

WELCOME NEW MEMBERS

George Fisher, Boulder, Colorado. W-221C. Via World Radio-TV Hndbk.
 James Ducharme, So. Hadley, Mass. Heathkit GR-64. Via World Radio-TV Handbk.
 F. R. McColl, Totonto, Ontario. Hammarlund HQ-180. Via Radio Nederland "DX JukeBox".
 Terry Wallace, Arlington, Texas. Realistic Astronaut-5. Via WRTH.
 Anthony Baleno, Verona, Penna. Realistic DX 150. Via Electronics Illustrated.
 Jeff Cassorla, N. Miami Beach, Fla. Realistic DX-150. Via WRTH.
 Robert Bass, New Orleans, La. Realistic DX-150. Via PE Communications Hndbk.
 Joseph Cooper, Milwaukee, Wisc. Galaxy R-530. Via WRTH.
 Thomas Blossom, Fort Wayne, Indiana. Halli-crafter WR-3000. Via CIDXC.
 David Schmidt, St. Joseph, Mo. Hammarlund HQ-180. Via WRTH.
 David Volle, Wheaton, Illinois. Heathkit GR-64. Via member Randy Erickson.
 John Parkinson, Ft. Saskatchewan, Alberta. Silvertone. Via Electronics Illustrated.
 Stephen Zolvinski, Michigan City, Indiana. RCA-935. Via Electronics Illustrated.
 Kim Stenson, Wilmington, Vermont. Zenith 5-S-319. Via Radio-TV Experimenter.

RENEWALS

Second year-Edward Kelley, Mike Seth, Bob Wilkner, Curt Wastrowski, Edward Cope, Douglas Anderson., Rowland Archer Jr., Joey Nonnast, G. Alan Hickrod, Derek Evans.
Third year-Bill Matthews, Charles Rasin, Walt Fair Jr., Don Dinkmeyer Jr.
Fifth year-Bert Pester. Sixth year-Gerry L. Dexter. Eighth year-Douglas Benson, Frank Peters.

AWARD REPORT

Chairman Warren Nordgren informs us of the following members earning awards;
 WorldWide DXer (50 Countries)-Bob Estand, Kevin Brown, Irwin Glasberg, Tom Upton, Larry Zamora, Joeseeph Breton, Henry Michalenska. And Continental DXer, No. America (13 Countries)-Alvin Sizer. Congrats all!

REMINDER

Please keep in mind that the new membership rates are now in effect; \$10 per year first class, \$7 per year third class.

A FRIEND HAS GONE!

We regret to announce the passing of our friend/member Curt Weber. May he rest in peace.
 Curt was an oldtimer, 77 years old. Never did he profess to be a worldly man nor a topnotch DXer; He was humble, a friend to young and old alike. A member of many clubs, he gave help and support to each in many ways. He will be missed. Those of us who were fortunate to know him will long remember him; He was a friend.
 Little tribute though it be, we here dedicate this edition of Frendx to his memory. And perhaps we should consider that old DXers never die, they just QSY.

NEWS & NOTES

The publishers of "73" magazine are planning another magazine called "Radio Today". It will deal, be targeted at the non-ARO audience of listening enthusiasts. According to editor Wayne Green, the magazine will debut this fall.....The ISWC is asking various other clubs of the DX world to join together in an association that would help "fight those menaces to DXing". Only clubs would join, not individuals. Proposed association would be run similar to ANARC and EDXC, yet would pursue the aims of the ISWC proper. As we see it, this association will not come into being. What with the ISWC itself refusing to join the EDXC which has been in operation a year or so now, and what with certain of the clubs in ANARC not fully cooperating, it is most unlikely a worldwide association would work. Especially as the ISWC would have it.....Our QSL Editor-Gregg Galkin is presently vacationing in Europe.....Member Ed Shaw, on tour with USN has recently visited Spain, Malta, Montserrat, Greece, France and Monaco. Soon will hit Italy and Sardinia. Lucky guys!

HELPING HAND SERVICE

Clarence Poole, 1736 Wilmington Ave., Richmond, Va. 23227 has an AL-4 loop antenna for use with the Drake SW4A for sale or swap. Write him if interested.
 Hank Michalenska, 14 Brook St., Central Falls, R.I. 02863 has made up complete list of all Russian SW stations by freq and xmtr site. Drop him a note if you are interested in how you might make yourself a copy. It is over twenty pages long.

DATA ON PUBLICIZING SHORTWAVE

By Alvin Sizer

(Editors Note: Mr. Sizer is News Editor of the New Haven (Conn.) Register and has already contacted his Sunday Features Editor about doing an article on SWing.)

In the year I have been a SW fan, I've learned much about the hobby. One discovery has been disappointing...SWing is not well publicized. It is quite disheartening to tell someone I am an SWL and to have them reply, "Oh, you mean a ham radio operator!"

Much can be read about ARO's and CBers, but little about SWL's, and that's a shame because there is probably more going on via SWBC that is newsworthy, significant and interesting than via the other two hobbies combined. (But is CBing a hobby?)

Membership in our hobby represents, it seems to me, a high level of intelligence and discrimination and I am sure that if we would all go out and do a little missionary work for it, we would reap many benefits in way of increased membership, additional publications, and even the manufacture of more equipment designed for our special needs. Maybe even more stations on the SWBC bands.

There are many fields in which the work of public relations can be accomplished. I here however, center on my own field, the communication media of newspapers, radio-TV.

First of all a word of caution. Be sure to consider the size, requirements and the objectives of these media before embarking on any of these suggestions. It should be obvious that a weekly paper in your hometown will publish far less than such as will the New York Times, Washington Post, etc. Thus, to "hit" larger publications, stations, your publicity must be geared to large circulation. Nonetheless, each of us in the SW hobby is a potential story to some newspaper. Or if you think you have reached that bracket in DXing, perhaps you have a friend who is. However he must live, usually in the paper's circulation area for it to be interesting to readers

The way to begin is to get material together and then go to the office of your daily or weekly paper. Ask to talk to the feature editor (he may have various titles). Tell him you think you have an unusual hobby that his readers might find interest in. Then interest him! You might inform him you have heard 99 countries and have received verifications form 75 (or whatever your HIC-VIC totals might be.) Show him some of the more prized of your QSL's. The more rare and/or colorful, the more interested he will be in that he will recognize and realize the possibility of illustrating your story, a factor all editors look for. Tell him a few interesting anecdotes...a good example being as Richard Wood related sometime back about how he heard the "Star Spangled Banner" played on Radio Cordac, Burundi, instead of the usual national anthem, and how he later learned it was a boo-boo by the native operator who was find the equivalent of ten cents. One thing though, if you use such anecdotes, be sure to give proper credit where credit is due!

Next, tell the editor what you are hearing from such stations as Peking, Moscow, Havana, Hanoi....many times an SWL/DXer will hear news items before it is released via international news wires. In this regard the editor will be "all ears". Inform him of what the VOA is doing and whether or not you think its efforts adequate/worthy. What is Radio Japan saying?, What is being heard via "The Voice of the West", Lisbon?, The BBC, Radio New Zealand?, Far off countries that are seldom heard from except via radio?

And while we have been emphasizing up to now, the news aspects of SW, do not neglect possibilities of/for publicizing the hobby proper or our clubs. Many newspapers today are looking for stories and items relative to hobbies being that people today have more spare time on their hands and are seeking new ways to enjoy it. Realizing this, editors seek info which specifically detail what a hobby is about, attractions, equipment necessary and where a reader can go for more information (clubs!) Explain the expense of getting started, point out as comparable to buying a new car, you get only what you pay for...a Ford or a Cadillac, yet each serve their purpose, can be enjoyed.

Now, a few additional words of advise about stories/articles;

If you shy away from the limelight, you dont need approach the editor an one individual. If you have friends in the hobby who are located in your same circulation area, your story/article can represent a group effort, all can be credited.

...continued next page...

Publicizing Shortwave, cont'd.

If you have writing ability, you might compose your article before visiting the editor; If he likes it, he may pay you for it. He may however, prefer to rewrite it himself, using yours as basis, and you might still get paid. You could mail the article or talk to the editor via phone, but nothing is better than personal contact. Best idea is to take your article or an outline of it, direct to the editor.

The feature section of a newspaper is not the only department you can interest in SW. Fast-breaking news events offer the SWL an unequalled chance for immediate contact with the communication media. For example, if you had been listening to Radio Prague at the time of the not long ago Russian invasion and had called your City Editor, he most likely would have sent a reporter to talk to you and in all probability would have had an item written on it. Or the matter of the release of the Pueblo crew by North Korea; The fact that Pyongyang forsook its usual Spanish broadcast that night and repeated over and over, in English (16320kHz at 0100) the complete statement of the U.S. apology. This surely was worth an item over and above the usual press(wire) release.

Many papers have regular special columns wherein respective columnists are ever seeking, are on the alert for unusual items. Make contact with the columnist bringing in something especially interesting for a starter. He will most likely publish it and the door will be open for future valuable publicity for the hobby.

Other sections of newspapers to keep in mind are the entertainment section wherein radio and TV skeds and notes appear. And too, the editorial page on which there usually are "Letters to the Editor". Believe me, this is one of the most read pages of any paper and offers opportunity to bring in SW. For instance, the VOA is criticized in a news story for wasting money; You could write a letter stating you listen to the VOA and then you could add your views supporting or opposing the story/article

Chances to publicize SW on radio(MW) and via TV also exist. If you listen to or watch your local stations you may find they have regular programs about hobbies, people, world affairs, where the SWL might well have something of value to contribute. Again, QSL's may come in very handy, they can be shown on TV.

Mention has been made elsewhere, but we will repeat it here, of the opportunity afforded by the type of radio program which features an announcer talking to people who are invited to call in(phone). It should be evident that the emcee is ever looking for interesting conversation, and the SWL can supply it galore.

I'm sure I have only just touched the surface of the possibilities for publicizing SW, and you probably have idea's that I've missed (write me if you do!) 22 Country Way, North Haven, Conn. 06473.

And one final word...Dont forget your club, NASWA. Somewhere in your publicity, be sure to mention that you are a member. We can use the publicity too!

GETTING THE BUGS OUT

In recent months, bulletins of various clubs have been confronted with problems based mainly on non or poor cooperation from an officer or section editor. NASWA lost its SWC editor who resigned without advance notification; ASWLC has had to release "SWL" minus any Logging section due the vocational QRM met by its editor; CIDXC has run into problems due its President taking vacation, not issuing bulletin per sked. Although we must realize and understand that all officers, editors, and members as well, have personal, vocational and/or educational pursuits, we must also take into consideration that there is an obligation to have bulletins out in full and on sked each and every month. It is near certain that all clubs try as best they can to meet this major obligation. The bug however, is that not all editors consistantly cooperate in the best interest of their club(s). Bulletins are sometimes delayed because a section or column editor is late getting his work to Hdqs. This edition of Frendx, for example, is tardy because Hdqs has been awaiting NewsRoom section from Dan Henderson..it is already three days late and no word from Dan at all. Such "bugs" must be done away with! Hdqs plans action hereto so that future is "bug" free.

Exclusive

Exclusive

LOUDENBOOMER REPORT

The Latin Americans have always been the bane of my existence. No matter what, when I send out ten reports to stations in Central and South America, invariably only one or two reply with a QSL.

In typical Loudenboomer fashion, I set about to correct this situation. After all, I had my reputation to think of and a QSL return rate of about 17% from the L.A.'s was mortifying to me.

I sent out a series of inquiring letters to those DXers who have built reputations as Latin American specialists. Any tips for getting veries from stations south of the border?, I queried. And, DXers being the helpful persons they are, I received a number of suggestions by return mail.

Most of the respondents suggested that the only way to improve my L.A. QSL rate was by writing my reports in Spanish. Thus, since I didn't know my "hasta la vista" from a hole in the ground, I figured my first step should be a crash course in Spanish. And so right off I went to my friendly neighborhood Berlitz center and signed up for a concentrated class. Ten hours a day for six weeks I fought my way through the course. And man, after I'd finished I could knock out a top-notch reception report in Spanish, down to the last accent and tilde. But still my QSL percentage hovered below the 20 mark.

Other DX pros insisted that mint stamps from the country in question, included with my report, would bring sure-fire replies.

"Pennants, Charlie, pennants, that is the answer", insisted another. With a good bit of logic he pointed out that since the Spanish speaking stations send out pennants, it is natural to believe they also like to receive them. "Give them this added incentive", he concluded.

Nothing but the best for C.L. of course, and so I commissioned the artist-in-residence at the university in my home town to hand-paint a series of triangular pieces of Japanese silk with portraits of yours truly. These cost me a pretty penny, but I figured if they resulted in breaking the QSL logjam, they were worth it.

And someone suggested that I should tape record my L.A. loggings and send the tapes to the stations. "As a technique for squeezing out confirmations from the toughies, it can't be beat", he wrote.

There were another suggestions too...Picture postcards of my hometown...personal pix...used commemorative stamps from the USA...

So I decided cost be hanged. I made up my mind to use all these techniques in one report to a long time holdout, La Voz de Chachicapoyatenango in the Peruvian jungle town of La Constipacion, which had previously ignored 28 reports of mine.

Thus, carefully composing an 8 page detailed reception report in perfect Spanish, I put it in a fat cardboard box, along with a tape recording of my logging, a stack of postcards, a plastic-coated photo album filled with pix of myself, a gorgeous hand-painted pennant, eight and a half pounds of used postage stamps, sufficient mint Peruvian stamps (enough to pay costs of shipping an Inca temple back to US.), and assorted and sundry other goodies.

Hocking my TV set, I came up with enough ready cash to send the bulging package via air mail to La Voz de Chachacapoyatenango.

About a week later I figured I had found the key to L.A. QSLs, for there in my mailbox was a slim air mail letter with the stations slogan printed in the corner. Upon opening it, instead of the hoped for QSL was a single sheet of paper; On it was scrawled the following: "Dear Sr. Loudenboomer; I am a boy 18 and my papa own La Voz de Chachicapoyatenango. He get your box with many fine things. He say you fine hombre, but loco to send. He say you must be gringo millionaire. I want to come to U.S. and hope you help me do this. Please send airplane ticket with next report and I will deliver QSL in person, muy pronto. Gracias. Your friend, Jose."

.....Charlie Loudenboomer

P.S. At time of this writing, I plan to attend ANARC convention in Toronto. See you??

The ANARC Report

A report to members from the association of north american radio clubs, your parliamentary body of representatives from major clubs. Your reps are Doug Benson, writer, P.O. Box 131 Laconia NH, Bruno Colapietro, 708 Harpur Drive, Endicott New York and Gerry Dexter, Route 1, Robinson Hill Maple Drive, Lake Geneva, Wisconsin....

Topper news this month from the Association is the annual Convention, which is or has been held as you read this...If you failed to make it this year.. as the Dodger fans used to cry at Ebbetts Field.."Wait'll next year!"

QSL Committee is defunct. Richard Wood, ex-NASWA SW Center editor, has bowed out of the Verification Committee with some rather disappointing views on the verification situation. This committee, one of the oldest in longevity within the association, made some rather neat gains for you the hobbyist in the past few years under its two chairmen, informing stations of the diff between a verie and an acknowledgment, the correct and acceptable wording on a verie, what information the DXer needs on that verie, etc ad much info. Notes Wood, in part in his swan song; "Has become evident that the type of QSL issued by many stations is so totally dependent upon type of report sent that it is difficult to make any catagorical statement of policy." Wood suggests that the committee be re-formed under a new chairman. In all fairness, he notes that he has had almost no aid of late with his committee's work. But..it does seem that Mr. Wood could have given us a bit more of a warning on this sudden and unexpected move. It could be, we assume, that the good Professor was simply "amused" by it all.

Thanks from Laconia to NASWAer Rudy "enna who sent along an impressive list of suggestions for the association.

Nearly 400 club members, reports Phil Sullivan, have completed and sent in the DX Census form, and that computer cards are being made up with the results. 400 members is, we think, a rather poor showing, as it does not represent even one-third the hobby, even were we to count members belonging to more than one club. We may, if need proves, re-run the census form in one of these reports before the end of the year. The form is in the April Report. In addition, almost 100 anarc information cards have been shipped out, notes Phil, to completers who requested information on the clubs in the association. (Phil, what's next? Planning a mass mailing or somesuch?)

New York State DXers Association is now a full ANARC member club. 28 votes were cast favoring its admission as a full member club, and no opposition.

Executive Secretary Scrimgeour has had much to say recently in reporting on activities of the European DX Council, the counterpart to our ANARC. Serge Neumann, DXer extraordinaire and ANARC's collaborator in Europe, notes in a lengthy report from the EDXC this month that cooperative efforts between some of the Association's committees and those of the Council might prove fruitful. The EDXC, a far more cooperative body than our own "limited by distance and the mails" ANARC, is just now mulling over committees that the ANARC has been plugging along with for lo these many years, including the QSL Committee, the nationwide or worldwide country lists, etc. In many respects, the EDXC is a running parallel to the ANARC right across the board. If you are particularly interested in the activities of the EDXC, please let this writer know via mail, and we'll be including more info on its activities each month. However, in the absense of such letters, we'll continue to hit the high points of the EDXC activities and leave the wee details to those who may find them of more value.

Untill next month, then, 73s from Doug, Bruno and Gerry.



SHORTWAVE BROADCAST CENTER

FEATURING

ARTICLES

RA's Darwin Booster Station
Robert E. Byers

Cuban Caper
Bob LaRose/SWNS

New European Country?
Gerry L. Dexter

Extra Bands for SW4-A
Gregg A. Calkin

SW Radio in the year 2000
Ronald Budziack

Activity in El Salvador
Dan Ferguson

DX Calendar
Gerry L. Dexter

ALSO

QSL REPORT, Gregg Calkin - Editor

NEWSROOM, Dan Henderson - Editor

LOG REPORT, Dan Ferguson - Editor

FASHSHEET, Al Niblack - Editor

THE CUBAN P-T-P CAPER

by Bob LaRose/SWNS

There have been many reports recently of reception of the interval signal of the Cuban PTP station on carriers of Radio Habana Cuba. Although only speculation, we think we have found a fairly good explanation. We believe that at least some of RHC's xmtrs are located at the same site as the Cuban PTP station. This was probably done because of the ideal location and because the land, the antennas, were already available and secure. Our speculation goes even further and concludes that through the use of multi-couplers, RHC and Habana PTP probably share antennas in some instances. This is most economical and from an engineering viewpoint, quite efficient.

This would not, by any means, be the first time for such an arrangement. According to "Proceedings of the IRE" March 1942, such an arrangement was carried on by international shortwave station WCBX/WCRC (the CBS forerunner of WDSI) and Mackay Radio & Telegraph at Brentwood, Long Island. According to the "Proceedings"...

"The economic advantages are obvious as this plan eliminates the requirement of two separate transmission lines and two separate antenna arrays...Several of these networks have been successfully used by Mackay at Brentwood. Their use has been entirely trouble-free and excellent constancy of adjustment has been obtained with a minimum of maintenance attention. Experience has shown that a 5% separation between frequencies of two transmitters is sufficient for satisfactory operation of these two networks."

Returning to Habana, around 1800 we have been able to trace cross-modulation on RHC's 17715kHz Latin American transmission to CMO-56 on 18840kHz (this, incidently, is what was once called the Radio Corporation of Cuba). There was definite cross-modulation between these two channels. Assuming a shared antenna and transmission system, CMO-56 must have beamed to LA at that time. They were transmitting their interval sig which made the tracing process relatively easy.

Different cross-modulation was also noted on Radio Habana Cuba's 17835kHz xmsn to Europe. But this consisted merely of snatches of conversation and therefore was impossible to trace; However the PTP frequency involved was presumably in the 18-19mHz range and also beamed to Europe (this assumed that the PTP antennas date back to a time before the introduction of wideband log-periodic antennas). With a wideband log-periodic many more transmitters spread over a much broader range of frequencies may be operated from a shared antenna.

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CURRENT SW ACTIVITY IN EL SALVADOR

Presently three shortwave outlets operate in El Salvador. Radio Nacional de El Salvador on 5980kHz and 9553kHz (the former is a move from 6010kHz which has been widely reported); La Voz del Comercio, Santa Ana on 9676v kHz. The FBIS lists each of the Radio Nacional xmtrs with 5000watts power and La Voz del Comercio with 1000watts.

Recent observations: Radio Nacional-5980kHz. The move to this frequency has just been observed. It likely signs off at 0500 as did the former 6010kHz outlet when it was in use. Radio Nacional-9553kHz signs off at 0500 and has been heard in Florida as early as 1815. (Times mentioned are GMT). La Voz del Comercio-9576v kHz has been heard in Florida as early as 1245 and as late as 2045. Though numerous checks have been made, I have never heard it on a Sunday however. Various ID's are used by this station; Radio Comercio, La Voz del Comercio, and YSV. It apparently relays the MW outlet on 1280kHz. Early morning transmissions should permit reception in many parts of NA.

...Dan Ferguson

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NEWS BRIEF: The Canadian Radio-TV Commission has approved request of the Canadian Broadcasting Corp.; to increase the power of its shortwave transmitters at Sackville, New Brunswick from 50kw to 250kw. "Broadcasting" de Gerry Dexter

Tech Tip

EXTRA BANDS FOR DRAKE SW4-A

Tech Tip

by Gregg Calkin

The SWL/DXer who purchases the Drake SW4-A is undoubtedly impressed with the frequency accuracy and receiver stability, but may be slightly disappointed when he realizes it covers only certain SW bands. In particular he will note that certain SWBC bands are omitted, and that certain out of band stations are not receivable. This problem may be partially solved through the simple usage of alternate crystals. In fact, any frequency from 4500-90,000kHz may be received provided proper/appropriate crystal is used. For example, if the DXer wishes to tune the 60mb, he may purchase a crystal with 4500-5000kHz coverage; Plug it into socket of a crystal already in set, and presto he can tune 60mb with complete accuracy. Or he may wish to hear Kol Israel on 9009...he can purchase 9000-9500kHz crystal. Crystals are nominally priced and are ordered from the manufacturer, R. L. Drake Co., Miamisburg, Ohio. Be sure to specify the 500kHz slot frequency desired and keep in mind that the frequencies will be much easier to read off if the slot chosen fits into a 0-500 or 500-1000kHz range.

If one or more crystals are purchased to use in addition to those supplied with the SW4-A, they may be plugged and unplugged at will, or you may find it more convenient to add a switch on the rear of the set, facilitating the change from one band to another. An excellent one, including bracket holding three crystal sockets is available from International Crystal, Oklahoma City, Oklahoma. Even a twelve socket bracket is available. Your writer uses the the three position switch to hold a 60m crystal and a 33m crystal, in addition to the 40m crystal which is supplied and must be moved in order to make connections. By fashioning a right angle bracket out of sheet metal, the switch assembly with its three crystals is easily mounted using one of the chassis screws on the accessory socket. A short shielded cable is then run from the tri-crystal assembly to the socket it replaces. By timing the ends of the shielded cable wires, they may be inserted in the chassis socket without soldering.

In operation, the writer selects the 7.0 position on the band-switch, and then selects by reaching behind the set, either the 60, 40 or 33 meter band. This change makes the SW4-A a much more versatile receiver and is easily done by anyone, even those who have limited technical knowledge. Anyone interested or wanting more info, write me.

SW RADIO IN THE YEAR 2000 - A PREDICTION, by Ron Budziack

Occasionally, as I sit in front of my receiver, I begin to ponder what will be common on the SWBC bands in years ahead, say like 2000.

Already, at present, the world of SW is in rather bad shape. "Giants" like Radio Moscow, the VOA, Radio Peking, Radio Habana, the BBC are annihilating the lower powered stations which the SWL/DXer considers the exotic. Then there are the problems of slow mail service and reluctant verification policies on part of some broadcasters.

It is ridiculous to sit back and assume that time, in itself, will solve these problems. Time, in itself will probably worsen the situation and SWling/DXing will be more a headache than a hobby.

My prediction for the year 2000 is grim, yet most possible and probable. The number of radio's sold will taper off vastly. The QRM will drop drastically due there will only be a few stations broadcasting, most likely VOA and R.Moscow. All other stations will have shut down because of the inefficiency of their low 250kw power transmitters, dwarfed by the larger super-powered giants.

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(Foregoing is one prediction...anyone else have other insights, visions, idea's as to what they think in store for us and our hobby in the year 2000? We would be glad to hear from you hereto and possibly give you space in future SWC section. I for one, admit the above is possible, yet I prefer being more optimistic...after all, man has now been to the moon...might he not be to other planets by 2000 and is it too "far out" to say there might be beings thereon with whom we will be communicating? B.E.)



QSL REPORT

NASWA QSL EDITOR

GREGG A. CALKIN

174 WATERLOO STREET

SAINT JOHN, NEW BRUNSWICK

CANADA



Deadline:

Fifteenth

THE ICRC CERTIFICATE

One of the most interesting by-products of SWLing, DXing and QSL collecting is the annual certificate issued by the Red Cross Committee, in Geneva, Switzerland, for repeated reception of their test transmissions over the SBC's 7210 kHz outlet.

The certificate is earned by monitoring and reporting each of its six (6) transmissions (including 18 broadcasts) during any one 12 month period. It is not as easy as one might first expect, and to hear the ICRC 18 times through 41 meter band static and Ham QRM is a worthwhile feat. The DXer must also ensure that he does not miss a single transmission, or he must start over.

The certificate is 9" x 12", printed in color, on textured paper and is most impressive for display. The certificate text is in French, and it is sent out in a large non-folded envelope, with a form letter. The certificate bears the name and country of the DXer, the name and seal of the ICRC, their official stamp and the inscription: "In honor of your valuable collaboration in 1968, with our gratitude", and is signed by Gérard Fenard.

The form letter states: "The radiocommunications service of the International Committee of the Red Cross takes great pleasure in awarding you this certificate testifying to your diligence in receiving our six transmissions, on 7210 kHz, in 1968. Your several reports to us were very beneficial, and we very much appreciate your efforts in contributing to the humanitarian work of the ICRC".

As you can tell, I am proud of my certificate and would have to regard it as a highlight of my DX career. Address for reports to the ICRC is: International Committee of the Red Cross, 7 Avenue de la Paix, 1211 Geneva 1, Switzerland.

....Hank Michalenka

FOREIGN LANGUAGE REPORT FORMS

Several newer members have been asking if NASWA has foreign language report forms, and so, for their benefit, I will mention again that yes indeed, we do. In fact, they are available in four languages: French, Spanish, Portuguese and Indonesian. All of them may be had from the QSL Editor, for a self-addressed 9 x 4 business envelope, plus one IRC per form. In lieu of the 1 IRC, 10 cents in mint U.S. stamps (per form) may be submitted, but they must not be adhered to the envelope, as U.S. stamps are not valid for postage in Canada. Your editor will accept unmounted mint commemoratives, if members desire. Although comments on the forms have not been solicited they have been numerous. One, from Richard Murphy of Texas reads: "I must say that from personal experience, the NASWA foreign language report forms are the most helpful and useful that I have used. All stations I have used the forms with have verified, for a 100% return average."

THE ART OF KEEPING/DISPLAYING QSLs

The method of keeping and displaying the DXer's QSLs is always one of great interest. If your editor was not convinced of this earlier, he is now in view of the flood of mail following a recent short article in QSL REPORT (Cf. March/69). The ways utilized by the membership vary considerably, but apart from the popular practice of wall mounting QSLs, the following three practices are offered to our readers as they combine protection with ease of display, at minimum cost.

One

Irwin Glasberg, of Montreal, P.Q. writes to offer this suggestion. Irwin's method consists in placing his QSLs in transparent bags (of the "baggies" nature), which completely protects the QSL against dirt and dust. By sealing the edge with adhesive tape, a suitable protection is ensured, yet they are clearly visible. They are quite inexpensive to purchase, and Irwin feels that the appearance of his QSLs is enhanced.

Two

Dan G. Schmidt, of Rochester, Minnesota writes to say that he uses STA-SEAL, a seal-in-plastic laminating process, comprising two adhesive sheets of colorless, odorless, permanent adhesive. Although somewhat more expensive than method One, it ensures permanent protection of the QSLs for years. STA-SEAL is non-yellowing, dirt and moisture resistant. It may be obtained from the Staley Corp., Box 322, Wayne, N.J. 07470 at a cost of \$1.25 per sheet measuring 10" x 12", or for 15.75 a roll 40" x 12½ ft. Further information from The Staley Corp.

Three

The third method is one which your QSL Editor utilizes for the protection of his cards. Lighthouse Publications, Inc. (with head offices in West Germany) has produced, primarily for philatelists, a first day cover album containing 100 pockets, each of which will hold covers, cards, envelopes or QSLs up to a size of 5 1/4" x 7 1/2". This is large enough to hold 99% of all QSLs in existence. The album contains 50 clear plastic pockets, which may hold either two QSLs (showing one side each) or one QSLs (viewed from both sides). Each pocket contains a black interleaving sheet which may be removed if both sides of the QSL are to be displayed. The QSLs are easily inserted or removed, and once mounted are fully protected by the transparent envelopes. Each album comes in a delux padded leatheroid binder, with dustcase. They are manufactured in 4 colors, brown, blue, green and red.

The Lighthouse Album should be available at your local stamp dealer. If not, it may be obtained from the following offices, as may descriptive literature: Lighthouse Publications Inc, 317 West 44th St., New York, N.Y. 10036 (U.S. \$ 3.95); Frank Subak Reg'd, 1351 Green Avenue, Montreal, 6, P.Q. Canada (Can: \$ 6.50). In Britain, the Lighthouse dealer is Duncannon Stamps, Reigate, in Surrey, while in West Germany, they may be obtained from Lighthouse Publications, 2057 Geesthacht, P.O. Box 340, G.F.R.

Your editor's personal opinion ranks these albums as among the nicest, within their field, ever seen. Each album has a transparent pocket on the spine, allowing for easy labeling. A final word of caution: there are numerous manufacturers of First Day Cover albums, and many other albums will do easily as well. However, most albums designed for the American market and American/Canadian FDCs are much smaller in the size of covers they will take. Lighthouse is particularly useful as it will accept the larger QSLs. Specify the above dimensions, or ask for "continental size" albums when visiting your local stamp centre.

QSLs RECEIVED

When reporting data on your recently received QSLs, it would be best if any abbreviations which could prove confusing could be eliminated. Some reporters have been stating that QSLs came via "reg." mail, which in one instance may be regular mail or in another, registered mail. Remember, abbreviations can be confusing. Tnx.

ANGOLA: A Voz de Angola, Luanda, sent pic of building QSL in 15 days for 5960. 2 IRCs sent; full QSL data (Haines)

Emisora Oficial, Luanda, sent pic QSL for 6175 in 2 weeks, 2 IRCs. Full data (Haines) card showing Luanda at night, from V/S: Felician Ihor, 1 month, mint stamps sent (Pyatt)

ARGENTINA: RAE, 9690, green "map" card, seamaile in 3½ months, no IRCs (Estand)

ASCENSION IS: BBC relay, usual card from London in 65 days airmail. No data, BBC sked (Scoville)

AUSTRALIA: Radio Australia, color photo card of Sydney in 18 days w/full data; 2 IRCs. Sked too (Scoville) 9560, cd and green pennant, 8 weeks (Pyatt) 7190, 4 months, card of koala bears (Jankowski)

VLX15, 15425, standard regional card in 11 days (Jankowski)

AUSTRIA: Vienna, paper QSL and sked, rpt forms in 76 days. Full data (Scoville)

BONAIRE: Radio Nederland, 15220, red/white/blue card by air in 36 days. No IRCs (Estand) 11730, 6 weeks, w/map of island (Pyatt)

BRAZIL: Ceara Radio Clube, 15165, letter, pennant and p/card via airmail in 6 weeks, from V/S: Augusto Borges, Gerente de Propriedade (Dexter)

Radio Brasil Central, 4995, letter w/full data in English and Portuguese, in 3 weeks airmail. IRC (Hurst)

Radio Maua, 9705, personal letter in Port from Luiz Bandao Lisboa, Diretor de Broadcasting. Also sent white/blue car transfer, plus listeners bulletin describing station, history, aims, et al. Sent rpt w/3 IRCs, and p/card of Melbourne. Reply via seamaile in 12 weeks (Padula)

BRITISH HONDURAS: Radio Belize, 3300 kHz, card w/pic map in 27 weeks surface mail, from G. Sandiford; full data; 2 IRCs (Heggs)

BULGARIA: Sofia sent card showing Sofia U, for 11970, in 5½ months seamaile. Also sent sked and letter saying the card in 1st of series of 6 (Padula)

BYELORUSSIA: Radio Moscow, 15150, maroon card w/star, by air, w/sked and personal letter from Eugenia Stepanova, showing "via Linsk", 48 days, No IRCs (Estand)

CANADA: CBC, 9625, two cards in 14 and 40 days w/Eskimo sculpture featured. New card?? (Drake) Nope, Chris, that's regular Northern Service card (GAC)

Radio Canada, 5970, card in 18 days from B. Duke (Jankowski)

CJCX, Sydney, sent green and white card for 6010 by air for 1-IRC in 2 weeks.

No time or date given (Haines)

CFCK, Montreal, 6005, date only on red/white card, in 2 months. IRC (Upton)

CHINA: Radio Peking sent card for 15095, green/white, in 1 month by air w/full data for a change. No quotes or pic of Mao. Lot of Spanish Peking reviews (Haines) 10 weeks surface (Cornils) 67 days airmail. No data. 3 IRCs and promise of mag from Peking (Scoville)

COSTA RICA: La Voz de la Victor, TIRICA, 9615, white card/map of Costa Rica, air in 1½ months (Marshall)

Radio Casino, 5954 sent green card printed in Spanish and English w/full verification data, with green/white pennant. 22 days airmail. Mint stamps sent (Breton)

CUBA: Voice of Vietnam programme, sent letter in 4 months from Hanoi. 3 IRCs, also sked, newspaper, pic of peasants dragging U.S. flag through the mud (Lemna)

CYPRUS: BBC EMR, 9690, card w/location typed in, w/sked in 2 weeks air (Hurst)

London card in 21 days airmail. No data, location typed in, w/sked (Scoville) 23 days airmail. 1-IRC; no data (Breton)

CZECHOSLOVAKIA Radio Prague, 9540 card of Lake Macha in 37 days airmail. Rpted on aerogramme (Anderson) card of trade fair grounds, in 15 days by airmail for 15365 3 - IRCs (Briggs) b/w photo card, 11990 kHz, 23 days air 2 IRCs (Cornils) card of Mts. and cabin (Jankowski)

DAHOMEY Cotonou, colorful card, w/full data and thanked in French. 15 days by air for 4870. 3 IRCs (Haines)

DENMARK: Radio Denmark, Copenhagen, 15165, card/radiohouse aerial tower, w/station sked in 1 month (Marshall)

DOMINICAN REPUBLIC: Radio Comercial, 4880, letter from Luis Cambero Gil, Sec. of Ext. Correspondence; full data, in 3 weeks by airmail. P/card and IRC sent w/rpt (Hurst)

ECUADOR: HCJB, Quito, 15115, card in form of time converter, in only 11 days (Drake) 2 weeks air, w/sked and religious leaflets (Marshall) 17880, 1 month (Jankowski)

Radio Quito, 4923, sent personal 2-page letter from Dr. Eduardo Brito Mieles, in 20 days airmail. Letter very friendly w/detailed sked and colorful travel folder. Used NASWA Spanish form. Letter QSL in Spanish (R. Murphy)

Radio Canal Manabita, 4817, letter, pennant, stamps, by registered airmail in 11 weeks. V/S: Lauro Fernandez, Sub-Gerente (Dexter)

EL SALVADOR: Radio Nacional, YSS, sends letter and pennant in 2 months, 18 days seairmail. Letter confirms full data, for 6010 kHz. V/S: Lic. Victor Manuel Aleman, Dir. Mint stamps sent. Pennant in blue and white showing antenna and globe. Rpted in Spanish w/NASWA form (R. Murphy)

ENGLAND: BBC, color Thames card in 65 days airmail. No data, also sent sked (Scoville) 9580, 31 days, no data (Marshall)

CBC relay, sent card for BBC rebroadcast on 6075 kHz in 16 weeks. No IRC, but ice-hocket card (Padula)

VOA Woofferton, 15205, regular card de Opal Lau in 9 days (Jankowski)

FIJI: Radio Fiji, Suva sent card signed by A. H. King for Manager, confirming both 3230 and 3284 kHz, in 3 months seairmail. Sent rpt by tape w/3 IRCs. Card is blue w/Suva Street scene (Hall)

FINLAND: Helsinki sent card for 15185 w/sked in 60 days airmail, full data, 3 IRCs (Scoville)

FRANCE: ORTF, 9585, orange card in French w/10 b/w photos on it, rpted in English (Jankowski)

G.D.R. RBI sent card of Jungfern Bridge in 108 days airmail, w/p/card, sked and personal note de Paul Lindner (Anderson) 9500, 15150, 11975 all airmail, no return postage. 3 weeks reply after 5 months (Padula) cards N° 3 & 4 & 5 in current series, graphic repros of famous sites. 3 wks and very attractive (Lemna) 11970 (Drake) 11890, 2 mos, 2 days (Jankowski)

G.F.R. DW, 11945, map card and brochures, 20 days air, 1 IRC (Cornils) 2 weeks, no IRC (Drake) 9545, blue outline map card of Europe, 1 month (Marshall)

GREECE: NHBI, Athens, 15345, plain white card w/full verie data in 70 days registered. 2 IRCs (Schnabel) 7290, card for 2000-2030 Z Gk bc over VOA xmtr, 1-IRC, 3 wks (Padula)

VOA/Thessalonika, regular card from Opal Lau in Washington, in 13 days (Lemna)

GUYANA: Radio Demerara, 5980, card only in 16 days. V/S: J; Joseph, QSL gives date of my report and freq., no time, w/QSL statement. 3 IRCs (Heggs)

INDIA: AIR Bombay, 15080, personal letter from Y.R. Sastry, Sta. Engineer, in 1 month. Exact verie data for Delhi Ext relay, 2 previous rpts not received by station. Now gives new QRA as Backbay Reclamation, Near Sachwalaya, Bombay 20 (Roth)

INDONESIA (JAVA): Angkatan Udara, Djakarta, 11903, personal letter in English, all details, asking for more reports. V/S: First Lt. F.H. Hasibuan, only 1 month (Roth)

IRAN: Teheran, 15135, sent white printed card w/full verie data, paper sked and 2 books. 60 days registered seairmail, 2 IRCs (Lemna)

ISRAEL: Kol Israël, 9009, card in 4 weeks airmail after f/up report (Hurst) 86 days airmail w/sked, full data (Scoville) 9725, 2 months, card/pennant (Fyatt) 2 months, 10 days (Jankowski)

ITALY: RAI, 15410, usual card in 1 month airmail. Full data (Heggs)

IVORY COAST: Abidjan, white, blue and black card received in 4 months as a result of my 7th report and 3 IRCs. Card has map of Africa and antenna projects from Abidjan (Lemna) 11920, card seamaile in 53 days. 4 IRCs (Full data; rpt sent registered mail (Pappas)

JAPAN: NHK, Mt. Fuji sunset card in 2 weeks for 1-IRC, on 9505. Full data (Haines) 17625, 1 month with RJNews by air. Listed only final date of numerous receptions. Formerly listed all (Soneff) 14 days w/no time given (Scoville)

KUWAIT: Radio Kuwait sent folding card w/data on Kuwait and sked w/QSL date typed in, for 11920 kHz. 3 IRCs sent (Anderson) 17750, in 56 days, 3 IRCs (Haines)

LATVIA: Riga w/green, white and red card of several figures in sports contest, in 2 months. Rpt sent in English w/3/IRC. V/S: Head of Swedish Language department (Lemna) freq? (GAC)

LEBANON: Radio Lebanon, Beirut, 15285, card showing color drawing of studios, via registered airmail, sked, letter and color brochure on country in 42 days. 3 IRCs (Estand) 11785, 3 months, full data, sked and card of studios (Jankowski)

LIBERIA: ELWA, 11970, white card, native drummer in black and red, w/sked and tracts, air in 2½ months. 5 IRCs (Marshall)

MEXICO: XEMP, Mexico City, 11740, calling card from Arsenio Tuero C., Director of ARSA, S.A., which also owns XERR. Card has typed XEMP "La Charrita" w/handstamp, "Agradezco reporte, mil gracias por su atencion". 4 Months, after f/up w/SASE (Roth) XERR, 15110, sent 5 x 3½" business card w/general QSL statement in Spanish on reverse. 133 days seamaile; mint stamps sent (Breton)

XEXQ, O.C., 6045 kHz, card and sked in 3 weeks. IRC sent. V/S: C. Martinez Bravo (Fyatt)

MONACO: TWR sent regular folder-card in 4 months; no IRCs. (Lemna) 7290, antenna tower card w/full data, relig. pamphlets, sked and requirements for reports sheet. States IRCs required for air reply. 25 days air (Soneff)

NETHERLANDS: Radio Nederland Wereldomroep, Hilversum, 15425 sent card by air in 6 days (Jankowski)

NICARAGUA: Radiodifusora Nacional de Nicaragua, 5935, letter & pennant via air in 8 days after f/up. V/S: Tacho Sanchez Dias, Dir. Artistico (Dexter)

PERU: Radio America, 9504, sends card, letter and sked in 18 days airmail. SASE sent; letter gives verie statement, no data, from V/S: Angélica Montoya C., Secretaria. NASWA Spanish form used, and all reply in Spanish. Card is quite old and gives freq. as 9412 kHz (R. Murphy)

Radio del Pacifico, Lima, 9675, letter in English plus station folder and pennant via airmail in 2 weeks. V/S: Normal F. Mydske, Manager (Dexter)

PORTUGAL: RFE, 11855, card de New York in 3 days (Jankowski)

SINGAPORE: Radio TV Singapore sent black and white card in 3 months for 11940 kHz, giving date only. 2 IRCs (Haines)

U.A.R. Cairo, cards for 9850, 15090, 17690 & 17930 in 4 wks air, w/sked (Padula)

VIETNAM (S.) Saigon, 7245, card in 6 months seamaile, w/sked. 3 IRCs (Macken)

ZAMBIA: card in 21 days for 3345 kHz from V/S: J. Allerton, C.E., full data. 1-IRC (Hall)

RADIO PYONGYANG, NORTH KOREA

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平壤 平壤
 Paeonju, Korea
 Pyongyang, Korea
 Piongyang, Corea
 Piongyang, Corea

Verification Card

It is gratifying to learn that you

heard our station from 11.00 to 12.00

on 6480 kc/s and 7580 kc/s on Feb.22th.1969

Your further information on our transmission

will be much appreciated.

Radio Pyongyang

DPRK

平壤 平壤의 노래 224 号
 B OSEONJUK VAREPI Reproduction of the song, Che Deu Cye.
 Traditional Korean singing IN THE BOSOM OF MOTHER By Sin Jong Suk
 Peletere coréa de tradichonelle AU SEIN DE LA MERE de Sin Jong Suk
 EN EL SENO MATERNAL cantada en el estilo tradicional coreano, de Sin Jong Suk.

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Although widely heard in North America, Radio Pyongyang has long presented a problem in verification for the DX-er. This is one recent one received by a DXer in Canada. It is interesting to note that although further reports are desired, the station has always been reluctant to reply. With the QSL came numerous propaganda booklets and an interesting set of Korean postcards.

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Next month will feature the now tri-monthly SCOREBOARD, when the emphasis will be on North America. Please update all standings prior to the deadline of August 15th.

This month we are indebted to the following 26 reporters who supplied data for QSL REPORT:

- Richard Anderson, Illinois
- Joseph A. Breton, Massachusetts
- Robert Briggs, Massachusetts
- Robert Byers, Ontario
- Cal Cornils, California
- Gerry Dexter, Wisconsin
- Chris M. Drake, B. C.
- Robert Estand, Texas
- Bruce Haines, Colorado
- Dr. F. Earle Hall, Massachusetts
- R. S. Heggs, B. C.
- James Hurst, Maryland
- Jim Jankowski, New York

- Kris Lemna, Indiana
- Michael Macken, Massachusetts
- Mrs. Mildred Marshall, N. D.
- Stanley D. Mayo, Maine
- Richard L. Murphy, Texas
- Bob Padula, Australia
- Andrew Pappas, Illinois
- Ed. J. Pyatt, Georgia
- Alan Roth, Connecticut
- George Schnabel, New York
- Lawrence Scoville, N. Y.
- John T. Soneff, Louisiana
- Tom Upton, Texas

Sincere thanks for continued good support, and until next month, Best 73's, GREGG.



LOG REPORT

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Deadline 15th of Month

ALL TIMES ARE GMT

- 2325 S.AFRICA SABC, Paradys, s/on English 0430, //3285, 27 June (Berghammer)
 3246 S.AFRICA SABC, Paradys, s/on Afrikaans 0430, 27 June (Berghammer)
 3245 VENEZUELA R. Libertador, Spanish 0325; poor 27 June (Cabral)
 3250 S.AFRICA SABC, English 0100, 18 June (Berghammer)
 3264 CONGO REP RTC, Brazzaville, s/on French 0430, as Brazil s/off (Berghammer)
 3265 GUYANA R. Demerara, 0208 w/Eng. light music, 17 June. Poor modulation (Hagerman)
 3275 BRAZIL R. Clube Bauro, Portuguese 0030, zero w/Venezuela 17 June (Berghammer)
 3277 INDONESIA (Java) RRI, Djakarta, fair 1225, talking, 24 June (Cabral)
 3284 FIJI Suva, vernacular 0825, 16 June (Rowell) Best around 0930 past couple months
 in Hindi program (Hall)
 3284v VENEZUELA R. Puerto Cabello, Spanish ID 0200, 13 July; QRN (Berghammer)
 3294 VENEZUELA R. Trujillo, Spanish 0100 (Berghammer)
 3295 BRAZIL R. Educ. de Uberlandia, Portuguese 0230, 13 July (Berghammer)
 3300 BR. HONDURAS R. Belize, music 0125 (Penn) English 0400, weak (Fisher)
 3330 CANADA CHU, time station, fair 0700 (Fisher)
 3335 NEW GUINEA R. Wewak, 1100 daily in English & Pidgin; fair/good sig (Fisher)
 1130-1230 US hits, in English & Melanesian; fair level (Glavich)
 3350 GHANA R. Ghana, native 0530, //4915, 16 June (Berghammer)
 3355 NEW CALEDONIA R. Noumea, very weak in French 1030 (Fisher)
 3360 GUATEMALA TGVN, IV de Nahualá, on late, past 0335 w/strong signal, 12 July (Hirst)
 3365 DOM REP R. Exitos, Spanish 0422, fair 27 June (Cabral)
 3378v ECUADOR R. Iris, Spanish 0245; Andean music; 16 June (Berghammer)
 3380 GUATEMALA R. Chortis, Charleston mx, ID 0157 (Soneff) Sp 0230 (Berghammer)
 3385 NEW BRITAIN R. Rabaul, vernacular 0810 (Rowell) Good in Pidgin w/various types of
 music & very good signals at 1200 (Upton) music & talking 1215 (Cabral) Heard daily
 1110-1215 w/excellent signal in Pidgin/English (Fisher) 1245-1300 w/US hits;
 Pidgin English; fair lvl 7 June (Glavich)
 3385 FR. GUIANA ORTF, Cayenne, fair 1000 in French (Fisher)
 3535 CHINA Tukian with Chinese 1305, 24 June; good lvl (Glavich)
 3925 JAPAN JOZ, Nihon Shortwave Service, Japanese lesson 1045, fair (Fisher)
 3925 PAPUA ABC, Port Moresby, English 1000, 12 July (Berghammer)
 3930 CHINA Huehot listed, Chinese talk by lady 1135 (Padula)
 3952 ENGLAND BBC, German Svc 1900 (Anderson)
 3952 S.AFRICA SABC, Afrikaans 0500 (Berghammer) English 0510 (Cabral)
 3965 S.AFRICA R. RSA, Zulu/Swahili 0400-0412, 27 June (Berghammer)
 3971 CAMEROON R. Buea, s/on French 0500 (Berghammer)
 3985 SWITZERLAND SBC, beginning Italian news 1908 (Anderson)
 3986 NIGERIA Lagos, strong in Eng 0515 (Cabral) 3985v, English 0430 (Berghammer)
 3995 SOLOMON IS SIBS, poor in English 0820; music & sportscast (Heggs)
 3997 S.AFRICA SABC, Eng 0500, //3250 (Berghammer) English 0520 (Cabral)
 4000 RSFSR (As) Khabarovsk, 1332 Russian, music; strong (Glavich)
 4620 CHINA Peking, language 1320; strong 29 June (Glavich)
 4652 ECUADOR Radio Difusora del Ecuador, Guayaquil, 0433 LA music & ID, fair (Akins)
 4679 ECUADOR R. Nac. Espejo, Quito, Sp ID 0328 (Akins) LA format 0510 (Mohrman)
 Strong, 20 over 9 on the R-530, at 0540 (Cabral)
 4730 ECUADOR R. Nac. Progreso, Loja, Andean mx & Sp 0350. Sometimes as high as 4735
 (Hirst)

- 4765 CONGO REP. RTC, Brazzaville, French 0515 (Berghammer) /Sizer)
 4765 BRAZIL R. Feira de Santana, strong 0005 w/Eraz, pops, ID is "R.Soc. Santana" /
 4770 LIBERIA ELWA Eng rel pgm 2030; think now 50 kw(Padula) Eng 2130 (Anderson)
 4776 BRAZIL R. Dragao do Mar, Port 0100(Berghammer) Tentative, futebol 0030(Sizer)
 4777 GABON RTG, Libreville, French 0515 (Berghammer)
 4793 BRAZIL R. Congonhas, Port news 0000; QRM Dom Rep 4794 (Berghammer)
 4805 BRAZIL R. Difusora de Amazonas, longwinded Portuguese speaker 0004 (Hagerman)
 4807 SAO TOME music 0620; very weak, but hrd in Port till 0645 fadeout (Haines)
 4810 VENEZUELA R. Popular YVMG, Spanish ID at s/off 0357 (Akins)
 4815 UPPER VOLTA Ouagadougou, IS 0557, anthem, French ID, native music (Hagerman)
 4819v ANGOLA Em. Oficial, Port 0500(Berghammer) Mx, Port 0515, //7245 (Haines)
 4820 HONDURAS HOND, Sp 0230(Berghammer) Excellent in Eng 0330(Fisher) Eng 0355(Figgs)
 4821 ECUADOR Canal Hamorba, s/off 0500, 27 June (Berghammer)
 4835 ECUADOR HONOR, LV del Valle w/fall ID & fqy for MW/SW 0455 & off, 12 July(Hirst)
 4840v PERU R. Andahuaylas, Sp 0200, 16 June. QRM Venez. & 3rd stn (Berghammer)
 4845 COLOMBIA R. Bucaramanga, s/off 0400 (Soneff)
 4850A ECUADOR R. Casa de la Cultura, Quito, ex 4930; nx, classical music; fine signal, 0245(Sizer) 4842, 18 July. As strong as anyone on the band to s/off 0407(Ferguson)
 4863 BRUNEI Brunei BC Svc, Malay news 1200 (Padula)
 4868 DAHOMEY Cotonou, French 0530 (Berghammer) 4870, weak in French 0605 (Fisher)
 4872 GUATEMALA R. Santa Cruz, 0215 Spanish, 20 June (Berghammer)
 4885 COLOMBIA Ondas del Meta, Spanish 0325-0335 (Soneff) /Berghammer)
 4889v BRAZIL R. Piceira de Teresina, 0025 Port ID; Pocos de Caldas still 4884 /
 4890 VENEZUELA R. Dif. Venezuela, 0350 mx w/LA songs; many IDs (Haines)
 4895 S.AFRICA RSA, 0411 Zulu/Swahili, IS & off 0414(Hauser) Eng 0500(Berghammer, Fisher)
 4900 VENEZUELA R. Juventud, Sp 0315-0356(Soneff) 0340 exc; many US songs(Haines)
 4900 GUINEA Conakry, flute & bongo 0610; very weak (Fisher)
 4908 CAMBODIA R. Cambodia, s/on around 1100; Cambodian songs (Padula)
 4911 ZAMBIA Lusaka, Eng nx 0500, very weak, QRM de a strong LA stn on 4910 (Haines)
 4912 GILBERT & ELLICE IS R. Tarawa, native 0800 (Berghammer)
 4913 ECUADOR LV Gran Colombia, Spanish 0515, 27 June (Berghammer)
 4915 GHANA R. Ghana, Eng 0600(Fisher) Nx & ID 2107(Anderson) 0530(Berghammer)
 4915v BRAZIL R. Cult. de Araraquara, Port ID 0000, 12 July (Berghammer)
 4915 KENYA V. of Kenya, Swahili 0400, QRM Colombia, 26 June (Berghammer)
 4926 EQ. GUINEA(Rio Muni) "R. Equatorial Batu" 2245; excellent w/Afr tunes (Padula)
 4955 COLOMBIA R. Nacional de Colombia, Spanish news & ID 0315-0329 (Mohrman)
 4970 VENEZUELA R. Rumbos, good in Sp 0300(Fisher) On late 27/6, Sp 0503(Hagerman)
 4972 CAMEROON R. Yaoundé, French 0530; YV splatter (Berghammer)
 4973v COLOMBIA R. Internacional, Spanish 2330; 16 June (Berghammer)
 4980 VENEZUELA Ecos del Forbes, Spanish ID & LA mx 0700 (Akins)
 4985 BOLIVIA La Cruz del Sur, 2330 Spanish, 16 June; QRM Brazil (Berghammer)
 4990 VENEZUELA R. Barquisimeto, good in Spanish 0330 (Fisher)
 4994 SUDAN SBC, Arabic 2100(Anderson) Arabic 0330, 14 June; QRM Peru (Berghammer)
 4995 PERU R. Andina, seems to be 24 hour some days; ID 0633 on a Sunday (Padula)
 5000 ITALY IBF, Turin, Italian/English announcements 1345 (Anderson)
 5005 PERU R. Jaen, ID 0346 (Field)
 5010 DOM REP R. Cristal, fair in Sp 0427(Cabral) Music, good at 0502(Banta)
 5015 RSFSR(As) Vladivostok, 1115 in Russian; fair signal (Fisher)
 5026 UGANDA R. Uganda, English 0400; low modulation (Berghammer)
 5030 VENEZUELA R. Continente, Spanish 0230-0300 ID (Soneff)
 5035 CENTRAL AFRICAN REPUBLIC Bangui, French 0445 (Berghammer)
 5040 BURMA Rangoon, oriental mx 1120; Burmese talks; hrd 18 June only (Haines)
 Good in Burmese (?) at 1315 (Cabral)
 5045A BRAZIL R. Copacabana, clear ID 2345 w/rel pgm(Sizer) Listed 1968 FBIS (DF)
 5047 TOGO Lomé, French 2230, //6154 (Berghammer)
 5050 VENEZUELA R. Zulia (in San Carlos?) Spanish 0130 (Berghammer)
 5055 PERU R. Loreto, Iquitos, well hrd from 0330 w/pops, ads, ID 0402; ann 1150 &
 (No mention of 0504(Obiio) Should that be 5045? Has been rptd there.(DF)

- 5 SINGAPORE R. Singapura, strong at 1325 with ID (Cabral)
 5061 VENEZUELA R. Litoral, Spanish 0230 (Berghammer)
 5095 COLOMBIA R. Sutatenza, Spanish 0300-0325, 11 June (Soneff)
 5875 HONDURAS LV de Honduras, ID 0435, 7 July (Banta)
 5945.5 NICARAGUA R. Zelaya, fair 0400 s/off w/IDs & anthem(Koukol)
 5954 COSTA RICA R. Casino, fqys & ID 0400(Akins) Eng 0500(Fisher) Eng 0515(Banta)
 5955 GUATEMALA TGMA, Eng rel pgm 0315(Banta) Eng rel pgm 0329(Moeller)
 5955 BRAZIL R. Gazeta de São Paulo, 2347 Eng pops, Port talks (Hagerman)
 5958 CONGO(R) Lubumbashi, French news 0430 (Berghammer)
 5960 ANGOLA A Vos de Angola, s/on 0500 in about 20 dialects(Fisher) 0500-0555 Port, mx
 (Soneff)0500 anthem & ID(Moeller) Port 0530, //9660(Berghammer) Vy good 0600 w/
 Port ID, "Marche e Palavras"(Hagerman) Sports Sundays 2200, pops 2230(Padula)
 5974 S.KOREA Seoul, Korean talks 1150; QRM Peking-5975, also in Korean (Padula)
 5980 GUYANA R. Demerara, s/on 0915; poor in English; native music, ads (Heggs)
 5980 S.AFRICA R.RSA, IS, ID & Eng nx 2330(Objio)Eng nx 0033(Banta) Eng to NA 0230-
 0320, //9705(Rowell) Eng nx & cmtry 0500-0515 to Rhodesia (Haines, Randall)
 5985 TANZANIA R. Tanzania, Swahili 0315(Berghammer) 0320 (Ferguson)
 5990 BRAZIL R. Ministerio da Educacao, Port ID, nx 0002(Hagerman) 2330(Berghammer)
 5995 POLAND R. Warsaw, concerts 0005; after German pops. Andorra not heard(Anderson)
 6000 BRAZIL R. Inconfidencia, nx & ID 2243(Objio) Mx & IDs 2310(Stark) 2330(Pyatt)
 Good lvl w/pops 0000(Seth) Soccer 0100(Upton) ID, ads & mx 0105(Tuchscherer)
 6005 W. BERLIN RIAS, Berlin, Ger nx 2230; Munich noted 1245(Anderson) Uninterrupted
 classical music 0230-0315; ID & off 0315; Munich begin 0325; both exc lvl(Ferguson)
 6005 CANADA CFCX, good 2300 with news (Seth)
 6005 BOLIVIA R. Progreso, Sp 1030(Fisher) ID, Sp mx 0200(Koukol)
 6010 EL SALVADOR R. Nacional, Sp ID, mx, anthem, etc. Off 0505 (Hagerman)
 6010 CANADA CJCX, English 1600, excellent (Moeller)
 6010 MEXICO R. Mil, Spanish music 0530 (Caldwell)
 6020 NETHERLANDS R. Ned., IS & ID in Dutch from 2257 w/pgm to Caribbean (Objio)
 6025 MALAYSIA R. Malaysia, weak in Chinese 1035 (Potter)
 6025 PORTUGAL R. Port., Eng nx 0200; heard till 0245 s/off (Byers, Stark)
 6030 CANADA CFVP, Voice of the Prairies, nx 1000, weather, cmtry, mx; fair (Haines)
 6030 COLOMBIA R. Nacional, 0130 Sp, //9635(Berghammer) News 0300(Field) Talk, news,
 music to 0500 s/off (Upton) Now in regular use (DF)
 6030 CHLIE R. Minería, heard w/s/off, Sp ID & Hymno Nacional 0500 (Seth)
 6035 BURMA BBS, native language 1050; fair level (Potter)
 6035 BRAZIL R. Globo, Rio, music program & ID 0250, 1 July (Field)
 6035 MONACO R. Monte Carlo, 1130 Italian, music (Anderson)
 6037 COSTA RICA TIFC, San José, 0230 religious program in Spanish (Field)
 6040 USSR R. Moscow w/Moldavian mx 2314(Anderson)
 6040 COLOMBIA LV del Tolima, news 0245(Field) Strong 0330, 10 July (Seth)
 6044 BRAZIL R. Clube Pararaense, Portuguese, at 0830 (Berghammer)
 6045 MEXICO R. Univ. San Luis Potosina, classical music 0300(Caldwell) ID 0258,
 classical music; QRM R. Santa Rosa(Hirst) Classical music 0500(Upton)
 6045 PANAMA LV del Barú, fair lvl from 0308 tune; mx & talk; occasional ID (Dexter)
 6045 PERU R. Santa Rosa, 0130 Sp; zero w/Brazil; QRM Panama 6046(Berghammer) 0240 rel
 pgm, I believe,(Field) Sp mx, clear IDs to 0355 s/off(Caldwell)
 6050 NIGERIA W.Nigerian Radiovision Svc, rare; Afr tunes 2200, chants, drums. English
 news 2255, s/off 2302 after anthem. Sked 0500-2305 (Padula)
 6050 EQUADOR HCJB, French 1010 (Randall)
 6055 COLOMBIA R. Pacifico, 0224 complete ID, 1 July (Field)
 6055 CZECHOSLOVAKIA R. Prague, German talk 1050 (Anderson)
 6055 RWANDA Rdiff de la Rep. Rwandaise, Kigali, Swahili 0330 (Berghammer)
 6060 SICILY RAI, all night svc 0100, Italian ID under Havana (Berghammer)
 6070 CANADA CFRX, Toronto, nx, wx, 1000(Randall) Strong 0600(Upton) 2347 (Mohrmann)
 6070 BULGARIA Sofia, s/on Eng to Europe 1900 (Anderson)
 6074 COLOMBIA R. Sutatenza, Spanish 0830 (Berghammer)
 6075 BRAZIL R. Curitiba, English news 0600; fair (Caldwell)

- 6080 PERU R. Nacional, Lima, strong at end of June w/talks, mx 0300 in Sp. Strong het cuts in nitely at 0337; still hrd, tho less well(Hirst) Good 0330(Seth)
- 6084 CONGO(DR) R. Kisangani, French 0430 (Berghammer)
- 6085 NETH ANTILLES R. Noderland, s/on lang 2300 (Soneff)
- 6085 W.GERMANY Bayerischer Rundfunk, news 0800 (Anderson)
- 6085 W.GERMANY D.Welle, Eng 0223; male announcer (Akins)
- 6090 AUSTRALIA AEC, Sydney, very good 1210 w/mx. ABC nx on the hour; 2 kw(Haines)
- 6090 LUXEMBOURG R. Luxembourg, 1905 w/pops from the "Swinging Grand Duchy"(Anderson)
- 6090 NIGERIA RTV Kaduna, English 0530, //9570 (Berghammer)
- 6095 COLOMBIA LV del Centro, HJW, Espinal, tangos, ads & ID at 0338 (Objfo)
- 6095 IRAQ Baghdad, 1945 ID & anti-Iran talk (Anderson)
- 6096v SOMALI REP NBS, Swahili 0330; QRM Colombia 25 June (Berghammer)
- 6103 INDONESIA(Java) RRI, Djakarta, English 1100, //9587 (Berghammer) 6105, English news 1105 (Fisher)
- 6103 BRAZIL R. Clube Ceara, Portuguese 2330 (Berghammer)
- 6105 MEXICO XENQ, mx, mx, wedding anmts, 0425; QRM(Upton)
- 6115 PERU R. Union, Spanish & mx to s/off 0530-0600 (Caldwell)
- 6115 E.GERMANY Deutschlandsender, German talk 1900 (Anderson)
- 6115 CONGO REP RTVC, French 0600 after Colombia s/off (Berghammer)
- 6120 ARGENTINA R. El Mundo, Spanish 0015 (Berghammer)
- 6125 BRAZIL R. Nacional, São Paulo, Port 0135; fair(Koukol)
- 6127 CONGO(DR) R. Kasai, Luluabourg, French 0400 (Berghammer)
- 6128v VENEZUELA R. Valles del Tuy, Sp ID 0015; 13 July (Berghammer)
- 6130 CANADA CHNX, Halifax, music & ads 0950 (Randall)
- 6134 BRAZIL RTV Gaucha, Portuguese 0900 (Berghammer)
- 6140 BURUNDI LV de la Rev., Bujumbura, Fr 0400(Berghammer) S/on 0400 w/anthem; Afr mx to 0415; French mx(Koukol) Afr mx 0410, Fr nx 0415, mx 0426(Hauser)
- 6140 SPAIN RNE, Madrid, good in English 0140; Sp mx (Koukol)
- 6140 COLOMBIA R. El Sol, LA mx & ads; fair to poor; 1015-1025 (Randall)
- 6145 BRAZIL R. Nacional, Rio, fair in Port under DW at 0140 (Koukol)
- 6145 W.GERMANY D.Welle, s/off German 0415 w/ID, fqy anmts (Soneff)
- 6145 BIAFRA R. Biafra, almost inaudible 0500 s/on; better later(Hirst) 0535 Eng with occasional US pop tunes; fair lvl (Dexter)
- 6150 COSTA RICA R. Atenea, excellent 0354 w/many US songs, many IDs (Haines)
- 6154 TOGO Lomé, French 2230, //5047; rarely heard (Berghammer)
- 6155 JAPAN FEN, Tokyo, Eng nx, ID, 1300; poor(Heggs)
- 6160 COLOMBIA HJKJ, Em. Nueva Granada, Bogota, Spanish 0300 (Fisher)
- 6165 MEXICO XEWW, Sp nx 0145; Alka Seltzer ad 0158(Koukol) Play 0400(Seth)
- 6170 PHILIPPINES PBS, Manila, seemingly a new hi-pwr tx; as early as 0830 w/Tagalog, Eng nx 1100. // to old 6165 at this time. Like a local at 1000 (Padula)
- 6175 NIGERIA NBC, Kaduna, English 0515; QRM Brazil (Berghammer)
- 6180 GUATEMALA LV de Guat., Sp 0400(Soneff) ID 0518 "R.Nac. de Guat", TC (Hagerman)
- 6190 W.GERMANY R. Bremen, 0515 s/on German rel pgm (Berghammer)
- 6190 CHILE R. Corporacion, Spanish, US pop mx 0300; excellent (Caldwell)
- 6195 NETH ANTILLES TWR, 0900-0930 German (Berghammer)
- 6195v TUNISIA RTVT, 2300 Arabic; 16 June; alternates w/5986v (Berghammer)
- 6195 S.KOREA Christain BC System, Seoul, relay Korean news 1100 (Padula)
- 6255 AUSTRIA There is an Austrian stn on this fqy, possibly for schools. Not OR. Sked & ID given 1708. Code practice 1645 (Anderson)
- 6525 CHINA 2000 singing in language (Anderson)
- 7100 HUNGARY R. Budapest, s/on 2200 (Anderson)
- 7103 MALAGASY REP RNI, French 0330; low modulation (Berghammer)
- 7105 SYRIA Damascus, s/on Arabic 0300 (Berghammer)
- 7110 MALAYSIA RM, Kuala Lumpur, 1100 Malay; oriental music; good (Haines)
- 7115 CONGO(DR) Kinshasa, Fr, Afr mx: 2350(Padula) Poor 0400 s/on Fr nx & mx (Haines)
- 7118 ALBANIA Peking relay, Eng to NA 0155(Anderson) Eng 0245-0300(Benefield)
- 7120 ENGLAND BBC, rebdcast of CBC Polish 0345, can Polish pgm 0345 (Padula)
- 7125 GUINEA Conakry, flute & bongo 0605; excellent signal (Fisher)

- 71 W.GERMANY D.Welle, Eng to E.Asia 2100-2200, //9765, 15275 (Berghammer)
- 7130 ENGLAND BBC, London, English 0335(Soneff)
- 7135 MONACO R. Monte Carlo, ads for Peter Stuyvesant cigs in Italian (Anderson)
- 7145 POLAND Polskie Radio, German 2300 (Berghammer)
- 7145 MALAYSIA(Sarawak) R.M. Sarawak, good sig in native lang ID 1300(Cabral)
Interval signal & time pips 1200; fair signal (Fisher)
- 7160 MALAYSIA(Sarawak) R.M. Sarawak, Eng 1145(Fisher) Eng 1205(Haines) S/on Eng 1359;
news 1400 & 1430 (Heggs)
- 7166 RYUKYU IS VOA, Okinawa, English 1030 (Fisher)
- 7170 NEW CALEDONIA R. Noumea, French 0755(Rowell) Fr 1045, good(Fisher)
- 7180 IRAQ Baghdad, Arabic 0345; good at times(Cabral)
- 7185 E.GERMANY D-sender, classical music 1045(Anderson) German 0345 (Berghammer)
- 7190 W.GERMANY RFE, Polish 1620 (Anderson)
- 7203 CONGO(DR) Kubumbashi, Swahili 0415 (Berghammer)
- 7205 MOZAMBIQUE R. Pax, Portuguese 0400; some pop music (Berghammer)
- 7205 AUSTRALIA RA, Eng 1030-1045(Homan) TC 0415(Michalenska)Eng 1200(Fisher)
- 7205 GREECE VOA, Thessaloniki, English talk 2115 (Anderson)
- 7215 SENEGAL R. Senegal, very strong 1601 w/French ID (Anderson)
- 7216 CLANDESTINE V. of MLF, Vietnamese 1030 (Berghammer)
- 7220 AUSTRALIA RA, Indonesian 1000 (Homan) News 1100(Sizer)
- 7220 W.GERMANY R. Liberty, Russian 1100 (Anderson)
- 7245 W.GERMANY D.Welle, IS & s/on in lang 0315; extreme ham QRM (Soneff)
- 7245 ANGOLA R. Angola at ridiculous time of 0030(1030 am, local!) w/Port songs(Padula)
- 7250 VATICAN Vatican Radio, s/on 1230 in lang (Anderson)
- 7255 RYUKYU IS VOA, Okinawa, s/on 1014 w/local ID, into lang (Homan)
- 7257v MONGOLIA R. Ulan Bator, Mongolian 1100 (Berghammer)
- 7270 MOROCCO(Tangier) VOA, good in English 0330 (Fisher)
- 7270 DODECANESE IS VOA, Rhodes, s/off French & local ID 2230 (Anderson)
- 7270 S.AFRICA RSA, Zulu/Swahili 0400, //3965 (Berghammer)
- 7285 CLANDESTINE "WGHP-With God's Help Peace" hrd regularly 0300-0400, Mutual nx 0300
& 0330. Pops, rel anmts & denouncements of the "establishment". Claim 50 kw -
sounds more like 50 watts, if in US. No hint as to locale. First hrd 21/6(Alpert)
- 7296v MALAYSIA(Malaya) RM, drifted here; English 1100 (Berghammer)
- 7300 ALBANIA R. Tirana, s/on German 1330 (Anderson)
- 7301v BIAFRA R. Biafra, 0430 Eng comment, not //5144(Berghammer) Eng 0500 to f/o, varies
0600-0630. Talks on war; native mx. In Eng; generally good lvl, but poor modulation
(Breton, Seth, Soneff, Tuchscherer, Dexter, Hagerman, Cabral, Fisher) S/on 0430A;
devotional, then C/W music (Hirst)
- 7330 BYELORUSSIA Minsk, Moscow English 0000(Breton) Moscow IS, Eng nx 0000(Alpert)
- 7343 SWITZERLAND UN at Geneva, s/on 1830 Fri. Eng 1839 on 4 July (Anderson)
- 7345 CZECHOSLOVAKIA Prague, Arabic 2005(Anderson) Eng cmtry 0337 (Mohrmann)
- 9009 ISREAL Kol Israel, 0400 s/on Eng to NA; off 0415(Mohrmann) Eng 2045 (Anderson)
- 9410 ENGLAND BBC, World Service 1900 (Anderson)
- 9452 PERU OAX6D, R.Continental de Arequipa, music, ads & anmts from 0330 tune(Dexter)
Pse see July LR - Bill Sparks says is R. Continental, not R. America. Relays news
from R. America, with IDs for R. America at beginning & end of news. (Nblack)
Spanish 0500 (Berghammer)
- 9493v PERU R. Tacna, 2330 Spanish; signal improving (Berghammer)
- 9501A ALBANIA Tirana, brilliant lvl, s/on Fr 0500(Hagerman) IS 0129; Eng nx & cmtry.
(Moser) Strong with English news 0135 (Barman)
- 9 PHILIPPINES FEBC, English 1230 (Berghammer)
- 9504 PERU R. America, good in Sp 0510(Rowell) "Ultimas Noticias presentado por Radio
America" 0437; also to 0558 s/off(Hagerman) 9595, s/off 0600(Heggs) 9505, ID 0050;
gives QTH as Lima; into native music; good lvl(Nblack)
- 9505 BRAZIL R. Record, Portuguese 0830; mixed w/Prague (Berghammer)
- 9505 VENEZUELA R. Barquisimeto, now here 1 Spanish (Berghammer)
- 9510 ALGERIA RTV Algerienne, pops 1330; good (Anderson)
- 9510 MALAYSIA(Malaya) R.M. Malaya 1100(Haines) Oriental music 1115 (Fisher)

- 515 MEXICO XEWW, Sp ID & chimes 0350(Akins) Sp 0400, //6165(Seth)
- 520 DENMARK R. Denmark, Danish 0129(Potter) Eng 0145(Higgs) DX Window 0155(Tuchscherer)
Begin Eng 0145; fair to 0200 when much QRM (Heggs)
- 520 PAPUA ABC, Port Moresby, children's pgm 0655(Higgs) S/off Eng 0715(Potter, Rowell)
- 525 CUBA RHC, usual programming 0130 (Anderson)
- 530 E.GERMANY RBI, 2045-2130 German to Africa, //15340 (Berghammer)
- 532 PERU R. Nac. Tacna, Spanish 0030, improving (Berghammer)
- 535 SWITZERLAND SBC, s/on to NA 0130 (Stark)
- 540 CZECHOSLOVAKIA R. Prague, Eng 0300; het(Heggs)
- 540 AUSTRALIA R. Australia, Asian Svc, Eng ID 1228; then Vietnamese (Higgs)
- 540 NEW ZEALAND RNZ, Eng 0600-0845, //6080 (Berghammer)
- 540 RSFSR(As) Moscow Mandarin 1430 (Berghammer)
- 544 MEXICO LV de Veracruz, Sp 1130; het from VOA-9545 (Berghammer)
- 545 GHANA R. Ghana, Fr to Europe 1900-1945 (Berghammer)
- 550 BELGIUM RTB, English 2205, good (Pyatt)
- 550 PERU R. Nac. Tumbes, Sp 2330; "Promenados" nx (Berghammer)
- 553 EL SALVADOR R. Nac., Sp 0430; anti-Honduras tirades 27 June(Berghammer)
9555, weak in Sp to s/off 0500(Breton) Several IDs 0300(Seth)
- 555 IRAQ R. Baghdad, Arabic 2100 after BBC (Berghammer)
- 560 JORDAN Amman, poor in Eng 1600(Moeller)
- 569 VENEZUELA R. San Cristobal, Spanish 1130; hets RA (Berghammer)
- 570 NIGERIA RTV Kaduna, editorial on Red Cross & American jazz 0500(Seth) Eng nx
0530, //6090(Berghammer) Eng & Hausa 0530(Upton) Eng nx 0530; pop mx & ads to
0600, then Hausa; fade by 0630(Padula)
- 9570 ROMANIA R. Bucharest, English to NA 0300(Seth)
- 9570 QATAR QES, Arabic 0300 s/on(Anderson) Arabic 0430; bad QRM(Berghammer)
- 9575 ITALY RAI; s/on Rumanian 0512, ID (Hagerman)
- 9576 EL SALVADOR LV del Comercio, several times 1700-1800; fair lvl(Potter)
- 9580 AUSTRALIA RA, 1110-1215(Byers) Eng 1200; DX Sunday(Michalenka, Randall)
- 9580 ENGLAND BBC, Worls Svc 0000; excellent (Byers)
- 9580A MEXICO La Hora Exacta, on this fqy 1400 w/TC & ads past 1430; 4 July. List &
previously heard on 9555(Field)
- 9585 INDONESIA(Java) V. of Indonesia, s/on English 1430, nx, mx; difficult copy(Heggs)
- 9585 BRAZIL R. Excelsior, 2240 ID as "R. Excelsior São Paulo"; 6 July (Field)
- 9585 SYRIA Damascus, 0300 s/on Arabic to Iraq (Berghammer)
- 9590 CHILE R. Pres. Balmaceda, 0000 talk on Apollo 13; 13 July(Berghammer) ID 0130,
regular(Seth) Spanish ID 0230; good(Akins)
- 9605 NETH ANTILLES TWR, 2333 s/on Sp to CA(Penn) Sp rel pgm 2355(Mohrmann)
- 9613v N.KOREA Pyongyang, Eng 1100-1200, //11764; assume 240 kw(Berghammer) Korean
talks in home service 2020(Padula)
- 9615 COSTA RICA LV de la Victor, exc 0245(Anderson) 2330(Berghammer) LA mx & ID 0332.
Sometimes IDs as R. Internacional(Akins) Occasional Eng IDs, on hour(Fisher)
News on half hour(Hagerman) US tunes 0400(Seth)
- 9616v S.VIETNAM VTVN, Vietnamese 1115(Berghammer)
- 9620 YUGOSLAVIA Belgrade, Eng nx & commentary 2200(Moeller, Pyatt)
- 9625 CANADA CBC, Eng 2300-2330; mx, sports(Benefield) Port to Brazil 2350(Mohrmann)
Sports news 0409-0416 in English; fair 25 June(Estand)
- 9625 ISRAEL Kol Israel, excellent signals in English 2050(Anderson)
- 9635 COLOMBIA R. Nacional, music at good level 1130-1200(Breton)
- 9640 VENEZUELA Ecos del Torbes, ID 1100; good (Mohrmann)
- 9645 COSTA RICA TIFC, English 0300-0400; poor (Fisher, Heggs)
- 9645 BRAZIL R. Cultura Pocos de Caldas, Portuguese 2330(Berghammer)
- 9650 AUSTRALIA RA, Darwin, lang news 1300; s/off 1330(Field)
- 9653 THAILAND TWBS, Thai 1030; 26 June (Berghammer)
- 9655 PERU R. Nor Peruana, instrumentals & IDs 0315; good lvl (Upton)
- 9660 ANGOLA R. Angola, Port 0530(Berghammer) Port Afr mx, ID 0600(Upton)
- 9665 SWITZERLAND SBC, Eng to UK, //11865; s/on (Byers, Michalenka)
Belgian Saigon. Eng cmtry 0900 on war(Padula)

- 570 SAUDI ARABIA Jeddah, Arabic 2030 (Berghammer)
 57 BRAZIL R. Diario da Manha, Portuguese 0930 (Berghammer)
 680v CUBA RHC, now sked 2200-0600 (Berghammer)
 680 ETHIOPIA ETLF, 0425 in English; poor with ID & music (Heggs)
 682 ARGENTINA R. Nacional, English 0300(Heggs, Rowell)
 685 ALGERIA Algiers, Arabic to 0000(Seth) Kabyl 2100(Berghammer)
 690 CHILE La Cooperativa, news 0100(Field) Sp mx pgm 0100(Breton) Excellent nitely around 0400 w/pops, ads (Upton)
 1595 BRAZIL R. Rio Mar, Manaus, Portuguese 1100; late (Berghammer)
 1700 FRANCE ORTF, English 0515-0530, //7155, 7255, 11920 (Berghammer)
 1700 BULGARIA Sofia, 2330 s/on Bulgarian to NA(Mohrmann) Eng to NA 0000(Banta, Byers)
 1705 BRAZIL R. Maua, Portugues 0930 (Berghammer)
 1705 S.AFRICA RSA, 2330 s/on Eng to NA (Mohrmann)
 1709v ARGENTINA R. El Mundo, Sp 2230(Berghammer) Good 0040 w/IDs, LA mx (Koukol)
 1710 ECUADOR HCJB, test 0600 w/German, //11915, 15115(Berghammer)
 1715 S.AFRICA R.RSA, to NA areaas 2330-0220, //5980, 9705(Berghammer, Niblack)
 1715 NETH ANTILLES R. Nederland, 0800-0920 Eng to ANZ (Berghammer)
 1719v SAUDI ARABIA SBC, Riyadh, Arabic 2200(Berghammer)
 1730 E.GERMANY RBI, s/on French 2100(Stark)
 1735 W.GERMANY D.Welle, fair in English 0140; "Germany Today" (Heggs)
 1740 EGYPT Cairo, Eng to Europe 2215, cmtry(Berghammer) Arabic 2100; Eng 2145(Pyatt)
 1744 MALI R. Mali, French 2230; loud het from HCJB (Berghammer)
 1745 ECUADOR HCJB, "Party Line" 0200 in English (Moser)
 1750 USSR R. Moscow English 1255-1300 s/off; good(Estand) Vladivostok listed(DF)
 1750 CHILE R. Minería, IDs 0001; M & W; music, talk, more music (Tuchscherer)
 1760 SPAIN RNE, Eng to NA 0200, QRM(Higgs) Eng 0300-0400; Sp mx(Rowell) Eng 0131-0148 s/off; man in English with travel talk & music (Estand)
 1760 GHANA R. Ghana, English news to NA 2008, over VOA (Banta)
 1769v HAITI 4VEH, Sp 2200; drifting several kHz(Berghammer) Eng s/on 1102; ID, then weather(Hagerman) Eng rel pgm 1300(Higgs) Eng 1335, //11835 (Moeller)
 1770 AUSTRIA OR, music 0330, fair; German, English, French (Rowell)
 1770 BRAZIL R. Min. da Educacao, Port 0900, //5990(Berghammer)
 1770 INDONESIA RRI, Djakarta, Indonesian 1115, //7268, not //11770(Berghammer)
 1772 PERU R. Amazonas, //4815, Andean tunes 1130 (Padula)
 1775 CONGO(DR) Kinshasa, Fr ID 2020; African rhythms (Potter)
 1780 ALBANIA Peking relay, 0300 s/on English (Mohrmann)
 1833 HUNGARY Budapest, English 0100(Byers, Moeller) English 0300-0330, //15160, 11910 (Rowell, Mohrmann)"Questions from Listeners" 0400(Caldwell) English 0400-0425 s/off(Estand)
 9912 INDIA AIR, English to Europe 2010 (Anderson)
 9915 ENGLAND BBC, WS 0400-0430; Eng to Europe (Berghammer)
 10224 N.VIETNAM Hanoi, excellent level, Vietnamese talks 0905(Padula)
 10530 KAZAKH SSR Alma Ata, news 0200 in language(Anderson)
 11445 CHINA R. Peking, s/on 2200 in Portuguese (Potter)
 11620 INDIA AIR, to Europe with news 2000(Anderson)
 11659v CHINA R. Peking, 2030-2130 Spanish to Europe (Berghammer)
 11690 RSFSR(As) Moscow Japanese 1030, via Petropavlovsk (Berghammer)
 11695 CHINA CPBS, French to Africa 2153 (Potter)
 11697 CLANDESTINE Peyk-ye-Iran, Persian 1630(Berghammer)
 11700 GUATEMALA R. Nacional Quezaltenango, excellent 0030 in Spanish (Haines)
 11706v GUATEMALA R. Nac. Quezaltenango, Sp 1430; still wondering (Berghammer)
 11705 SWEDEN R. Sweden, good in Eng nx 0330(Caldwell, Heggs, Soneff, Tuchscherer) Eng to FE 2045-2115(Berghammer)
 11708v ARGENTINA RAE, Eng to Eur 2300(Berghammer) 11710, Eng 2303, nx(Koukol)
 11710 AUSTRALIA RA, 1114 s/on English to ECNA (Mohrmann)
 11715 SWITZERLAND SBC, English 0130, good(Byers) End Eng to NA 0540; poor(Randall)
 11715 PHILIPPINES VOA, Malolos, Eng 1300 (Berghammer)
 11720 BRAZIL R. Nac. Brasilia, Portuguese 0200 (Moeller)

- 11720 CANADA CBC, French news headlines 1210; also end Fr, begin Eng 0530(Randall)
 11720 CHINA R. Peking, Eng to ANZ, 0930-1030, //11600(Berghammer)
 11725 PORTUGAL RFE, IS repeated, s/on 0400 w/Rumanian "Aici e R. Europa Libera";
 Lisbon listed (Hirst)
 11725 INDIA AIR, English to ANZ 1000-1100 (Berghammer)
 11730 ETHIOPIA ETLF, nx & rel pgung 0245. QM R. Nederland (Haines)
 11730 NETH ANTILLES R. Ned., 2214 "Dutch Hit Parade"; s/off 2250(Mohrman) Eng to NA
 0200; DX Jukebox Thursday (Fri GMT. DF) (Glavich, Byers, Hedstrom) S/off 0500
 (Estand)
 11735 YUGOSLAVIA R. Belgrade, Sp to LA 0000-0030, //9620, 7200(Berghammer)
 11740 MEXICO La Charita, good 0030 in Sp; VOA leaves at this time(Tuchscherer)
 11745 VATICAN Vatican Radio, Eng to ANZ 2205-2215 (Berghammer)
 11750 MALAYSIA(Malaya) BBC FES, World Service news 2300; QRM Havana (Mohrman)
 11755 ECUADOR HCJB, Russian 1600-1700, to Americas; not TWR; Sun only(Berghammer)
 11760 CUBA Havana, Sp pops, comment 1625 (Mohrman)
 11764 N.KOREA Pyongyang, Mandarin 1000-1100, //9613 (Berghammer)
 11765 BRAZIL R.dif. São Paulo, Port 0130(Berghammer) Good 1015 in Port (Fisher)
 11770 NIGERIA NBC, end Eng, begin Fr 1930(Anderson)
 11770 INDONESIA(Java) RRI, Djakarta, Indonesian 1030, sometimes //7268; QRM
 R. Monagas(not Maturin). (Berghammer)
 11780 ARGENTINA RAE, Eng nx 0300-0330(Caldwell) 11781v, Sp 0245(Berghammer)
 11780 ENGLAND BBC, Russian beginning 0345 (Soneff)
 11780 AUSTRALIA RA, 2228 IS, begin Indonesian 2230(Potter)
 11789v CHINA R. Peking, Russian 1100-1200; jammers(Berghammer)
 11790 EGYPT Cairo, tests to Europe 21 June & 22 June, 1830-2300. Want reports to
 UAR BC Corp., P.O. Box 566, Cairo. English ID 2200. Later gave anmts in Arabic,
 French, German, Italian. Other fqys testing: 9530, 9630, 9740, 9755, 11890,
 11955, until end of June (Berghammer, Niblack)
 11790 AUSTRALIA RA, Eng ID, then Thai, 1329, and //9540(Tuchscherer)
 11795 ECUADOR HCJB, test in Dutch 0600, 26 June. Parasitics everywhere(Berghammer)
 11800 CEYLON Colombo, CBC, Tamil Svc 1200; mostly oriental chants & music (Haines)
 11800 CANARY IS RIE, Sp ID & mx 2233(Barman) Sp mx 0330(Caldwell)
 11805 BRAZIL R. Globo, Port ID 2159(Hagerman) Exc in Port from 0045(Haines)
 11810 ITALY RAI, Eng to NA 0100-0120(Caldwell, Heggs) S/on Italian 0140 (Moser)
 11815 POLAND Warsaw, s/on Polish 0200; low modulation (Berghammer)
 11820 MEXICO El Heraldo de Sonora, Sp 1400(Berghammer)
 11825 TAHITI R. Tahiti, good signal in French 0445 (Fisher)
 11835 ALGERIA Algiers, excellent 1230 w/Eng pops (Anderson)
 11835 HAITI 4VEH, Eng & mx 1320(Higgs) Eng 1330, //9770(Moeller)Eng, mx 2330(Koukol)
 11835 URUGUAY El Espectador, fair 0205 w/nx, IDs in Spanish(Koukol)
 11840 PORTUGAL R. Port., to Canada; Fr 0215-0300; Eng 0300-0345(Rowell)
 11840 E.GERMANY RBI, Eng to WONA 0330; Ger 0345-0415, //11970, 15450(Rowell, Berghammer)
 11845 MOZAMBIQUE RCM, Portuguese w/lively music 0530(Seth)
 11850 GHANA R. Ghana, Afr R&R 2045, //9760 - much weaker(Upton)
 11850 MALAYSIA(Malaya) BBC FES, NE, s/on 0000 w/WS, //9570 (Padula)
 11850 NORWAY R. Norway, Eng ID 0327; poor(Soneff) Eng to NA 0400(Upton)
 11854v SAUDI ARABIA Jeddah, Arabic 2200(Berghammer)Arabic 2130(Koukol) Chanting and
 some talk 2234; off 2247 w/anthem (Tuchscherer)
 11855 NETH ANTILLES TWR, 0357 s/on w/anmts, Russian 0400; Serbo-Croat 0430(Tuchscherer)
 11860 NORWAY R. Norway, IS 0058; Norwegian 0100(Moser) 0300 Nor. vx; Eng ID(Heggs)
 11866 BRAZIL R. Gl. Pernambuco, Port 2130; QRM SBC (-1) (Berghammer)
 11870 POLAND Warsaw, Eng 0325, 20 June; strong(Upton) 0315-0345Friday(Breton)
 11875 NICARAGUA Rdif. Radio de Nicaragua, ID 1443(Breton) Sp 1730(Moeller) Eng lessons
 2311(Koukol) Sp 0000(Pyatt) Good evenings, in Sp(Fisher) 11870, ID 0100 (Field)
 11880 AUSTRALIA RA, Eng nx 1030(Tuchscherer) 1110 end Eng nx (Mohrman)
 11885 ROMANIA Bucharest, Eng to ENA 0130-0230(Berghammer) Eng 0300; QRM heavy(Seth)
 11890 RSFSR(Eur.) Moscow Eng nx 0200(Moeller) Russian 2040(Koukol)
 11896v SENEGAL R. Senegal, French 1400(Berghammer)

- 11900 TUNISIA Tunis, often under RS Atlantica; 1428 (Anderson)
 11900 S.AFRICA RSA, Eng nx 0645(Tuchscherer)
 11900 RSFSR(Eur) Moscow Eng 0230 to ENA. Mention Stalin injustices (Sizer)
 11910 HUNGARY Budapest, English news 1935(Michalenka) Fair 0100 in English(Caldwell)
 0305 English to NA, fair(Akins, Heggs)
 11920 W.GERMANY D.Welle, 2300 s/on German; past 2330 w/nx, mx (Moser)
 11920 KUWAIT KBS, poor 1620 mixing w/ORTF (Potter)
 11920 PHILIPPINES FEBC, Eng ID 1230; lang; Eng nx & pgm summary 1245(Tuchscherer)
 11920 IVORY COAST Abidjan, s/on 0600 w/anthem, ID, pops(Barman) Excellent 0620 w/Fr
 & Afr mx(Haines) Eng nx & Afr mx 1835(Moeller) Fr, Afr mx 2110(Upton) Fr 2309-
 0000 s/off; good(Breton) Native tunes 2315; gaining strength(Hirst)
 11925 UZBEK SSR Tashkent, Eng 1200(Moeller) S/on Eng 1400; poor to unuseable(Heggs)
 English talk 1425(Anderson)
 11935 PORTUGAL R. Port., Eng 0240, s/off 0245(Hedstrom) Eng to WNA 0405(Mohrmann)
 11940 RUMANIA Bucharest, end news 1940; DX 1325, Thursday, //15250(Anderson)
 11945 LIBERIA ELWA, Eng nx 0600; commentary; excellent(Caldwell)
 11945 ENGLAND BBC, French to Europe, s/on 2230(Soneff)
 11945 W.GERMANY D.Welle, Eng to Asia, s/off 0220(Heggs) Eng to WNA 0435-0555,
 // 9545(Rowell)
 11948 PARAGUAY R. Encarnacion, fair 0026 w/ID, Sp mx (Koukol)
 11949 S.VIETNAM VTVN, Vietnamese 1015 (Berghammer)
 11950 SWEDEN R. Sweden, SCDX 0045(Michalenka) Poor 0200 w/Eng to NA(Heggs)
 11955 EGYPT Cairo, test here 29 & 30 June to Europe; 1830-2300(Anderson, Niblack,
 Berghammer)
 11955 POLAND Warsaw, 0200 s/on Polish, //11815 (Berghammer)
 11960 USSR "Kiev" 0450 fair w/DX pgm to NA(Heggs)
 11960 CZECHOSLOVAKIA Prague, Eng to UK 1200, //9560, 15285(Anderson) 1210 talk on
 telecommunications in English; light music 1215 (Tuchscherer)
 11965 PHILIPPINES VOA, Poro, Cantonese 1000 (not usual Mandarin) (Berghammer)
 11970 E.GERMANY REI, Eng 0330; bad QRM from jammer (Berghammer)
 11970 GRENADA WIBS, fair in Eng 0105(Hedstrom) Local nx in Eng 0205; exc(Koukol)
 11975 LIBERIA ELWA, Eng nx 0615(Higgs) Eng 0700 Sundays (Haines)
 11990 CZECHOSLOVAKIA Prague, Port 2150(Mohrmann) Eng nx 0110, then DX pgm(Moser)
 0300 ID & news (Glavich) Eng to NA s/on 0330, //7345(Haines) Eng talk on
 medical system in Czechoslovakia 0345(Caldwell)
 12000 AUSTRALIA VNG, time stn, 0500(Seth) 0500-0930(Haines)
 12005 EGYPT Cairo, Sp to LA 0245(Sizer) Arabic chanting 0150; ID 0200; nx (Moser)
 12010 USSR "Hovorit Kiev" s/on 0430(Mohrmann) Moscow Eng 0505(Heggs) List Novosibirsk
 on 12010; Khabarovsk 12015(DF)
 12095 ENGLAND BBC, to ME 0400(Mohrmann) Lang?(DF)
 13856 USA RCA Comms., Rocky Pt., LI, NY, 29 June, blind test for relay of oldtimers
 nite at Shea stadium; 0012 SSB on organ, crowd singing (Hauser)
 14660 RYUKYU IS WUNC, strong 1802 w/Korean ID, talk by man (Koukol)
 15000 HAWAII WWVH ID 0445 & 0500, prior WWV ID, 26 June(Estand)
 15008 N.VIETNAM Hanoi, Viet 1800(Rowell)
 15020 N.VIETNAM Hanoi, English 2000(Anderson)
 15030v CHINA Peking, Eng 1930-2130(Berghammer) S/on Russian 0000(Potter)
 15040 CLANDESTINE R. Euzkadi, Sp ID 2200(Akins)
 15055 CLANDESTINE R. Euzkadi, asked for reports in Eng 1950(Seth)
 15080 CLANDESTINE R. Euzkadi, Sp nx 2200(Mohrmann)
 15080 CLANDESTINE R. Euzkadi, 2045 Sp/Basque; good (Moeller)
 15090 EGYPT Cairo, Arabic 1905(Mohrmann) 2115(Randall) 2235(Koukol) All Arabic,
 most of the day; s/off 2330 (Rowell)
 15095 LIBERIA ELWA, Arabic 1955(Potter)
 15100 RSFSR(As) Krasnoyarsk, English pgmg 0012; WRTH says to LA (Akins)
 15104 GRENADA WIBS, cricket 1330, English (Berghammer)
 15105 JAPAN R. Japan. s/on Eng 0600 (Berghammer)

- 5110 NEW ZEALAND RNZ, English 0530-0546 (Soneff)
 5110 MEXICO R. Dif. Comerciales, Sp 1235(Randall) Sp mx 1830(Caldwell)2045(Mohrmann)
 5120 FRANCE ORTF, French ID 1930(Moeller)
 5123v BRAZIL R. Soc. da Bahia, Portuguese 1530 (Berghammer)
 5125 PORTUGAL R. Port., Port to Brazil 0100-0200; to US 0200-0430 in Eng & Port;
 0445-0700 Port to Eur/Afr; Fr to Eur 0700-0745; German 0745-0830(Rowell)
 Eng 0200(Estand) DX Magazine 0235(Heggs)
 5132v FRANCE ORTF, 0030-0100 Sp to LA, //15120; many fqys now drifting(Berghammer)
 5135 IRAN Teheran, fair 2000 w/Eng nx, then pops, to 2026 when Eng s/off(Koukol)
 5135 SWITZERLAND SBC, Eng to SEA 1315-1415, //17845, 21520 (Berghammer)
 5140 RSFSR(Eur) Riazan, Moscow Eng to S.Asia 1500(Berghammer)
 5143 BRAZIL R. Jornal do Comercio, Portuguese 1530(Berghammer)
 5145 AUSTRIA OR, 0000-0200 four languages to CA (Berghammer)
 5150 BYELORUSSIAN SSR Moscow English 0100, via Minsk(Stark)
 5150 USSR "Vilnius" Fri 2230-2300. Kiev pgmg same fqy, same time, same day!(Padula)
 5151 SAUDI ARABIA Jeddah, Arabic 1530; QRM USSR(-1) (Berghammer)
 5160 NETH ANTILLES TWR, Eng 2000; anncd test, want reports(Tuchscherer) English 2035
 (Alpert)
 5160 TURKEY Ankara, English 2200-2230(Barman, Breton, Anderson, Hedstrom, Randall,
 Moeller, Higgs, Pyatt)
 5165 DENMARK R. Denmark, Danish 1400(Anderson) English 1916(Tuchscherer) Language
 1730(Caldwell)
 5165 SYRIA Damascus, French 1845 (Alpert)
 5170 USSR Moscow English to Europe 2000, //15420 & others(Anderson)
 5170 PHILIPPINES R. Veritas, lang 1230, 29 June under RFE, etc(Berghammer)
 5170 E.GERMANY RBI, Fr to Afr 1515-1600, //21475, 21600 (Berghammer)
 5185 FINLAND R. Finland, end Eng 1114(Anderson)S/on to NA 1500(Estand) English to
 NA 2300-2330 (Barman, Higgs, Penn)
 5185 FRANCE ORTF, English to Brazzaville 1915-1930 (Berghammer)
 5190 CANADA CBC, Eskimo news 0300(Berghammer)
 5195 CUBA Havana, French 2130, 27 June (Stark)
 5195 ECUADOR HCJB, Russ to Americas 2230-2300, ex 15115(Alpert, Berghammer)
 5197v RUMANIA Bucharest, 0000 Sp to LA, //15250; tx hum 10 July(Berghammer)
 5200 S.AFRICA RSA, NF, ex 21545, Eng 1000-1050, //15220, 17815; well hrd(Padula)
 5200 AUSTRIA OR, 2000-2200 multi lang to E. Afr; QRM Moscow (Berghammer)
 5200 NETHERLANDS R. Nederland, new, 1730 Dutch; 29 June, Sunday(Berghammer)
 5205 USA VOA, Gvl, s/on Bulgarian 0445(Alpert)
 5215 PORTUGAL RFE, Polish.0830; anmt in Polish, English, French(Anderson)
 5220 NETHERLANDS R. Nederland, English to NA 2130-2250(Moser) Mx 2145(Randall) DX
 program in English 2150, //15425; differs from sked(Tuchscherer) This is listed
 in an updated sked received not long ago. (DF)
 5220 AUSTRALIA RA, s/on French 0500; good(Mohrmann)
 5220 S.AFRICA RSA, Eng to ME 1700-1750, //21535(Berghammer)Eng to Australia 1000
 (Potter)
 5224v BRAZIL R. Cult. da Bahia, Port 1815, thru VOA, 21 June (Berghammer)
 5230 CEYLON R. Ceylon, English 0230, under Havana (Berghammer)
 5230 CUBA Havana, 0130 still over Ceylon w/Sp to Americas (Penn)
 5240 AUSTRALIA RA, 0600 Eng to S. Pac.; sked 0200-0800 (Berghammer)
 5240 SWEDEN P. Sweden, lang 1830, fair(Caldwell)Swedish list(DF) Eng 1900(Tuchscherer)
 5245 CONGO(DR) Kinshasa, 0546-0707 Fr nx, mx, native nx, mx(Tuchscherer)
 5245 USA KGEI, San Francisco, 0310 Sp ID & Latin pgmg (Akins)
 5255 ECUADOR HCJB, "Concert Hall" in Eng 0630, //11795, 15325; parasitics & hum
 (Berghammer)
 5255 E.GERMANY RBI, 1915-2000 Arabic to ME (Berghammer)
 5255 USSR "Vilnius" English commentary 2230 (Higgs)
 5264 BRAZIL R. Exclsiar, Portuguese 0830 in Eng (Berghammer)
 5265 AFGHANISTAN Kabul, English 1800-1830, annc //11790(Anderson, Banta, Berghammer,

15. MOROCCO VOA, Tangier, Breakfast Show 0430(Alpert) Latvian 1500(Anderson)
 15270 SYRIA Damascus, English 1930 to Europe, ex 15165(Berghammer)
 15270 VATICAN Vatican Radio, Armenian 1550-1600, ex 15120(Berghammer)
 15275 W.GERMANY D.Welle, Eng talk on cancer 2137(Tuchscherer) Eng to ANZ 2155(Randall)
 15275v POLAND Warsaw, Polish 0330, //11815 (Berghammer)
 15280 USSR R. Moscow, s/on 1500 in oriental lang(Anderson)
 15280 NEW ZEALAND RNZ, music 0500(Seth) Eng cmtry 0520; s/off 0545(Heggs)
 15285 CUBA Havana, RHC, 0207 man & woman preaching the news in English (Stark)
 15285 VATICAN Vatican Radio, s/on Eng to NA 0049(Heggs, Higgs)
 15284v LEBANON Beirut, Eng 0230(Berman, Berghammer, Heggs, Higgs) 0130(Potter)
 15285 RUMANIA Bucharest, Yiddish 0230, //15250 (Berghammer)
 15290 MOZAMBIQUE R.Mi, seems to replace 15295(that freq used by Paris). Noted with
 "A" pgm around 0730-0930, with gongs, pop songs, interviews(Padula)
 15295 FRANCE CRTF, French program 1800(Caldwell)
 15300 CUBA Havana, excellent 2238 w/Spanish songs(Koukol)
 15300 ECUADOR HCJB, Rumanian 1800-1830, //17881v (Berghammer)
 15300 JAPAN R. Japan, English in Gen Svc 1600, over BBC(Berghammer)
 15305 SWITZERLAND SBC, 0130-0225, good(Byers) S/on Ger 0600; QRM Moscow(Soneff)
 15310 GUINEA Conakry, 0643-0705 mx, mostly native; several nights(Tuchscherer)
 15315 SWEDEN R. Sweden, Eng 1300(Seth) Interview w/Arthur Cushen & wife at 1408
 (Tuchscherer) Eng 1600-1630; DJ pgm & pen pals(Estand)
 15325 CANADA CBC, Eng to No. Canada 1631 (Mohrman)
 15340 ITALY RAI, lang ID 0305(Soneff)
 15345 NORWAY R. Norway, good in English 2210(Tuchscherer)
 15350 LUXEMBOURG R. Luxembourg, French, popmusic(some Eng); 1741(Moeller)
 15355 USA WNYW, nx, wx; bilingual svc in Sp & Eng (Tuchscherer)
 15360 LIBERIA VOA, Monrovia, Eng ID 1829; then lang (Moeller)
 15364v CANARY IS RNE, 0030 Sp, het from Prague(Berghammer) S/off Sp 0359(Stark)
 15365 NIGERIA VoN, s/on Eng 0600, strong(Seth, Hagerman) Nx & anti-Biafra commentary
 0705(Moeller) 15366v, Eng to Europe 1530-1630(Berghammer)
 15365v CUBA RHC, Eng nx 0200, ex 15285 (Berghammer)
 15370 BRAZIL R. Tupi, 2305 Port ID, "noticias"(Hagerman) Port ID 0100, poor(Seth)
 15386v LEBANON Beirut, Eng 1830, ex 15350, 15 June; het Moscow(Berghammer)
 15405 W.PAKISTAN Karachi, 2000 to UK; Urdu nx, then Eng nx(Anderson)
 15410 ITALY RAI, 0100 s/on Eng to NA; excellent(Heggs)
 15411v W.PAKISTAN Karachi, 1945-2030 Eng to UK, //11924v, 14 June (Berghammer)
 15415 USA UN HQ (VOA, Gvl, tx) UN nx 1830-1900 Sat in Eng, Fr, Sp Arabic(Sizer)
 15415 AFGHANISTAN Kabul, 1200 Pushto/Dari; rptd 17780 unhrd 22 June(Berghammer)
 15425 AUSTRALIA ABC, Perth, English 1000(Berghammer) Eng 0710, strong(Potter)
 15425 NETHERLANDS R. Nederland, s/off Eng to NA 2250; QRM a Latin stn (Penn)
 15430 S.KOREA Seoul, Eng nx, cmtry, mx 0300; good(Caldwell)
 15430A USSR RS Atlantica, talk 1300(Anderson)
 15435 RWANDA D.Welle, Eng 1745-1845, ex 17765(Alpert, Berghammer, Caldwell, Homan,
 Moeller) French 1930-1945, then Hausa; strong (Hirst)
 15436v TANZANIA R. Tanzania, s/on language 1700; QRM DW, BBC(Berghammer)
 15440 USSR R. Peace & Progress, s/on oriental lang 1030(Anderson)
 15445 CONGO REP CRTF, Brazzaville, pops & Eng nx 0500(Tuchscherer) Eng 0630(Akins)
 S/off English 0637(Hagerman)
 15465 USSR R. Moscow in Russian 0606; no listing for this one (Dexter)
 15465 SUDAN SBS (!) 0420-0514, 1 July, Arabic w/nx 0430; clear ID; comment on Yemen;
 //4994, 9508. New freq? Or receiver produced?(Hagerman)
 15505 CLANDESTINE R. Espafia Indep., Sp 0605; in & out from a jammer(Hagerman)
 15518 E.PAKISTAN Dacca, usual opening at fair lvl 0100, but signal drops way off by
 0130(Dexter) English news 0217 (Moeller)
 15735 TUNISIA R.T., Arabic lang & music 1800, good(Caldwell) Is that freq correct?(DF)
 15790 USSR R. Moscow, 0325 Sp; pause 0328; rx 0330. Probably fixed, but AM tx(Hauser)

- 16014 USA RCA Global Comms, NY, 0157 Yankees/Seattle BB sponsored by Atlantic; spaces for local IDs by relayers. Game over 0315; marker to 0318 off(Hauser)
- 17655 EGYPT Cairo, "Voice of Africa" pgm w/Arabic by Radio 2000(Anderson)
- 17665 EGYPT Cairo, 1847 English news(Tuchscherer) New freq?(DF)
- 17675 CHINA R. Peking, Eng to NA 0000(Seth)
- 17690 EGYPT Cairo, 0232-0257 English "listeners mail" (Homan)
- 17705 INDIA AIR, fair 0115 s/off English(Koukol)
- 17715 AUSTRIA OR, new freq, s/on under BBC same freq, 0448(Hagerman)
- 17715 CHINA Peking, Eng to 0158, ann //17805, 7120(Tuchscherer) Eng 0245(Heggs)
- 17715 ENGLAND BBC, Arabic around 0500(Hagerman)
- 17720 TAIWAN VOFC, Eng nx 0200(Stark) 0245, good sig(Berghammer) Eng nx 0255(Higgs) English news 0300(Tuchscherer)
- 17725 PORTUGAL RFE, see July, correct freq is 17725, not 17770(Hagerman) Tnx(DF)
- 17725 JAPAN R. Japan, Sp to LA 0230-0300(Berghammer)
- 17730-1 IRAN R. Iran, 2125, 27 June, varying between these freqs 25 times/minute; music, s/off 2130(Hauser)
- 17735 IRAN R. Iran, Eng 2000; anncd this freq(Fisher) Persian 1540, Russ 1730, Turkish 1800, Arabic 1830, German 1900, Fr 1930, Eng 2000, Persian 2030-2125(Rowell)
- 17737A IRAN R. Iran, 2005 nx, records; lang 2030; BBC on 17740(Tuchscherer)
- 17740 IRAN R. Iran, 1830-2030, Eng 2000(Homan)... Pick a freq, any freq!(DF)
- 17736v CHINA R. Peking(maybe Tirana tx?), unsked s/on Sp 1130(Berghammer)
- 17740 E.GERMANY RBI, Arabic to ME 1000-1400, //15130, etc(Berghammer)
- 17745 RSFSR(Eur) Moscow Burmese, via Kursk tx (Berghammer)
- 17760 USSR Moscow English 2300-2330(Byers)
- 17765 PHILIPPINES VOA, Tinang, 250 kw, Burmese 1400(Berghammer)
- 17780 TAIWAN BCC, English 0200; poor w/fading (Seth)
- 17783v EGYPT Cairo, Lingala to Congo 1900-1945(Berghammer)
- 17885 JAPAN NHK, 1905 Eng nx(Moser) Eng 2000(Berghammer) Eng 2300(Seth)
- 17790 RSFSR(As) Krasnoyarsk listed, Moscow Eng nx to WCNA, to 0330; annc //17870, but unheard here(Sizer)
- 17795 HUNGARY Budapest, rare freq, s/on 2328 w/IDs; Sp 2330. Unlist this time(Padula)
- 17795 ITALY RAI, Rome, Amharic 0415, Italian 0535, Somali 0510, Arabic 0535-0555 (Rowell)
- 17800 VATICAN Vatican Radio, new freq, Port 0000(Potter) Bells 0010; then French; no strian level (Niblack)
- 17810 ENGLAND BBC, Afr Svc 1345-1415 Hausa (Berghammer)
- 17810 VATICAN Vatican Radio, English 0050(Tuchscherer)
- 17815 ITALY RAI, Italian to Australia 0601; fair(Higgs)
- 17815 UKRAINIAN SSR Simferopol list, Hausa 2000(Berghammer)
- 17815A USSR R. Peace & Progress, Sp cmtry, Sp ID 0423; off 0430(Mohrman)
- 17820 CANADA CBC, French to Europe 1130, //15320(Anderson)
- 17820 AUSTRALIA R. Australia, French commentary 0546; fair(Heggs)
- 17820 LEBANON Beirut, s/on Port to LA 2300; mixed Moscow(Padula) Anthem 0100(Seth)
- 17825 JAPAN NHK, begin English to NA 0200(Stark)
- 17840 CZECHOSLOVAKIA R. Prague, 1615 English talk on future of India(Tuchscherer) English travel pgm 0140; read two letters from Rhode Island. (Michalenska)
- 17840 SWEDEN R. Sweden, multi lang ID 0445(Seth) English to Asia 0515(Padula) English stamp collecting program 0535; to S.Asia(Heggs)
- 17840 W.GERMANY D. Welle, English to E. Asia 0920-1020, //11795, 17765, 21560 (Berghammer)
- 17850 CUBA REC, Fr to Europe 1700 & 1900(Penn) French 1855(Potter) French 1930 (Mohrman) English 2050(Alpert)
- 17855 BELGIUM RTB, French 1900; down 5 kHz (Berghammer)
- 17855 RWANDA D. Welle, Arabic 2330(Seth) 0050- past 0230 test in German, English, French 6 language every 15 minutes; 16 June(Homan)
- 17880 ECUADOR HCBT, 1615 with English mail to Caribbean; Sat & Sun only. Also 1900 with English to Europe. Good both times.(Fern.)

- 180A USSR "V. of Yerevan", English 0325; anned 17300, 15100(Tuchscherer) I have Khabarovsk & Petropavlovsk listed (DF)
- 189 USSR Armivir list, R. Mayar, Russian s/on after IS 2200; light music(Hagerman) Komsomolsk also listed (DF)
- 190 USSR Moscow Eng to S. Asia 1600(Berghammer) "Kiev" Eng to NA 0030-0100, Monday, Thursday, Saturday (Hedstrom)
- 191 GHANA R. Ghana, 1500-1545 English to S. Africa, //21545(Berghammer)
- 194v W.PAKISTAN Karachi, 1400-1545 w/ E. Pakistan Svc(Berghammer)
- 194v W.PAKISTAN R. Pak., Karachi, 1730-1830 Arabic to ME; not Cairo(Berghammer)
- 1450 E.GERMANY RBI, Eng mailbag to Africa 1345(Penn)
- 1455v NIGERIA VoN, 1730-1930 English, French 1930(Berghammer)
- 1475 E.GERMANY RBI, Eng nx 1817, //21600 also heard(Tuchscherer, Berghammer)
- 1485 VATICAN Vatican Radio, 1155-1205 English to Africa(Berghammer)
- 1495 PORTUGAL R. Portugal, Portuguese 2300(Seth)
- 1505 RSFSR(Eur) Moscow Burmese 1030, //17745(Yerevan?) (Berghammer)
- 1520 E.GERMANY RBI, s/on German 1700; record pgs; excellent (Tuchscherer)
- 1525 KUWAIT KBS, Arabic talks, music, around 0915(Padula)
- 1525 USA WNYW, English with music at 2330(Seth)
- 1535 S.AFRICA R.PSA, stock market report in Afr Svc at 1140(Anderson)
- 1540 E.GERMANY RBI, English to S. Asia 1330-1415; het(drifting) (Berghammer)
- 1540 AUSTRALIA RA, Eng nx to S. Asia 0230(Berghammer)
- 1545 GHANA Tema, Afr mx 1530; s/off 1545; sked from 1500, //17910(Hirst) English news 1504(Tuchscherer)
- 1560 ITALY RAI, 1840-1905 s/off with ID as "Voice of Italy". Something new?(Tuchscherer)
- 1570 NETHERLANDS R. Nederland, excellent 1830 s/on English to Africa(Moser) "Jazz from Holland" at 1907 (Tuchscherer)
- 1580 FRANCE ORTF, English to Brazzaville 1915-1930, //15185(Berghammer, Tuchscherer)
- 1585 SWEDEN R. Sweden, English 1408; discussed new Saab 99(Tuchscherer) English to ME 1600 after IS; adjacent channel splatter (Hirst)
- 1590 W.PAKISTAN Karachi, dictation news to Indonesia 0840(Anderson)
- 1615 RSFSR(Europe) Moscow Hausa 1830-1900(Berghammer)
- 1620 FRANCE ORTF, French news 1920(Tuchscherer)
- 1625 ENGLAND BBC, Arabic Svc 1745, Arabic songs; 22 June(Hirst)
- 1640 JAPAN NHK, English to NA 0130(Penn) Eng to NA, LA, Hawaii 0205. Only readable fgy of those they list(Higgs) English news 0220-0230(Tuchscherer) Sp to LA 0230 (Berghammer) 0330 Sp ID & off; fair(Akins)
- 1645 RSFSR(Eur) Moscow English to Africa 1930-2000(Berghammer)
- 1650 W.GERMANY D. Welle, 1120-1220 Japanese, //15245, 17705 (Berghammer)
- 1655 NORWAY R. Norway, Sunday 1600; fair in English with news & commentary(Heggs)
- 1670 NORWAY R. Norway, Norwegian to N. Atlantic 1900-2030(Berghammer)
- 1680 KUWAIT KBS, Arabic songs 1634 "Houna Kuwait"; into Arabic drama(Hirst)
- 1685 EGYPT Cairo, 1630-1650 w/Arabic mx & talks; one ID, by woman(Niblack)
- 1730 NORWAY R. Norway, Sunday 1600 Eng nx & commentary(Heggs, Moser, Tuchscherer)
- 1735 CZECHOSLOVAKIA R. Prague, Eng news 1535, past 1600(Moser) English 1615 to Africa and Asia; IS 1625(Heggs, Tuchscherer)
- 1740 AUSTRALIA R. Australia, good signals to NA with English 0100-0300(Berghammer, Penn, Seth, Soneff, Tuchscherer)
- 1750 ENGLAND BBC, World Svc 1630; near fadeout(Berghammer)
- 1750 ENGLAND EBC, African Svc s/on 1630(Berghammer)
- 1750 ENGLAND BBC, Japanese 1100-1130(Berghammer)

Tentative loggings and unidentified loggings are listed on the next page. I thought perhaps it might be more useful to list tentatives at the end of the section. If you have any comments, criticisms, or suggestions I'd be happy to hear from you. Send me your name, too.

TENTATIVE LOGGINGS

- 3370 MALAGASY REP R. Universite, 0030 French under CW; excellent skip to Southern Hemisphere 16 June (Berghammer)
- 3974 INDONESIA RRI, Surabaya, probably the carrier here 1015, 2 July (Berghammer)
- 4826 RHODESIA REC, Salisbury, probably the one s/on 0400, 13 July (Berghammer)
- 5017v BILIVIA R. Universo, Sp 0130; QRM R. Carora, 5018 (Berghammer)
- 6069v BOLIVIA R. El Condor, probably the LA here 0030 in Sp; very hard to raise thru CFFX & R. Reloj splatter; 13 July (Berghammer)
- 7210 N.VIETNAM music programming 1130; fair signal (Fisher)
- 9754 BRAZIL R. Brasil Central, Goiana, 2330 Port "futebol"; seems dual to 4995, 9 July; QRM Chile on 9753 (Berghammer)
- 11865 CYPRUS BBC EMR, 2245 anncd pgm in Viet; noisy 21 June (Upton)
- 15306v SAUDI ARABIA Jeddah, seems //11854; can't pull out of QRM; 1730 in Arabic. Would be ex 15238, 15257. 29 June (Berghammer)
- 15315 W.GERMANY DW, 0602 Arabic, but not sked this lang in WRTH (Soneff) Latest DW sked does show Arabic on 15320 at 0520-0650 (DF)

UNIDENTIFIED

- 9620 lang 1130; Asian flutter (Berghammer)
- 9630 lang 1130; Asian flutter (Berghammer)

REPORTERS THIS MONTH

- Ron Akins, W0SIV, Mo., DX-150
- David R. Alpert, Ill. NC-190, Star Roamer
- Richard Anderson, W.GERMANY
- John Banta, NY, SX-110
- Greg Barman, Ill., Star Roamer
- David Benefield, Texas, Star Roamer
- Bill Berghammer, NY, R-4A
- Joseph A. Breton, Mass., SW-4A, Panasonic
- Robert E. Byers, Ontario, GR-64
- Stanley F. Cabral, Calif., R-530
- Bill Caldwell, Calif., SW-4A
- Gerry L. Dexter, Wis., HQ-180
- Bob Estand, Texas, DX-150
- Dan Ferguson, Fla., SB-310
- Marlin A. Field, Mich. SX-100
- George Hewitt Fisher, Colorado (?)
- Wallace Glavich, Calif., R-530
- Bob Hagerman, Mich, Star Roamer
- Bruce Haines, Colorado, SW-4A
- F. Earle Hall, Mass., HQ-180A
- Glenn Hauser, Colorado, HQ-160
- John Hedstrom, Ill., CE, circa 1935
- R. S. Heggs, B.C., SB-310, GR-54
- Bill Higgs, Maryland, HQ-180A
- Del D. Hirst, Texas, HQ-100
- Jim Homan, Mo., R-100
- Craig Koukol, Ill., SX-130
- Henry Michalenka, R.I., GR-54
- Scott Moeller, Pa.,
- Mark Mohrmann, NY, S-120
- Robert Moser, Ill., SB-62A
- A. R. Niblack, Ind., SX-100II

- César Objío, Dominican Republic, S-10S
- Bob Padula, Australia, CR-100
- Bob Penn, Ga. KT-320
- Edward J. Pyatt, Ga., RCA GR-10
- Harrison Randall, Mass., Telefunken
- Sam Rowell, Wash., DX-150
- Michael Seth, NY, SW-4A
- Al Sizer, Conn., DX-150
- John T. Soneff, La., HQ-180A
- Chris Stark, N.S., S-120
- John D. Tuchscherer, Wis., HQ-100A
- Tom Upton, Texas, HA-230
- ***Our thanks to those checking in for the first time and to the regulars. We hope to see YOUR name in the list next month.***
- With a little bit of space left, we'll include a few items just in from member Niels Falsig, Aarhus, Denmark.
- 5955 R.Gazeta, Brazil, ID 2312, 10/6
- 5965 R.Guaiba, Brazil, ID 0007, 10/7
- 9615 LV de la Victor, CR, nitely after 0000
- 9635 R.Nac Col., nitely after 0000
- 9665 R.Nac Brasilia, ID & lt mx 2345, 1/7
- 9695 R.Rio Mar, 2355-0000 pops, ads, 27/6
- 9710 R.El Mundo, Argentina, tentative, Spanish talks 0030, 28 June
- 9740 Cairo, Eng to Eur 2300, new fqy; QRM
- 9753 R. Minería, Chile, powerhouse nitely 2215-0000 when covered by R. Liberty.
- Alan Roth, Conn., says FEBC Seychelles is on air on 1765 at 0030-0330 & 1300-1600. On 1755 at 1300-1600 & 1700-2000; 3 kw. Not heard in Connecticut yet.73, Dan

* * * * * FLASH

Last minit news/tips



SHEET * * * * *

Last minit news/tips

AL NIBLACK-EDITOR 420 SHELBY ST., VINCENNES, IND. 47591 DEADLINE 23rd OF MONTH

ANDORRA: (FLASH) Radio Andorra started transmissions in English on 30 May; they can be heard on 5995, and on 701, MW, from 2300-0300. (Switzerland Calling)

AUSTRALIA: 17840, and 21740, good lvl at 0130, especially on the latter, which is practically QRM free for Radio Australia. (Insigner)

BLAFRA: (FLASH - FLASH) Reception reports on a concentrated basis, for both the Voice of Biafra (6145A), and Radio Biafra (730L/4V) are being sought by Biafran radio engineers, according to word from P. C. Chigbo; would like reports on V. of Biafra for its English bcasts 0555-0754; 1430-1545; or, 2135-0200; this was as of 6 or 7 July; and on Radio Biafra, anytime during its schedule, which S/on about 0430, and as of 5 or 6 July. (Jensen).... Reports via P. C. Chigbo, B. P. 8861, Abidjan, Ivory Coast. (Upton, Texas).... Both outlets are sending out reception report forms, states Del Hirst.... The representative's name for the Biafraian outlets is P. C. Chigbo and reports will be greatly appreciated. (Camire) (Possibly here is a chance to QSL the otherwise untouchable outlet, Editor)

BURUNDI: (FLASH) Bujumbura, La Voix de la Revolution, heard on 6140 from around 1900; at 2050 news in French with close-down at 2100. (Switzerland Calling)

CANADA: CBC has moved from 17720 to 17855 for English to No. Canada from 2200-2250, in parallel with 11720. (Rowell)

CONGO: Radio Lubumbasji (D.R.), heard with fair signals on 11866 with English news at 1935 but severe QRM de two Russian outlets. (Anderson)

CUBA: Radio Habana heard using adjacent fqys at 0530, 15285 in English; 15295 in Spanish. (Rowell)

DENMARK: 15165 (FLASH) Radio Denmark tests during July to N. Z., Australia, Far East, from 2000-2045 in Danish; from 2045-2115 in English, some days fair lvl. (Balbi, Calif; and Soneff, Jr., La.).... According to a recent amct over R. Denmark the outlet is testing to Europe on 15165 from 2000-2045 in Danish; and from 2045-2130 in English. (Rich Anderson, German Federal Republic). (There seems to be a bit of conflict in times, Editor)

ECUADOR: Following is some info on new stations from R. Denmark via Richard Anderson- Radio Popular Independiente at Cuenca, 4800 kcs, with 500 watts; Radio Punto Verde at Quevedo, Provincia de los Rios, 6165, with 500 watts; and, Radio Vision de Manta, Manta, 6140, with 5kW power.

EL SALVADOR: 6010 YSS observed S/off at 0030 after talk in native Spanish. (Soneff)

EGYPT: 11955 Cairo observed testing at 2147, directed to Europe, English ID (Niblack)

FINLAND: R. Finland has been heard at 1800 S/on to Europe on 9590 with some QRM from the BBC. (Anderson)

HAITI: 4VEH, Excellent!! signal at 1100 S/on in English with news and religious programming, fqy 11835. No pain, no strain lvl. Haines)

INDIA: 17705 AIR, Bombay, at 0330-0440 in Hindu and Indian dialects, noted to East Africa. (Rowell)

IRAN: Radio Teheran has poor to fair sigs an 15135, paralleling 17735, airing English at 2000, news, commentary, and music. (Haines).... As of 15 July, still on 17735, 1530-2125, with English 2000-2030. (Rowell)

ISRAEL: Kol-Yisrael indicates that 9009 is 50kW outlet; and 9625 now is using increased power to 100kW. (Haines)

JAPAN: 15300 Tuned at 1558 and noted NHK with IS and stayed with them for their General Svc Prgm in English, quite readable. Well till RBC S/on. (G. Ferguson)

JAPAN: (Continued) NHK's No. American, Latin American, Hawaiian Overseas Svc in English from 0200-0230 is on 21640; good lvl, little interference. (Insinger)

KOREA(N): (FLASH) 9613 Pyongyang noted at 0900 with IS and anthem; Russian ID and anncs, news till past 0909, paralleling 11765. (Jim Young, 6ENA, via Editor Hank Bennett, NNRC)

KOREA(S): WOPK moved from 15125 to 15155, to Europe 0600-0700 in English; 0700-0730 in French. (Balbi)

KUWAIT: R. Kuwait observed at 1600 S/on on 15405, with good signals but some interference at 1630 when a Rusky S/on. (Anderson)

LAOS: 6130 (FLASH) R. Diffusion de Laos has an oriental musical prgm at 1215, though badly QRM'd by the BBC, London, and CHNX, Halifax. (Haines)... Radiodiffusion National Lao, Vientianne, poor signal at 1205 underneath Halifax, on 6130. (Fisher)

LIBERIA: ELWA since 2 July back on 11950 from 11975, weekdays only; from 0600-0745; Sundays on 11975 in French till 0900. (Balbi)

MALDIVES IS: (FLASH) Frequencies and schedule for this one as follows: 7225, 0100-0300 and 0900-1100; 6150, 0300-0500 and 1100-1300; 9538, 0700-0900; 3331, 1300-1500; and, 4740, 1515-1730. English is heard at 1515 and 0900 when the BBC news is relayed, other times in vernaculars. (R. Australia via Heggs) (How about digging this one out and sending a report to the FS, you real DXers, Editor)

MOROCCO: R. Morocco has been heard on these new fqs: at 1800 on 6045; and from 2100-2200 on 6170, and 6190. (Switzerland Calling)

NEETH. ANTILLES: TWR, Bonaire, currently, 2200-2215 on 15295, French; 15305, from 2215-2315, Portuguese; English, 15345, to 0345, changes fqs often. (Balbi)

PANAMA: 6045 La Voz del Barú, heard till 0400 S/off, often good lvl. (Editor Dan Ferguson)

PAPUA/NG: (FLASH..FLASH) Port Moresby heard on 15115 with test xmission to New Caledonia, Fiji, New Hebrides, Solomon Islands from 0530-0830, v. strong signals, with the ABC Domestic Prgms; after 0700 parallels 4890, call is VIK. Logged since 15 and 16 July, not sure of entire schedule. (Balbi) ... This morning I awoke to find that Radio Bougainville was coming in on 3322.5, at 1110, country music (Fisher)

PERU: R. America 9505, noted after 0400 with good signals, S/off at 0600 (Schnabel)

PHILIPPINES: (FLASH) PDS, 6170, logged from 1030-1130 with news, sports, and features; only fair lvl at best, in English. (Reynolds)

PORTUGAL: 15154 Lisbon heard on this fcy instead of 15125, 0445 in Portuguese (Rowell)

SOLOMON IS: The SIBS now follows this sked: 1900-2200 and 0730 to 1130, on both 3995 and 7115. (R. Denmark via Anderson) (7115 must just have returned to the air, Editor)

USSR (ARMENIA): R. Yerevan, 15140 hrd Sun at 0300-0330 with English till 0325, good signal, likely relayed by Petropavlovsk. (Rowell) (Agreed, its a relay, Editor)

TUNISIA: Tunis hrd S/on at 0445, 11900; S/on at 0515 on 11970, both Arabic. (Rowell)

TURKEY: 15160 R. Ankara heard on Sunday at 0330 in Turkish. (Rowell)

SUNSPOT COUNT AS FURNISHED BY THE ZUPICH OBSERVATORY, 7-3-1969: For JUNE 1969:-

1-32 2-47 3-74 4-77 5-116 6-157 7-182 8-186 9-179 10-181 11-180 12-174
13-167 14-161 15-148 16-134 17-101 18-92 19-74 20-97 21-84 22-56 23-37
24-33 25-51 26-26 27-35 28-49 29-63 30-71. PREDICTED: JUL 99; AUG 97; SEP 95;
NOV 91; DEC 89. (Grady Ferguson)

ACKNOWLEDGEMENTS: Richard Anderson, German Federal Republic; August Balbi, Calif; Roger Camire (Chairman ANARC Freq Recommendation Committee), N. H; Editor Dan Ferguson, FLA; Grady Ferguson, No. Carolina; George Fisher, Colo; Edward J. Insinger, N. J; Bruce Haines, Colo; Del Hirst, Texas; Dick Heggs, Canada; Don Jensen, Wisc; Al Niblack, Indiana; Bruce Reynolds, Mo; Sam Rowell, Washington; John T. Schneff, Jr. La; George Schnabel, N. Y. Tom Upton, Texas; Jim Young (Via Editor Hank Bennett, NNRC); and, Switzerland Calling via SIC.

Thanks to all of you for lending a hand with material while Apollo 11 is making history. Thats DX out of this world!! In closing, PLEASE write on one side of the paper only; double space between items. If you also write a letter, please do not include your items in the text of the letter, put on a separate page please. Please do not report items to this column that have been reported to other NASWA Editors. Late reports may be phoned after 2100 GMT to, 882-3976. 73, AL