days (Hedstrc)

R.S.F.S.R. Moscow, blue card, thank-you note, in 37 days air, 17760 kHz (Marshall)

RWANDA: DW/Kigali, 15435, blue/yellow Afrika card, + sked in 25 days airmail (Martin)

RYUKYU IS: VOA/Okinawa, 7165, regular card in 12 days from Washington (Lemna)

RYUKYU IS: VUNC, 14460, blue card showing antenna + UN emblem in 110 days, w/full data; 1-IRC sent (Koukol) attractive card in 3 months (Bull)

SARAWAK: RMS, card in 1 month; repeat for 2nd rpt (Bull) card, w/date only, 2 months seamail. 2 IRCs sent; card shows radio building (Fisher)

SAUDI ARABIA: SABS, card w/full data from Werner Storg, 2 wks air. 2 IRCs. Envelope had many colorful stamps (Hurst) 77 days air, from Riyadh (Koukol) 81 days (Hall)

SENEGAL: Dakar, card + detailed sked in 19 days air, featuring dead fish on QSL 5 (5. Murphy) 6 wks after f/up for 11895 (Rudolph) 2 weeks, card rolled in sked (Bull) 2 months (Dunn) 9 weeks seamail (Padula) 7210, report in English, 2 months (Heggs)

SICILY: RAI card for Caltanissetta from Rome; Data typed in; 6060 kHz (Alpert) regular RAI card stating "You heard Caltanissetta" in 51 days seamail, full data. IRC (Koukol)

SINGAPORE: R. Singapore, 11940, card in 2 weeks seamail. No data; 3 IRCs (Rudolph) 3 weeks for 6064 kHz; rpted in English w 1-IRC; confirmation stmt only (Shepherd)

S. AFRICA: R. RSA, card air in 2 months, 11 days w/full data for 4895 (R. Murphy) 13 days for 11875, (Vassallo) 31 days for 5 IRCs, 5980 (Blossom) 9715, 20 days, plus bks on S.A. and skeds (Calkin) 9705, 15 days air (Shimko) 20 days for 5980/21480 (Anderson) usual cards for 5980/7270 in 8 & 8 $\frac{1}{2}$ wks resp. No return postage sent (Shepherd)

SPAIN: RNE, Madrid, full data card in 14 days for 9760 air. (Byers) 5 wks (Lewis)

SWEDEN: Stockholm, 5990, full data colorful card of Northern Lights, listing 7 accomplishments of Sweden and 1 of Finland (who printed the QSL hi). 9 days air only; mint stamps sent (Calkin) 22 days air for 11950 (Briggs) 3 weeks, w/pennant (Bull)

SWITZERLAND: Berne, card of Kloten airport in Zürich in 40 days (Briggs) 50 days, no IRCs, p/card QSL of Schilthorn Aerial Cableway. (Briggs)

TAIWAN: VOFC, map of world card, photo card, sked and VOFC Monthly, 5 $\frac{1}{2}$ wks air (Marshall) 26 days air (Calkin) 44 days (Anderson) w/personal letter from Yvonne Hsiang, (Hall)

AFNT, circuit card in 3 $\frac{1}{2}$ wks for 7215. Rpted to San Francisco w/IRC (Shepherd)

TANZANIA: Dar-es-Salaam, 5985, regular card in 28 days; Rpt by registered tape (Pappas)

TCHAD: Ft-Lamy, 4904.5, card w/native pictures on front, 1 month. Reported in French w/ 3 IRCs. Full verie data and sked on reverse (Lemma) Nice (GAC)

THAILAND: Thai TV Co., full info letter from Mr. Choo NaLampang, Dir for 7108 (Shepherd)

TOGO: Lomé, attractive color card w/map for Togo; full data; in French, 4 wks (Hurst)

TUNISIA: Tunis, 11900, color p/card by air in 16 days for taped rpt w/2 IRCs (Pappas) attractive p/card QSL in English, in 1 month (Fisher)

TURKEY: Ankara, 15160, card and sked in 1 $\frac{1}{2}$ months. 2 IRCs (Volle)

UKRAINIAN SSR: Kiev, letter in 2 $\frac{1}{2}$ mos for 11790 (Byers) 15260, 2 mos. (Stenson, Martin)

U.A.R. Cairo w/usual card by air in 3 mos (R. Murphy) 3 $\frac{1}{2}$ months (Volle) 57 d. (Scoville)

U.S.A. VOA/Bethany, 9525, card in 1 week (Hurst) 15160, 18 days surface mail (Calkin)

UN/Greenville, 15415, blue/white card in 12 d (Hedstrom) 6 days air (Estand)

WINB, Red Lion, Pa, 11795, card in 150 days w/full data. Mint stamps sent (Scoville)

WNYW, 15210, card in 10 days after 2nd report. Full data. No IRC (Scoville)

KGEI, card similar to FEBC only red, and has KGEI printed on front (Bull)

URUGUAY: R. El Espectador, pennant in blue/green, black, red and white, but no QSL, in 1 $\frac{1}{2}$ months (R. Murphy) card in 57 days seamail from Hector Amenqual, Pres. (Tuchscherer)

UZBEK SSR: Tashkent, card in 2 $\frac{1}{2}$ months, w/sked and notice of April contest (Bull)

VENEZUELA: R. Libertador, 3245, letter in 17 days airmail, in Spanish from Luis Raymundi President, w/p/card. Noted English prog 2230-0000 GMT nightly in letter (Dunn) Good! (GAC)

VIETNAM (N): Hanoi sent mag + propaganda + QSL letter w/full data (Anderson)

VIETNAM (S): Saigon, blue/white/black QSL for 9620 in 2 months by air (Haines)

YUGOSLAVIA: Belgrade, 9620, folding card w/foto of Rijeka in 33 days (Stenson) 75 days for 9620; 1-IRC sent; reply by airmail. (Glasberg)

ZAMBIA: Lusaka sent card from J. Allerton, C.E., by airmail in 21 days for 3346 (Hall)

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Radiodiffusion Télévision Tunisienne TUNIS 2019, Avenue de Paris - TUNIS 15 ^{ème} CONFÉRENCE (Tunisie) REGIONALE AFRICAIN The External Relations Department مصلحة العلاقات الخارجية	
Thank you very much for your reception report تشكركم على تقرير الاستماع	
It has been checked and found to be correct وتحيطكم علما بان الارشادات كانت صحيحة	
Date 14.9.62 Kc/s 6095 Freq. التاريخ	Name Gregg A. CALKIN الاسم
	Address 174 Waterloo Street العنوان
With our best wishes, we remain, yours sincerely. تقبلوا احر تشكراتنا	Country SAINT-JOHN (N.N) البلاد -CANADA-

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One of the rarer Arab stations is Radiodiffusion Télévision Tunisienne, broadcasting from Tunis, capital of Tunisia. Although more easily receivable in the last year, Tunis is still an excellent DX catch for North American DXers. The QSL, featured above, has remained essentially the same style since it was issued in 1962, and has on the reverse an attractive color photo of areas of interest in the country.

Sincere thanks to the following 53 members who made this QSL REPORT possible:

David Alpert, Ill.	Marlin Field, Mich.	Craig Koukol, Ill.	L. Scoville, N. Y.
Richard Anderson, Ill.	George Fisher, Col.	Kris Lemna, Ind.	Robert Shepherd, Aust.
Don Anthony, Conn.	Steven Fix, N. Y.	Mrs. M. Marshall, N.D.	Bob Shimko, Pa.
John Banta, New York	Irwin Glasberg, P.Q.	Bill Martin, Del.	Alvin Y. Sizer, Conn.
Tom Blossom, Indiana	Bruce Goldman, N. Y.	Wm. Matthews, Ohio	John T. Soneff, La.
Robert Briggs, Mass.	Bob Hagerman, Mich.	Richard Murphy, Texas	Bill Sparks, Calif.
Edward H. Bull, Col.	Bruce Haines, Col.	Bob Padula, Australia	Kim Stenson, Vt.
Robert Byers, Ontario	F. Earle Hall, Mass.	Andrew Pappas, Ill.	W.W. Sterling, Pa.
Dr. W.G. Caldwell, Cal.	John Hedstrom, Ill.	Carroll Patterson, Ga.	Jerry Stuart, Okla.
G. A. Calkin, Ontario	R. S. Heggs, B. C.	Frank Peters, Ill.	J. Tuchscherer, Wisc.
Cal Cornils, Calif.	James Hurst, Md.	George Rabone, N. Y.	Jack Vassollo, Mich.
David P. Dunn, Texas	Jim Jankowski, N. Y.	Alan Roth, Hawaii	David Volle, Ill.
Robert Estand, Texas	Chris Kennedy, Md.	Peter Rudolph, Calif.	Ed Lewis, Sask.
	Al Niblack, Ind.		

Next month we will feature our tri-monthly SCOREBOARD, when the spotlight will be on AFRICA. Deadline for December issue is November 10th. Until then, best 73s, GREGG.



LOG REPORT

DAN FERGUSON - EDITOR
P.O. BOX 8443
UNIV. OF MIAMI BRANCH
CORAL GABLES, FLA. 33124

Phone 305-284-5714

- * * * * *
- 2350 VENEZUELA R. Guárico, San Juan de los Morros, fair in Sp 0209(Potter)
 2409v HAITI R. Lumière, s/on French 1000; het 9 Oct(Berghammer)
 2510 S.KOREA Seoul, in Korean (?) 1320 w/good sig, some QRM (Cabral)
 2800 CHINA Fukien, fair signal 1325; QRN(Cabral)
3203-4 NIGERIA NBC, Ibadan, 13 Sept, 2108 w/native mx, pops, Eng anmts; very fine signal.(Henderson) From around 2100 now(Hall) English 0500(Berghammer)
 3215 DOMINICAN REPUBLIC R. Libertad, on this channel since November 1968; good sig 0205. (Williamson) Excellent s/on 1000 (Potter)
 3218 MOZAMBIQUE RCM, English ID 0200; ads aplenty! Poor modulation, s-8 lvl (Henderson) English music & talk 0215; poor (Cabral)
3225 LIBERIA ELWA, Eng ID & short news summary 2210; s/off w/anthem 2215; not quite as good a signal as Ibadan(Henderson) Almost daily around 2200 (Hall)
 3225 VENEZUELA R. Occidente, poor 0155 s/off w/anthem(Williamson) In Tovar, incorrectly listed latest WRTH as 3325, the station is on 3225 kHz(DF)
3255 LIBERIA ELBC, Monrovia, 2345 Eng mx; s/off 0045, 19 & 21 Sept(Field) From around 2230, but depends on how & when El Tigre starts coming thru(Hall)
 3255 VENEZUELA LV del Tigre, Spanish ID 0100 (Berghammer)
3260 NIGER R. Niamey, 2230 w/typical W.Afr mx, Fr ID(Henderson) To 2200 s/off(Hall)
3265 BRAZIL R. Tanandaré, Recife, mx pgm, ID 0400. Same address as R. Clube Pernambuco; hope QSL policy is not as bad. (Field)
 3265 GUYANA R. Demerara, ads 0150 (R.Anderson)
 3280 GRENADA WBS, local mx; Eng rel pgm; s/off 0215(Zamora) Good level 2303 (Potter) BBC mx 0015(Byers) Mx 0150 (R.Anderson)
3285 BRAZIL Emissora da Educacao Rural, Natal, sports 0200, 18 Sept(Field)
3295 BRAZIL R. Cultura de Seiguipé, Aracaju, sports 0200, 24 Sept (Field)
 3295 VENEZUELA R. Trujillo, strong 0205 when closing (Williamson)
 3300 BR.HONDURAS R. Belizo, Eng talks 0234 (Bull) 2316 (Potter)
3305 PAPUA R. Daru, weak sig 1104 w/QRM(Williamson) Mx pgm 1140; old Eng hits(Field)
3315 BRAZIL R. Gazeta de Alagoas, sports 0200 behind Martinique(Field)
3315 MARTINIQUE ORTF, fair 0145 in French(Cabral) Fr talk 0105 (R.Anderson)
3316 SIERRA LEONE RSL, daily to 2300, best 2230 & depends on the Martinique signal (Hall) Eng rel pgm 2130, world & local mx to 2217; bad het developed (Sizer)
3320 ECUADOR WRTH lists Ondas Quevedanas, 0630 late pgm w/ID 0630; didn't catch anything but "kes...Ecuador"(Field) Ondas Quevedanas has been on 3308 for many months & is still there. Who is this? (DF)
3322.5 BOUGAINVILLE IS R. Bougainville, mx pgm 1100; Eng vocals on some selections (Field) Often good 0930-1100(Potter) C & W mx 1135, Pidgin(Henderson) Pidgin Eng CW mx 1055. My first contact with the island since I served there 24 years ago. (Sizer)
 3325 VENEZUELA R. Monagas, 0330 noticias & ID(Sparks) LA mx 0250(Hiville-de Chêne) 0350-0400 s/off w/Sp(Soneff) Pops 0140(R.Anderson) Sp ID 0330(Brown)
 3330 CANADA CHU, Ottawa, Eng/Fr time sigs 0850; 1st time hrd here this fqy(Wood)
 3335 NEW GUINEA R. Wewak, 1015 mx pgm, with Eng selections included (Field)
3336 SENEGAL Ziguinchor, to s/off 2225(Hall) French 0700(Berghammer)
3339v DOM REP LV de la Romana, now here, closing 0339(DF) From 0200 w/Latin pops; weak modulation, off 0230(Williamson) 0206 Spanish, list 3355. (Potter)
3350 GHANA Ejura, in around 2100 now(Hall)
3355 VENEZUELA R. Valencia, ID thru QRN 0220, after many tries(Sizer)
3360 GUATEMALA LV de Nahualá, Sp 0130; mixed with a harmonic(Berghammer)

- 3365 DOM REP R.Exitos, classical music 0135 & 0330(R.Anderson) Sp 0230(Martin) Mx & Sp 0410, ID 0442(Hauser)0420 ID(Akins)0430(Henry) Piano mx 0325(Tuchscherer)
- 3366 GHANA Accra, fades in around 2100 now(Hall)
- 3380 MALAWI R.Malawi, 0400 Eng mx & ID; faded by 0420(Field) S/off too early during the week to be hrd here, yet. Has a midnight Mx Rendezvous pgm on Sat nites to 2310 s/off & anthem. Fine up here, hit 20/9 two weeks in a row (Hall)
- 3384 BRAZIL Rdif do Paraná, 0850 Portuguese ID (Berghammer)
- 3385 NEW BRITAIN R.Rata ul, English & local mx. 1055(Henry)
- 3385 VENEZUELA R. Barcelona, mx 0300 (Miville-de Chêne)
- 3390 ECUADOR R.Zaracay, good 0510 w/festival de la Cancion Nacional(Williamson) Spanish music w/anmts by YL 0610-0630 (Randall)
- 3395 VENEZUELA R. Universidad, 0305 LA mx (Miville-de Chêne) 0400(Berghammer)
- 3396 NIGERIA NBC, Kaduna, 2215 native mx, S-8 sig; local native lingo sounds like Arabic dialect(Henderson) From around 2100(Hall) Hausa 0430(Berghammer)
- 3570 ECUADOR LV del Rio Carrizal, very good in Spanish 0000 w/light music (Potter)
- 3383 CAPE VERDE IS R.Clube Cabo Verde, here amongst the hams w/booming signal on 13, 20, & 27 Sept w/easy copy. All Portuguese & nice listening mx after mx at 2215(Henderson) To anthem & s/off 2302; good when hams gone (Hall).
- 3905 NEW HEBRIDES R. Vila, 0638 tune w/mx, man in Fr; Eng or Pidgin mx 0700; off 0710(Dexter) Pidgin English 0645(Wood)
- 3925 JAPAN NSB, Japanese 0930 over Papua (Berghammer)
- 3945 JAPAN NSB, Japanese 0930, weaker than 3925(Berghammer)
- 3952.5 ENGLAND BBC, Eur Svc in Eng 2300-2330 (Potter)
- 3971 CAMEROON R. Buea, from 0453 w/Fr & some mx. WRTH SS says s/on now at 0430, instead of 0500(Dexter)
- 3980 W.GERMANY VOA, Munich, fair in English 2325 (Potter)
- 3986M NIGERIA VoN, Lagos, good w/mx, talking drums IS, ID by gal 2300, followed by 5 minutes of Eng mx, 20 Sept on a Saturday extended sked; off 2310A(Niblack) English news 2300, off 2307; excellent lvl, //1088, 4990(Potter)
- 3995 SOLOMON IS SIBS, weak w/island mx 0745; gets better later(Burnett)
- 4055 RSFSR(As) Petropavlovsk, Russian HS 1030 (Berghammer)
- 4485 RSFSR(As) Petropavlovsk, Russian 1100 (Berghammer)
- 4610 RSFSR(As) Khabarovsk, 1300, strong(Cabral) Russian HS 1100(Berghammer)
- 4725 BURMA BBS, Pgm II in Burmese s/on 1100 w/very pretty, exotic Burmese orchestral mx; Eng ID(Berghammer)(Henderson) YL in Burmese(?) 1315(Cabral)
- 4730 ECUADOR R El Progreso/R Nac. Progreso here w/mx & IDs from 0330 tune(Dexter)
- 4752v INDONESIA RRI, Makasar, Indonesian 1100 (Berghammer)
- 4755 COLOMBIA Caracol, or whatever it is, w/ID of sorts 0505(Hauser)
- 4770 INDONESIA(Java) Djakarta, late pgm 20 Sept; pops 1855, off 1900, strong(Padula)
- 4773 VENEZUELA R. Bolivar, baseball 0220(Dexter) 0130-0205 Sp mx, talk (Soneff)
- 4777 GABON R.Libreville, local W.Afr. mx; lang, Fr anmts 2120 - extended sked? - on 10 Oct; S-9 w/some noise(Henderson) Fr 2245; s/off 2300 Sat(Berghammer)
- 4780 VENEZ R Carabobo, LA mx 0045; about 5 IDs at 0110(Tuchscherer) Sp 0205(Soneff)
- 4790 COLOMBIA Ecos del Combeima, not R.Neiva, pops & IDs 0500(Sparks) Sp ID 0403 (Akins) LA mx & frequent IDs 0340-0420 t/o(Tuchscherer)
- 4790 MALAYSIA RM Penang, 2245 Malay mix YV; also, 1100 mix YV(Berghammer)
- 4795 ANGOLA R.Comercial, Port 2200; QRM Dom Rep(Berghammer)
- 4795 DOM REP Onda Musical, ID 0406; band mx, nitely (Tuchscherer)
- 4800 CONGO REP ORTF, Brazzaville, new freq, relay Paris Eng mx 1915; measured 20 Sept, up from listed 4795; strong(Padula) Relay Paris mx 1900; 15190 not hrd, so perhaps this is the 50 kw tx.(Sheperd)
- 4807 SAO TOME R.Clube Sao Tomé, Lisbon English 2200 (Berghammer)
- 4810 VENEZUELA R. Popular, 2300-2345 Sp (Soneff)
- 4815 UPPER VOLTA Ouagadougou, strong 2255 French news; s/off 2300 w/anthem(Koukol) French w/African mx 2140; good lvl (Sizer)
- 4820 ANGOLA R. Angola, good 2240 w/rel mx; 2300 s/off(Koukol)
- 4823 BRAZIL R. Clube de Varginha, from 0024 tune w/mx, IDS, off 0057(Dexter)

- 4823 ECUADOR Canal Manabita, was up as high as 4827 with "La Voz de la Noche"; fair
lvl; difficult to catch the ID. Now running past 0400; was s/off 0320(Dexter)
- 4834v MALI R.Mali, Afr lang under RTTY 2200(Berghammer) Native mx, fine lvl 0625
(Dexter) Fr, Eng pops 2240(Koukol) Afr mx, M & W in French 0630(Ferguson)
- 4840 VENEZUELA R Valera, 0130 full ID, Sp mx(Zamora) ID 0315 (R.Anderson)
- 4845v BRAZIL Rdif Teresina, Portuguese 0900 (Berghammer)
- 4845 HONDURAS R.Catolica-LV de San Isidro, from 0243 IDing as "R.Cultura"(Dexter)
IDs as R.San Isidro, even in middle of numbers(Sizer) I've noted both IDs(DF)
- 4850 MAURITANIA Rdiff Nationale de Mauritanie, Noukchott, Arab vocal 0705(Ferguson)
Fair 2212 w/Fr mx; 2230 s/off(Koukol) Arabic 2215(Berghammer)
- 4855 MOZAMBIQUE Radio Clube de Moçambique, English 0300 (Berghammer)
- 4856v BRAZIL Radiodifusora Raubate, Portuguese 2230 (Berghammer)
- 4860 VENEZ R Maracaibo, mx, ads, IDs from 0240, good lvl(Dexter)Sp 1000(Berghammer)
- 4865 AZORES Ponta Delgada, strong at 2307 s/cff w/Port anthem(Dexter)
- 4865 ECUADOR R. Cenit, Spanish 0300 (Berghammer)
- 4870 DAHOMEY Cotonou, exc 0622 w/talk by man(Dexter(Fr 2200 (Berghammer) 2144-2200
s/off w/drums & vocals; weak(Tuchscherer) Good w/Afr mx to 2300 s/off(Koukol)
- 4870 VENEZUELA R.Tropical back on this freq, many ads for same product around 0330
(Dexter) Sp 0235(Soneff) ID & ads 0345(R.Anderson)Sp & Eng mx 0420(Henry) Late
dance mx & ID 0600(Sparks) ID, US mx 0616(McCoy)
- 4871v INDONESIA(W.Irian) RRI, Sorong, Indonesian 1045; YV QFM(Berghammer)
- 4880 CONGO(DR) RTVNC, French 2200, QRM Venez(Berghammer)
- 4880 VENEZUELA R.Universo, Spanish ID, instrumental mx 0356(Lobdeil)
- 4881 DOM REP R.Comercial, good 0500 in Sp(Henry)
- 4885 RSFSR(As) Russian HS 1130; QTH?(Berghammer)
- 4890 PAFUA Port Moresby, BBC mx, cmtry, mx, 1215-1330(Marshall) English 1135(Henry)
- 4890 SENEGAL Dakar, fair 2205 w/French, African mx(Koukol) French 2220(Berghammer)
Man in African language 0545(Ferguson)
- 4890 VENEZUELA R.Dif. Venezuela, LA mx & IDs from 0020(Tuchscherer)
- 4895 BRAZIL R.Baré, mx & Port ID 0027(Tuchscherer) TC 0229 & ID(Hauser)
- 4895 S.AFRICA RSA, 0345-0400 Eng mx pgr(Marshall) Very weak 0510(Ingler)
- 4904 CHAD Fort Lamy, 2235 w/African music on a Saturday; fair(Potter)
- 4905 BRAZIL R. Relógio Federal, Portuguese 2200(Berghammer)
- 4905 CHINA R. Peking, Mandarin 2230, over Brazil(Berghammer)
- 4906 COLOMBIA Emisora Atlántico reactivated here & noted w/good lvl, tho quite a bit
of QRM from 0220 tune. Also 0430-0500 s/off(Dexter) Good 0200(Williamson) 0330
dance mx & ID; heavy RTTY QRM (Sparks) Letter just in (10 minutes ago) gives
address as "Apartado Aéreo No. 3136", Barranquilla, 10 kw, //1070 kHz(DF)
- 4910 I have a report for Uganda here at 2215 w/classical music. No mention made of
an ID, so I am asking for further checks. The time would be rather late for
Uganda.(DF)
- 4911 DOM REP R. HIN, Spanish 2200 (Berghammer)
- 4912 ECUADOR Emisora Gran Colombia, fair 0315; all talk(Dexter)
- 4912 GILBERT & ELLICE IS R. Tarawa, English comedy 0645(Wood)
- 4915 GHANA R Ghana, Eng rel pgr 2230 Mon(Byers) Mx: 2230, mx 2245(Stenson) Fade in
2100-2115, good by 2130(Potter) Eng 0600(Kling) Talk & cl mx 2140(D.Anderson)
- 4915 KENYA V. of Kenya, Swahili 0400(Berghammer)
- 4916 COLOMBIA R. Guatapuri, ID & anthem 0458 s/off (Behr) HJSG(DF)
- 4920 VENEZUELA R. Caracas, mx, ads & talks 0617; all night now?(Dexter) Think so(DF)
0231 "Extra noticias", then mx(Zamora) 0530 US pops, LA mx(McCoy) 0500 pop mx &
ID(Sparks) 0500 Sp IDs, ads, pops; strong (Hagerman)
- 4923 ECUADOR R. Quito, ID & s/off 0430(McCoy) LA & light mx 0420-0433 s/off with
Indian Love Call (Tuchscherer)
- 4926 EQ.GUINEA R. Ecuatorial, Spanish 2145 (Berghammer)
- 4930 DOM REP R. Mil, s/off 0506 w/anthem(D.Anderson) 2314 (R.Anderson)
- 4932 INDONESIA(Java) RRI, Surakarta, Indonesian mx 1400; pop mx & many IDs(Sparks)
- 4932 NIGERIA NBC, Benin, 2133 English; fair(Potter) Fair 2230 Eng w/Afr mx(Koukol)
Eng w/Afr mx, ID 2230(Sizer) Yoruba 2115 (Berghammer)

- 4939v ECUADOR R.Nacional, Spanish 0300(Berghammer)
- 4940 IVORY COAST Abidjan, excellent lvl w/mx & talk 0612(Dexter) Strong 2255 in French(Koukol) French talk 2220(R.Anderson)
- 4940 VENEZUELA R. Yaracuy good 0300 w/Sp ID(Martin)
- 4945 COLOMBIA R Colosal, 0530 full ID, mx, ads(D.Anderson) ID 0520(McCoy)
- 4950 SENEGAL Dakar, blues mx & pwrful lvl 0610(Dexter) French talk 0710(Wood) Drum IS 0558, s/on 0600 w/anthem; Fr & Afr mx(D.Anderson) Fr 2210(R.Anderson) Fr 0700 (Berghammer)
- 4955 COLOMBIA R.Nac. de Colombia, Sp ID & mx 0130(Stenson) 0500 end "Reloj del Mundo" SW relay pgm; pgm summary, local s/off only - no longer listing all RTVN stns - anthem shortened, too(Hauser)
- 4957 BRAZIL R.Cultura do Campos, PRF7, 0027 sports, occasional ID(Dexter)
- 4957 BRAZIL R. Marajoara, Port ID 0900 (Berghammer)
- 4960 CHINA R.Peking, Japanese 1030(Berghammer)
- 4960 VENEZUELA R. Sucre, 2358 LA mx, frequent IDs(Tuchscherer) Sp 0115 (Soneff)
- 4965 COLOMBIA R. Santa Fé, excellent most nights around 0600(Burnett) Sp mx 0500 (McCoy) LA mx 0445, ID 0455 (Tuchscherer)
- 4970 VENEZUELA R. Rumbos, 0147 pop mx; "R.Rumbos numero uno"(Zamora) ID 0459(Hauser)
- 4972 CAMEROON R.Yaounde, Fr 2130(Berghammer) 2217 pops, off 2230 w/anthem(Koukol)
- 4980 GHANA Ejura, 2250 Eng rel pgm to 2300 s/off(Koukol) From 2203 w/old US pops; rel talk 2235; mx 2245(Tuchscherer) Rel pgm 2230(R.Anderson)
- 4980 VENEZUELA Ecos del Torbes, Sp, mx, TC 0350(Lobdell) LA mx 0400(McCoy)
- 4990 NIGERIA NBC, Lagos, 2030 Eng; fadein now this time(Berghammer)
- 4990 VENEZUELA R.Barquisimeto, Sp ID 1004(Lobdell) Sp songs & IDs 0020-past 0200 (Henry, Koukol, Brown, Soneff, Stenson)
- 4994 SUDAN Omdurman, 2135 with usual excellent signals; Arabic/desert mx featured (Henderson) Omdurman ID 2135(Sizer) Arabic 2145(Berghammer)
- 4995 BRAZIL R.Brasil Central, Portuguese 0210, poor(Henry) Port 2311(R.Anderson) S/on Port 0800 (Berghammer)
- 5010 CAMEROON R.Garoua, 27 Sept w/usual strong sig, local mx; Hausa lang, I believe. N.Afr desert mx similar to that hrd on R.Tchad & R.Niamey was hrd(Henderson) French 2130; DR QRM(Berghammer)
- 5010 DOM REP R.Cristal, classical mx 0550-0610 s/off(Tuchscherer)
- 5010 SINGAPORE FBS, English 1100; mix YV(Berghammer) Bocono?(DF)
- 5012 RHODESIA RBC, English 2145 - Saturday has a later s/off(Berghammer)
- 5015 GRENADA WBS, 2255 sports & BBC mx; fair lvl(Stenson) 2325(Miville-de Chêne) BBC mx 2308; fair(Koukol)Eng mx 2350(R.Anderson) Eng pops, mx, 2318(Hagerman) S/off 2359(Randall) Fade in 2130 now (Berghammer)
- 5020 COLOMBIA Transmisora Caldas, 0545 Sp talk(D.Anderson) 0730 TC & ID(Burnett) RCN pgmng 0230(Brown) English ID 0700(Berghammer)
- 5030 VENEZUELA R.Continente, IDs & "R.Continente" song 0155(Martin)
- 5035 CENTRAL AFR REP Bangui, 2210 Afr mx; s/off 2230 after anthem(Koukol) Nightly at 0435, very weak(Tuchscherer) French 2130, fluttery(Berghammer)
- 5040 BURMA BBS, Pgm I in Burmese from 1100, not // 4725(Berghammer, Henderson, Sizer) English by woman 1445 w/nx; very good(Cabral)
- 5040 VENEZUELA R. Maturin, Spanish ID 0330 (Berghammer)
- 5041 PORT GUINEA Emissora Provincial, Portuguese 2200(Berghammer)
- 5042.5 ANGOLA R.Clube de Benguela, CR6RF, 10 October in clear at 2115 w/mood music program. Lots of guitar music; Portuguese announcements. (Henderson)
- 5045 BRAZIL R. Quitandinha, Portuguese 2334, good(R.Anderson)
- 5047 TOGO Lomé, French mx: 2200, local quality by 2300(R.Anderson) Fr & light mx 2245 (Koukol) French 2230(Brown) African mx 0548; talk 0600(Tuchscherer)
- 5050 PERU R. Loreto, LA mx: 0445; ID 0455(Tuchscherer)
- 5055 ECUADOR A station noted on irregular sked, or else conditions varying considerably; definitely Ecuadorian w/s/off0300A. Gives Ecuador as QTH, but can not savvy the balance of ID. I suppose this could be listed as Radio CRT, Centro Radiofonica de Imbabura, 220 watts. Will try more checks. (Nblack)

- 5059 SINGAPORE R.Singapore, 9 Sept, orchestral items 1055; nominally 5052.5, still moving(Padula) 5052, English 1115(Berghammer)
- 5070 GUATEMALA Radiodifusora Popol Vuh again noted on a Friday - EST - from 2350 with rel pgm & talks in a lang that could be Quiché; some Spanish, also. Fridays only, and you gotta wait till the utility stn is gone; at least in my area(DF)
- 5076 CHINA R.Peking, 2230 Mandarin; het de Colombia -1(Berghammer)
- 5095 COLOMBIA R.Sutatenza, BBC transcribed program 0200(R.Anderson)
- 5113v ECUADOR R.Centinelas del Sur, Sp ID 0130(Berghammer)
- 5160 CHINA R.Peking, 1045 Mandarin to Taiwan(Berghammer)
- 5180v PERU R.Atlantida, Spanish ID 0200 (Berghammer)
- 5804+ YEMEN Sanaa, good lvl 0315 Arabic ID, easy copy. How QSL?(Henderson) 0300 s/on w/anthem, Huna San'a ID, then Arabic mx; fades by 0330(Koukol) 0330; how QSL? (Hall) S/on 0300, peak 0315, fade by 0330(Sizer)
- 5910 RSFSR(Eur) Moskva R, 0350 Russ; TS 0400; Moscow tx for pgm I listed(Hauser)
- 5925 UZBEK SSR Tashkent hrd first time in Maryland since 1966; in Uzbek at 0130 when RTTY stn was off for first time in years, 4 Oct. RTTY back 5 Oct(Henderson) 5920A, light mx, time pips 0200; YL anc; QRN & SSB; lang? Hrd 4 Oct only. (Tuchscherer)
- 5930 CZECHOSLOVA KIA Prague, English 0100(Berghammer)
- 5942-5950 COLOMBIA Some say the Colombian here is R.Horizonte & I thought so, too. However, consider the following from Glenn Hauser: 5942 Identity uncertain, but 0300, 10 October, Horizonte IDs in net pgm "La Opinión--noticiero independiente", //5970; 0337 R.Horizonte-540 ID NOT //5970. So, this one needs further checks. I think I hrd LV del Tolima mentioned in a net stn rundown, but am not sure. (Thanks to: Behr, Sparks, Williamson, Hauser, R.Anderson, Niblack, Dexter)
- 5954 COSTA RICA R.Casino, pop mx & Eng from 0500 (Behr)
- 5955 GUATEMALA TGNA, s/off Eng & Sp 0432; good(Burnett) Eng 0300(Harrington)
- 5960 ECUADOR HCJB, Norwegian Sunda 0530; Norea Radio; 12 October(Calkin)
- 5965 MOROCCO VOA, Tangier, s/on anmts in Eng 0239; Lang pgm(Byers) Make that 0230.
- 5970 PERU R.El Sol, talks, mx, TC 0430; fair(Burnett) 0500 ID & mx(Tuchscherer)
- 5972.5 S.KOREA KBS, Secul, Korean mx 1200 - beware Peking in Kor. on 5975(Wood)
- 5975 BRAZIL R.Guaruja, 2319-0008 LA mx, mx, IDs; BBC IS covers 0007(Tuchscherer)
- 5980 EL SALVADOR YSS, Eng & Fr IDs 0230; hi-pwr; later found putting the blast on Honduras in Eng(Niblack) Anmts 0239(Bull) 0107 noticias, ID & talk(Zamora) Sp & mx 0430(Burnett) Nx 0441(Lobdell) Eng ID 0332(McCoy) Sp/Eng 0300(Scoville) March mx, talks, mx, PSAs 0410(Hauser) PSA is public Sve anmt?(DF)
- 5980 GUYANA R.Demerara, feature on Ghandi, Indian mx, ID 0900(Burnett) Eng from 0915 to fade around 1015(Martin)
- 5985 PORTUGAL RFE, Lisbon-2, 250 kw, //7115, also Lisbon & 250 kw; Hungarian 0400 (Behr) Note: The sked given in WRTH SS is incorrect & never was correct on this frequency. (DF)
- 5988 INDONESIA(C & H) RRI, Menado, local ID, Djakarta news realy 1200(Wood)
- 5990 CYPRUS BBC EMR, Hungarian 2200-2245(Berghammer)
- 5990 SWEDEN R. Sweden, Eng to NA 0030-0100, then Swedish; good sig on this new fqy. (Byers) Back on this fqy; 0030 Eng to NA(Michalenka) 0000-0230 to NA, probably all winter; from 1 October (Berghammer)
- 6000 SAUDIARABIA SRTV, 2100 Arabic, mix USSR (Berghammer)
- 6005 BOLIVIA R.Progreso, s/off w/English announcement 0500(Fisher)
- 6005 CANADA CFCX, easy listening mx 0710(Wood)
- 6007 COSTA RICA R.Reloj, Sp ID 0310; strong(McCoy) Also anncs as Radio Cadena Nacional Costa Rica, on this fqy 0330, 23 Sept(Sparks) 0430 Sp requests(Hagerman) 0105 mx, ID 0132, distorted; checked here after noted on 24027(Hauser)
- 6020 NETH ANT R.Ned., Dutch 2300, Sp 0030-0150 to SA(Behr, McCoy, Miville-de Chêne)
- 6025 PORTUGAL R.Port, Eng to NA 0400(McCoy) Good mx 0100-0200(Miville-de Chêne)
- 6030 CANADA CFVP, Calgary, fair 1345 w/weather report(Koukol)
- 6030 COLOMBIA R.Tel. Nac. Col., Bogotá, Sp mx 0445; 0500 s/off(Wood) 0115 LA mx; many IDs around 0130(Tuchscherer)
- 6035 IRAQ Baghdad, 2110-2200 French, //6095(Berghammer)

- 6035 RSFSR(As) Vladivostok, Russian HS 1000 (Berghammer)
- 6040 W.GERMANY D.Welle, English 0130-0230 to ECNA; HJ QRM(Berghammer)
- 6043 GREECE FBS, Greek 0430; LA QRM (Berghammer)
- 6045 PANAMA LV del Barú, frequent IDs enable identification thru QRM at 1050(Sizer)
- 6045 PERU R.Santa Rosa, mx 0200; much QRM(Williamson) 0200(Fisher)
- 6055 COLOMBIA R.Pacifico, many IDs, fiesta mx around 0600-7000(Padula)
- 6055v COSTA RICA R.Reloj, here 10 Oct, Sp ID 0430(Berghammer)
- 6055v ZAMBIA ZBCS, 0400 local language(Berghammer)
- 6050 CANADA CBC, begin No. Svc 0058 w/mx(Miville-de Chêne) No.Svc. mx 0700-0712 s/off(Shepherd)
- 6070 CANADA CFRX, 0104 mx, ad, weather rpt, "Starlight Serenade"(Zamora)
- 6075 COLOMBIA R.Sutatenza, good lvl 0400 w/full ID(Dexter) Mx 0300(R.Anderson) Spanish talks 0950(Martin)
- 6075 W.GERMANY D.Welle, Eng to WNA 0435-0555, //6145, 9545; good(Rowell) German to Europe 0800(Berghammer)
- 6082 PERU R.Nac. del Peru, Sp, mx 0440-0500(Marshall) ID & Sp mx 0330(Martin)
- 6090 AUSTRALIA ABC, Sydney, Eng mx 0800(Behr) ABC mx 1130(Scoville)
- 6090 LUXEMBOURG R.Luxembourg, one Sunday 0145-0200 s/off w/English(Martin)
- 6090 MEXICO R.Mante, XECMT, chime IS 0059(McCoy) 0145-0200 s/off(Soneff)
- 6095 CHINA Peking, 0300-0315, 9 Oct(Kirsch)
- 6095 COLOMBIA LV del Centro, mx & ID to 0402 s/off; QRM Peru(Behr)
- 6095 IRAQ Baghdad, 2020 w/lang switch from Eng to German(Martin)
- 6095 PERU OAX4H, "R.Nacional-1080", Sp political speech 0300, 6 Oct, //6081, 9562; own pgm from 0420, & ID "R.Nac.-1080"(Behr) 0305 talk by 'presidente'; R.Nac. IDs(Tuchscherer)
- 6096.5 SOMALI REP Mogadishu, Eng ID, Eng mx 1730(Wood) I can find a carrier when Yemen is coming thru good on 5804 around 0300; have not been able to identify any programming yet, but it is likely Somali.(DF)
- 6100 VENEZUELA (via ASWLC) The time signal station heard here for some months has been identified as "Observatorio Naval de Cagical", in Venezuela. This fits, since the time announced is GMT - 4 hours. Also, David Potter reports hearing the station at 1158, far too late for propagation from Portugal.
- 6100 YUGOSLAVIA R. Belgrade, English news 2200-2215 (Tuchscherer)
- 6103 INDONESIA(Java) V. of Indonesia, Djakarta, Eng ID 1130(Wood) Arabic chants 1310, //9585(Fisher)
- 6105 BRAZIL R. Clube Ceara, 0250 mx; ads, IDs, strong(Tuchscherer)
- 6110 NETH ANT TWR, Port 0800, clear(Behr)
- 6115 MEXICO R.Univ. de Sonora, s/cff 0154 abruptly w/mx, short ID; strong(Burnett)
- 6115 PERU R.Union, 0206 LA & pop mx; very good sig; M & W annrs(Tuchscherer)
- 6120 MEXICO XETS, Tapachula, charros 1210(Wood) ?(DF)
- 6123.5 PERU R.La Crónica, 0602 inaccurate TC, ID for MW 1320 kHz(Hauser)
- 6125 BELGIUM RTB, English to NA 0055(Randall)
- 6130 GHANA Accra, strong lvl 2200 w/Eng mx by man(Niblack) Old Eng pops - real old! Not //4915; at 2120(D.Anderson)
- 6135 S.Korea KBS, Seoul, new freq, ann relay HLKA, Korean mx 0800(Wood)
- 6140 MEXICO R. Universidad, concert mx & ID 0530, 4 October(Sparks)
- 6140 SPAIN RNE, 0200-0245 Eng to NA, ex 6130(Berghammer)
- 6144 BIAFRA VoB, good 2212 w/Eng cmtry on war(Koukol) Eng talk 2340(R.Anderson) Eng mx & talks 2230(Martin) Native mx; Eng annrs 0540; ID & mx 0600(Hauser)
- 6150 AUSTRALIA ABC, Melbourne, jazz 1117; fair(Scoville)
- 6155 JAPAN FEN, Tokyo, Eng 0740 for US forces; good(Rowell)
- 6160 CANADA CKZN, Newfoundland, has come out of the mess mornings 0900-1200, thanks to the slot filter (Hall)
- 6160 CANADA CKZU, Vancouver, B.C., Eng rel pgm 0300(Heggs)
- 6160 COLOMBIA Emisora Nueva Granada, Spanish speech 0120(Miville-de Chêne) RCN ID & "Batman" theme 0930; info on RCN night svc (R.Anderson)
- 6162 ZAMBIA ZBS, English 0330; HJ QRM(Berghammer)
- 6165 BRAZIL R. Cultura, 0038 ID, drama; 'Dorian Gray' pgm(Tuchscherer)

- 6165 S.VIETNAM VTVN, Saigon, Vietnamese news 1200(Wood)
 6170 PHILIPPINES PBS, 1158 good lvl w/mx(Potter) Eng mx: 1110, fair(Scoville) S/off English 1500(Cabral)
 6170 VENEZUELA R. Nacional de Venezuela, Spanish news 0350(McCoy)
 6175 BRAZIL R. Guarani, music 0800 (R.Anderson)
 6175 FRANCE ORTF, list fqys in French, s/off 0700(Wood) S/off 0730(Randall)
 6180 GUATEMALA LV de Guatemala, 0415 Sp over BBC(McCoy)
 6184 BRAZIL R. Bandeirantes, Portuguese 0930(Berghammer)
 6185 W.GERMANY D.Welle, German 0400-0610 s/off, //6100, new fqy(Behr)
 6190 RSFSR(As) Petropavlovsk, Russian HS 1000 (Berghammer)
 6190 VATICAN VR, Portuguese 2115 to Europe (Berghammer)
 6195 COLOMBIA LV de Cali, HJEZ, Sp ID & mx: 0430; clear(Behr) 0435 Sp, past 0500; good(Burnett) Spanish 0830(Berghammer)
 6195 TUNISIA RTV Tunisienne, good but under BBC 2140 in Arabic(Sizer)
 6250 PERU R. Cuzco, Cuzco music & talk from 0300 tune (Dexter)
 6541 N.KOREA Pyongyang, 2200-2300 Mandarin to SEA(Berghammer)
 6610v CHINA R.Peking, Russian 2230-2330, jammed(Berghammer)
 7066 ALBANIA R.Tirana, French 0500-0527; fair(Rowell)
 7105 SYRIA Damascus, s/on 0300 w/National Hymn & into Arabic chants; good ID as "Huna Damask" (Henderson)
 7108v THAILAND Thai RTV, Thai 1100; pwr up? (Berghammer)
 7115 THAILAND Thai NES, Thai 1100 (Berghammer)
 7118 INDONESIA(Bali) RRI, Denpasar, 1055 w/local mx: & anmts in Indon; fair(Henderson)
 7120 ALBANIA R.Peking relay, English commentary 0304(Akins)
 7120 ENGLAND BBC, London, Bulgarian 0445(Behr) Is London, according to BBC skeds(DF)
 7140 INDONESIA(C&M) RRI, Ambon, US records 1100; Indonesian ID(Henderson)
 7140 CYPRUS BBC, Eng mx: 0200, //9625, 9650, 11720, 11955(Potter)
 7140 USSR R.Riga, relaying Moscow HS; morning wakeup exercises 0315; "Govorit Moskva" 0315; easy copy under BBC(Henderson)
 7150 W.GERMANY D.Welle, Swahili 0315, ex 7245 (Berghammer)
 7155 FRANCE ORTF, Eng mx: 0516; Fr 0530; reports wanted for this fqy(Tuchscherer)
 7155 MALAGASY REP RMI, 0315 Malagasy under R.Liberty; 10 October(Berghammer)
 7170 NEW CALEDONIA R. Noumea, French & mx: 0710; fair(Rowell)
 7190 DAHOMEY Rdiff du Dahomey, s/off 2300 French, anthem(Berghammer)
 7200 SUDAN Omdurman, strong 0400 w/anthem, time pips, Arab ID, then usual format QRM VOA(Koukol)
 7200 YUGOSLAVIA Belgrade, English 2213 under BBC(Potter)
 7210 ENGLAND BBC, s/on French 0430, good(Burnett)
 7210 NETHERLANDS R.Ned., new fqy, Durch to S.Eur s/on 0800; fair lvl; //11785, also new & beamed to Africa(Padula)
 7210 SWITZERLAND ICRC, 2300 test tx in Fr/Eng/Sp, 22, 24, 26 Sept(Nichalenka)
 7215 BRUNEI R. Brunei, Tutong, 1320, good signal(Cabral)
 7215 INDIA AIR, Delhi, Indian duet 1115(Wood)
 7215 S.AFRICA R.RSA, English service 0445 w/exercise pgm(Burnett)
 7220 AUSTRALIA RA, Indonesian ID 1030(Randall)
 7225 RWANDA DW, Kigali, 0316 Swahili, //7150 - W.Germany(Berghammer)
 7230 JAPAN JKH, Tokyo, Japanese 0720(Rowell)
 7245 AUSTRIA OR, mx: 0535; ham QRM(Rowell) 0458 IS; knocked out by noise 0500(Soneff)
 7260 S.AFRICA R.Suid Afrika, Afrikaans 0430; English listed(Behr)
 7265 W.GERMANY Sudwestfunk, German 0000; late Sat s/off(Berghammer)
 7270 DODECANEZE IS VOA, Rhodes, Eng ID 2200 & into Greek (Tuchscherer)
 7270 S.AFRICA R.RSA, s/on lang 0400(R.Anderson) 0423 mx & cmtry in Eng(Estand)
 7275 ITALY RAI, Rome, 0432 English news, IS 0440; QRM DW(Soneff)
 7295 MALAYSIA(Malaya) R.Malaysia, Penang, drift from 7300, Eng anmts 1125(Wood)
 7300 ALBANIA Tirana; talks 0435; fair(Burnett) S/on 0530, seems Polish(Rowell)
 7305v BIAFRA R.Biafra, 0430 IS, Eng ID 0436; Eng mx: 0533; aunc "Emugu" - they don't know it was lost 2 years ago(Behr) 21502230 s/off w/Eng mx: & pop mx: CQRM & low modulation lvl(Henderson) 0500-0528 Eng cmtry, mx; noisy tx(Rowell)

- 7325 ENGLAND BBC, Arab mx: 0415; very good (Akins)
- 7345 CZECH Prague, 0150 w/female ancr reading new sked of pgms & fqys(Zamora)
- 9009 ISRAEL Kol Israel, 2100 Fr, good(Byers) Russ 0400-0415; good, //9625(Rowell)
- 9457 EGYPT Cairo, English to NA 0230(Kling)
- 9500 RSFSR(As) Magadan, loud 0700 w/regional programming(Burnett)
- 9505 DOM REP HISD, Eng 0145 (Heggs)
- 9505 JAPAN NHK, good w/Gen Svc s/on 0800(R.Anderson) Eng mx: 0705(Randall)
- 9520 DENMARK R.Denmark, good 0145 w/Eng to NA(Heggs)
- 9520 N.ZEALAND RNZ, end Eng to Antarctica 0845(Wood)Fr: 1135-1145 s/off(Scoville)
- 9532.5 PERU R.Nacional, Tacna, Sp news 0300(Wood)
- 9535 INDIA AIR, Delhi, booming sig w/Eng mx: 1230; easy copy(Henderson)
- 9535 SWITZERLAND SBC, English 0130(Kling)
- 9540 AUSTRALIA Radio Australia, Mandarin 1430-1500 (Berghammer)
- 9540 CZECHOSLOVAKIA Prague, Eng 0100(Kling) 0300 Eng to NA(Wood)
- 9540 NEW ZEALAND RNZ, fair 0600 Eng to Pac Is; 21st anniv. pgm (Heggs)
- 9545 GHANA R.Ghana, Eng mx, interview, rel mx: 2045-2115(Marshall) Eng 2130(Fisher)
- 9545 MEXICO XEFT, Vera Cruz, often good 0035(R.Anderson)
- 9550 NORWAY R.Norway, Norwegian 0350; good(Henry) 0300-0430 Nor., //9645(Berghammer)
- 9553 EL SALVADOR YSS, Sp 0200, ID, cmtry, poor(Heggs) Eng/Fr IDs 0205, into Sp(Potter)
0255 IDs & Eng/Sp/Fr annts(Henry) Sp 0145(Soneff) Special Columbus day narrative
& orchestra mx: 0259-0314, 13 Oct(Rugg)
- 9560 EGYPT Cairo, fair 0130 w/Eng ID & request for reports (Heggs)
- 9565 RWANDA D. Welle, Eng ID & mx 0452(Akins)
- 9580 PHILIPPINES V. of Philippines, Manila, on former VOA tx - 50 kw - w/US pops
1215, after RA s/cff(Berghammer)
- 9585 INDONESIA(Java) Djakarta, Arabic 1330(Potter)
- 9590 CHILE R.Pres. Balmaceda, fair daily w/LA mx & short talks; 2340(Burnett)
- 9590 NETH ANT R.Ned., Sp to LA 0130; good(Heggs)
- 9608v BRAZIL R. Tamoio, Portuguese 2130, futebol(Berghammer)
- 9610 AUSTRALIA ABC, Perth, ABC mx 1130 (Scoville)
- 9610 ETHIOPIA V. of Ethiopia, Addis Ababa, s/on nightly 0330, preceded by that very
exotic IS, then ID in lang by man, into beautiful & mystic native music. Runs
near S-9 lvl, a new fqy in use. Good till 0415 checks. (Niblack)
- 9615 MOROCCO RTVM, Rabat, Arabic s/on , anthem, 0600(Wood)
- 9615 VATICAN VR, NF, Eng 0950-0100; Fr 0110, //11725(Calkin, Niblack, Soneff)
- 9620 FRANCE ORTF, French to Pacific Islands 0650; good(Rowell)
- 9620 YUGOSLAVIA Belgrade, exc lvl in Eng 2200-2215 daily(Allen, Calkin)
- 9625 ISRAEL Kol Israel, Eng 2040; fair, but QRM from Cairo(D.Anderson)
- 9630 EGYPT Cairo, Arabic 2000; mostly music (D.Anderson)
- 9635 COLOMBIA R.Nacional, 1130 w/Sp; El Progrseo Campesino(Michalenka)
- 9645 COSTA RICA TIFC, 0300 Eng rel pgm(Martin)
- 9655 ECUADOR HCJB, new fqy, begin Russ 0830, to 0900(Padula) Japanese 1130-1200,
//11735(Berghammer, Potter)
- 9655 PERU R. Nor-Peruana, Chachapoyas, folk music 0300(Wood)
- 9660 AUSTRALIA ABC, Brisbane, mx 1100; poor(Scoville)
- 9665 MONACO TWR, Eng 0830 Sundays (Berghammer)
- 9685 ALGERIA RTVA, 2100 Kabyl net(D.Anderson) Lang by M & W 0634-0700(Estand)
- 9689 ARGENTINA LRA, aprtial correction of drift, but not to nominal 9690; Eng to NA
0300(Wood) 9689.2, Port ID 0100, IS & Sp pgm(Hauser) Eng 0650(Randall)
- 9690 RWANDA D. Welle, s/on 0545 English, thru BEC Europe (Padula)
- 9700 BULGARIA Sofia, Sp mx to SA 0415(Bruns) Eng mx: 0400(Kling) Bulgarian 0100(Behr)
RS Rodina 0100-0130(Soneff)
- 9705 PORTUGAL RFE, IS 0355, ID 0356, //9725; Polish & 100 kw(Hauser)
- 9710 SWEDEN R.Sweden, Eng to NA 0030-0100(Niles) Now moved to 5990 kHz(DF)
- 9715 ECUADOR HCJB, Russian 0430, Rumanian 0500, QRMing R.Nederland 15 Sept. Moved
to 9710 at 0530(Behr)
- 9715 NETH ANT R.Ned., Dutch to NZ 0630-0750(Rowell) Eng 0200(Harrington)
- 9720 BRAZIL R. Nacional, 0100 fair; QRM de RSA(Byers)

- 9730 BRAZIL R. Farrroupilha, Portuguese 2130 in the clear(Berghammer)
 9730 E.GERMANY RBI, 0100 anniversary bcast 7 Oct to NA(Michalenka)
 9735 W.GERMA NY D. Welle, s/on English 0130(Harrington)
 9740 EGYPT Cairo, s/off Eng to Europe 2300; into Arabic (Potter)
 9745 ECUADOR HCJB, English 0200(Allen)
 9753 CHILE R. Minería, good 0230 w/world nx, ads, pops(R.Anderson). 0050 cmtry "5 minutes con Raúl González Alfaro"; sponsored by Banco del Estado(Hauser)
 9770 AUSTRIA OR, IS 2355, into language w/IDs(Burnett)
 9770 HAITI R. 4VEH, Eng rel pgm 1215; fair to poor(Byers)Eng rel pgm 1100(Scoville)
 9787 ALBANIA Tirana, relay Peking, Eng to NA 0300, drift from 9780(Wood)
 9912M INDIA AIR, closing Eng & s/off 2230, YL ancr(Niblack) Eng to Eur 2100; news (Eyers) English 2015(Fisher)
 9913M RYUKYU IS VUNC, NF, ex 9340, Korean songs, amts 1110(Padula)
 9976 CLANDESTINE Yemeni Royalist Radio (one assumes; rptd here other times of the day) Arabic 0415 w/mx & vocals(Ferguson)Easy Arab copy 0410. Any address for possible QSL?(Henderson)
- 10650 MONGOLIA Ulan Bator, 1304 woman talking; fair signal, 7 Oct(Cabral)
 11350 N.KOREA Pyongyang, Korean home svc 2327, flutter(Potter)
 11655A EGYPT Cairo, Arabic 0220, poor lvl (D.Anderson)
 11672 W.PAKISTAN Karachi, Eng to SEA 0045; good (Potter)
 11697 CLANDESTINE R.Peyk-e-Iran, tentative, lang 1700(Potter)
 11705 JAPAN NHK, Mandarin 1300-1330(Berghammer)
 11705 SWEDEN R.Sweden, Eng 0330; SCDX(Harrington) Eng nx 0330(Randall)
 11710 AUSTRALIA RA, s/on 0645 to Eur(Burnett) Mx & nx to UK 0740(Randall)
 11710 CONGO REP ORTF, end Eng nx 1929, Congo listed; NF this svc?(Ferguson)
 11710 INDIA AIR, English news & cmtry 2300; poor(Heggs)
 11715 BELGIUM RTB, Eng nx 0050; poor(Heggs) IS 2314 (R.Anderson)
 11715 PHILIPPINES VCA, Tinang, Eng to SEA 1245(Sizer)
 17715 SWITZ SBC, IS 0125; Eng to NA 0130(Estand)
 11718 MEXICO R. Mexico, XEPMX, 1230 multi-lingual ID(Berghammer) From 0115, past 0315 with IDs in English, Spanish, French, German, Portuguese; nice mx; partly relays MW XEB(1220 kHz); Mexican music; requesting reports(Dexter, Wood, McCoy, Behr, Sparks, R.Anderson, Hauser, Hagerman)
- 11725M EGYPT Cairo, test to NA, asked for reports, in Eng & Arabic from 0135 tuning (Niblack)
 11725 VATICAN VR, 0110 IS, Fr amts on new fgy; exc lvl(Niblack) 0050-0105 English // 9615, 15285(Berghammer)
 11730 NETH ANT R.Ned., Bonaire, classical mx 0230(Bull) English to NZ 0630-0750 (Rowell) English 0200(Estand)
 11743v W.PAKISTAN R.Pak., Karachi, 1845-1930 Turkish/Eng, //15359v(Berghammer)
 11735 ECUADOR HCJB, NF, Sp mx: 0930, also hrd 0400(Padula)
 11740 AUSTRALIA RA, Indonesian to 1500; Eng nx to 1515(Marshall)
 11740 VATICAN VR, English 2045, good lvl (D.Anderson)
 11745 FRANCE ORTF, new fgy, Russian & mx 1845(Behr)
 11760 CUBA RHC, Spanish 0323, M & W(Bull)
 11760 VATICAN VR, Arabic 1905-1920, //15255(Berghammer)
 11765 RWANDA D.Welle, German 1800-2010 s/off, new fgy(Behr)
 11765 SWEDEN R. Sweden, NF, s/on Russian to Asia 0830, strong; ex 11965(Padula)
 11770 NIGERIA VoN, ID, TC by YL, in Eng 0645, feature pgm; ex 21455(Padula) Eng patriotic talks 0615; strong, but lousy modulation(Burnett) Eng nx 0600, ex 21455; also, not hrd lately on 15365, what is new 19 m channel?(Sheperd)
- 11775 NETH ANT TVR, English DX pgm 0335(Bruns)
 11780 ARGENTINA RAE, Sp 0130(McCoy)
 11782v MOZAMBIQUE RCM, Eng 0430(Berghammer) Fair 0400 w/Port & Eng IDs, TC as "6:00", into Eng pop mx(Koukol)
 11783 LEBANON Beirut, Arabic chants 1410, fair(Fisher)
 11785 AUSTRIA OR, s/on 1555 w/IS, German 1600 (Potter)
 11785 NETHERLANDS R.Ned., NF, s/on 0800 Dutch to N.Afr; well hrd(Padula)

- 11795 BRAZIL R.Nacional, Rio, Portuguese & music 2230(Behr)
- 11800 CANARY IS RNE, fine lvl 1956 w/IS, QRM Rome same fqy; Where is ITU?(Niblack)
Poor 0230 w/Sp ID; classical mx: 0245(Heggs)
- 11800 CEYLON R. Ceylon, Indian film music 1240(Wood) Hindi ID 1700(Fisher) Tamil
program 1105(Sizer)
- 11800 ITALY Rome, new fqy, English 1955, QRM(Niblack)
- 11805 BRAZIL R. Globo, talks 2330, good(Burnett) Futebol 0100(Fisher)
- 11805 FINLAND OYA, 2000-2100 Finnish to Europe, //9550, 15185(Berghammer)
- 11810 ALGERIA RTVA, Arabic chants 2150 (Fisher)
- 11815 MALAYSIA BBC FES, 2355 WS IS before Warsaw (Berghammer)
- 11820 NETH ANT TWR, Bonaire, 0120 s/off Eng to FE(McCoy)
- 11825 TAHITI R.Tahiti, 0347 island mx, ID 0400, t/o 0433; best ever hrd(Tuchscherer)
- 11830v NEW ZEALAND RNZ, 0900-1145 Eng to Australia, //9520, ex 6080(Berghammer)
- 11835 ALGERIA RTVA, French ID, chansons 0630(Wood)
- 11835 SUDAN Omdurman, definite ID 0445 in Arabic, 11 Sept; new fqy(Niblack)
- 11835 URUGUAY El Espectador, Spanish ID & news 0230 (Behr)
- 11840 E.GERMANY RBI, s/off after German to WNA 0500(Wood)
- 11850 GHANA R.Ghana, Eng to NA 2000, fair(D.Anderson) Poor in English to 2100 s/off
(Heggs) English 2015, //9760 (Stenson)
- 11850 INDIA AIR, Delhi, Hindi mx 0200; English mx 0245-0300, //15300(Berghammer,
Wood)
- 11850 VATICAN Vatican Radio, Spanish 0000, on 11725 at 0030(Behr) 0000-0015 to LA
in Spanish (Berghammer)
- 11855 CUBA RHC, ex 11960, at 0200(R.Anderson) Lang?(DF)
- 11855 ETHIOPIA ETLF, good 0300 s/on & into French (R.Anderson)
- 11855 JAPAN NHK, new fqy, begin English to Europe 2030(Padula)
- 11855 SAUDI ARABIA Jeddah, English w/light mx & ID 1730; good(Lobdell) Eng 1930
w/light mx & mx 1945; French 2000; fine lvl(D.Anderson) Eng 1700; jamming
started 1731, just as mx started(Nichalenka) English 1830, similar format to
Kuwait(Berghammer)
- 11857v ALBANIA R.Tirana, English 1400-1430 (Berghammer)
- 11860 NORWAY R.Norway, 2300-0030 Norwegian (Berghammer)
- 11860 TAIWAN VOFC, 0950-1020 Japanese (Berghammer)
- 11865 SWITZERLAND SEC, English 2015; an old time fqy back in use(Nilack)
- 11866 CONGO(DR) Lubumbashi, French talks 2100; QRM (Burnett)
- 11875 AUSTRIA OR, new fqy, ex 11870; IDs 1300, mixed with Nicaragua(Padula)
- 11875 NETH ANT TWR, test 21 Sept, 0400-0415, Eng annts, rel mx, want rpts(Behr,
Heggs, Padula) An unintelligent choice of fqy, even for a test(DF)
- 11875 NICARAGUA R. Nac., 1740 Sp mx, fading(D.Anderson) 0400 mx & talks to 0605
s/off(Burnett) 0305 ID & fqy(McCoy) French lesson 0140(R.Anderson)
- 11875 S.AFRICA R.RSA, Eng 0130, //9705, 9715(D.Anderson)
- 11880 MEXICO R. Dif. Comerciales, Sp mx 0055(McCoy)
- 11887v BRAZIL R.Hua, drifting high 14 Sept, Portuguese 0030(Berghammer)
- 11890 ETHIOPIA ETLF, s/on 0529 w/multi-lingual ID, serenade mx, before mx(Calkin)
- 11900 S.AFRICA R.RSA, Eng to Afr 0500, QRM USSR(Burnett) S/off Eng 2150(Randall)
- 11905 W.GERMANY D.Welle, s/on Hausa 0525 (Randall)
- 11904 INDONESIA R.Angkatan Udara, Indonesian 1030 (Berghammer)
- 11905v THAILAND NBS, s/on w/chimes, IDs, clock striking 2300, into Home Svc. Drifts
badly, at times on 11915(Padula)
- 11905 USSR Radiostantsiya Tikhii Okean weak in Russian 1505(Potter)
- 11907v THAILAND TNBS, Thai songs 1115, moving around(Berghammer)
- 11910 SWEDEN R. Sweden, new fqy, s/on English 2245 to Far East; poor level(Padula)
Swedish 2345 to Far East (Berghammer)
- 11916v BRAZIL RTV Gaucha, Portuguese 2330 (Berghammer)
- 11920 IVORY COAST Abidjan, good 0630 w/French talks & music(Burnett) English
lesson Monday at 2215 (Fisher)
- 11920 PHILIPPINES FEBC, Japanese, organ mx 1440-1500 (Marshall) End Eng rel pgm
1345; then rel mx; //15300(Calkin)S/off Eng 1400(R.Anderson) 1154(Sizer)

- 11920 RWANDA D.Welle, good 1515 in Swahili to East Africa (Potter)
- 11925 UZBEK SSR Tashkent, English 1200-1230, //9600(Berghammer, Byers, Brown, /
- 11935 PORTUGAL R. Portugal, 1815-1945 Eng to Afr(Berghammer) /Randall)
- 11945 CANADA CBC, Eng 2300-2330, ex 11720 (Berghammer)
- 11949.5 S.VIETNAM VTVN, Saigon, Vietnamese nx 1900 (Wood)
- 11950 LIBERIA ELWA, Eng 1930 Sunday w/rel pgm; BBC nx 2000(Byers) S/on 0600 English (Burnett)
- 11955 EGYPT Cairo, English pops, ID, announced to Europe; 2230(Niblack)
- 11955 MALAYSIA(Malaya) BBC FES, Burmese 1345-1415 (Berghammer)
- 11955 USA KGEI, Sp & Eng from 0302; was on 11740 in Sept (Behr)
- 11965 PHILIPPINES VOA-Tinang, sked here. Philippine outlet hrd 1629-1700 s/off with oriental music, man & woman annrs (Dexter)
- 11965 FRANCE ORTF, recent NF, French variety, 0220, //15135, etc(Padula)
- 11970 CUBA RHC, new fqy, Spanish 1930; VOA QRM (Berghammer)
- 11970 GRENADA WIBS, BBC nx, mx, cmtry(Marshall) 0030(Stenson)
- 11975 GRENADA WIBS, Eng 0100; short stories (Heggs)
- 11990 CZECHOSLOVAKIA Prague, English 0135; good (Kling)
- 11996 GRENADA WIBS, Eng 0100; BBC nx 0200; off 0223(Behr) 1 Oct(Calkin) 0159 rel pgm 8 Oct, only 1 nite(Hauser) Eng 0100 (Berghammer)
- 12040 USSR Vladivostok with Moscow English to ANZ 1105(Henry)
- 13220 VENEZUELA R.Euzkadi, 2250 M&W talk in Spanish & Basq, bits of music; anncd daily as 9:30, 10:30, and 11:30 pm on 23(?) & 19 mb; address is B.P. 59, Paris XVIeme; anthem 2304 & off 2306 (Hauser)
- 14460v RYUKYU IS VUNC, Okinawa, Korean 1300; SSB QRM(Berghammer)
- 15012v N.VIETNAM Hanoi, noted 1508, 1930, 2350 in Asian lang(Potter) 1410(Fisher) Vietnamese 15:45, English 2000(Rowell)
- 15040 CLANDESTINE R.Euzkadi, Sp 2235, 5 Oct; on 15080 on 3 Oct(Fisher)
- 15060 CHINA Peking to 0255 w/Eng, & pgm titles as long as their pgms(Dexter) 0137-0155 Eng(Patterson) New lang., Albanian, 2000(Wood)
- 15090 LIBERIA ELWA, exc sig 2230 s/off after pgm to W.Africa(R.Anderson)
- 15095 CHINA Peking, English 1245-1300 (Kling)
- 15095 LIBERIA ELWA, pwrful lvl in Arabic w/ID 2130(Dexter) Arabic 2200-2230, Eng ID 2230(Stenson) Arabic 2100-2227 s/off; varies to 2232(Behr) Lang talk, mx, IDs 2200-2230 s/off(Tuchscherer) Arabic 1930 (Sizer)
- 15105 AUSTRALIA RA, NF, DXers Calling 0430(Wood) Eng 0330-0500(Padula)
- 15105 BRAZIL R.Rural Brasileira, good lvl, mostly talk; 2135(Lexter) Modulation problems 2330 s/off; sig on & off(Burnett) "Rural Brasileira, a Emissora do Ruralismo" 2310 w/mx, talks for campesinos(Hauser) 15104v, Port 0900(/ (Berghammer)
- 15105 JAPAN NHK, Eng ID 0315; good(Akins) Eng 0200, exc(Calkin)
- 15110 MEXICO XERH, 2145 w/mx & good sig(Burnett) LA mx 2115 (McCoy)
- 15115A SAUDI ARABIA Jeddah, 1938-2017 Arabic talk & music (Patterson)
- 15120 FRANCE ORTF, s/on French 1900; good(Fisher)
- 15135 EGYPT Cairo, language 2000; Iran not hrd(R.Anderson)
- 15135 IRAN R Iran, Engnx, modern mx 2000-2030(Marshall) Persian news 0930(Wood) Good 2000 w/Eng nx & mx(Heggs) Persian from 1500, Russian 1730; new sked(Behr) 2000 English(Fisher) Persian 1530(Rowell) Eng 2000(Harrington)
- 15140 RSFSR(As) Moscow Spanish to LA 0221 (Patterson)
- 15145 BRAZIL R.Jornal do Comercio, mx & ID 0156-0215(Patterson) 0158 Ben Gay ad & ID (McCoy) Good 0200 (Brown)
- 15145 PORTUGAL RFE, Polish ID 2000; fair (R.Anderson)
- 15150 IRAN R, Iran, 1730 fair w/lang ID & s/en(Heggs)
- 15150 SAUDI ARABIA Jeddah, Arab mx & talk 0330-0420(Patterson) Arabic chants 0340 (Fisher) Arab 1535; lullaby 2125; s/off 2145(Rowell)
- 15153.5 SAUDI ARABIA Jeddah, Arabic 1600, varying from 15150 (Behr)
- 15150 USSR Minsk, Moscow Eng to NA 0145 (Patterson)
- 15154A BRAZIL R.Dif. São Paulo, 0000 Port ID(Hagerman) Port & Eng pops 0158 (Patterson)
- 15155 CUBA RHC, new fqy, Spanish ID 0002(Hagerman)

- 15156 NIGERIA V.of Nigeria, new fqy, Eng ID & talk 0605(Wood) Richard, is this fqy correct? Or should it be 15165? No mention made of a drift, so that I'd ask(DF)
- 15160 AUSTRALIA RA, well hrd in Eng 0545, //15240(Calkin)Island mx 0500(Scoville)
- 15160 TURKEY Ankara, Eng 2200, poor(Kling) IS 0350, Turkish 0355; new sked(Behr) Chants 0430(Fisher)
- 15165 BRAZIL Ceara Radio Clube, Fortaleza, 0320-0400 s/off w/Portuguese; mentioned Fortaleza; Brazilian & NA pops(Patterson)
- 15165 DENMARK R.Denmark, Eng to Africa 1915(Wood) Eng 1300-1315(Kling) DX Window 1445 Monday(Fisher) The English and Spanish programs are scheduled to be dropped, effective 1 April 1970.(DEWCI via DF)
- 15165 SEYCHELLES On October 11 the Ottawa Britannia Receiving Station of the CBC logged a stn on this fqy identifying as in Seychelles 6 requesting reports to Box 234, Victoria; from before 0200 to 0330A -fade in/fade out times. (CBC receiving stn, via Gregg Calkin) See also, 21460(DF)
- 15169.5 LEBANON Beirut, NF, Eng to NA 0230; terrible het w/RA(Padula) Eng 0230 (Calkin)Eng to NA 0230-0300; good(Byers) Arabic 0300; Spanish 0330-0359 s/off (Behr) French 0130, English 0230 (Harrington)
- 15170 AUSTRALIA RA, NF, to NA 0100-0300, trans-Antarctic beam, //new 17775 which replaces 17840, //21740(Wood) Eng to NA 0200(R.Anderson) 0100-0300 Eng to NA, ex 15320, //17775, 21740(Berghammer)
- 15170 ETHIOPIA ETLF, 0438-0456 w/repeated multi-lingual IDs(Patterson, Wood)
- 15175 NORWAY R.Norway, Norwegian 1730; good on a Sunday(Burnett)
- 15175 S.AFRICA R.RSA, NF, s/off 2056 after Dutch(Padula) Port 2115, good(Niblack) Dutch 2000, Port 2100-2150 s/off(Behr) Dutch to Eur 2000-2050(Berghammer)
- 15185 FINLAND FBC, 1515 Finnish HS; External Svc 1630; Eng 1800-1830(Rowell)
- 15185 FRANCE ORTF, Eng mx & press review 1915-1930(Marshall)
- 15185 KUWAIT R.Kuwait, Eng to Eur, also back on 17750, both at 0530 w/Eng mx. Tis certainly a job keeping track of this station's moves(Sheperd)
- 15190 CANADA CBC, English 2200; excellent(Kling)
- 15190 CONGO REP ORTF, English 1915-1930, poor lvl(D.Anderson)
- 15190 W.GERMANY D.Welle, Mandarin 1150-1250 (Berghammer)
- 15220 NETH ANT R.Ned., strong w/Fr Svc to W.Afr 2040; all over RA(Padula)
- 15235M INDIA AIR, English news 0100; fair to good on this new fqy(Niblack)
- 15240 AUSTRALIA RA, mailbag pgm 0535 in English(Scoville)
- 15240M W.PAKISTAN R.Pak., opens 1945 on this recently new fqy, after several minutes of IS, ID in Eng by gal. Anned to UK, into old US pops(Niblack) Strong in Eng 1950(Potter)
- 15245 W.GERMANY DW, "Newsfeed" to NA 1900, new fqy, //17705, 11795(R.Anderson)
- 15245 MOROCCO UN Radio, Tangier, Eng mx 1803; new fqy(Hagerman) Eng 1825, Thur(Sizer)
- 15245 USA KGEI, English & Spanish 0317-0333(Patterson)
- 15246A CONGO(DR) R.Kinshasa, 1925 French ID, native mx; the Port clandestine pgm "A Voz de Angola Livre"(Hagerman)
- 15260 CYPRUS CBC, IS, Greek ID, then RHC QRM 1900(Hagerman)
- 15264 AFGHANISTAN Kabul; Ger ID by gal 1730 after anthem; brilliant S-9 lvl - no pain, no strain, on a Sunday check(Niblack)
- 15273v URUGUAY SODRE, Sp 2300, pops(Berghammer) Sp 0215; old US pops in Sp(Potter)
- 15275 W.GERMANY D.Welle, mx to Australia 2102(R.Anderson)
- 15280 N.ZEALAND RNZ; Eng ID & pops 0330, very good(Akins)Eng to Pac 0330(Berghammer)
- 15285 GHANA R.Ghana; Eng ID 1831(Hagerman)
- 15285 LEBANON Beirut; s/on Eng 0230 to NA(Heggs) Now on 15170(DF)
- 15285 VATICAN R.Vatican; Eng to NA 0050(Wood) French to NA 0110(Randall)
- 15290v SYRIA Damascus; morning prayer 0310(Fisher)Arabic to LA 2300(Berghammer)
- 15295 NETH ANT TWR; begin Fr to SA 2200, ex 15300(now used by Cuba); switches to 15305 at 2215 for Sp; poor, due QRM from Berne(Padula, Sheperd)
- 15309v GUINEA REP Conakry; French 1530(Berghammer)
- 15315 SWEDEN R.Sweden; English 1400 (Stenson)
- 15320 AUSTRALIA RA, English to E. Africa 0455 (Kling)

- 15320 NETH ANT R. Nederland; Sp nx & mx 2300-0020 s/off(Behr)
- 15335 BRAZIL R. Farrroupilha, sports 0030; fair(McCoy)
- 15345 ARGENTINA R. Nacional; first time hrd this fqy in 10 years! ID 2005, symphony concert to 2028, then ID as "Transmite LRA Radio Nacional de Buenos Aires, Republica de Argentina". More IDs, concert mx; 20 Sept. Is this regularly hrd in NA on this channel?(Padula) More often than every 10 years(DF)
- 15345 KUWAIT R. Kuwait, Eng 1730, news(Byers) 1845 pops in Eng pgming(Scoville) Eng. nx & weather. 1730, 27 Sept only(Fisher) Eng nx & wx 1730; mx 1750(Behr) Good w/Eng pops 1805(Koukol) Eng pops 1700, good(Martin) ID, nx 1730; strong (Hagerman)
- 15345 PHILIPPINES VOA, Poro, Eng editorial opinion 1800(Sizer)
- 15345 SWEDEN R. Sweden, English nx 1400, fair(Kling)
- 15350 LEBANON Beirut; 1828 IS, Eng ID 1830; YL errcr, interview in Eng(Tuchscherer)
- 15350 S.AFRICA R. RSA, French 1900; //17795, 21480 (Behr)
- 15360 S.AFRICA R. RSA, Portuguese 2000, Eng 2100-2150 s/off (Behr)
- 15365 NIGERIA R. Nigeria, IS, Fr ID 1330 (Hagerman)
- 15371v BRAZIL R. Tupi, 2300 Portuguese, futebol(Berghammer)
- 15372v W.PAKISTAN R. Pakistan, Islamabad, Eng nx 0210(Berghammer)
- 15385 AUSTRIA OR, NF, begin German to Asia 1200, ex 15325; fair(Padula) End German to East Asia & s/off 1400 (Sheperd)
- 15385 CHINA Peking, Eng to WCNA 0400, //15095(Wood)
- 15394i PORTUGAL Lisbon noted w/ID 2205 in Port; seemingly a new fqy(Niblack)
- 15396v SYRIA Damascus; Arabic mx 2230, //17865, ex 15165 (Berghammer)
- 15400 ASCENSION IS BBC, s/on 1745(D.Anderson) Local ID in Eng 1700 s/on(Hagerman)
- 15400 ETHIOPIA ETLF; s/on Arabic 0430(Harrington) Note: I have reports for Iraq in Arabic around 1440-1500. This is likely ETLF, sked 1430-1555 in Arabic(DF)
- 15415 BRAZIL R. Clube Ribeirao, Portuguese ID 0100; fair(Brown)
- 15415 ECUADOR HCJB; new fqy, Dutch 2100-2130; powerful(Padula) Dutch 2100-2130 (Berghammer)
- 15433v S.KOREA Seoul; here w/Korean 0230, Eng 0300-0330; good(Calkin) Spanish 0230-0300 (Berghammer)
- 15435 ENGLAND BBC, s/on European languages 1645; QRM DW & Tanzania(Rowell)
- 15435 RWANDA DW, English 1808 (Hagerman)
- 15438v BRAZIL R. Nac. Brasilia, drifted here 22 Sept; Port 1100(Berghammer)
- 15440 PHILIPPINES FEBC, fair in Asian lang 0026(Potter)
- 15445 BRAZIL R. Nac. de Brasil, poor in Port 2330(Fisher) 0300(R.Anderson) Port ammts & mx around 0030(Brown)
- 15445 CONGO REP ORTF, Brazzaville, 0529 end Eng mx, begin "Patricia in Paris" (Hauser)
- 15509 CLANDESTINE R. España Indep.(?) just before s/off at 1731; fair lvl in Sp (Dexter)
- 15520 E.PAKISTAN Dacca, here to s/off 0300(Calkin) 15522, weak 0200(Fisher) 0127 local mx (Hagerman)
- 15520 N.KOREA Pyongyang excellent after Dacca s/off 0300; Eng from Fyongyang sked to end 0300; Japanese to 0400. Odd that two sure rare stations should QRM each other out of band(Calkin)
- 16320 N.KOREA Pyongyang, 0010 YL in Korean; Sp 0100 to LA (Michalenka)
- 17220 CHINA Chungkwo Hsinwen KT, 0220 mx; YL ID, dictation; off soon after(Hauser)
- 17630 CHINA R. Peking, English 0300, //17670(Behr)
- 17640 CHINA R. Peking, Russian 0300, //17845(Behr)
- 17655 EGYPT Cairo, African language 1720; RTTY QRM(Rowell)
- 17675 EGYPT Cairo, Arabic 1715(Rowell)
- 17705 PAKISTAN R. Pakistan, IS & Pak. lang 0330-0445; QTE?(Behr)
- 17715 AUSTRALIA RA, Eng 2100-2300 to E. Asia; flutter (Berghammer)
- 17720 TAIWAN VOFC, Eng cmtry 0300(Akins) Eng nx, cmtry, mx 0200-0230(Marshall) Eng 0220, excellent(Calkin) Eng to 0350 s/off, //17750, 17890(Behr)
- 17750 KUWAIT R. Kuwait, back here, s/on 0400 Eng; jammed from 0430(Padula)

- 17770 ITALY RAI, Rome, s/on Italian 1700; fair(Rowell) It to SA 2230-0100(Berghammer)
- 17775 AUSTRALIA RA, Eng mx, mx 0200-0300(Marshall) New fqy, begin Eng to NA 0100 (Padula) Eng to NA 0100; fair (Heggs) Eng to NA 0100-0300(Berghammer)
- 17775 NORWAY R. Norway, s/on English 1400; poor (Randall)
- 17780 ECUADOR HCJB, new fqy, Sp 2130, //15415(Padula) Eng 1930, German 2000, Swedish 2030, //15415(Behr) Dutch 2100-2130, //15415 (Berghammer)
- 17785 JAPAN NHK, English 2300-2330, Magazine of the air(Marshall)
- 17795 BELGIUM RTB, French 0530, new sked(Behr)
- 17795 NORWAY R. Norway, new fqy, s/on 2100 Norwegian, //17825(Padula) Norwegian 2130-2230 s/off(Behr) S/on 2100(Shepard)
- 17800 RWANDA D.Welle, s/on German to SA 2300; good(Padula) German 2300-0110 s/off, //11925(Behr) Ger 2320; election speech(Sheperd) Ger to SA 2300-0110 (Berghammer)
- 17800 W.GERMANY D. Welle, new fqy, s/on 1120 Japanese; strong(Padula)
- 17800M VATICAN Vatican Radio, French 0020, ex 17810 (Padula)
- 17810v LEBANON Beirut, Portuguese 2300, ex 17820v(Berghammer)
- 17810 NETH ANT R.Ned., Eng mx, mx 1830-1900(Marshall) Afrikaans 1630, dutch 2000, Spanish 2130(Behr) Dutch by Radio for Spanish listeners 2125(Sheperd) French 1850-1950(Berghammer)
- 17818v TURKEY Ankara, Persian 1345-1415 (Berghammer)
- 17825 JAPAN NHK, Eng to NA 0000, //15445(Sterling) Eng 0040(Randall) Eng 0200(Heggs)
- 17825 SWEDEN R. Sweden, NF, begin French to Asia 0545, ex 17840; fair(Padula)
- 17850 FRANCE ORTF, s/on French 1500; excellent level (Fisher)
- 17860 BELGIUM RTB, Dutch news 0700 (Wood)
- 17875 CYPRUS Cyprus BC, still testing Sunday to 1600 s/off; good signals 21 Sept. (Calkin)
- 17880 AUSTRIA OR, IS 1658; QRMed out at 1700(Rowell)
- 17880 ECUADOR HCJB, English 1430-1500, mx & sermon (Marshall)
- 17880 JAPAN NHK, English 0300, Japanese 0315; under Petropavlovsk(Behr)
- 17880 MALAYSIA BBC FES, Radio Newsreel 0019(Potter) World Service under USSR carrier 0000-0030; USSR/SFE s/on 0030(Berghammer)
- 17880 USSR Moscow Spanish to SA 0130 (Sizer)
- 17890 TAIWAN BED40, with the band open, noted well at 0200 s/on English(Niblack)
- 17920 EGYPT Cairo, weak 1400 (Ingler)
- 17945 W.PAKISTAN Karachi; weak, but readable in English 1340-1350(Ingler) S/on slow news 1335 in English (R.Anderson)
- 18080 ENGLAND BBC, Persian Svc 1615-1700(Berghammer) To Iran/Afghanistan according to BBC skeds.
- 18082 USSR Two different Russian programs & stations QRMing each other from 1500; AM, rot SSB(Behr)
- 19030 MEXICO XEWW, 2 x 9515 also hrd, 2250(Hauser)
- 21460 SEYCHELLES FEBA Seychelles, test; first hrd 8 October 1900-2000 s/off in Eng & asking for reports(Martin) English 1830-2000; reports to P.O. Box 234, Victoria(Macken) See also 15165. I've checked 21460 here afternoons, but found the fqy blocked by HCJB. Do we have any earlier loggings of this one? If so, why didn't you report it? Congratulations to Mike Macken and Bill Martin on logging this one.(DF)
- 21485 CZECHOSLOVAKIA Prague, English to ANZ 0700, //21700(Wood)
- 21495 NETHERLANDS R. Nederland, Eng to W.Australia & SEA 0930(Sheperd)
- 21495 PORTUGAL Lisbon, opening 2130 in Portuguese, beautiful 1000 mv signal(Niblack)
- 21500 CONGO REP ORTF, Brazzaville, 1300-1400 French to Far East (Berghammer)
- 21520 SWITZERLAND SBC, end Eng to India 1412; poor(Randall)
- 21535 S.AFRICA R. RSA, s/on German 1800(R.Anderson)
- 21540 SWITZERLAND SBC, English to Africa 1815-1915, //15180, ex 17795, from 7 Sept. (Berghammer)
- 21550 ENGLAND BBC, English to Africa 2000; good (Akins)
- 21560 VATICAN Vatican Radio, English to SEA 1521-1530 s/off(Estand)

- 21570 NETH ANT R. Nederland, Eng to Afr 1830-1950, Happy Station Pgm Sunday (R.Anderson, Behrm Rowell, Tuchscherer)
- 21575 NETHERLANDS R.Nederland, end French to W.Afr 2125; new pgm(Padula) French to W.Afr 2000-2120, //15220 Bonaire, 11730(Berghammer)
- 21580 CONGO REP ORTF, Eng 1915 (R.Anderson)
- 21590 W.PAKISTAN R. Pakistan, Karachi, Indonesian news 0900 (Wood)
- 21600 E.GERMANY RBI, 1815-1900 English to Africa (Berghammer)
- 21600 KUWAIT R.Kuwait, 0900 w/Arabic, mixed w/Moscow; ex 21590 mixed Pakistan (Sheperd)
- 21620 FRANCE ORTF, Fr mx 0700, //21580, 17850, 17730, 17720, 15295, 15135, 11845, 9620, and 9585(!) (Wood)
- 21625 USA WNYW, hit parade 1810; Sp & Eng ads, pop mx 2140(D.Anderson, Padula) English to 2215 s/off (Potter)
- 21640 JAPAN NHK, English cmtry, weather, news, Japanese folk songs 0145 s/off (Marshall) To NA s/on 0100; English 0130(Byers)
- 21690 GRENADA WEBS, pops & TCs from 2040 tune; request pgm(Niblack) Request pgm 2045(Miville-de Chêne) Mx request pgm 2115, fades rapidly; think 2130 s/off (Sheperd) Request pgm 2115, fair(R.Anderson)
- 21700 PORTUGAL R.Portugal, Portuguese 1245 (Randall)
- 21705 W.GERMANY D.Welle, 1315 German to Indonesia (Potter)
- 21720 GHANA R Ghana, Ejura, English to Africa 1545 s/off(Akins)
- 21730 PORTUGAL Lisbon, 1705 w/ID, then sports, in Portuguese. New fqy?(Niblack)
- 21740 AUSTRALIA RA, Eng to NA 0100(Sterling) Eng 0100, fair(Byers) Eng 0200(Kirish)
- 21740 PHILIPPINES R.Veritas, NF, special test in Eng & Italian 25 Spet, 0700-0730; to Vatican for transmitter check; powerful level(Padula)
- 21745 BELGIUM RTE, new fqy, s/on 1000, Dutch to 1030, then French, //17860; seems to replace 21510 this time period(Padula) Mx 1400; Flemish sports 1435-1700 s/off, Sunday only. Previous Sunday was in French(Behr) French ID 1030, poor lvl(Sheperd) 1330-1630 Sunday, French & Flemish sports(Berghammer)
- 23645 URUGUAY Station believed to be R.Oriental relayed by PTP CXL at Cerrito at 2358. Very emotional nrcast about terrorist activity until cutoff 0022(Hauser)
- 23660 RYUKYU IS VOA, Okinawa, 2x11830 not hrd, Chinese 2310; unid mx on 23650(Hauser)
- 23670 URUGUAY El Espectador, 2x11835 not hrd, weak w/nx, ID 0001, 8 Oct(Hauser)
- 23800 USSR Sverdlovsk listed 11900 (x2), Mayak, 1655 western pop mx, 1700 TS & IS; still in at 1745(Hauser)
- 24027 COSTA RICA R. Reloj, 4x6007, ID 2129; distorted(Hauser)
- 24082 PERU R.Victoria, 4x6020.5, TC & ID 2337(Hauser)
- 24220 COSTA RICA R.Reloj, 1450 Oct 4, 4x6055; ID & TC 1500(Hauser)
- 26095 USA VOA, Dixon, new fqy, Chinese 2200, well hrd(Padula)
- 26150 W.GERMANY VOA fixed, Ismaring, 1710 reduced carrier SSB; Hungarian feeds to Washington; mx fill 1720(Hauser)
- 30310 CUBA RHC, 2x15155 also hrd, Brazil QRM on fund., distorted here, 2328(Hauser)
- 30380 CANADA CBC, 2x15190, Eng to US 2301 (Hauser)
- 30460 CUBA RHC, 2x15230, in Guarani around 2240; 22 Sept & 6 Oct(Hauser)
- 30670 BRAZIL 2103 RGS mentioned, only R.Farroupilha, 2x15335, fits(Hauser)
- 30830 USA VOA, Gvl, 2244 w/UN Radio classical mx fill; off 2245; 2x15415(Hauser)
- ? IDENTIFIED ?
- 3340 (October) - RSA QRMing the Ecuadorian here from 0600, 28 Sept(Field)

UNIDENTIFIED

- 3375 Fr around 2200 daily(Hall) 4826 JA, weak & QRMed 0330(Dexter)
- 3375 Definite ID for R.Sutatenza, Bogotá, 0115; utility stn a few minutes later(Ferguson) 5126 Port spkr here very strong as early as 2300 tune; s/off 0100. NOT Brazil, s/off w/ A Portuguesa; no positive IDs hrd. Think I hrd "R.Clube..." mentioned. I note gong IS, perhaps guitar. Tnx Al Niblack, who says is Angla. Maybe also a move for Port Guinea? (Dexter)
- 3385 Fr spkr aro und 2200(Hall)
- 3600//3535, daliy at 0830-1000(Hall)
- 4730 RCN de Colombia ID 0230; to about 0400, 14 & 15 Oct(Ferguson)

6185A Arab spkr 2130; Syria-20kw listed
(Sizer)

6398 Assume clandestine, 2200 Bengali-
like lang; Peking likely QTH(Berghammer)

11785A Arabic spkr w/mx 2030-2115 BBC s/
on(D.Anderson)

11780 At least 2 stns here; stronger with
classical mx 1630(Potter)

TENTATIVE LOGGLINGS, all but the first from
Bill Berghammer.

4904 CHAD, 2235 Sat w/Afr mx(Potter)

4085 Ulan Bator, a lng 1030.

4501 Think Urumchi, 1100 in Russ, jammed

4806v-RRI, Djakarta, lang 1145

4822v-Hanoi, lang 1145

4831v-THAILAND, TNBS, 1145 lang

4845-R.Malaysia, Malaysia, lang 1130

4935-ANGOLA, RC de Malanje, lang 2135; too
early, too low for Brazil.

4985- Malaysia under RTTY 1130

4986v-ANGOLA, R.Eclesia, lang 2130; RTTY

4990v-FERU, R.Atlanta, Sp 0400 under YV

5003v-ANGOLA, RC do Moxico, lang 2145

5046v-RRI, Jogjakarta, lang 1115

5050-R.Tanzania, lang 0330; het Loreto

5054-Ulan Bator, MONGOLIA, lang 1115

11950-PHILIPPINES V.of Philippines, new
outlet, seems //9580; US mx 1215

Credit goes to a fine list of reporters;

Ronald S.Akins, Missouri, DX-150

Stephen Allen, Mass., Star Roamer

Doug Anderson, Fla., WR-600

Rich. Anderson, Ill., HQ-200

Ernest Behr, Ontario, R-530

Bill Berghammer, NY, R-4A, HQ-180

Kevin Brown, Mich.,

Ron Bruns, Missouri, Aiwa

Edward H. Bull, Colorado,

Robert Byers, Ontario, GR-64

Stanley F. Cabral, Calif., R-530

Gregg A. Calkin, Ontario, SW-4A

Gerry L. Dexter, Wis., HQ-180 & R-4B

Bob Estand, Texas, DX-150

Dan Ferguson, Fla., SB-310

Marlin A. Field, Mich., Sx-100

George H. Fisher, Colorado, SW-4A

Bob Hagerman, Mich., Star Roamer

Dr. F. Earle Hall, Mass., HQ-180A

Rob Harrington, Colorado, DX-150

Glenn Hauser, Colorado, HQ-160

Dick Heggs, Br. Columbia, SB-310, GR-54

Dan Henderson, Maryland, HQ-180AC

Thomas Henry, NY, GR-54

Homer Ingler, Fla.,

Howard W. Hirsch, NY,

Al Kling, Missouri,

Craig Koukol, Ill., SX-130

Chris Lobdell, Mass., SW-4A

Mike Macken, Mass., SX-100

Mrs. M. Marshall, N. Dakota, SX-122

Bill Martin, Delaware, NC-183

Mauri McCoy, Tenn., DX-150

Henry Michalenka, R.I., GR-54

Alain Miville-de Chêne, Quebec, GR-54

Al Niblack, Indiana, SX-100 II

Richard Niles, N.J.,

Bob Padula, Australia, CR-100

Carroll R.Patterson, Ga.,

David Potter, Fla., S-40B

Harrison Randall, Mass., Philco

Sam Rowell, Wash., DX-150

Andrew F. Rugg, Quebec, AR88-D

Lawrence Scoville, NY,

Robert A. Sheperd, Australia,

Al Sizer, Conn., DX-150

John T. Soneff, Jr., La., HQ-180

Bill Sparks, Calif., R-4B

Kim Stenson, Vermont, Zenith, Scott

Wendell Sterling, Pa., SX-62A

John D. Tichscherer, Wis., HQ-100A

Dr. Tom Williamson, Ontario, HQ-180

Richard Wood, Hawaii, R-530

Larry Zamora, Texas, HQ-200

*Tom Farnett, Calif., SX-110

Two more unidentified loggings that got
lost earlier:

15425 Arabic songs, mx 1430(Fisher)

17702 Oriental in Cantonese 1200, not
Peking(Berghammer)

Can anyone give me any reason to believe
the schedules for USSR transmitters which
appear in the WRTH SS are correct? They
are easily shown to be incomplete; just
tune 19 meters some day. I can find no
reason to think any schedule, or list, is
correct, unless that list comes direct
from the USSR authorities. I don't predict
this will happen any time soon.

The notation introduced last month will
not be used unless it will save space.
There are times when a little bit of such
notation will save a few lines; something
useful when there are several hundred lines
of tips to print.

From Ernie Behr: 17365, Sept, should be
17875 for R.Liberty. 17865, Sept, yes
2200-0555 is correct time; but only hrd
15 June. APK is, or was Karachi's call;
AFD for Dacca; don't know if still in use,
I used them to save space.(Yeah, I should
have remembered that. Thanks for correc-
tions. They are always welcome, 'cause I
do make mistakes. DF) Please state rcvr
make & model number when reporting; 73, DF.

* * * * * FLASH

Last minit news/tips



SHEET * * * * *

Last minit news/tips

AL NIBLACK-EDITOR, 420 SULLY STREET, VINCENNES, IND. 47591 Deadline 23rd of Month

ANDORRA: R. Andorra, 701, English Svc now at 0000-0100 on Sat. mornings; there is no sign of the 5995 SW outlet, seemingly inactive. (SCDX)

CAMEROON: 5010 R. Garoua heard at 2130 with Afro chants. (Sizer)... R. Garoua logged at 2130, usual strong signal, and possibly in Hausa language. (Henderson)

CAPE VERDE IS: CR4AA heard with booming signal at 2223, in amongst AROs, 3883. (Henderson)

COLOMBIA: 4790 Ecos del Combeima noted at good strength from 0320, in native. (Dexter)

CONGO: 7115 R. Kinshasa (DR), heard in French, native music, at 0433. (Hagerman)

DENMARK: R. Denmark anncd that effective 1 Apr. 1970, that they will discontinue their English and Spanish prms unless listeners write and urge them to keep their current skeds. (Heggs)... Info direct from R. Denmark informs that they will use limos during the winter to No. America. Unless a protest is made, after 1 Apr. R. Denmark will use only Danish. Write your protest to: Mr. Hans Spilthøj, Director General, c/o R. Denmark. (Balbi)

FALKLAND IS: According to SCDX the FIBS operates on 536 and 3958 !!

GRENADA: WLBS now noted on 11995, 2325-0215, fairly good signals, some RIMTY. (Heggs)

GREENLAND: Seemingly Godthaab, 3999M, noted 0005 in language, YL amncr. (Niblack)

INDONESIA: 3974 Believed Surabaya at 1400 with heavy ARO QRM. (Hauser)... 7118.5 Noted at 1415, melancholy western mx, maybe by Dino..Denpassar, Bali, listed. (Hauser)

IVORY COAST: 11920 Abidjan often heard with English/French lessons, 2230-2245. (Balbi)

KOREA(S): HLK41 heard from 0230, Spanish; 0300, English, on 15434-15435V. (Calkin)

KUWAIT: 15185 Now noted on new fqy from 0430, Arabic, 0500 English ID, WR. (Behr)

LEBANON: Beriut, found on new 15170, to No. America, 0130-0400, severe QRM. (Balbi)

LIBYA: 7165 Libyan BC Svc from Tropili heard at 0518 in Arabic, steady sigs (Hagerman)

LUXEMBOURG: A new 100,000 watt SW transmitter is to be added soon by R. Luxembourg, primarily for French programming. No frequency or time anncd. (Williams)

MALAYSIA(E): RM, Sarawak, noted at 1405 on 7160, good reception in national and world news relay from Kuala Lumpur. 1410, local ID. (Hauser)... MALAYSIA(W): RM, Kajang, observed on 4845 at 1420, with Indian prgmming. (Hauser)

MEXICO: Recently new R. Mexico, XERMX, is good on 11718, with uninterrupted music at 0100. (Byers)... R. Mexico, 11718, frpm 0115, many IDs, nice music. (Dexter)...

I logged R. Mexico at 0245 with fair signals on 11717. (Heggs)... A new station? R. Mexico, amncing as 11720, measured 11718.26, from 0017, noted with multi-lingual IDs,

asking for reports, and promising a souvenir. (Mayo) (Wait till you get the souvenir. Editor)...

R. Mexico heard with Spanish music along with many Spanish and English IDs from 0115. Asked for reports. Signal from good to poor lvl. on 11720. (Scoville)

... R. Univ de Sonora, 6115, heard with Sp music, talk, and ID, 2115. (Douglas)

NEW HERRIDES: R. Vila QSLed with card, tourist folder, and country info, 3905. (Dexter)

NIGER: 3260 R. Niamey heard with typical W African music at 2230, excellent lvl.

(Henderson)... R. Niamey, 3260, heard at 2130 with native music. (Macken)

NIGERIA: 3203-4 R. Ibadan, NBC, heard at 2103, native music, English amncs (Henderson)

NETH. ANTILLES: Bonaire Relay, 21570, noted at 1830-1940, with English to Africa (Balbi)

NEW ZEALAND: 9540 RNZ has English to the Pacific Isles at 0600-0845, fair sigs (Byers)

PAKISTAN(E): A card from R. Pakistan-Dacca, so indicated, after a follow-up. (Dexter)

PAPUA/NG: 3322.5 Bougainville is coming in here with excellent strength around 0900; Must have boosted power to 10kW. No pain, no strain. (Sizer)

PHILIPPINES: 6170 PBS, Manila, noted at 1105, local, world news, in English. (Sizer)

POLAND: 7125 R. Warsaw heard from 0445 to 0455 S/off, with Polish talk, European pops, at fair lvl. Parallel 7145, v. good lvl. (Hagerman)

SAUDI ARABIA: 11855 Beasting Svc of the Kingdom of SA, Djeddah, logged with good signals with W anncr giving prgm from 1700 to past 1900, in English. (Banta)

FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH

SEYCHELLES: 21460 FEBA, Victoria, logged from 1830-2000 S/off, testing in English, with music, asking for reports. (Macken, Mass; Mike says that Bill Martin, Dela., called this new country to his attention)(Where was HCJB, normally 21460, at this time, fellows?? Editor)...FEBA logged on 21635 M and anncd, 10/18, asking for reports, to box 234, 1930-2000 S/off. YL anncr, only fair lvl here in Indiana. I have a tape on them and sent a report. (Niblack)...Via long distance at deadline Gregg Calkin called to inform that FEBA was also on 15165 testing at 0120, fair lvl, same general format...Stop the presses: Just logged FEBA, Seychelles test transmission, 0245, 15165, with IDs between every musical selection, asking for reports. (Heggs)...Ger Dexter had the d'staff member of his Family phone via long distance at the very last moment to inform that he was hearing FEBA on 15165, at 0130, testing, asking for reports.

- C O N G R A T U L A T I O N S -

FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH FLASH

SO. AFRICA: R. RSA from 11/2, will add 15220 to current 11875, 9715, and 9705, to No. America 2330-0320; heard at 1800 on 21480 in English to England. (Balbi)

SUDAN: 7200 R. Omdurman, in parallel with 4993.5, noted with Arabic news, ID, and music, time 1942Z. (Douglas)

TAIWAN: VOFC, Taipei, now S/on at 0850, formerly 0920, in Korean, Japanese, on 7130, 9685, 11825, and 11860. (Balbi)

UGANDA: 4976 R. Uganda, Kampala, noted with English, ID, into lang(time, Editor)(Douglas)

USA: (FLASH) WWV, Fort Collins, Colorado, plans soon to introduce English for ionospheric predictions instead of present Morse code. (Williams)

5804A 5804A R. Senna heard S-9 lvl, Arabic chants, at 0315, 9/23. (Henderson)

YUGOSLOVIA: R. Belgrade good lvl on 9620, with English to Europe. (Byers)

VATICAN: R. Vatican to No. America 0030-0130 has settled on 11725, 9615, and 15285, with English 0050-0105. (Balbi)

HARMONIC DXing: Glenn Hauser who DXes the harmonics also, sends us the following:

ARGENTINA: RAE harmonic noted several times on 19378.4 (2x9689.2) at 0045, weak modulation, but QRM free here...ARMENIA: Yerevan listed, R. Moscow eastern svc on 23778.5, which checked with fundamental on 11889.25 or so, at 1451, in oriental(Hauser)

ERRATUM: Re mysterious time station on 6100, I made a mistake; the language is not Portuguese (apparently is Spanish); and, the location is not, repeat not, the Observatorio Naval Portugal. At present I cannot offer more data. (Don Jensen)...I wish to make a correction that was originally submitted to the Log Report: INDIA - VUB, Bombay, 17705, from 0330 Hindi to E. Africa (NOT R. Pakistan), paralleling VUD 15130, both good. VUD 15190, from 0500-0530 in Arabic. (Ernie Behr)

SUNSPOT COUNT FOR SEPT 1 (AS FURNISHED BY THE ZURICH OBSERVATORY: 1-81, 2-76, 3-72, 4-67, 5-62, 6-69, 7-63, 8-68, 9-40, 10-45, 11-64, 12-67, 13-82, 14-75, 15-105, 16-107, 17-110, 18-110, 19-69, 20-49, 21-63, 22-85, 23-85, 24-88, 25-112, 26-115, 27-123, 28-110, 29-88, 30-81. MEAN --81.0

PREDICTED: OCT 90 NOV 88 DEC 87 JAN 85 FEB 84 MAR 82 (Grady Ferguson)

ACKNOWLEDGEMENT: August Balbi, Calif...Ernie Behr, Canada...Robert Byers, Canada...Gregg Calkin, Canada...Gerry Dexter, Wisc...Danny Douglas, Ethiopia...Grady Ferguson, No. Carolina...Bob Hagerman, Mich...Dick Heggs, Canada...Glenn Hauser, Colo...Dan Henderson, Maryland...Don Jensen, Wisc...Mike Macken, Mass...Bill Martin, Dela...Stan Mayo, Me...Al Niblack, Indiana...Lawrence Scoville, N. Y...Al Sizer, Conn...Rod Williams, Georgia...Sweden Calling DXers, Radio Sweden...John Banta, N.Y., SBC.

SUDAN: (Last minute item) R. Omdurman has started using 15720, which is outside the 19 meter band; 1500 in Arabic, 1730-1800 C/down in English. ID, "This Omdurman, the Voice of the Democratic Republic of Sudan". (SBC)

Our thanks to all. Please keep shootin' in the reports. Last minute items may be phoned in, after 2200 GMT to: 882-3976..... Good DX, 73.