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# NORTH AMERICAN SHORTWAVE ASSOCIATION

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DECEMBER 1969

DECEMBER

VOL. 8 NO. 12

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NASWA HEADQUARTERS

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POST OFFICE BOX 989

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ALTOONA, PA. 16603  
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## GIFTS

This is perhaps the most appropriate of times to mention one of the less generally known facts regarding members and their interests in the club; And so we do.

At times during the year, there are those who send monies, mint stamps or IRC's to Hdqs. These are sent as gifts to be used in whatever way deemed best; Thus they are. Monies have at times been sent to other clubs to aid/help them overcome certain difficulties. Stamps have been sent to members/editors known to have use/need of them. IRCs have been sent abroad to aid in furthering proof of our motto.

Each month the club receives other gifts also. For example, every new member who joins can be considered a gift because the fee he sends is necessary for our continuing operation. Then there are gifts which few members realize to so be; These are the reports, articles sent to our various section editors for containment in bulletins. It could be said these are the most vital of all. Without these there would be less pages in our bulletins. Indeed, without these, there would likely be no bulletins. These are gifts all clubs need. They are those that NASWA solicits, although every of the all mentioned are gratefully received, most appreciated, heartily accepted.

Let then yourself dwell on these which are all gifts of giving; Keeping foremost in mind that the latter be most needed. Be aware, think of your reports in terms of gifts for your fellow friends/members, not just this time of year, but as often/regularly as possible. They need not be worldly nor fancy, they need only be factual and of use. Try as you can every month to practice the gift of giving. What you may consider small and/or insignificant may be just what some other friend/member needs/wants in way of info or data to add pleasure to his interest in the hobby we share in common.

The best gifts are not those wrapped in gaye-colored paper and adorned with fancy ribbon, but are those we give from the heart and are wrapped in the intangible qualities of love, appreciation and good will.

To little children: Smiles of encouragement and words of cheer as they bewilderingly step forward into experiences of life. To youth: A helping hand in their quest of knowledge and adventure without which youth cannot live. To oldtimers: An opportunity for the dreaming of dreams and an enrichment of years to come. To life: A measure of devotion that will enliven the common ways, and enoble the common tasks. To posterity: The legacy of a good name and the reputation for initiative, industry and integrity in all things.

...Bill Eddings

MERRY CHRISTMAS

\* - \*

HAPPY NEW YEAR

MERRY CHRISTMAS

ALL FRIENDS AND MEMBERS

HAPPY NEW YEAR

NEW MEMBERS, WELCOME!

Albert Ilgenfritz III, Cincinnati, Ohio. Hallicrafters S-129. Via WRTH.  
 Jim Weber, Beaumont, Calif. Hallicrafters SX-130. Via Radio Canada SWC.  
 John Walenter, Franklin Park, Ill. Drake SW4A. Via George Foyer.  
 Angelo Cassola, Naples, Italy. Marconi. Via WRTH.  
 Howard Reece, Long Beach, Calif. Hallicrafters SX-110. Via PE.  
 Alvin Drehman, Miami, Florida. Galaxy R530. Via Dan Ferguson, NASWA LR Editor.  
 James Monaghan, Highland Park, New Jersey. Drake SW4A. Via various magazines.  
 Lee Amoroso, Reading, Penna. Norelco. Via PE magazine.  
 Tom Eby, Naperville, Illinois. Hammarlund HQ-200. Via member Craig Koukol.  
 Dan Morisseau, Kansas City, Mo. Drake SW4A. Via WRTH.  
 Jack Hudson, Five Points, Alabama. Heath GR-54. Via WRTH.  
 James Smith, Webster, Texas. Allied A2515. Via WRTH.  
 Mark Krause, Milwaukee, Wisc. Hammarlund HQ-180A. Via PE Comm. Handbook.  
 George Morgenstern, Duluth, Minn. Hallicrafters S-40-A. Via WRTH.

RENEWALS

Second year: Dan Schmidt, Ken Lyon, Thomas Boyd, Niels Falsig, Kris Lemna, Jerry Rose, Ronald Ponke, Tom Walsh, Mrs. Mildred Marshall; Third year: Harry Smith, Wally Reed, D.H. DeWeese, Oliver Ferrell, Ronald Cole, Don Billingsley; Fourth year: John Mraz Jr, Bruce Churchill, Irv Johnson.

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Please note.....

Those members joining or renewing after the 15th of month will be listed in next month bulletin. Thank you.

ATTENTION!!!

We have been notified by Rob Harrington, Englewood, Colorado, that he has canceled his proposed "DX-70" contest. This info was received too late to be contained in the November bulletin, therefore please disregard that which was mentioned. Rob states anyone wanting to take over his contest is to contact him directly, 3181 S. York St., at above given QTH.

CO NASWA ARO's

Member Tom Walsh-KLVGM writes: "Since the distribution of current info/data is most important amongst DXers, I was wondering if NASWA members who are hams might not find interest in arranging "on the air QSO's" for the purpose of exchanging such info/data. Members who are not hams could listen in and also hear/get the info/data and perhaps some "hot" tips. Why not mention this in Friendx?" (Okay Tom, tis mentioned! Thus, all you NASWA ARO's who might be interested, get in touch with Tom Walsh-KLVGM, 53 Naponset Road, Quincy, Mass. 02169; Tell him the bands and freqs you work, list most appropriate time(s) you are on the air. He can then possibly pass along the info to Hdqs, we can announce skeds in bulletins.)

RECENT AWARD WINNERS

Awards chairman, Warren Nordgren sends the following list of NASWAers who have been... awarded certificates for DXing achievements; Alvin Sizer- Worldwide DXer Award for 100 countries; Craig Koukol- Worldwide DXer Award for 75 countries; Alain Mivelle-de Chene- Worldwide DXer Award for 50 countries. Our hearty "congrats" to all three!

ABBREVIATION LIST

Hdqs has just received word from ANARC Executive Secretary-Gray Scrimgeour, that the abbreviation list is now available to all DXers/SWLs. It is a full 38 pages long and comprises abbreviations used in all types of DXing/SWLing. Compiled by Gerry Dexter, mimeoed for ANARC by ASWLC, the list can be had for \$1.25(USA and Canada)\*\$1.70(Europe) and South America)\*\$1.90(Pacific)\*\$1.50 (Caribbean and Central America) \*Airmail. Orders are to be sent to; ANARC List, c/o ASWLC, 16182 Ballad Lane, Huntington Beach, Calif. 92647. Checks/Money-orders should be made payable to ASWLC. Proceeds from sale will be used to finance operations of ANARC which our clubs belongs to and is a supporter of. Order your copy today! Keep in mind, this is a list of abbreviations covering all phases of DXing/SWLing, not just SWBC....and it is 38 pages long. Send orders to above address, not to NASWA!!!!

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Merry Christmas!!

Happy New Year!!

LATE ITEMS VIA NASWA MAILBAG

Seychelles:FEBA - Card and personal letter direct from Victoria in 40 days airmail when tape was sent for reception of 21460 xmsn. Several IRCs were also sent. Letter and card signed by QSL Secretary Brenda Bacon (not sure of last name!) Tape was sent to Far East Broadcasting Assn., P.O.Box 234, Victoria, Seychelles. QSL card is white w/blue lettering, similar to size used by VOA. Gives freq, date, time, is signed. The following is text of personal letter..."Thank you very much for your reception report and the tape which was much appreciated. Your QSL card is enclosed. We are using 2Kw power, radiated from a log periodic antenna. Our site is 600' high overlooking the harbor and city of Victoria, on the east coast of Mahe, the major island of the Seychelles group. Our antenna is perched atop a mast 70' up, giving us a salt-water path for our transmissions. At present our schedules are 0030-0330 and 1300-1630 GMT, but we have no fixed frequencies. At present are using 11900 and 15125MHz. Our primary target area is India-West Pakistan. The purpose of FEBA-Seychelles is to share with you the Good News of our Lord, Jesus Christ. For we have come to know that He is our Saviour who paid the penalty of our sins, large and small. If you would like to know more about Him, do write and let us know. We would like further reports from you on any frequencies we might use. Yours for better listening." Mike Macken

TransWorld Radio-Monte Carlo: The "DX Special" program will no longer be heard on Thursday mornings. The new sked is Saturday evening, twice. Here's the way it looks, the total lineup for the "DX Special"

From TWR-Monte Carlo

1645 GMT 9585 kHz to Europe, on Saturdays 1745 GMT 11705 kHz to Europe & FE, Sat/Sun.

From TWR-Bonaire

1205 GMT 11820 kHz to North Amer. on Sat. 0335 GMT 11775 kHz to North Amer. Sat/Sun.

New times for the Monte Carlo transmissions of "DX Special" take effect on Nov. 22nd.

We'd like your comments on the new times and on reception conditions at these times

in your part of the world. (Trans World Radio, Box 141, Monte Carlo, Monaco) TWR

(This station would also like to receive tuning tips for use on "DX Special" programs.

They should be sent to- Tuning Tips-DX Special, TWR, Box 141, Monte Carlo, Monaco. It is requested that all reports-tips are current, correct/accurate; Send them via airmail and be sure to use correct address.)

Radio Nederland- Edward Startz, the pioneer shortwave broadcaster who for more than 40 years has spread his message of Peace, Cheer and Joy over the world via the Sunday Happy Station show, is resigning/retiring. His place will be taken by Tom Meyer, SWLs the world over will miss Eddie. Many have come to know him personally via mail, some even in person. All hold him in highest esteem. Over the years the Happy Station has gained a special place in the hearts of shortwave listeners. It has influenced even the language, for the slogans Eddie flashed around the world are known and quoted on all five continents. His "Keep in touch with the Dutch", his "Peace, Cheer and Joy", his "Nice cup of tea", the "WLHF" (Worlds Largest Happy Family).

Eddie first went on the air in 1928 and only during the war years between 1940-45 was the Happy Station silent. On his show November 16 '69, he introduced his successor Tom Meyer as the new man at the helm.

As he hands over the Happy Station, Eddie wishes to express to his worldwide audience, his heartfelt thanks for all the kindly loyalty and friendship shown him over the past decades.

Radio Nederland  
(It would be a nice gesture if all SWL's who are recipients of QSLs from this station for reports for Happy Station programs in the past were to drop Eddie a card/letter of thanks and gratitude, well wishes. Although Tom Meyer will no doubt do a good job and become reknown in future, he nor anyone else will ever take the place of lovable Eddie Startz....pioneer of the Happy Station. God bless him!

Send your cards/letters direct to Eddie at the following address;

Edward Startz, Radio Nederland, P.O.Box 222, Hilversum, Holland

NASWA ANARC REPORT

November marked the end of the first year of Executive Secretary Gray Scrimgeour's term. Gray reviewed the first half of his administration noting that it had been a quiet year with no major proposals being submitted. It has also been a year for tidying up, getting the DX Archives and DX Census projects underway, adopting the current constitution and so on. Gray pointed out an obvious lack of enthusiasm and the urgent need for more interest in ANARC on the part of individual DX'ers as well as member clubs. Many of these clubs still do not feature regular reports of ANARC news and activities!!

Also outlined was a summary of the duties of an ANARC rep. These include keeping his club fully informed of ANARC activities, especially those involving or directly benefiting his own club, and, he should be active in an ANARC project if at all possible. Right now, help is still needed for the QSL Committee, help in sending letters for the DX Census Committee, and help with computer card punching for the census.

The Executive Secretary also is looking for an individual or a club to mimeograph the newsletter and news releases regularly. It is possible that the Newsletter can be sold to individual DX'ers on a subscription basis if a mimeo and a man to run it can be found.

More important than anything else this month is Gray's statement that he will not be running for re-election next fall. Another crisis looms just over the horizon it seems. Thus, again, we are faced with the necessity of finding someone with the interest, the time and the ability to take on this most important of DX jobs. Let's not wait until the last minute!!

In other association news...a 1970 ANARC Convention host and site (either individually or as part of a club convention) are still being sought...the classified ad in Electronics Illustrated has now brought in 50 answers, mostly from very young people it would seem...Gerry Dexter has taken over as chairman of the MOY Committee and full details will be available next month..Radio Sweden thanks everyone for the many kind letters in response to the resumption of the SCDX bulletin

Finally, it can be reported that the ANARC Abbreviations List is off the presses! You'll find it very useful! And of course, your order for the List will help ANARC. As yet, we haven't the final figures on prices but will pass that on to you next month. Suffice to say, lets get a big turn-out of orders from NASWA members!

SUPPORT ANARC -- ANARC SUPPORTS YOU!

73, from Del, Doug and Gerry

\* \* \* \* \*  
\* MERRY CHRISTMAS --- HAPPY NEW YEAR !!! \*  
\* \* \* \* \*



charlie  
loudenboomer  
presents



William P. Eddings  
Executive Editor &  
FRIENDX Publisher  
Post Office Bx 989  
Altoona, Pa. 16603



1970-72 ROSTER OF  
NASWA  
OFFICIALS



A.R. 'Al' Niblack  
FlashSheet Editor



William A. Matthews  
Shortwave Center Editor



Robert Hagerman  
NewsRoom Editor



Dan Ferguson  
LogRoom Report Editor  
Board of Director Member



Gregg A. Calkin  
QSL Report Editor  
Board of Director Member



Gerry L. Dexter  
NASWA-ANARC Rep.  
Board of Director Member

WINTER  
1969

WINTER  
1969



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Your contest editor has been wanting to run this type of competition for a long time and is hopeful it will be of interest to a good percentage of members. It is a 60 and 90 meter band contest.

Bands to be DXed: 60 meters, 4750 - 5060 Kcs  
90 meters, 3200 - 3400 Kcs

Choose one and one band only.

Log all positive ID's heard, give time (GMT) heard and state language used.

Time/dates; Begin 2400 (midnite) Friday Dec.19 and end 2400 (midnite) Sunday Dec.21, 1969

Deadline for entries to be received by editor is Jan.10, 1970. Include 25¢ entry fee.

Prize will be a copy of 1970 WRTH to winner of each band.

Scoring: Total the number of stations you hear and multiply by multiplier (see following)

Multipliers: Add number of tubes in your receiver to those in any accessories used. Do not count voltage regulators. For solid state receivers, divide number of transistors, diodes, etc., by 2 to arrive at tube count. Determine multiplier from this table

over 16....1.0	13....1.4	9.....2.2	5....3.5
16....1.1	12....1.6	8.....2.5	4....3.9
15....1.2	11....1.8	7.....2.8	3....4.4
14....1.3	10....2.0	6.....3.1	2....5.0

Submit logs/entries listing stations heard, ID's given, time (GMT) heard and state language used and give date of each entry in log. Specify which band you choose (only one), state total number of stations heard and calculate total score using the above instructions.

Mail all entries direct to NASWA Contest Editor, George Schnabel, 151 Chesterton Rd., Rochester, New York 14626. Observe deadline. Dont forget to include entry fee.

Let's make this a good competition and have a large turnout. Even if you dont have a high score, have some fun, enter.

...George Schnabel

Exclusive

Exclusive

THE LOUDENBOOMER REPORT  
"CHARLIE'S TWELVE DAYS OF CHRISTMAS"

On the first day of Christmas, Ol' Santa gave to me, some ego for a humble Charlie.

On the second day of Christmas, Ol' Santa gave to me, two HRO's and some ego for a humble Charlie.

On the third day of Christmas, Ol' Santa gave to me, three editorships, two HRO's and some ego for a humble Charlie.

On the fourth day of Christmas, Ol' Santa gave to me, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the fifth day of Christmas, Ol' Santa gave to me, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the sixth day of Christmas, Ol' Santa gave to me, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the seventh day of Christmas, Ol' Santa gave to me, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the eighth day of Christmas, Ol' Santa gave to me, eight easy loggings, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the ninth day of Christmas, Ol' Santa gave to me, nine nifty knobs, eight easy loggings, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the tenth day of Christmas, Ol' Santa gave to me, ten triode tubes, nine nifty knobs, eight easy loggings, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the eleventh day of Christmas, Ol' Santa gave to me, eleven A.M. openings, ten triode tubes, nine nifty knobs, eight easy loggings, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

On the twelfth day of Christmas, Ol' Santa gave to me, twelve faithful friends, eleven A.M. openings, ten triode tubes, nine nifty knobs, eight easy loggings, seven miles of antenna, six S-9 signals, five veries rare, four headphone sets, three editorships, two HRO's and some ego for a humble Charlie.

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Actually, Ol' Santa will probably cross Charlie off his list entirely this year. Those of you who remember the last couple of years when Mr. Claus and his antlered steeds got hung up in my antenna tower will know why. So while all the gifts above would be great to receive, I'll settle for the twelve faithful friends...and I hope a few more...to whom I can wish - A VERY MERRY CHRISTMAS AND A BX FILLED NEW YEAR!

...Charlie Loudenboomer



# SHORTWAVE CENTER

SPECIAL FEATURES

\* \* \* \*

WILLIAM A. MATTHEWS-EDITOR

P. O. BOX 15306

COLUMBUS, OHIO 43215

Deadline 15th of Month

As the year 1969 draws to a close and the final year of the decade begins, just a few short days from now, it is appropriate to take time to extend my best wishes to members and friends of NASWA round the world. May 1970 bring peace, happiness and prosperity to all.

On a less serious note, I hope that 1970 will bring improvement to the DX world and that YOUR DXing will even be better than in 1969. Let NASWA provide you with information about your hobby - and contribute regularly to FRENEX. With this month's Short Wave Center, we present articles from many of the top-notch people in our hobby. I hope you'll enjoy reading this special enlarged section.

Season's Greetings,

WAMatthews

## INTERNATIONAL DEPARTMENT OF RADIO FINLAND

In the summer 1969, important rearrangements have taken place in the international department of Radio Finland. The international offices of Radio and TV have been united into a Department of International Relations, which is divided into an Administrative and a Programme Section.

The Programme Section covers international activities of Radio and Television, short-wave broadcasts, and transcription service. At present, the shortwave broadcasts are still produced on a free lance basis; in addition to the Home Service Programs in Finnish and Swedish, programs are broadcast in English for Europe and North America. In the future, an expansion of programming time is planned. The transcription service of Radio Finland will start regular production of transcription programming in several languages, to be broadcast by local radio stations all over the world.

In spite of the small external service and production of programs, the station receives an ever-increasing number of letters from faithful listeners throughout the world, who have tuned to the F.B.C.-Helsinki for information about Finland. In addition to the shortwave broadcasts, the transcription service will, to a greater extent, widen the possibilities for spreading information about Finland by radio.

Listeners to the Finnish Broadcasting Company have noted the distinctive interval signal of the station. It is based on an old Finnish folk melody, arranged for radio by M. A.O. Vaissanen, the specialist and researcher of Finnish folk music. It is played on the kantele, the Finnish musical instrument. All broadcasts are closed with the Finnish national anthem, "Maamme", composed in 1848 by Fredrik Pacius.

Oy. Yleisradio AB Bulletin,  
via Garry L. Dexter

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Radio Denmark's International Department's situation remains in critical condition. Have YOU written to make known your feelings? If not, why not??? Do it today! All letters to the Director General --- address in last month's FRENEX.

RATING DX SKILLS

Al Sizer

When I first began to DX, Flasher Editor Al Niblack wrote me that, "the first 50 countries are easy, the next 50 fairly easy, but after 100 it really gets tough." Having scratched and hauled my way to 129, I appreciate his observations.

In a similar vein, Garry Dexter, in a recent FRENDX, detailed how many beginning DXers drop out after the relatively easy countries are checked off. Another club member and one of the world's top DXers, Bob Padula of Australia, expresses his belief in the current "How to Listen to the World" that it is a shame so much of DXing centers around the country concept and noted his disappointment over the number of listeners who leave the hobby when they find they're not able to log new countries----at least not often enough to keep them interested.

These DXers and many others have often put their fingers on what is the real problem in our hobby and the reason why we have such a turnover of hobbyists---the lack of interest, and boredom that may come when we slow down on chaulking up countries.

I maintain that this need not be so and that the listener could advance by seeing his achievements continually recognized - his advancement clearly outlined - if our hobby would only adopt some kind of point system whereby DX skills could be realistically scored. We all know what par means on a golf course, what a batting average of .300 denotes in baseball and what a 250 bowler is.

What about Shortwave? Isn't there some way we can more fairly pinpoint our skills and at the same time decrease some of the monopoly that the country concept enjoys?

Here's a plan for a point system. I'm sure it can be improved upon, but to start the ball rolling, let's outline it:

For every country a DXer hears on the approved country list he gives himself 5 points. If he verifies the country he gives himself 5 more points.

For every station the DXer logs (using the criterion recently outlined by Gregg Calkin that each new transmitter site counts as a different station) he gives himself 1 point, regardless of country. And if he verifies the station he adds another 1 point.

Let's see how the point system would work out on the most recent FRENDX scoreboard (September). Gerry Dexter ranked highest on that list among persons reporting in all categories. For his 184 HIC, 180 VIC, 737 HIS and 509 VIS, he would get a point score of 3066. Alan H. Roth, next highest among those who reported in all categories, would score 2521. It would seem then if you battled over 2000 in my system you would rank as one of the country's top DXers.

Going down the scoreboard, and omitting names, I have compiled the scores for those one quarter, halfway and three quarters down the list and the last name listed, No. 154. The scores came out respectively 1166, 702, 596 and 198, giving a pretty accurate indication of their rating among club DXers.

One further observation: If you had heard a good number of stations it would be possible for you to outscore another member who had heard more countries than you did. Try it out on some scoreboard totals and you'll see what I mean.

Of course, to really be authentic, it would be nice if two other important factors in DX skill could be taken into account: the power of a station and its distance from your own particular QTH. However, the listener cannot determine the station's power in many instances. And figuring out mileage might make rating-computing too tedious for the listener. Best keep it simple, I think.

It is possible that my ratio of 5 points per country to 1 point per station might not be the best one and a better one could be arrived at. But that shouldn't be too difficult to do. And it should also be obvious that for a score to be a fair one it

cannot include stations heard from more than one QTH. A possible modification of this latter rule might allow stations heard from QTHs not more than 100 miles (or some other figure) apart.

As is the case with most scoring systems, it means nothing unless it is officially established by an official organization. Ideally, it would be great if the ANARC adopted it. Failing that, at least by NASWA, perhaps acting in concert with the ASWLC. Then if a DXer said he had a score of 1436, other DXers could immediately compare it with their own and there would be instant recognition of the DXer's prowess in his own hobby, in the same way that baseball people understand that if a batter hits over .280, he is a good hitter, under .200 mediocre.

Remember, I don't offer my point system as the ultimate. I'm merely hoping it will stir up discussion and lead to a new method for rating DX skills that will keep listeners from being drop-outs because of lack of interest.

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#### RUSSIAN FROM THE V.O.A.

The Voice of America has launched a massive-power broadcasting campaign to break through Soviet electronic jamming. Applying three times as much power as before, the Voice of America's transmitters began broadcasting Russian language programs November 2 simultaneously on 26 wave lengths with a total power of 5.4 million watts. Henry Loomis, Deputy Director U.S.I.A., said the action was taken after failure to get the Soviets to halt their jamming.

Springfield Union...via Jim Ducharme

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#### PEGOES - EMISSORA NACIONAL PORTUGAL'S TRANSMITTING SITE

The Short Wave Transmitter Centre lies at Pegoes on the south bank of the Tagus, roughly between Vila Franca de Xira and Vendas Novas. It was originally planned as early as 1949, when the contract was signed for the purchase of the initial transmitters and antennas, but the work required to house and install them for the Centre was completed in April of 1953, some 4 years after it was begun. At the onset it was equipped with two General Electric transmitters of 100 Kw and one of 50 Kw. produced by the Engineering Department of the Portuguese National Radio. This original equipment has been increased by another four Continental Electronics transmitters of 100 Kw. each, one from Brown Boveri also at 100 Kw., and a small 10 Kw. transmitter built by Radio Portugal. Apart from this, Pegoes also houses the 100 Kw. Gates medium-wave transmitter used for the European Service.

The transmitters are linked to a complex set of 22 high gain directional antennas which were supplied by Standard Electric. To these, the engineers are now adding special logarithmic antennas designed above all for the European Service. Of the original set, six are directed to Asia and the Far East, seven to Africa, two to South America, six to North America (including the codfishing fleet off Newfoundland), and another special curtain antenna also for European broadcasts. This transmitter center consumes over eight million kilowatts of electric power every year -- a figure which gives some idea of the operating costs of a shortwave service.

The time spent on the installation of the Transmitter Centre at Pegoes was by no means wasted in that the Engineers designed special control equipment which is regarded as unusual if not unique in all of Europe. The design of the control room permits one or two technicians to supervise the program being fed through each of the ten transmitters at one time. Each transmitter is numbered and has a db meter which is clearly visible from the control board.

PEGOES  
(continued)

Portugal's southern position on the European continent is a geographical advantage in that its signals may be beamed to almost any area of the world without the necessity of traveling through the auroral zone. Proof of this is the announced intention of Deutsche Welle to construct a relay station in Portugal to help relay their North American services.

.....Radio Portugal's Listeners Magazine  
(adapted)

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Our congratulations to Radio Sweden on this, the month of their 25th Anniversary of the International Service! Data obtained from a tape made in 1964 from WRUL (now WNYW) and the program "DXing World Wide".

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PAGES FROM THE PAST

Barry C. Williams

With the second world war over, there appeared to be much activity on the shortwave bands. The following are extracts from the monthly feature "Short Wave Notes by Ray Simpson" taken from the Australian magazine, Radio and Hobbies, September 1947. The magazine is now called, "Electronics Australia", and the DX pages are now edited by Arthur Cushen.

Ray Simpson, a prominent Australian DXer of this era, first lists recent verifications received by himself and contributors. "We have just received a very nice letter of verification from station XENN, Radio Mundial, which operates on 11780 kcs from Mexico City. The letter which was in Spanish stated....they had been experiencing trouble with their electric supply, but hoped they would resume the transmission in August." An example of how patient one must be, even in those days, was when CKRX Winnipeg verified by letter in 16 months. A very interesting verification was from NAVE, the transmitter aboard the "U.S.S. Mount Olympus", confirming reception of their signals when the ship was in the Antarctic in January. "Their card is a humorous one, being in the form of a Christmas card showing penguins wearing US Navy caps looking through a telescope and the like. The verification, which was signed by the electronics officer, stated that they were using 5 Kw. working into an open doublet and at the time of reception, they were at the entrance of the Bay of Whales in Little America." Rather a rare and unusual verification.

YNH-Java. "Java has been prominent in the news the last few weeks and it is interesting to know that verifications are now coming along from this well known station. Although we believe some New Zealand listeners have received verifications direct from the station, the only one we have seen is in the form of a letter from the Central Committee of Indonesian Independence in Brisbane. (In 1947, Indonesia was in the middle of their 5 year struggle for independence).

Algiers. A DXer had received his verification from the "Voice of America in North Africa" which takes the usual form of a rather plain black and white card. From the same country was received a letter of verification from Radio Algeria confirming reception of their 11835 kcs transmission. (A frequency still in use today)

Another section deals with new stations. Reported in the "Universalite" by a well known American listener, Mr. Paul Dilg, was his logging of Radio Dalat, Indo China, on 7146 and 7538 kcs. It was noted that another Australian listener, Miss Saunderson, was hearing Radio Hanoi on 11900 kcs. From the same magazine, it was learned that

PAGES FROM THE PAST  
(continued)

United Nations in Geneva was carrying out experimental transmissions on 9515 kcs. Another new station reported by Arthur Cushen was XMAG, Nanking, China, broadcasting on 4275 kcs. "Program consisted of AFRS broadcasts while at 11pm the usual San Francisco news."

A very interesting article was on the set up of present Japanese shortwave stations. The Broadcasting Corporation of Japan is operating for the following purposes:

- a) to send the programs of the Armed Forces Radio Services from WATR key station, Tokyo to AFRS network stations in Japan and...
- b) to send BCJ programs from JOAK key station Tokyo to network stations and...
- c) to send BCJ programs from JOAK to Japanese repatriation camps in the areas of Taihoku, Shanghai, Chengchien, Peiping, and Tientsin.

There were many stations listed, ranging from 300 watts to 7.5 Kw. Some of these were JKE2 4910 kcs, JO9H 3475 kcs Kawaguchi, JKA 7285 Nazaki, and many others.

In the section "Among the Africans", stations in French Equatorial Africa, Brazzaville; French West Africa, Dakar; Mozambique; Angola; South Africa; and Algeria are reported. Belgium Congo has also been heard. Leopoldville OTG2 on 9745 kcs, OTML 6295 kcs were the best noted. Other Belgium Congo stations reported to be on the air were OQ2AB on 11900 in Elizabethville and OQ2RC on 15320 in Leopoldville. Northern and Southern Rhodesia as well as the Gold Coast were heard. VQ7LO Nairobi was still using their old frequencies of 4950, 4885, and 6060 kcs. Cairo was being heard over SUX on 7865 and SUV on 10058 kcs. Yet another outlet was noted on 6320 kcs with the call of SUP2. Madagascar was coming in nicely on 9695 and 6140 kcs, while VQ6MI in Hargiesha, British Somaliland, was being heard on 7126 kcs. The remaining Africans included Ethiopia, the Azores, French Morocco, and Radio International in the free city of Tangiers. Africa appeared to be giving some interesting DX and was on the verge of expanding its shortwave activity.

There was an interesting interview with an Australian DXer, Rex Gillet. He lists his best verification as KOFA. I cannot find any details regarding this station, at present, so perhaps some reader might be able to enlighten us about this station. Other notable verifications listed by Rex were: British Forces Network-Hamburg, Radio Balikpapan, ZNB Bechuanaland, ZPA5, Sofia 7670 kcs, HHBM in Haiti, and WWTW.

In "New Stations of the Month", a good catch from Brazil was mentioned. PRJ4 on 4825 kcs heard at 0700 AEST (Quite a remarkable time as I have never heard a Brazilian in NZ in the morning on 60 meters). The station is operated by Radio Educadora de Paranaiba, Paranaiba. Another unusual station reported was from New Zealand. Broadcasting on 6800 kcs using the call "Radio Waiouru", an army station was sending troop broadcasts to Japan. The New Forces Broadcasting Unit in Palestine had been heard testing on 7220 kcs and were now using the frequency permanently.

In the list of verifications there were many unusual calls and stations. Just as an example, I will list some of the USA station calls...WNBL, WRUL, WNRX, WLWO, WJWL, WOOC, KRHO Hawaiian Territory, WRUW, WRUS, and WRUL. The best verification, one received by Arthur Cushen, was XECC on 6185 kcs - Radioemissora XECC was only 50 wats!

This is still before the time I began DXing, but I feel things were settling down after the war and that the next few years would bring many changes on the shortwave scene. Future "Pages from the Past" will explore further segments of our hobby's history.

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NOTE: Barry Williams needs no introduction to older NASWA DXers - but for the younger, he is a well known New Zealand DXer living in Auckland. If anyone is able to supply information about KOFA, please do...the SWC will include it in a future issue - If someone can find any information.

REPORTING TO LATIN AMERICA

Jan Tuner

The Latin American countries have always been a very interesting target for DX listening and their popularity among DXers seems to have increased year by year. There are several explanations. One is the lively and gay programs these stations offer. A more important explanation, however, is that this continent very soon will be the only one where one can find plenty of rare stations on shortwave. A decennium ago, one could find exotie low-powered stations in any continent, but where do we stand now? The loud radio voices grow louder, the bands are crowded with super powered transmitters of 100, 250, and even 500 Kilowatts. The new nations of the world buy new powerful transmitters. Some years ago it was good DX to log Madagascar, Ivory Coast, Nigeria, Togo, and so on. Well, you can hear them any day now - loud and clear.

Thus the boom for Latin America. In these countries we find an endless number of low powered stations which provide us with excellent DX. These stations are intended for local coverage only and they can bring us a scent of exotism, a message from a lonesome village in the Andes, from a mining camp in Bolivia, from a busy port in Chile. And it is all DX! Another advantage of Latin American listening is that we can do the best listening in the tropical bands where there are no jammer transmitters or international broadcasters spoiling the fun. Of course, one has to fight the ever present morse transmitters, but they are far more easy to tolerate than the superpower transmitters of Radio Moscow, VOA, Radio Peking, and the BBC to mention a few.

Yes, it is fun listening to Latin America, but at the same time it is difficult. Not many DXers have a sufficient knowledge of the Spanish or Portuguese language, thus reporting is very difficult. A complicating factor is the well-known fact that very few of the Latin American stations keep a record of what music they use in their program. Therefore, a report containing several correctly noted musical selections does not prove reception of the station and is consequently worthless. In order to prove reception, it is necessary to note names of the announcers, artists in show programs, program titles, program sponsors, and above all the advertisements. And this takes a certain knowledge of the language or a very well trained ear. I don't blame you if you don't get "Caffias Pirina" right the first time you hear it over a Brazilian station, in fact, it is almost impossible to get the correct spelling before you have seen it written.

This article intends to give the Latin American enthusiast some hints and advice in the art of reporting to Latin American stations with emphasis on the language problem. But let me say a few general words about the report itself.

There is a great difference between sending a report to Radio Nederland and to Radio Grigotá in Bolivia. Radio Nederland wants your report, they know what QSA and QRM are, they know what DX listening is, and they also know what you want - a QSL. And even if your report is incomplete, you will still receive an answer, although no QSL. It is so simple that it is almost impossible to fail. When it comes to Radio Grigota, it is entirely different. This station is intended to cover the city of Santa Cruz only and it is a business enterprise. Receiving a letter from a foreigner, telling that he has heard the station, is of course very interesting, but will it help the manager to make a better profit from his station? And what is this cryptic language of the foreigner? QSA, QRK.....?

You will realize that a report to a Latin American station must be compiled differently. Pro primo you cannot take for granted that the station manager speaks English, and even if he does, he will still be proud to see that the listener understands his language. Therefore, write in Spanish! It is understood even in Brazil if you don't care to write in Portuguese. Pro secundo you must not use the common DX abbreviations, unless you explain them. Don't write "QSB" but "variations in signal strength", not "QSA 3" but

REPORTING TO LATIN AMERICA

(continued)

"fair signal strength", and don't ask for a "QSL" but for a "verification of the correctness of my reception." Pro tertio don't confine yourself to the technical part of the contact. Unfortunately, this part is often the least interesting part to the person who receives your letter. Tell a little about yourself and about your city and why not enclose a small souvenir, something like a picture postcard. Remember that most reports are answered out of politeness rather than out of gratitude for valuable technical information. Don't expect an international secretary at these stations, most clerical work is done by the manager himself. Even if he does find your report interesting, he may not have time to reply to it.

Now, let us get down to business. Here follows an example of a reception report in the Spanish language, which could be used with individual modifications. The report is addressed to the above heard Radio Grigota....

Estimado señor:

Tuve el placer de escuchar su radioemisora CP70, Radio Grigota, y voy a darle unos detalles de la recepcion, esperando que seran mis observaciones de intres para Ud.

Escuche su estacion en 4825 kcs. el 10 de agosto de 1966 entre las 9.30 y las 10.00 de la tarde, su hora local. La fuerza de sus senales era bastante buena, pero sufrio de variacion de la intensidad y de interferencia de un transmisor de morse de vez en cuando y tambien de escaso ruido estatico.

Uso un receptor Philips con 8 tubos. La antena es un "longwire" de 10 metros en la direccion norte-sur.

Para probar que realmente ha sido su emisora que he sintonizado vienen aqui unos detalles de la programacion:

A las 9.30 Anuncio de la emisora: "Estaciones radiofonicas Grigota, la voz del oriente boliviano."

9.35 Anuncio para "Mejoral"

9.40 El programa "Bailables de la noche"

9.58 Anuncio papa cigarillos Viceroy

9.59 Anuncio para Teatro Azul

Si este informe corresponde con su libro de programas, me algeria mucho recibir una verificacion de mi recepcion de su radioemisora, indicando la fecha y la frecuencia de mi recepcion.

Sin otro particular por el momento, quedo a Ud.

una amigo para siempre,

(signature)

In translation, it reads:

Dear Sir:

I had the pleasure of hearing your radio station CP70, Radio Grigota, and I am going to give you the particulars of reception, hoping that my observations will be of interest to you.

I heard your station on 4825 kcs. on the 10th of August 1966 between 9:30 and 10:00 P.M. your local time. The strength of your signals was rather good but was suffering from variations and from interference from a morse transmitter now and then, and from slight static noise as well.

I am using a Philips receiver of 8 tubes. The antenna is a longwire of 10 meters in the direction north-south.

REPORTING TO LATIN AMERICA

(continued)

To prove that I did hear your station, here are a few details from your programs:

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If this information corresponds to your station log, I should be very pleased to receive a verification of my reception of your station, stating the date and frequency of my reception.

Yours sincerely,

(signature)

The above is only a skeleton for a good reception report, of course. You could add a few lines about yourself and your interests, your city and country. You can always find some friend or teacher who knows Spanish and who is willing to help you. Note the total absence of the Q-code in the report. Also, pay attention to the fact that the 24 hour system is not used, the a.m./p.m. system is dominant in these countries. I would also like to issue a warning when it comes to indicating the time and date. Remember that it can be a different date in your country from that of the station. In the example above we had August 10th, but in Europe we had August 11th! Avoid GMT unless you indicate the local time of the station at the same time. How many, apart from DXers, know the relation between GMT and local time without consulting an encyclopedia?

The program details are essential. Here you must really prove that you heard the station in question. This is difficult, especially when musical selections cannot be used as program details. The advertisements become very handy and many stations advertise for internationally known products such as Coca Cola, General Electric, various American cigarettes and so forth. The national or local advertisers can be more difficult to apprehend. However, the names of the products are often stressed and repeated, so with a little training you should be able to pick up several of them with little trouble. The spelling may become difficult, so here is a small Advertisement Guide, covering the brands heard most frequently over Latin American stations. Brazilian products are marked (b).....

Agreacol	Breacol	Gran Reserva	Vigoron
Alka Seltzer	Caffias Pirina	Mejoral	
Bayer	Colino	Melhoral (b)	
Bombril (b)	Gelomatic	Sonrisal	

Then, there are a number of key words at the mention of which you should be on the alert, since they indicate what kind of product it is. Here is a small list of important key words:

Almacen	-	Store	* fortificante	-various health
Aspirina	-	Aspirin		medicades
Banco	-	Bank	* jabon	- soap
Casa	-	warehouse	* loja (b)	- warehouse
Cerveja (b)	-	beer	* loteria	- lottery
Cerveza	-	beer	* pantalones	- trousers
Cigarillo	-	cigarette	* pneumaticas	- tires
Compania de seguros	-	insurance company	* refrigerador	- refridgerator
farmacia	-	drugstore	* ropa	- clothes
		sabonete (b)	-	soap
		pastal dental	-	tooth paste (tooth cream)
		supermercado	-	supermarket

REPORTING TO LATIN AMERICA

(continued)

The advertisements can come at any time, during a newscast, between two records, in a sports report and so on. The majority of them come on the hour, then usually combined with station identification and indication of the time (which not too seldom is incorrectly indicated!). A common feature is finding an advertiser sponsoring the station and time indication. For instance, one can hear "Sonrisa informa a hora certa: Em Sao Paulo a 8.35 precisamente." The name of the sponsor can also be caught at the announcement of the following program. A frequent word constellation is, "Melhoral anuncia a proxima atracao: Cancoes de Portugal."

It is my hope that the hints above will be of some use and help you get more out of your "LA" listening. The QSL percentage from these countries isn't exactly encouraging, but I believe the percentage can be considerably increased if one cares to learn the facts of Latin American DX, what makes it slightly different from other types of DX listening. This, combined with some extra effort with the reception report will surely convince you that Latin American continent is an exotic and exciting area, well worth listening to.

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N.B.: A Swedish DXer, Jan Turner, is probably just about the best Latin American DXer is all of Europe. His article has incorporated many of the facets of obtaining a QSL from a Latin American station. I have no doubt that many of you will find a considerable wealth of information in it - I know I did.

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PAKISTAN CALLING

In the south central part of the Asian continent lies the nation of Pakistan. Pakistan was founded in 1947 after the break-up of the Indian Union, which had been ruled by Great Britain. Although this country has many radio stations - all Government owned - the one most heard around the world is that of Radio Pakistan - External Services Division.

Carrying news, music, special programs, and timely commentaries, Radio Pakistan is on the air from 0030 to 2030 GMT on frequencies in the 13, 16, 19, 25, 31, and 41 meter bands. Though beamed to Asia, Africa, and Europe, it is also well received in North and South America. Conditions vary from fair to excellent, depending on the frequency and time of day. The programming of Radio Pakistan offers something for everyone's tastes, and many listeners consider it to be one of the better Asian stations.

Powerful transmitters located in Karachi beam the programs of the External Services around the world. Local and Zonal services originate from transmitter sites in Karachi, Dacca, Islamabad, Lahore, Peshawar, Qietta, and Rawalpindi. These services operate on frequencies from the 13 to the 520 meter bands. Local and Zonal transmissions run from 0100 to 1730 GMT.

Radio Pakistan's attractive QSL card pictures the coat-of-arms of Pakistan and a listing of the transmitter call signs. This multi-color card is the same one which has been in use for several years, and verifies reception of all transmitter sites.

Radio Pakistan has indicated a willingness to verify correct reception reports, with special emphasis on reports from within their target areas. According to the station, IRC's are not required for verification, however, they would be appreciated to defray airmail postage costs. Reports may be sent to: Mr. A.H. Kaleem, Director of Listeners Research, Radio Pakistan, Ferozsons Building, Hardinge Road, Rawalpindi, Pakistan. Recently, it has been noted that Radio Pakistan been deluged with DXers

PAKISTAN CALLING  
(continued)

requesting verifications from the country of East Pakistan. The station seeks to correct the mis-understanding by emphasizing that Pakistan is one nation - its territory divided by the state of India. Therefore, it would be wise to remember that East Pakistan is merely a "radio" country - like Hawaii or Alaska - though it is still a part of the nation of Pakistan. Request verification of a specific city if you like, but be careful to point out that you understand the political "facts of life" if you are referring to East Pakistan as a separate radio country....for a non-DXer, the differentiation may seem a bit difficult to comprehend.

When writing to Radio Pakistan, be sure to ask for a copy of their radio journal, "Pakistan Calling". It contains information on the latest frequencies and current articles on Pakistan.

So, tune in and send that report!

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VOA BLUNDERING

The Voice of America is getting bad marks for poor programming policy in Central America. Congressional leaders are being told that in this highly strategic area Radio Havana Cuba is scoring heavily in the propaganda field because of inexcusable VOA blundering. It goes off the air in this region between midnight and 5:00 a.m. Craftily taking advantage of this void, Radio Havana gets in its most effective propaganda licks.

The Castro station beams a steady stream of propaganda-loaded programs during the midnight to 5:00 a.m. hours, while the V.O.A. is silent. These broadcasts include programs in French and Creole especially for Haiti. Officials in Honduras, Guatemala, Nicaragua, Panama, and El Salvador have complained to the State Department about the situation, but so far, to no avail. The V.O.A. Director has brushed off these grievances contending that the Voice is "heard frequently, either directly or by shortwave, over nearly 1,700 stations in Latin America and the Caribbean." (Ed. note - I believe "directly" must refer to transcription service)

However, he has given no answer to the key point the Central American protestors are making: The VOA void between midnight and 5:00 a.m. which Radio Havana is astutely using for undisturbed propaganda bombardment.

Inside Washington Editorial

...via Larry Zamora

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IMPORTANCE OF MUSIC

Hank Michalenka

Next to language, music is the most important thing to the SWBC DXer. Top-flight DXers can tell what country they are listening to just by the music that they are hearing.

The real DXer will want a large "vocabulary" of music in his mind to use in reporting to stations. You can get some of this by reading at the library or by raiding a record/tape store, but the main source of this knowledge is radio itself. When you aren't listening to SWBC, turn to the BCB stations for pop music, ballads, country & western, and so forth. Even when you're on SW, tune around for music when you're doing some work around the shack and try to ID the record before the announcer does. If it is

IMPORTANCE OF MUSIC

(continued)

a well-known tune in a foreign language, so much the better. After all, you can't expect all your stations to be in English, so why would their music be either?

Here's a 15-minute test of your DX musical IQ:

- 1) Give yourself 1 point for each female singer you can name (up to 10)
- 2) Give yourself 1 point for each male singer you can name (up to 10)
- 3) Give yourself 1 point for each rock group you can name (up to 10)
- 4) Give yourself 1 point for each big band (40's) you can name (up to 5)
- 5) Give yourself 1 point for each song you can name in the remaining time.

Take this test with a watch or clock in front of you, and write your answers on a piece of paper. Don't go over the time and good luck!

Scoring

100+

80-99

60-79

40-59

under 40

Results

That's how many countries you've QSLed

Pretty good - need a bit of work.

Needs concentrated effort

Where have you been?

You are either a hermit or putting me on.

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MORE THAN ENOUGH

Robert E. Byers

In the present day of massive interference on the shortwave broadcasting bands, most of it is due to some stations that run an excessive number of transmitters at the same time. The stations that are guilty of this are usually the super-powered type - not only an excessively high number of transmitters, but all of high power. For most DXers, the high power is actually a nuisance rather than an assist in hearing the station. While the stations themselves may claim that such high ERP is necessary, one need look only to the amateur bands and see relatively small powered stations regularly spanning the continents.

Many stations (as examples, the VOA, Radio Moscow, and HCJB) operate several transmitter at the same time - which seems to be unnecessary. One time, when I took specific pain to listen to the sign on of Radio Moscow, they announced eight frequencies beamed to one target area (North America)...four in the 25 meter band and four in the 31 meter band. This is a senseless crowding of valuable frequencies.

I personally feel that strict measures should be taken in this matter and that an international agreement reached in which it was stated that only a certain number of frequencies could be used at one time by a country....perhaps no more than two per band. The resulting "space" would offset the lack of broadcast power, for it would be just as easy to receive a station - and would enable more "voices" to be heard.

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Recently heard over a Radio Prague English broadcast was an announcement regarding a new contest. It is held in connection with the Foreign Services of Bulgaria, GDR, Hungary, Poland, Rumania, Mongolia, and the USSR. The contest asks you to write an essay of 400 words or less on the two questions...When and how did you first hear the name of Lenin? What does it mean to you? Top prizes are four 1 week visits to Czechoslovakia...and the Grand Prize, a one week trip to Moscow. All entries will receive a postcard picturing Lenin. More details can be had by writing to the station. Deadline is February 15, 1970. ....what happened to non-political contests?

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KNOW YOUR SHORTWAVE RECEIVER

Al Niblack

(Part III)

The RESPONSE CONTROL (MODE) serves to make the receiver operative for (1) AM (Amplitude Modulation) reception. (2) For making the receiver operative on SSB, either Upper or Lower Sideband. In some receivers, switching to the sideband automatically makes the BFO (Beat Frequency Oscillator) circuit operative. In other receivers, the BFO is a separate function. A PITCH control is used in conjunction with the BFO to vary the pitch of the incoming signal (CW or SSB). The AVC switch places the automatic volume feature in or out of the circuit, depending upon the operator's wishes. This is useful in certain types of reception. On some receivers a front panel control permits the operator to control the AVC action between slow, medium, and fast speeds (useful in SSB reception). Other manufacturers build this feature into their receivers and the action is automatically taken care of depending upon the "mode" position the receiver is switched to. Other standard general coverage receiver features are: an arbitrary logging scale on the Bandsread Dial. And, a control, and an accessory socket. Tuning should be geared for minimum back-lash, ease and accuracy of resettability, and long life, with a provision for manual fine adjustment for setting the dial with accuracy.

## KNOW HOW

There is skill in tuning a shortwave receiver correctly. Twirling knobs aimlessly and roaming across the bands may be fun at first but it will not produce satisfactory results.

The initial step is to learn the purpose of each control on the receiver and its functions. Read the instruction manual (if the manufacturer did not think it had any real value, he would not have included it) and practice until you are acquainted with the receiver. Refer to the instructions at a later date to ascertain if you have fallen into any errors in operating the receiver. It can happen, you know.

Tuning is easier on the stronger signals and fading is less. This type of signal makes an ideal place to start. When using a general coverage receiver, learn to coordinate the Main tuning and the Bandsread Tuning, putting the receiver "on frequency". In AM (Amplitude Modulation) listening, tune in on segments of the band where interference is heavy. Learn the function of the T-Notch control (or similar control) and how to null a heterodyne without attenuating the wanted signal to unreadability. An optional method of removing a heterodyne if two stations are transmitting in close proximity (practically in each other's laps) is to place the receiver in the SSB mode (usually the Upper Sideband) and tune across the station, selecting the desired Sideband of the wanted station. If the interference still exists, shift to the Lower Sideband position, repeat the tuning process and pick up the opposite Sideband obtaining optimum rejection of the interference.

Note that some signals are weak and display definite "fluttering" properties, easily noted on the S-Meter. These are signals that arrive via the "trans-polar" path and it takes closer listening and more comprehension to copy.

Get a mental picture of each band of frequencies so that you are familiar with each station as it appears on the dials. You are immediately able to spot a "stranger" in the midst and do the monitoring to obtain proper identity.

Complaints of lack of sensitivity in a receiver are not always justified. It may be nothing more than the failure of the operator to properly tune the Antenna Trimer control (or Preselector Control) for optimum sensitivity on each band, always for the highest S-Meter reading, indicating the utmost in receiver sensitivity.

KNOW YOUR SHORTWAVE RECEIVER

(continued)

In reception of AM phone signals, the AVC is usually left in the circuit. However, at times when tracking a weak station that lies adjacent in frequency to a strong station, the strong signal make take command of the AVC and block out the weaker signal, causing it to disappear. In such an instance, switch out the AVC action and use the RF Gain Control to cope with the blocking action by setting it properly. Possibly also reset the Audio Gain control.

In listening to the lower frequencies, the 120, 90, 60, and 49 meter bands, the atmospheric noise level may be improved by narrowing the "sidebands" of the receiver. A 1-KHz setting of the IF Selectivity control will make for high attenuation of the signal, but if properly adjusted to exclude the major portion of the noise - the readability of the signal will actually be improved. This trick is a must in lower frequency DXing.

In sleuthing for weak signals always run the receiver with the RF Gain control wide open. If the receiver is a "hot one", once the signal has been located a happy compromise between noise level and signal level can be obtained by proper adjustment of the RF Gain control. Placing the BFO in the circuit helps in locating extremely weak signals that might be overlooked. The audible beat note produced will cause you to investigate every signal located.

To obtain optimum results from your shortwave receiver, it necessarily follows that one must know his receiver - must know its performance, its flexibility, and its possibilities. You must acquire some "know-how" of what long distance radio reception is and how its signals are propagated.

The PROOF of a listener's skill is the DX he produces and shares with others, and the QSLs he obtains. Keep handy beside the receiver an up to date frequency listing.

Narrow your receiver's selectivity, get in there and start to dig - there is DX gold hidden in that pile of QRM!

NOTE: The illustrations used are representative. There are other manufacturers of short wave receivers.

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This is the third and final part of Al Niblack's KNOW YOUR SHORTWAVE RECEIVER.

Quite a reference article for all of us. Members would be wise to save their copies of it....for future reference.

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AND YET MORE

Another contest with political connotations.....Radio Havana Cuba is sponsoring a contest offering twelve trips to Cuba. Contestants must answer in essay form of not more than 500 words, "What is the significance of the Cuban Revolution to Latin America?" Entries must be in Havana by March 30, 1970, and all entries must be accompanied by an official entry blank (available from the station).

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Next month's SWC will feature an article on All India Radio....a DXers paradise by Al Sizer...."Caribbean Interlude" by Dr. T.B. Williamson....Part IV of Gregg Calkin's the "Art of Verifying"....George Fisher & Bruce Haines with "A Timer for Your Radio".. and other features. Watch for it! Start off 1970 the right way - by contributing to FRENDX and to the S.W.C.

THE ART OF VERIFYING

Gregg A. Calkin  
(Part III)

The chart is as follows:

SINPO signal reporting code:

Rating	Scale	S	I	N	P	O
+	5	+ Excellent	+ Nil	+ Nil	+ Nil	+ Excellent
+	4	+ Good	+ Slight	+ Slight	+ Slight	+ Good
+	3	+ Fair	+ Moderate	+ Moderate	+ Moderate	+ Fair
+	2	+ Poor	+ Severe	+ Severe	+ Severe	+ Poor
+	1	+ Barely audible	+ Extreme	+ Extreme	+ Extreme	+ Unusable

A very strong signal, with no interference, static, or fading, would register as SINPO 55555.

It should be mentioned again though, that this code may be useful in reporting - but it may not be understood by many of the smaller stations in Africa, South America, and the South Pacific, and in any case should be supplemented by a fuller explanation of what is meant.

4. Equipment - This is also a very important section of the report. Herein must be given information on the receiver, antenna, additional equipment, and any local conditions that are pertinent to good/bad reception.

- a) Receiver: State the name, model number and make of the receiver. Mention whether it is solid state or tubes (valves in Europe), the number of R.F. stages, number of tubes or transistors and any other particularly salient features. If, for example, the receiver should be a Drake SW4-A, it would be a good idea to mention the tuning accuracy.
- b) Aerial: In discussing the aerial, give its type (longwire, doublet, dipole, and so on), the frequency for which it was cut (if any), the effective height (average height in sloping aerials), the direction it is beamed (in as much as most aerials, excepting verticals, have directional characteristics) and its length in feet or meters. Feet may be used for English speaking countries. Quote the length in meters for all others, using the following formula: Length in meters =  $3/10 \times$  length in feet.
- c) Other Equipment: Mention any other equipment used in addition to the receiver. Included in this might be a Pre-amplifier, Q-Multiplier, Noise Suppressor, crystal calibrator, tape recorder, etc.
- d) Local conditions: In a few cases this may have some impact on reception. If, for example, a DXer lives in a very high locale, on top of a hill, near a body of water, in a valley, etc., the reception may be appropriately affected. Local electric storms or proximity to a neon light factory are also conditions. Living in a densely populated and central urban area, with all its local interferences could also be mentioned if it affected reception.

5. General Comments - This is the last section of the actual report, and it should contain a few personal details. Included here might be age, profession, and a brief mention of other hobbies or interests. If the DXer has ever visited the country to which he is writing, it would not be inappropriate to mention this at this point, possibly with a familiar anecdote of a happening then.

Finally, the DXer must request a verification of the report. Be polite, never demanding and suggest tactfully that if the report has been of interest to the station, and of help to the engineers at the transmitter site, a QSL card or letter confirming the report as correct would be appreciated greatly. Mention should be made of how much the QSL is wanted. It is always a good idea to let the station know (discreetly)

THE ART OF VERIFYING

(continued)

that the SWL realizes the station is doing him a favor by replying. This tactic is particularly useful in gleaning QSLs from Soviet stations. State also, at this concluding point in the letter, that return postage is enclosed to help defray postage costs (See Number 6 INCLOSURES below).

In closing this section on the Actual Report, two points should be mentioned and retained. First, reports to a station monitored over a period of two weeks are more worthwhile than a single report on 1 transmission. It will tend to give the broadcaster a better indication of how its signal is consistently "getting through". If on the other hand, the signal is weak, the station rare, or the conditions exceptional this will not be possible. In that case, it is best to make a single report cover as lengthly a period as possible. One to two hours is best, but where that is not practicle, it can only be suggested that the individual DXer do the best he can with his reception conditions and time available.

The second point is that reports on transmissions beamed to the DXers part of the world are more useful to a station than those beamed to others. For example, a station in Europe beaming a transmission to South East Asia is more interested in receiving reports from South East Asia and would be more apt to answer those than ones from North America on that particular transmission. Attempt to report those transmissions beamed to your area, if at all possible. It is more beneficial to the station and your chances of receiving a QSL are enhanced.

6. INCLOSURES - In addition to the actual report, it may be advisable to include in the envelope one or two other items. The first and most mandatory is return postage for the verification. It is, after all, a courtesy the station is extending in returning a verification and the least the DXer can do is to send return postage with his report. Some larger stations have stated they do not wish return postage to be sent, but as a general rule, return postage ought to be sent with all reports. It may be done in one of two ways.

The first and easiest way is by using International Reply Coupons, available at any pcst office for \$ .15 each. They may be redeemed in foreign nations for the cost of postage stamps on a letter to your own particular homeland. Three or four IRCs will normally assure an airmail reply. The second method of remitting return postage is by sending mint stamps of the country to which the DXer is writing. This practice has become more and more popular in recent years with the advent of the DX Stamp Service, 466 Weaver Road, Webster, New York 14580, U.S.A. Run by a good friend of DXers, "Sax" Ringler stocks large supplies of foreign postage stamps from all over the world, as a service to DXers. (For an order form and recent price list, drop Sax a line) By sending mint stamps (which are sold in the exact amounts required for air postage to North America), the DXer removes the problem of "cashing in" IRCs, a definite problem for smaller stations which may not have a post office in the next block.

A second item which may be sent with your report is a tape recording of the received signals. This is a new aspect of DXing which is becoming more popular with the advent of better and cheaper tape recorders. DXers are turning to recorders as the second most important instrument in their shack. Many stations will now accept recorded reports and are quite willing to receive them, in as much as they can hear for themselves how their signals are being received in the target area. A few brief suggestions for sending recorded reports are perhaps in order.

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Part IV of the "Art of Verifying" will appear in next month's FRENDX. Look for it!

WHITE ELEPHANT

The Mormon Church's sortie into international shortwave broadcasting with WNYW-New York has proved to be a financial drain, and the Church is seeking to unload it - so far without success. The Mormon Church reportedly offered the station to the Voice of America for \$ 1.00 (one dollar!), and failed to make sale. The Church has informed the Federal Government of its unwillingness simply to let the station go silent, since its frequencies might then be lost (ITU Regulations). It's understood that the Church has received inquiries from potential buyers, but no hard offers.

The Mormon Church acquired the station from Metro-media Inc. in 1962 for \$ 1.8 million, later bought new equipment, including transmitters, after the transmitter site in Scituate, Massachusetts, was hit by fire.

Broadcasting (Nov. 17, 1969)

.....via Garry L. Dexter

\* \* \*

HRWC - HONDURAS

Marlin A. Field

During the later part of August, I had the pleasure to have as my guest, Ron Youngs, Program Director of HRWC, the Evangelistic Voice of Honduras, in Tegucigalpa. He brought some mementoes of Honduras for me, including a large pennant that the station gives to churches that support its work. When he, his wife, and their five children - Brian, Dale, Mark, Brenda, and Jodie - stopped in Benton Harbor, they were on their way to the headquarters of the Conservative Baptist Home Mission Society in Wheaton, Illinois, which operates the station, and to Cedar Rapids, Iowa, where they are spending their winter furlough. Ron and his wife, Joyce, are natives of Michigan; their parents still reside in the Kalamazoo-Plainwell area. Before going to Honduras three years ago, they served for five years as missionaries to the Eskimo people around Churchill in Canada.

\* \* \*

THIS AND THAT

The American Bible Society, using four powerful Christian Radio Stations, is now broadcasting daily Scripture readings, at dictation speed, in the two main Chinese dialects: Mandarin and Cantonese. The stations involved in the programs beamed to the communist Mainland are KSUB--Okinawa (MW)SEARW-Philippines, FEBC-Philippines, and Radio Voice of the Gospel, Ethiopia.

July 1st marked the commencement date for an additional German program beamed to South America from Trans World Radio-Netherlands Antilles (Bonaire). The purpose of this program is to supplement the other broadcasts for the million-plus German-speaking people in South America.

ICB Bulletin

.....via Rod Williams

\* \* \*

That's it for this month, gentlemen (ladies too!). Once again a very Merry Christmas and a Happy New Year! See YOU in January? Hope so. To NASWA's many friends around the globe - "Peace on Earth and in Space - Goodwill to all of mankind."

WAMatthews



## NEWSROOM

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ROBERT HAGERMAN\*EDITOR  
475 WILSON STREET  
HEMLOCK, MICHIGAN 48626

Deadline 15th of Month

\* \* \* \*

According to a card from Radio Sutatenza, Colombia (owned and operated by Accion Cultural Popular), they use these transmitters: HJGC - 5075 kHz with a General Electric XT-2A xmtr of 25 kw; HJCG - 5095, RCA BHF-50/B with 50 kw.; HJCT, Gates HF-10/B, with 10 kw. Antennas are three-wire folded dipoles, all about 90 feet high. The address is: Radio Sutatenza, Apts. Aereo 7171, Nal. 3262, Bogota, D. E. Colombia. (R. Sutatenza via Bruce Haines, Col.)

Here's a real DX catch! It's the Greek Armed Forces Radio Station in Greece. They're scheduled in English, French, and Greek, from Athens on 6045 from 0430-0000; and from Serrai on 5955 kHz from 0500-0800; 1000-1300; and 1500-2000. In addition to those, also on 5955 on Sundays from 0800-1000. The name in Greek is: Ypiresia Enimeroseos Enoplon Dynameon Hellados. Their address: Greek Armed Forces Radio-TV Stations, 136 Messogion Street, Athens. (Greek Armed Forces Station via Ed Shaw, California)

Radio Libertador, Venezuela, has "The Supper Club" from 0000-0100 with news and musical selections; and "Natividad" with selections from 0400-0427. Frequency is 3245 kHz. (R. Libertador via Larry Zamora, Texas)

Radio Bandeirantes, Sao Paulo, Brazil, lists this as their current sked (all Portugese xmsns): 6185 (call ZYR77), //11925 (ZYR78), daily from 0800-0300. Verification is erratic. (R. Bandeirantes via Bruce Haines, Colorado)

Venturing into mail from the "Dark Continent", the Voice of Nigeria (external service of Radio Nigeria) has sent this sked: English is from 0600-0730, 1530-1700, and 1800-1930, all on 7275, 11770, and 15365 kHz. French from 1330-1430 and 1930-2030 on the same frequencies. (R. Nigeria via Gregg Galkin, Ontario, and Dave Volle, Illinois)

Missionary station HRVC, La Voz Evangelica de los Honduras, on 4820 kHz, has English listed from 1500-1600 and 0300-0400. (HRVC via John Hedstrom, Illinois)

Remember, Radio Denmark is going off the air in English after April 1, 1970, unless we write and save one of the better stations on the air. Write to: Mr. Hans Solvhoj, Director General, Radio-house, Rosenornsalle 22, Copenhagen V, Denmark. In the meantime, their English broadcasts are on 15165 for NA from 1245-1315, and on 9520 from 0145-0215. (Direct from R. Denmark and via John Banta, New York; Bruce Haines; Chris Tomaszycski, Michigan; and Dave Volle.)

Newest Mexican SWBC'er, R. Mexico, is scheduled from 0000-0500 on 11720 kHz. They're operated by the News and Information Agency of Mexico. Manager is Dr. Jorge Alberto Lopez Reyes, and reports go to: Radio Mexico, Apt. Postal 20100, Mexico 20, D.F. Call: XERMEX. (Direct from Dr. Alberto/R. Mexico and via Dave Volle, Illinois)

Swiss BC'ing Corp., Berne, Switzerland, has these frequencies for their English broadcast to NA, good through May 1, 1970: 0130-0230 on 6120, 9535, 11715; 0445-0545 on 6120, 9720. To Europe: 0700-0800 on 6165, 9535; 1130-1230 on 9665, 11865; 1930-2030 on 6055, 9665. To Australasia: 0700-0800 on 9590, 11775; Asia: 0845-0945 on 9665, 11760; 1315-1415 on 15305, 17845, 21520; 1500-1600 on 15305, 17820. Africa: 1000-1100 on 15305, 17795, 21520; 1815-1915 on 15305, 17795. (Direct from SBC and via Chris Tomaszycski and John Parkinson, Alberta)

Radio Canada's latest English sked reads like this: USA: 1217-1313 on 9625 (//17820 to Europe and 11720 to Caribbean); 2300-2330 on 15190, 11945, 9625; Africa (via BBC) from 0715-0745 on 11970, 15390, 17820; 1832-1915 (de Sackville, Canada) on 11905, 15325, 17820; Europe: 0715-0745 on 5990, 9625; 2115-2152 on 9610, 11720, 15325; Australia: 0830-0930 on 5970, 9630. These in effect until February 28, 1970. (Direct de R. Canada and via Chris Tomaszycski and Edward Bull, Colorado)

Radio Tv Belge, Belgium, has their English "Belgium Speaking" thru March 2, 1970, as so: 2205-2215 on 9550, 9740, 11715; 0050-0100 on 6125, 9740, 11715. 9550 is 20 kw. (R. TV Belge via Bruce Haines, Col.)

Radio Tashkent, Uzbekian SSR, has English (as always) at 1200-1230, 1400-1430 on 9600 and 11925 kHz. (R. Tashkent via Edward Bull)

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Radio Sweden's English sked, through March 1, 1970, is as follows: ECNA: 0030, 0200 on 5990; 1100 on 15315; 1400 on 21585. WCNA: 0230 on 11705; 1600 on 15310. SA: 2245-2315 on 11705. All xmsns are 1/2-hour long. (Direct de Radio Sweden/Swedish Telecomm. Admin.)

Radio Norway, with English broadcasts on Sunday (GMT) to NA, lists these times and frequencies: Valid through February 27, 1970: 1600 on 17825, 21655, 21730, 25730, 25900; 2000 on 9645, 11735, 11850, 21655, 21730; 2200 on 11735, 11850, 11860; Mondays (GMT): 0000 on 9645, 11735, 11850; 0200 on 9550, 9610, 9645; 0400 on 9610, 9645, 11735. All are 1/2-hour long. (R. Norway)

Deutsche Welle, Cologne, West Germany, lists these broadcasts to NA: English: 0130-0250 on 6040, 6075, 9735; 0435-0555 on 6075, 6145, 9545; 1045-1055 on 9605, 11905, 11795; 1900-1910 on 9605, 11795, 15245, 17705. In German: 0000-0215 on 6100, 6145, 9655; 0200-0415 on 6100, 6145, 9605; 0400-0610 on 6100, 6185, 9735. To December 6, 1969: (Direct from DW, Koln)

Radio Belgrade, Yugoslavia, lists these English xmsns: 1530-1600 on 9620, 11735, 15240; 1830-1900, 2000-2030, 2200-2215, all on 6100, 7200, and 9620 kHz. (R. Belgrade via John Hedstrom and via Dave Volle)

SUPPORT YOUR CLUB - REPORT TODAY!

Another good month, although we have only 2 pages instead of the usual 4. Hopefully, back to full size next month. Be sure to mention if you want your skeds or other items returned. If nothing is said, I'll keep them. Many, many good reports this time around, keep 'em comin'! This fine crew takes the entire credit this month (as well as stations):

John Banta	Bruce Haines	Chris Tomaszycski
Edward Bull	John Hedstrom	Dave Volle
Gregg Calkin	John Parkinson	Larry Zamora
Bob Estand	Ed Shaw	

Thanks all for your great support. Best of wishes (DX and otherwise) throughout 1970 and a very MERRY CHRISTMAS to all. Until next month, (when I get another chance to show off my gear tiypn), 73 de Bob



# QSL REPORT

GREGG A. CALKIN-EDITOR  
131 COOPER STREET, APT.903  
OTTAWA, ONTARIO, CANADA

Deadline, 15th of Month

## SCOREBOARD

N°.	Name/Reporter/Location	HIC/VIC	HIS/VIS	HIC/VIC	AFRICA PRIZED QSL/KHz
1.	Don Jensen, Wisconsin	198 194	---	56 56	Radio Gambia, 4820 kHz
2.	Bob Padula, Australia	198 185	---	57 54	Radio Zambia, 2355 kHz
3.	Barry Williams, New Zealand	198 183	-- 1824	54 53	Seychelles, 4940 kHz
4.	Gerry L. Dexter, Wisconsin	188 184	758 527	54 54	Radio Gambia, 4820 kHz
5.	Dr. T. B. Williamson, Ontario	180 168	---	52 49	ZNB, Mafeking, 5900 kHz
6.	Bill S. Sparks, California	179 175	---	47 46	R. Somali, 4797 kHz
7.	Marlin A. Field, Michigan	177 166	586 438	50 47	Mt. Nyeri Reg., 6170
8.	Alan H. Roth, Connecticut	177 161	479 361	51 50	R. Biafra(direct) 7304
9.	Jan Tunér, Sweden°	176 148	---	53 49	Voz de Isla de la Palma
10.	Dan Henderson, Maryland°	175 145	---	49 41	MBS, Mauritius, 9710
11.	Wendel Craighead, Kansas°	171 153	---	49 45	BEC W.Africa relay 9555
12.	Richard Wood, Hawaii only°	171 92	565 167	41 20	BBC Botswana, 4845 kHz
13.	Robert Shepherd, Australia	166 148	---	-- --	Bissau, Port. Guinea
14.	Gregg A. Calkin, New Brunswick	161 148	325 182	49 44	ZNB, Bechuanaland, 5900
15.	David L. Potter, Florida	160 ---	395 ---	38 --	Somali Rep., 6095 kHz
16.	Edward Shaw, California°	154 123	324 176	38 28	R.Clube de Melanje, 7115
17.	Del Hirst, Texas°	150 104	341 108	39 26	R.Haute-Volta, 4815 kHz
18.	Dan Ferguson, Florida	148 ---	362 ---	42 --	-----
19.	Bruce W. Churchill, California	147 121	---	45 34	ORTF, Réunion, 4807 KHz
20.	Don W. Billingsley, California	142 109	---	30 22	Ouagadougou, 4815 kHz
21.	Kris Lemna, Indiana	141 92	---	24 15	-----
22.	Bill Matthews, Pennsylvania°	140 118	282 162	36 27	R. Diamang, 11685 kHz
23.	Mike Macken, Massachusetts	138 78	---	31 14	Lomé, Togo, 5047 kHz
24.	Robert Hagerman, Michigan	137 107	350 150	40 22	Sudan BC Sce, 15789 kHz
25.	Chris Lobdell, Massachusetts	136 102	297 202	36 27	Conakry, Guinea, 7125
26.	Alvin Sizer, Connecticut	132 105	281 115	34 21	Sudan BC Sce, 4994 kHz
27.	Arthur Poulis, Massachusetts	132 100	---	29 22	Bamako, Mali, 3346 kHz
28.	William Via, Maryland	131 118	240 137	35 29	MBS, Mauritius, 9710
29.	Craig Koukol, Illinois	130 92	179 100	38 24	Azores, 4865 kHz
30.	Bruno Colapietro, New York°	125 113	210 183	32 27	ORTF, Réunion, 2246
31.	Bill Eddings, Pennsylvania	122 103	168 151	22 19	R. Tanzania, 5050 kHz
32.	Mike Mamp, Texas°	120 105	192 139	26 23	R. Malawi, 3380 kHz
33.	Richard Anderson, Illinois	117 98	---	22 16	R. Biafra, 6145 kHz
34.	Brent M. Wolfson, California°	116 61	159 67	19 8	RCM, Lourenco Marques
35.	Robert Getman, Wisconsin°	115 91	222 104	21 19	Dahomey, 4870 kHz
36.	Richard D'Angelo, New York°	113 65	---	23 13	Mogadiscio, 7120 kHz
37.	Terry Adkins, California	112 55	134 61	21 11	Luanda, Angola, 4820
38.	Robert H. Wilkner, Florida°	112 55	---	23 12	EAJ205, F.Poo, 6250 kHz
39.	Gary Mickle, California°	111 89	212 133	21 16	Nouakchott, 4855 kHz
40.	Alex T. Primm, Missouri°	109 81	112 81	26 22	R. Zambia, 3346 kHz

41. George Schnabel, New York	106	86	---	---	25	16	-----
42. Andrew Pappas, Illinois	105	93	115	96	23	20	R. Tanzania, 5985 kHz
43. David R. Alpert, Illinois	102	87	122	105	23	15	RCM, Mozambique 11780
44. Al Reynolds, North Carolina	102	72	152	85	15	10	Voice of Biafra, 6145
45. Richard L. Murphy, Texas	101	81	---	---	19	16	RCM, Mozambique, 4855
46. Steve Kamp, Texas	99	85	241	127	26	22	Tananarive, 7105 kHz
47. Barry Glassberg, New York	98	75	164	90	15	10	R. S�n�gal, 15115 kHz
48. H. Price Kagey, Pennsylvania	97	86	---	---	21	17	Radio Togo, Lom� 5047
49. Jerry L. Green, Virginia�	94	80	105	80	22	16	Yaound�, Cameroun 4972.5
50. Norm Jacobson, Wisconsin�	92	82	115	90	18	15	ETLF, Ethiopia 11890
51. Thomas Henry, New York	91	59	---	70	--	--	-----
52. Dennis P. Driscoll, North Car.	90	60	150	85	--	--	-----
53. John Zaharek, Connecticut�	88	77	142	106	20	15	R. Bamako, Mali 4835
54. Bob Kirkpatrick, B.C.	88	71	97	79	14	13	BBC, Botswana, 15105
55. Charles J. Artiss, Michian�	87	71	148	107	17	12	Leopoldville, 11755
56. Michael J. Seth, New York	87	49	119	51	9	3	Radio Ghana, 9760 kHz
57. James S. Hurst, Maryland	86	75	103	83	14	13	Togo, Lom�, 5047 kHz
58. Richard S. Heggs, B. C.	86	60	112	72	--	--	-----
59. Stanley D. Mayo, Maine	85	79	---	---	17	15	R. Zambia, 3346 kHz
60. Tom Upton, Texas	85	64	137	94	17	14	-----
61. Thomas B. Alleman, New York�	85	62	96	79	21	15	R. Zambia, 3293 kHz
62. Henry Michalenka, Rhode Is.	84	68	108	76	16	12	R. Nigeria, 4990 kHz
63. Jim Homan, Missouri	84	67	120	82	14	13	R. S�n�gal, 4890 kHz
64. Joseph A. Breton, Massachusetts	84	64	---	---	15	12	Voz de Angola, 5960 kHz
65. Harry Smith, Ohio�	81	71	81	70	15	12	Ponta Delgada, 4865
66. Dr. Wm. G. Caldwell, Calif.	81	67	---	---	13	12	Dakar, S�n�gal, 9720
67. Bruce Reynolds, Missouri�	80	69	---	---	13	12	RCM, Mozambique 11780
68. John Mraz, Pennsylvania�	80	58	108	67	14	11	R. Brazzaville, 15190
69. Kevin Brown, Michigan	79	57	140	69	14	10	ORTF, Brazzaville 15190
70. W. John Hartman, New York�	79	57	107	84	14	11	-----
71. Dan Trigilio, Connecticut	78	13	---	---	11	2	Radio Ghana, 11850 kHz
72. Jerry M. Stuart, Oklahoma	77	62	---	86	15	10	R. S�n�gal, Dakar, 9720
73. Bill Martin, Del.	76	37	103	43	15	7	ELWA, Liberia, 11975
74. Carroll R. Patterson, Georgia	75	62	143	78	--	--	-----
75. Ken Lyon, New York	74	64	98	71	12	10	ORTF, Brazzaville 15190
76. Alan Jeeves, D. C.	74	20	108	21	13	5	R. Clube do Lobito 7175
77. David M. Baltimore, Penna.	73	55	74	55	14	10	Lourenco Marques 11780
78. David Volle, Illinois	73	44	94	56	10	6	Voice of Nigeria 15365
79. K. Stenson, Vermont	73	34	49	37	--	--	-----
80. Kim Elliott, Indiana	72	50	101	59	13	8	ORTF, Brazzaville 11725
81. Michael Silverstein, New York�	72	50	87	60	12	8	BEC Ascension 11820
82. Donald F. Herbert, Penna.�	72	45	---	---	10	6	Radio Ghana, 9760 kHz
83. Bruce Goldman, New York�	71	56	100	66	16	11	Togo, Lom�, 5047 kHz
84. Ron J. Ponke, Michigan�	71	20	---	---	--	--	SABC Paradys, 4945 kHz
85. J.D. Thornton, California�	70	69	---	---	10	10	R. S�n�gal, 15115 kHz
86. John Forsythe, P. Q.	70	57	86	74	--	--	-----
87. John T. Soneff, Louisiana	70	53	96	58	8	5	-----
88. Greg Barman, Illinois	70	30	83	35	14	6	ETLF, Ethiopia, 11920
89. Irwin Glasberg, P. Q.	69	54	110	68	13	9	R. S�n�gal, 4890
90. Douglas Anderson, Florida�	68	61	100	67	10	10	R. S. Africa, 4945 kHz
91. Bob Citronberg, New York�	68	60	71	64	11	11	Radio Togo, Lom� 5047
92. James S. Wilkie, Missouri�	68	58	68	58	15	10	Radio Togo, Lom� 5047
93. Bob Penn, Georgia�	68	54	83	64	11	8	Brazzaville, 15190 kHz
94. Marty Kane, New Jersey�	68	51	81	53	10	6	ETLF, Ethiopia 15400
95. John A. Figliozzi, N.Y.	68	14	88	14	10	-	Radio RSA, 6075 kHz

AUGURIOS DE MUCHAS FELICIDADES, BIENESTAR Y PAZ EN EL AÑO

96. Bob E. Estand, Texas	66	65	78	77	12	12	RCM, Mozambique 11820
97. Rudolph Menna, Pennsylvania°	66	42	72	42	10	6	Brazzaville, Congo Rep.
98. Larry Zamora, Texas°	65	51	70	63	8	7	RNE, Canarias, 15360
99. Peter Taylor, England	65	25	--	--	21	6	-----
100. Andrew Rugg, P.Q.°	64	60	109	101	14	13	Cotonou, Dahomey 4870
101. W. Allison Capson, N. B.	64	51	76	55	15	11	Cotonou, Dahomey 4870
102. Robert Moser, Illinois	64	49	--	75	6	5	RCM, Mozambique, 11742
103. Rowland Archer, New York°	63	54	72	53	12	5	Rabat, Morocco 11735 kHz
104. Chris Pygott, Ontario	63	43	69	44	7	3	ELWA, Liberia
105. Thomas J. Daly, New York	63	31	70	34	7	3	Accra, Ghana, 6110 kHz
106. Peter Rudolph, California	62	45	68	51	11	8	Abidjan, Ivory Coast
107. John W. Banta, New York	60	51	72	59	8	5	Cairo, U.A.R., 9475 kHz
108. Geoff Oates, British Columbia	59	50	76	67	9	7	ORTF, Brazzaville, 15190
109. Chris Kennedy, Maryland	59	47	60	47	11	10	Voice of Biafra, 7301
110. Paul Moore, Ohio°	59	46	65	48	8	7	ELWA, Monrovia, 11950
111. John Hedstrom, Illinois	59	36	69	39	6	3	R. Cairo, U.A.R., 9475
112. Mrs. Mildred Marshall, N.D.	57	47	77	65	7	7	R. Sénégal, Dakar 4890
113. Joey Nonnast, Texas°	57	40	69	44	10	8	NBC, Nigeria, 21455 kHz
114. Robert E. Byers, Ontario	56	46	70	53	8	6	Voice of Nigeria, 21455
115. Michael S. Baker, Maryland	56	43	--	--	--	--	-----
116. Len Hoskins, Wisconsin°	56	36	68	45	8	4	-----
117. Bert Adams, Ontario°	55	46	--	--	10	9	RCM, Mozambique, 3265
118. Lyle D. Hulser, Tennessee°	55	40	60	47	--	--	-----
119. Mary Mohrmann, New York	54	51	92	70	--	--	-----
120. Scott Mceller, Pennsylvania°	54	30	62	34	5	3	Accra, Ghana, 9760 kHz
121. A. A. Jinkinson, Ontario	53	43	--	--	8	8	Brazzaville, Congo 15190
122. Don Anthony, Connecticut	52	27	59	27	6	2	Cairo, U.A.R., 9475 kHz
123. Robert Adkins, Missouri	52	24	--	--	--	--	-----
124. R. C. Standish, Ohio°	51	25	53	25	8	4	Accra, Ghana, 11850 kHz
125. Dale Landolt, Illinois°	50	20	60	18	5	1	Radio RSA, 11875 kHz
126. Lee Boggus, Georgia	49	38	58	46	11	10	Cairo, U.A.R., 9475 kHz
127. Audie Kaufman, New York°	48	39	63	48	6	4	VOA/Tangier, 5965 kHz
128. Bruce Klemens, New Jersey°	48	39	55	44	8	3	Deutsche Welle/Rwanda
129. Jimmy Davis, Oklahoma°	46	34	67	42	8	5	Deutsche Welle/Rwanda
130. Charles F. Davis, N. C.°	46	32	46	32	7	4	Lagos, Nigeria, 4990
131. J. R. Mappin, Washington°	45	20	71	37	6	2	CR7BH, Mozambique 11718
132. W. P. Kilroy, D. C.°	44	26	49	27	6	3	Cairo, U.A.R., 12005 kHz
133. Ken Sedlacek, Nebraska°	44	15	48	17	5	3	Accra, Ghana, 6110 kHz
134. Edward Kelly, Pennsylvania°	44	14	44	14	5	2	Accra, Ghana, 11850 kHz
135. John De Smith, Minnesota°	43	33	50	35	7	7	ETLF, Addis Ababa, Eth.
136. Larry Maroney, Missouri°	43	33	45	35	5	5	ELWA, Monrovia, 11950
137. Arthur L. Skopec, New York	43	32	53	39	4	2	Accra, Ghana, 11850 kHz
138. Chris Stark, Nova Scotia	42	39	--	--	6	5	Radio Nigeria, 4990 kHz
139. Trev. Burke, B. C.°	41	39	73	68	4	4	Cairo, U.A.R.
140. Dennis A. Doonan, Wisconsin°	41	31	48	33	6	2	Leopoldville, Congo 11755
141. Michael Gouthro, New York	39	32	48	41	6	6	Accra, Ghana, 11850 kHz
142. Bob Peritz, New York	37	31	42	35	2	2	Cairo, U.A.R., 9475 kHz
143. Steven Fix, New York	37	21	88	--	--	--	-----
144. Ken Hildreth, Illinois	33	24	40	29	5	5	Accra, Ghana, 9545 kHz
145. Eddie L. Gafford, Kentucky°	27	24	36	29	2	1	Radio RSA, S. Af., 6075
146. Rick Kolb, Ohio°	26	12	27	12	2	1	Radio RSA, 11890 kHz
147. John A. Beggs, Ontario	24	22	27	23	2	1	Radio RSA, 11780 kHz
148. Thomas S. Murphy, Texas°	24	13	27	17	2	--	-----
149. Paul Curran, Massachusetts°	20	17	20	17	3	2	Cairo, United Arab Rep.

QSLs RECEIVED

AFGHANISTAN: Kabul w/regular map card in 18 days air. 2 IRCs for 15265 (Wastradowski)

ALBANIA: Tirana w/usual card in 8 days air for 7080, registered (Anderson)

ALGERIA: Algiers, white card in 2½ months for 9685. No IRCs (Adkins) 51 days, "archer" card in French w/sked & rpt form, seamail. Algiers report form used (Estand)

ANGOLA: Voz de Angola, card w/full data in 1 month for 5960. Has color foto of swimming pool; 2 IRCs sent. Rpted w/NASWA Port. form. V/S: Teiculano De Carvallio who said my Portuguese was excellent (R. Murphy) 9 wks for English rpt. Street scene in Luanda (Shepherd) 9660, 2 cards for 2 days reception; 2 IRCs; Total: 3 weeks (Field)  
R. Angola, 4820, card w/white birds against seacoast in 3 months (Adkins)

ARGENTINA: RAE, Buenos Aires, 9690, green card in 1 month (Adkins)

ARMENIA: Yerevan, 15140, 2 cards w/full data in 81 days, registered seamail. Also sked & p/cards. No IRCs (Koukol) 11 wks registered for Sun. 0800 11705 transmission (Padula)

ASCENSION: BBC Atlantic relay, card air in 14 days for 15400 from London (Williamson)

AUSTRALIA: Letter in 2 wks from P.W.R. Homfray, Director of Overseas Services, for 9580 specifying Shepparton, Victoria xmtr (Calkin) 15320/17820, 2 color cards of Tasman Bridge in 3 wks air (Caldwell) w/sked air for 21740 (Wastradowski) 17870/15160, 2 cards for comparison report on // frequencies in 7 months sea. No IRCs (Estand)  
ABC/Melbourne, 6150, map card in 25 days. 2 IRCs (Scoville) 3 wks after f/up (Jankowski)  
ABC/Brisbane, 9660, map card in 2 weeks. 2 IRCs sent: full data (Scoville)  
ABC/Sydney, 6090, card w/full data, seamail for airletter rpt in 66 d (Hall)

AUSTRIA: Vienna, separate cards for 17780 and 15385 in 3 wks to 1 month air. No IRCs. (Padula) 9770, 15 days airmail. No IRCs. QSL is p/card view of Vienna (Taylor)

BELGIUM: ORU, regular card in 1 month airmail w/sked. Mint stamps sent. Full data (Calkin) 3 weeks for 6125 kHz, for 2 IRCs (Haines)

BIAFRA: Voice of Biafra, 6145, letter from P.C. Chigbo, Special Representative in Abidjan w/confirmation statement. 47 days airmail. 4 IRCs (Sizer) 22 days by air from Abidjan; 1-IRC sent. For 6145 (Reynolds) Address is B.P. 8861, Abidjan, Ivory Coast (GAC)

BONAIRE: TWR, 11875, usual folder card in 16 days air; 1-IRC. V/S: B/ Jones. (Heggs) 11775, xmtr/diesel bldg QSL w/sked and relig. lit; 1-IRC sent and air reply rcvd in 1 week (Banta) 2 cards for 15295 and 15305 in 2 weeks air for IRC (Padula)  
Bonaire-Noorde, 15320, 23 days via Hilversum. No IRCs. Special Bonaire Commem. QSL (Padula) 11730, card in 2 weeks (Henry) regular card in 10 days air (Wastradowski) 10 days air; no IRCS sent (Taylor)

BRAZIL: R. Jornal do Brasil, 4875, black/white/yellow, 2 page folder type card printed in Port/Eng w/full data. 88 days seamail for Port. rpt and 2 IRCs, from V/S: Fernando Lerjo (Hall)  
R. Min. Educação, 11950, letter in 3 months for 2 IRCs. Incomplete data (Lemna)  
R. Nac. de Brasilia, personal letter from Lutherio Toledo, Box 1472 w/QSL stmt but no data in 3 wks (Fisher) 15445, friendly letter; rpted in English; 28 days (Banta)  
R. Vitoria, 5055, typed sheet of info on station and city, p/p/card and 2 decals by registered mail in 5 weeks (Dexter) carbon letter + p/card in 1 month. SASE (Field)  
Radio e Televisão Bandeirantes sent very nice pic QSL of modern xmtr building in São Paulo, w/QSL stmt in Eng/Port. Also nice personal letter. 2 IRCs sent and reply in 2 months airmail for 11925 (Haines)  
R. Globo, 11805, very colorful card w/Eng/Port text in 4 mos. Rpt in Eng (Reynold)  
Radiodifusora São Paulo, 6095/15155/11765, card by air in 2 weeks on 8th try from A. de Macedo Jr. SASE sent (Field)

BRITISH HONDURAS: Belize, 3300, card w/map of nation in 3 wks for 2 IRCs. 2nd try (Lemna) card in 1 month. 1-IRC sent (Henry)

BRUNEI: Very attractive map card showing Sultan Omar Al Saifuddin mosque, in green/gold/black and white. Has QSL statement but no time. 2 weeks for 4865. 3 IRCs (Fisher) 18 days w/same attractive card (Bull)

BULGARIA: Sofia, 9700, 2 nice cards showing "Wessebar" and "The Bachkovo Monastery". Letter, sked and 2 "Bulgaria Today" magazines in 9 weeks seaimail (Banta) colorful Sofia University card, sked, rpt form & form letter from W. Audreyeve in 1½ mos sea (Calkin)

CAMEROUN: Garoua, 5010, card in 3 wks air giving date/time only. Rpted in French(Koukol)

CANADA: CFRX, Toronto, 6070, card in 6 days w/full data. 3 IRCs (Sterling)

CJCX, green/white card in 8 days w/date only. Mint stamps sent (Anderson) 10 days, 3 IRCs, date and frequency given (Sterling)

CFVP, 6030, card w/all data but time in 10 days. Card has station picture.

(Lemna) 1 week w/full data. 6 ¢ stamp sent (Byers)

CBC Northern Sce, 11720, Eskimo sculpture card in 1 wk. Full data (Scoville) in 11 weeks seaimail. No IRC. 17855 kHz (Padula)

CBC/IS, Bluenose card for 5970 kHz (Anderson)

CEYLON: CBC, beautiful "Orchids of Ceylon" card in brilliant color, w/full data and tnx in 320 days air, for original + 3 IRCs, plus f/up w/stamps and IRCs. 2nd reply in a mongh (Hall) 10 days, after rpt w/2 IRCs sent to Listener Research Officer. Full data (Fisher) card in 15 days air for 3 CRCs; is yellow showing station bldg (Heggs) 4 mos air for 15230; IRC (Alpert) letter in 2 wks w/"Ceylon Radio Times" in May. Now "Orchids" card for Hindi/Tamil 11800 taped rpt (Madeley) beautiful card featuring wildlife of Ceylon (teenagers? GAC) for 15230 f/up in 8 months (Anderson)

CHILE: R. Presidente Balmaceda, 9590, blue/white card in 89 days seaimail. Rpted in Spanish w/ 4 IRCs to Cas. 13650, Santiago (Michalenka).

COLOMBIA: R. Colosal, 4945, letter + pennant from Rafael Navarro C., Gerente in 5 wks. 6th try (Dexter) letter + large blue pennant; in Spanish in 1 year (Roth)

Emis. Atlantico, 4906, letter + pennant in 2 weeks air (Dexter) letter + large green, red and white pennant in 20 days for mint stamps (Sparks)

Emis. Nuevo Mundo, 4755, card and booklet on Caracol network, air in 1 wk, from Mario Fric (Dexter) new card from V/S: Mario Fric L., Departamento Tecnico. 4 IRCs, air in 2 weeks. Rpted in Spanish; card is different from old 4795 one (Padula)

R. Sutatenza, folder card w/English/Spanish texts + QSL, w/full data in 1 month for 6075. 2 IRCs (Haines) white folder in 5 months for 6075 kHz (Adkins)

CONGO (DEM. REP. OF) R. Bukavu, 4836, form letter in French in 3 months after 5th rpt; V/S: C. Bokangama (Roth)

CONGO (REP): Radiodiffusion-Télévision Congolaise, Brazzaville, sent very attractive card in 3 months. Rpted in French. 3 IRCs (Fisher)

Radio Brazzaville, 15445, card in 5 months (Adkins)

COSTA RICA: TIFC, 9645, usual card in 25 days for 1-IRC (Wastradowski)

CUBA: Cards for 17750/11760, full data, air after f/ups from V/S: Maria Montero Triana, Head of Correspondence Department who advised of postal difficulties (Padula)

CYPRUS: CBC, Nicosia, 17875, very colorful card in 2 months for 3 IRCs (Lemna)

BBC/EMR, usual card w/no data in 2 months for 15420 (Adkins)

CZECHOSLOVAKIA: Prague, card of Javorava Valley for 21485 in 8 days w/FDC. (Anderson)

FDC of 1st Lunar landing stamps (Calkin) 21 days air, card of Pravec Gate (Taylor)

DAHOMEY: Cotonou, 4870, color post card in 12 days after f/up for 22 month old rpt. 3 IRCs sent and reported by registered tape (Pappas)

DENMARK: R. Denmark, 15165, DX Window Card in 4 wks air (Hurst) card of Radiohouse Aerial Tower for 9520 in 24 days air (Wastradowski) card w/personal note from S. Jackson saying transmissions will end at end of yr; also form letter thanking me for "sympathy" note; 37 days air and mint stamps sent (Calkin) tower card for rpt w/2 local p/cards in 1 month (Sterling) Very few chances left for this one in English. Act now (GAC)

DOMINICAN REPUBLIC: R. Comercial, 4883, letter in Spanish from Juan Nova Ramirez, Dir., in 4 months (Roth)

HIDB, R. Libertad, Spanish letter w/date and QSL stmt from Manuel Villa for NASWA Spanish form rpt. 1-IRC for 3225 kHz; time: 39 days (Sizer)

DOMINICAN REP. (CONT'D): HIBD, La Voz de la Romana, nominal 3355, verified in 3 weeks air w/photo view cards, letter + photo of announcer. V/S: Sr. Norberto Martinez, Gerente Mint stamps sent w/rpt (Williamson)

La Voz de la Libertad, Puerto Plata, 6190, personal letter in 6 weeks via air on 4th try. Also sent p/card. SASE enclosed w/rpt (Field)

ECUADOR: HCJB, 15235, Inca card in 2 months seamail. No IRC (Anderson) 15415, card in 4 weeks airmail; is two-tone brown, with black antenna mast and flowers (Padula)

R. El Progreso, 4725-30, letter + pennant in 3 weeks airmail from V/S: Efrain Herrera Guerrero, Gerente Proprietario. 6th try. (Dexter)

HC2AK, CRE Guayaquil, 4655, personal letter by air in 3 weeks on 12th try. V/S: ? for Rafael Guerrero V., Gerente. SASE sent (Field)

EL SALVADOR: YSS, personal letter in Spanish w/verie stmt in 1 month. Rpted in Spanish (Fisher) letter acknowledges my rpt in 1 month (Adkins) letter from Carlos René Rivera, Director, with pennant and data on Honduras conflict in 2 $\frac{1}{2}$  wks air for 5980 and IRC (Alpert) 24 days air. Reported using NASWA Spanish form and 2 IRCs (Volle)

ENGLAND: BBC, in reply to f/up letter asking for xmr site after "acknowledgement" card received for 6110, H.R. Hatch stated frequency was Woofferton in Shropshire on date of reception. (Calkin) 11780, card in 6 weeks airmail. No IRCs (Taylor)

VOA/Woofferton, usual card for 7200 in 1 $\frac{1}{2}$  wks air (Haines) 9740, 11 days (Marshall)

ETHIOPIA: ETLF, Addis Ababa, 15400, card, sked and papers in 54 days by air. 4 IRCs. (Michalenka) plain blue/white card, 11910 kHz, 18 weeks w/sked from B. Svenson, Audience Relations Dept (Padula) sked only, no QSL (Calkin)

FINLAND: Radio Finland, full data card in 7 weeks air. 1-IRC sent (Byers) tape sent to FDXC in DX pgm rpt. Full data card from FDXC and FBC in 2 months for 15185 (Sterling) 1 month airmail for 15185. No return postage sent (Estand)

FRANCE: ORTF, Paris, 15185, orange card and thank-you letter w/sked in 38 days for 2 IRCs (Marshall) 15295, 82 days w/all data. No IRCs (Koukol) 9620, 25 days (Adkins)

FRENCH GUIANA: Cayenne, 3385, letter in English from C. Pierre, Chef d'Etablissement for rpt in French w/2 IRCs. 17 days seamail (Hall) 3385, 2 weeks letter (Hurst)

GEORGIA: Radio Moscow confirmed report of N.A. Sce, stating on QSL "via Tbilisi, Georgia", for 11900 kHz reception in Sept. Time: 34 days. Also personal letter from Mrs. Eugenia Stepanova re sked change. No location requested either. Surprise! (Calkin)

G.D.R. RBI, new lovely card showing the Cecilienhof/Potsdam in 1 month seamail. (Caldwell) 2 months, 3 local p/cards sent and 3 GDR p/cards came in return w/QSL (Sterling)

G.F.R. DW, Köln, 9735, blue card of Europe in 22 days air; mint stamps sent (Calkin) 2 weeks air; 1-IRC (Haines) 15275, 12 days (Jankowski)

GHANA: Accra, 3350/3366/9760, 3 cards, regular green/yellow/red/white in 21 days airmail. V/S: Omar Amali, Director-General. External skeds enclosed. Mint stamps sent (Hall) 9760, air in 25 days w/sked stapled to QSL (Banta) 11850, 1 month (Volle)

GREECE: NHBI, 11720, b/w printed card in 5 wks air, w/colored tourist brochures in Eng., color view card and heavy felt insignia/emblem pennant. 3 IRCs (Estand)

GUATEMALA: TGNA, 5955, card and sked in 3 months, 4 days. IRC sent (Henry)

GUYANA: R. Demerara, 3265/5980, brown/red/black GBC card in 31 days air for mint stamps (Hall) nice tan card in 2 weeks for 3 IRCs. No time or freq (Fisher) 16 days air w/sked for 1-IRC (Volle) card in 14 days air. No marks for design here (Calkin) nice card w/date and QSL stmt in 1 week only. 3 IRCs. V/S: J/ Joseph (Haines) 12 days (Martin) 3 weeks for 1-IRC (Henry)

HAITI: R. Citadelle, 6155, card in 3 weeks air on 5th try. SASE enclosed w/rpt (Field)

HONDURAS: HRVC, Tegucigalpa, 4820, QSL, sked and letter in 22 days. 2 IRCs (Weber) white card and relig. lit in 3 months (Adkins)

HUNGARY: Budapest, 9833, b/w castle card in 2 months air. Also pennant and RBSWC bulletin. Full data QSL (Caldwell)

INDIA: AIR, card from Delhi for 21485, w/freq only. 2 IRCs (Shepherd) 9912 kHz, in 20 days airmail w/full data. 2 CRCs sent (Byers) (Shepherd)

INDONESIA: Card in 7 wks for 9770. Former V/S Mrs. Susie is replaced by Farida Nur//

IRAN: Teheran, 15135, white card, sked + "Iran Today", w/Iranian flag by registered mail in 2½ months. 2 IRCs sent (Marshall)

IRAQ: Baghdad, 11785, yellow map card in 6 months (Adkins)

ISRAEL: Kol Israel sent photo card of antennae for 9625 in 27 days air, w/sked and separate personal letter from Eileen Hyman saying NA transmissions were suspended while listener reaction was analysed. Card is same design as one sent a few years ago, only this is glossy foto. Very nice (Calkin) 9009, card w/apologies for delay (Adkins) 20 days (Jankowski)

ITALY: RAI, map/antenna card in 55 days for 11810 (Hedstrom) 11810, 6 wks w/sked. 2 IRCs (Weber) 2 wks airmail, blue/red/yellow color card (Caldwell) (Adkins)

IVORY COAST: Radio-TV Ivorienne, 4940, white card w/Africa map and full data in 5 mos//

JAPAN: NHK, 15445, card, sked and rpt forms in 11 days air. No time (Scoville) 17825, Kabuki card + RJ News, returning IRC by air in 9 days. No time (Hagerman) 18 d. (Taylor)

JORDAN: Amman, 15170, card w/full QSL information in 2 months (Adkins)

KOREA (N.): Pyongyang, card of Korean painting w/QSL typed in on reverse. Also packet of p/cards w/very friendly note. No fgy given (Anderson) Excellent, rare as QSL (GAC)

KOREA (S.): Seoul, 9640, card w/pic of waterfall in 2 months for 2 IRCs (Adkins)

KUWAIT: R. Kuwait, regular attractive color stamp/map folder QSL/sked. No data except thank-you for rpt and its date. 49 days for 15345 (Calkin) 1 month air. IRC (Williamson) 1½ months air (Anderson) separate cards for 15185 (3 wks) and 21590 (4 wks) (Padula) 15185, IRC sent. Sked effective to day before Ramadan. When? (Shepherd) Mid-November to Mid-December give or take a day, this year (GAC)

LEBANON: Beirut, 15285, QSL, sked, paper flag in 4½ wks by registered airmail. 3 IRCs (Weber) 23 days air w/pic of studios QSL (Taylor) 15170, 1 month; no IRCs (Padula)

LIBERIA: ELWA, graphic native drummer card in 45 days for 11950. 3 IRCs (Lemna) 11975, 2 months. Full date, time and frequency on QSL (Martin)

VOA, Monrovia, usual card w/no data in 9 days for 15445. 2nd try (Adkins)

LITHUANIA: Vilnius, 15255, card in 69 days w/full data. No IRCs (Scoville) 9 weeks for 15220 (Henry) 11790, 1 month and 3 weeks (Byers) over Moscow, 11775 in 4½ months (Jankowski)

LUXEMBOURG: Radio-Télé-Luxembourg, Luxembourg-Ville, 6090, sent card in 29 days using 9F. mint stamps sent w/rpt. Card has full data and is regular tri-tower/shield card. (Calkin) 2 months. No IRCs (Henry)

MALAWI: MBC, form letter w/full data and sked in 27 days air for 3380. Mint stamps sent, but not used. Also sent Oct. copy "Malawi Calling" (Hall) letter and Malawi News in 1 month. 1-IRC (Field) card reportedly under design for issuance in New Year (GAC)

MARTINIQUE: ORTF, 3315, letter in 1 month w/full data. Rpted by NASWA French rpt form. 2 IRCs (Lemna) personal letter from Le Chef des Services for 3315 in 12 days (Anderson)

MEXICO: Radio Mexico, 11718, double LP record of President's speeches, book and booklet plus verie letter from Dr. Jorge Alberto Lopez Reyes, Gerente General in 3½ wks registered (Dexter) registered package of 2 records and booklets in Spanish, but no QSL (Hurst) 2 LPs w/speeches, books and letter, but no QSL in 3 weeks, 3 days. Rpted w/letter in English; rpt in Spanish, 4 IRCs and p/card (Soneff) Spanish personal letter w/full data, pamphlets and 2 record set. Rpts to Apt 20100, Mexico 20, DF (Hagerman) 2 record set and text, 2½ wks, but no QSL. 3 days later, another record set, this time (pto)

map card in 46 days after 2nd rpt (Scoville) 23 days (Volle) 4 mos; 1-IRC (Estand)

RUSSIAN S.F.S.R.: Moscow sent cloth pennant w/sked as previously promised (Estand)

R. Peace/Progress, yellow/red/white card, w/p/cards, booklets, 3 newspapers and more in 1½ months by air. (Haines) 9 weeks, no IRCs (Henry)

RWANDA: DW, 17800, card in 4 wks; 9690 in 3 wks; (Padula) 3½ wks for 17800 (Shepherd)

RYUKYU IS: VOA/Okinawa, card from Washington, D.C., in 7 days surface mail (Henry)

VUNC, 14460, card in 2 mos (Behr) 7½ wks, 9913, shows xmtr tower, plus U.N. symbol. No IRC (Shepherd) 4 wks air; rpted to San Fran; reply de Okinawa (Padula)

SABAH: Card showing Malaysia and Mt. Kirabalu, 8 days for 3 IRCs. No time (Fisher)

SAO TOME: Nice card w/gold lettering over large pic of sailing ship; 5 mos (Bull)

SARAWAK: R. Malaysia Sarawak, 7160, card of building/studio, in 4 mos w/date only (Adkins)

SAUDI ARABIA: Werner Storg in Riyadh sent plain white card for Jeddah, 15150 (Fisher)

2 months for 3 IRCs (Lemna) 39 days air; 4 IRCs and used U.S. Commems sent (Michalenka)

SOLOMON IS: SIBS, 3995, card seamail in 8½ months for written rpt and 4 minute tape.

V/S: Barry Whitehall who also sent station mag: "Preview". Full data for 5 IRCs (Poulis)

2 months w/card and copy of "Preview". IRCs (Williamson)

SOUTH AFRICA: R.RSA, 3997, usual card in 2 months for 1-IRC (Lemna) 13 days (Henry) 20

days air (Taylor) 17795/15175/15360/11900/9715/5980 in 2-3 wks av. (Anderson) 9525,

9715 in 7½ and 9 wks. No IRC sent w/rpt (Shepherd) 11900 in 50 days (Wastradowski)

SPAIN: RNE, 9760, letter w/full data although gives wrong month, + Spanish sked and

returned 1 of 2 IRCs. V/S: Enrique Pascual, Jefe de Relaciones Publicas y Exteriores.

Reply in 28 days (Calkin) 2 cards for 9760/15420 (Scoville) antenna tower card and

beautiful pennant for 6130, air in 1 month (Hedstrom) ditto in 17 days air (Banta)

Radio Liberty, 11970, specific card showing mic over globe. 3 weeks (Padula)

SUDAN: Omdurman, letter and sked from A.A. Omarabi, Dir. in 2½ months air for 15789 kHz;

2 IRCs. QSL still listing 4494 (Hagerman) letter from Abdel Rahman Abdel, Head, FR

Transcription Dept. 3 IRCs; 52 days (Sizer) 1 month air; V/S: Head, FR Dept (Koukol)

SWITZ: Schwarzenburg, 9535, photo card of port of Basel on Rhine, air in 32 days + sked

u/separate cover (Calkin) cable car card, 2 months. (Estand) V/S: D. Ashton Johnson, 42

days sea (Hall) 75 days (Parkinson) 3 months (Haines) sked w/data typed in (Madeley)

ICRC, 7210, card in 9 days by airmail from Gérard Penard. 3 IRCs (Michalenka)

TAHITI: Papeete, mermaid card for taped rpt. Returned tape with Polynesian mx; 3 weeks

by air. 1-IRC sent (Williamson)

UKRAINE: "Kiev", 11700, paper QSL w/full data from A. Romaniuk in 5 wks (Banta)

U.A.R. Cairo, usual Arabic/French card for experimental test on 11955 in 3½ mos (Anderson)

U.S.A. Greenville, standard blue/white projection card in 6 days (Estand)

Bethany, 15160, 8 days blue card (Marshall)

Delano, 11875, in 7 days (Marshall) 5 days, no time or frequency (Estand)

Dixon, 9565, card in 1 week (Hurst)

WINB, Red Lion, Penna. B/W card in 1 month, 1 week, 1 day (Zolvinski)

VENEZUELA: R. Barquisimeto, card in Spanish in 15 days; rpted in Span. (Brown) 1 month, after NASWA Spanish report form used, w/IRC (Byers)

R. Juventud, dancing teenagers, in 20 days by air (Haines) 3 wks air (Hurst) date, freq and statement in 19 days; rpted in Spanish (Soneff) 1 month, 2 IRCs (Lemna)

R. Libertador, letter in Spanish from Luis Raymondi, Pres. (Hall, Zamora)

R. Miranda, Los Teques, 6000, card in 3 wks after 3rd f/up (Field)

R. Monagas, YVRA, 3325, air in 15 days; mint stamps sent (Sparks, Hall)

R. Nacional, blue/white card for 6170 in 1 month airmail (Haines) (Glasberg)

R. Rumbos, nice color card from A. Serrano; 14 days to 4 mos (8 reporters)

WINDWARD IS: WIBS, maroon card in up to 3½ months. F/ups often needed; frequencies or listeners address often given wrong. IRCs or Mint stamps useful. (6 reporters)

for p/card rpt (Anderson) 2 records, book and pamphlets in Spanish one week after same 2 records, book and pamphlets received. Actual QSL-letter in 1 month regis. (Volle)

LEFT, La Voz de Veracruz, 9545, personal letter in 11 days air from Juan de Dios Rodriguez Diaz, Gerente General. SASE sent. 3 p/cards of Veracruz rcvd (Field)

MONACO: TWR, 7290, card in 3 wks air for 1-IRC. States IRCs necessary for air reply (Henry) card w/bldg shown, 16 days by air (Reynolds) 7290, 9 months (Jankowski)

MONGOLIA: Ulan Bator, red/white/blue/yellow card with no QSL data, along with thank-you letter in 116 days airmail (Alleman)

MOROCCO: VOA/Tangier, in 13 days from Washington (Brown) 9615, 7 days, no IRCs (Estand) 11710 kHz, 9 days (Jankowski)

MOZAMBIQUE: Radio Clube Moçambique, card showing studios by air in 13 days. 1-IRC sent (Koukol) for 4925 kHz in 1 month (Adkins)

NETHERLANDS: Radio Nederland, special Bonaire commemorative card in 9 days air for recently introduced 21495 kHz frequency (Padula)

NEW BRITAIN: R. Rabaul, regular folder QSL from John J. Waters, Assistant Station Manager, by air in 3½ weeks. No QSL data given however (Calkin)

NEW CALEDONIA: Nouméa, form letter w/full text, thanks and station description in 174 days by air. 2 IRCs (Alleman)

NEW HEBRIDES: Radio Vila, card, letter, tourist folder, airmail in 15 days. V/S: A.R. Worner, Information Officer; for 3905 kHz (Dexter)

NEW ZEALAND: RNZ, 6080, regular card in 77 days seamail. V/S: J.L. Hartstonge, Dist. Manager. 2 IRCs (Hall) card, map and folder (Sterling) 9540, 78 days for 2 IRCs (Scoville) 4 months seamail with travel folder (Weber)

NIGERIA: VON, Lagos, 7275, card folded(!) in sked, and letter saying IRCs not needed and returning my 2. By air in 1 month (Calkin) 21455, 75 days (Martin) 15365, flag card in 65 days. No IRCs (Volle) 11770 on 3rd try (Sterling) 4 months, 2 IRCs (Adkins) RTV Kaduna, w/letter from C.E. G.P.J. White; for 6090 kHz in 3 wks (Anderson)

NORWAY: Radio Norway, 25900, beautiful card of Holmenkollen Ski Jump, by air in 10 days. Full data given (Calkin) 3 wks; 2 cards (Jankowski) 17825, beautiful card of M/S Starward passing thru Fjord. 1-IRC sent; air reply in 3 wks (Banta) 11850, 1 month by air (Reynolds) beautiful lake scene for 17795 in 5 wks air. No IRCs (Padula)

PAKISTAN(E): Dacca, card and form letter by air from Rawalpindi in 2 months for 15521 kHz. Card has full data and specifies DACCA APD xmtr. Rpted by registered tape w/5 IRCs. Reply from A.H. Kaleem, Director, Listeners Research. Tape not returned as per my request to destroy (Calkin) 15420, clear QSL w/location and letter in 3 wks (Dexter)

PAKISTAN(W): R. Pakistan, 17945, card w/full data in 50 days air from Kaleem. 2 IRCs sent (Koukol)

PAPUA: VLP4, black/blue card for 4890 in 2 wks air (Hedstrom) 14 days air (Marshall) 9 days air; 1-IRC (Henry) 2 months for CLK3, w/sked. IRC sent (Williamson) card for taped report; tape returned air w/sked, card and note saying tape interesting. 2 weeks for 3 IRCs (Sterling)

PARAGUAY: R. Encarnacion, letter by registered airmail from Antonio Efren Cabrera, w/verie stmnt, but no date or time. Rpted in Spanish w/NASWA form, tape, mint stamps, local pennant and several p/cards of Sacramento (Billingsley)

PHILIPPINES: PBS, Manila, card by air in 16 days for 6170. Plain white and w/symbol of PBS on front. VS: José Borrromeo, Net Coordinator. 2 IRCs (R. Murphy) 2 months; IRC (Williamson) 3 wks air (Caldwell) 26 days air (Reynolds) 3286, air in 1 month after f/up specific but no time. IRC w/original report (Padula)

FEBC, 11920, usual lightning flash card in 32 days air. 3 IRCs (Sizer) 1 month; 2 IRCs (Volle) 7230 air, 1-IRC; full data (Shepherd) pink card w/sked, religious tract, and friendly personal letter de Mrs. Eva Fitzpatrick, QSL Sec'y; 29 d. (Calkin)

POLAND: Warsaw, 11870, tan/blue/yellow "map" card w/mermaid in blue in 2½ mos (Estand)

PORTUGAL: Lisbon, card of explorations in 3 months, 2 wks, 3 days (Zolvinski) 6025,

CR4AA, RADIO CLUBE DE CABO VERDEQ  
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**RÁDIO CLUBE DE CABO VERDE**  
-PRAIA-

**CR4AA**

EMISSOR DE ONDAS CURTAS

POTENCIA: 5 kilowatts

FREQUENCIA: 3960 Kc/s

EMITE DIARIAMENTE  
DAS 20.00 AS 22.00 GMT

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Radio Clube de Cabo Verde is one of the rarer African Stations. Operating solely in the 80 meter ham band as a broadcasting service in Portuguese, the station has been recently logged in North America on a frequency of 3883 kHz, until 2302 GMT s/off. The Cape Verde Islands are located in the North Atlantic, just west of S negal.

Sincere thanks to the following members who contributed to this month's section:

Terry Adkins, California	Robert Hagerman, Michigan	John Parkinson, Alberta
Tom Alleman, New York	Bruce Haines, Colorado	Alan Roth, Hawaii/Connecticut
David Alpert, Illinois	Dr. F. Earle Hall, Mass.	Arthur Poulis, Mass.
Richard Anderson, Illinois	John Hedstrom, Illinois	Lawrence Scoville, New York
John Banta, New York	R. S. Heggs, B. C.	Alvin Sizer, Connecticut
Ernest S. Behr, Manitoba	Thomas Henry, New York	Robert Shepherd, Australia
Don W. Billingsley, Calif.	James S. Hurst, Maryland	John T. Sineff, Louisiana
Kevin Brown, Michigan	Jim Jankowski, New York	Bill S. Sparks, California
Edward H. Bull, Colorado	Craig Koukol, Illinois	W. W. Sterling, Penna.
Robert Byers, Ontario	Kris Lemna, Indiana	Peter Taylor, Ontario
Dr. Wm. Caldwell, Calif.	Martyn Madeley, Illinois	David Volle, Illinois
Gregg A. Calkin, Ontario	Mrs. M. Marshall, N. Dak.	Curt Wastradowski, Wash.
Gerry Dexter, Wisconsin	Bill Martin, Delaware	Jim Weber, California
Bob Estand, Texas	Richard Murphy, Texas	Dr. T. B. Williamson, Ont.
Marlin A. Field, Michigan	Henry Michalenska, R. I.	Larry Zamora, Texas
George H. Fisher, Colorado	Andrew Pappas, Illinois	Steve Zolvinski, Indiana
	Al Reynolds, N. C.	

And so, until the New Year, its best 73s, and sincere wishes for a MERRY CHRISTMAS and JOYOUS NEW YEAR to you all. GREGG.



## LOG REPORT

DAN FERGUSON - EDITOR  
P.O. BOX 8443  
CORAL GABLES, FLA. 33124

Deadline 15th of month  
Phone 305-284-5714

\* \* \* \* \*

In order to save some time in compiling this section I must ask that a few guidelines be followed when your reports are written. First, I will not be able to use reports that are not arranged by frequency, in either direction. Nor will I be able to use reports that are written on both sides of the paper. In each item, please list the frequency, then the country, station, time (in GMT), program details, etc. Then, at the right of the paper, please leave some margin, so I can write in your name. I also ask that typed reports be double spaced between items. Thus, the format of your report should be essentially that used in this section. Again, please arrange items by frequency. One or two items out of order is OK, but I cannot use a report which consists of a full page of items listed in random order.....Thanks.

## ALL TIMES GMT

- 2474 CHINA Hangchow list FBIS/WRTH, Chinese mx; Chinese harangue by YL 1300(Hirst)  
2960 USA KGCK, Sydney, MT, 2x1480 1208 market mx, wx, TCs, ad, ID, Mutual mx(GH-D)  
3204 NIGERIA W.Nig. Reg. Svc, Ibadan, fair in Eng Sat to 2300 s/off(Sizer)  
3215 MOZAMBIQUE RCM, fair w/mx pgm 0310; "B" pgm(Potter)  
3225 VENEZUELA R.Occidente, Sp 2340(Ingler)  
3239 PEIU(tentative) 0345 LA pgmg, ads, 0400 tentative ID as "R.America"(Hirst)  
3245 VENEZ R.Libertador, ID & gong 0300(Sgrulletta)LA mx, M&W ancrs to 0400\* /  
3235 VENEZ LV del Tigre, fair w/ID 0155\*(Williamson) Fgy?(DF) (Tuchscherer)  
3255 VENEZ LV del Tigre, anthem 0200\*(Sgrulletta)Recent checks put them on this fgy(DF)  
3265 GUYANA R.Demerara, Hindi mx 0945, /15980(DF) 0240-0306\* w/tlk, ID(Tuchscherer)  
3280 GRENADA WBS; pop mx, TC, ID from 0144(Patterson)"Quiet Time 0147(Sgrulletta)  
Eng 0030- s/off 0200 or a little later(Byers) S/off Eng 0211(McCoy)  
3300 BR.HONDURAS R.Belize, 0145-0500\* w/pop mx, ads, sports, requests, IDs, etc.  
(Koukol, Patterson, Heggs, Andrews, McCoy, Volle, Swanson, Tuchscherer)  
3305 PAPUA R.Daru, West District, CW mx 1120; rest of band dead(Sizer)  
3315 BRAZIL R.Gazeta de Alagoas, sports 0055 in Port, under ORTF(DF)  
3315 MARTINIQUE ORTF, \*1000, Fr mx, Fr & Eng pop mx(Lemna)0215 lite mx under AF net  
(Tuchscherer) 0155-236 Fr, song, talk; AF QRM(Patterson)  
3316 SIERRA LEONE RSL, fair 2255 w/Afr mx to 2300\* w/anthem(Koukol)  
3325 VENEZ R.Monagas, 0115 LA mx, ads, IDs(Tuchscherer)LA mx, TC, ID, 0313-0333  
(Patterson) 0329 Sp. ID, mx(McCoy)  
3328 VENEZ R. Monagas, ID 0203; drifting here 25 October)  
3341-3343 DOM REP LV de la Romana, 0035 LA mx, QSB(Sizer) 0945 Sp; sked seems to be  
irregular; fgy varies slightly. Now listed for 3345, according to César Objío/  
3346 ZAMBIA Lusaka, lang w/lite mx 0410-0423(Lemna) (DF)  
3349 PHILIPPINES? FEBEC(?), sermon in accented or Pidgin Eng 1310; Filipino mentioned  
QRM Indonesia(?) on 3350; nominally 3345(GH-D)  
3360 GUATEMALA LV de Nahuala, 0050-0105 t/o; mostly marimba mx(Tuchscherer)  
3360 DOM REP R.Exitos, 0030 w/ID 6 tropical rhythm(Williamson)  
3365 DOM REP R.Exitos, cl mx & Sp ID 0345-0400(Swanson)0300(Andrews) ID 0425(McCoy)  
3368 DOM REP R.Exitos, pop mx 0210, 25 Oct(GHD)  
3366 GHANA Accra, Eng HS, good lvl 2145(Sizer)  
3375 INDIA AIR, Gauhati, lang 1640, fair(Jamison)  
3382.5 GUATEMALA R.Chortis, 25/X, lite mx, drift(GH-D)3380; mx 0230(McCoy)0300(Lemna)

- 3385 FR.GUIANA Cayenne, 0045 operatic mx & Fr talk; fair(Tuchscherer)  
 3385 NEW BRITAIN R.Rabaul, 1130 mx in Pidgin Eng(Calkin)  
 3385 VENEZ R.Barcelona, 0415 LA mx, IDs(Tuchscherer)  
 3390 ECUADOR R.Zaracay, 0155 LA mx, ID 0205(Tuchscherer)  
 3392 ECUADOR R.Zaracay, 0105, thot they mentioned Dr.Tom Williamson; drift 25/X(GH-D)  
 3394 VENEZ R.Universidad, 0430-0440\*; QRM(Lemna) 0315 ID & fqy anmt; QRN (McCoy)  
 3396 NIGERIA N.Reg.Svc, Kaduna, Afro chanting, weak at 2130; Eng mx 2200(Sizer)  
 3570 ECUADOR LV del Rio Carrizal, Ec mx & Sp by a man from 0050 tune(DF)  
 3383 CAPE VERDE IS CR4AA, R.Clube Cabo Verde, M&W in Port; 2304\* w/anthem(Sizer)  
 3910 JAPAN FEN, Tokyo, Eng 1853, good(Jamison)  
 3925 INDIA AIR, Delhi, lang 1645, good(Jamison)  
 3974 INDONESIA RRI, Surabaya(?), 19/X, 1400, believe Surabaya mentioned AROs(GH-D)  
 3986 NIGERIA Lagos, mx, ID 2300(Field)2305 ad, ID & 2307 s/off, anthem(GH-D)  
 3990 LIBERIA VOA, 2310 jazz(GH-D)  
 3995 SOLOMON IS SIBS, Eng local nx 0930(Wood)  
 4650 ECUADOR Rdif del Ecuador, 0700 s/off, good sig(Kling)  
 4679 ECUADOR R.Nec. Espejo, 0335 IDs & sports(Williamson)mx, ads; IDs 0407(Tuchscherer)  
 4723 BURMA BBS, 1320 native pop songs by YL, //5040 this time(Hirst)  
 4725A COLOMBIA LV de Comercio, Armenia, mx, ads, ID & s/off 0305, 14 Oct(Field)  
 4740 MALDIVE IS MIBS, good sig w/Eng pgm, s/off 1730(Jamison)  
 4755 BRAZIL Rdif Maranhao, ZYF23, fair 0050 w/lite mx & ID(Williamson)  
 4755 COLOMBIA Reina de Colombia active again, ID 0600; complete list Caracol net 0530; S-6 & clear(Hirst) There is considerable confusion regarding this outlet, though perhaps I am the only one confused. As far as I can determine, this is the CARACOL common fqy outlet described in WRTH as R.Reloj & listed on 4795 kHz. Some have reported QSLs for Em.Nuevo Mundo on this fqy, but did not ENM QSL the 4795 outlet for a relay, when 4795 was announcing as R.Reloj? That's the way I read the item in the November 1968 QSL report. Question is, what is the local ID of the CARACOL common fqy outlet? Do they still ID as R.Reloj? Or is ENM the local ID? Does the outlet just relay ENM?...The Reina de Colombia ID would seem to be from a relay of that outlet on 1530 kHz. Anyone know for sure? Incidentally, the WRTH gives the same address for CARACOL, R.Reloj and Emisora Nuevo Mundo.(DF)  
 4760 INDIA AIR, Delhi, Eng & IS 1715(Jamison)  
 4760 PERU R. Tingo Maria, Andean mx, ID & 0509 s/off(Sparks)  
 4777 GABON Libreville, good most nite around 2300(Williamson)  
 4780 HONDURAS R. Juticalpa, many ads 1045(Sizer)  
 4790 MALAYSIA(Malaya) Kuala Lumpur, pop mx 1738(Jamison)  
 4793 ANGOLA R.Comercial, Sa da Bandiera, 2120 w/ID(infrequently), heavy QRM(Williamson)  
 4800 VENEZ R.Lara, 0220 LAmx, IDs(Tuchscherer) ID 0300(Lemna)  
 4807 ECUADOR R.Popular Independiente, 0438 mx, TCs, ads, IDs(Dexter)  
 4800 INDIA AIR, Hyderabad, Eng ID & s/off 1730; also in lang 0050(Jamison)  
 4810 VENEZ R.Popular, singing ID, then mx pgm 0044(Banta)  
 4814 UPPER VOLTA RHV, briefly 0603(Lemna)2154-2206 t/o w/native mx(Tuchscherer)  
 4820 ANGOLA R.Angola, poor 0545 w/Afr mx(Fisher)  
 4820 HONDURAS HRVC, Eng rel pgm 0300-0400\*(McCoy, Fisher, Swanson)  
 4820 INDIA AIR, Calcutta, lang 1710(Jamison)  
 4822 ECUADOR Canal Manibita, relay VOA Sp nx 0415; pop mx, ID(Sparks)  
 4823 N.VIETNAM Tieng Noi Vietnam, Viet mx 1420, talk(GH-D) woman talking(Field)Time?  
 4828 RHODESIA Lusaka, Afr mx 0410(Sparks)  
 4834 MALI Bamako, highlife mx: 0610, //4783(Sparks) 0625(Fisher)  
 4840 VENEZ R.Valera, nice ID 0247(Hirst)  
 4845 MALAYSIA(Malaya) Kajang, 1420 Indian pgm(GH-D) 1300 oriental mx(Fisher)  
 4845 BOTSWANA Gaberones, Afr mx & YL anncr 0414(Sparks)  
 4850 MAURITANIA Nouakchott, 2133-2230\*, Arab chants & mx; talk 2200, not Fr; Fr mx 2210-2220; mx to 2230\*(Tuchscherer) Poor 0710(Fisher)  
 4850 INDONESIA RRI, Palembang, lang 1650 w/pop mx(Jamison)

- 4863 BRUNEI(tent) Koran type chant, talk 1342-1400; if Brunei & not Kashmir, is down a bit(Hirst) Good lvl daily 1330, no Eng(Fisher)
- 4865 AZORES Ponta Delgada, past s/off time in Port 2330(Fisher)Not Brazil?
- 4865 BRAZIL R.Clube do Para, Belem, sports to 0300 s/off w/chimes & gong(Field)
- 4870 DAHOMEY Cotonou, pop mx: 2230-2300\* Sat(Lemna) 0515 fair lvl w/Fr songs(Hirst)
- 4870 CEYLON R.Ceylon, Eng & mx: 1702; excellent(Jamison)Com'l Svc 1254(Fisher)
- 4870 VENEZ R.Tropical, 0250-0304 Sp, LA mx, ID(Patterson)
- 4880 VENEZ R,Universo, 1045-1116 w/LA mx, ID(Patterson)0105-0120 Sp; QRM DR(Soneff) 0200 LA format, good(Martin)
- 4881 DOM REP R.Comercial, 2230 Sp ID(Potter) mx to 0430 s/off(R.Anderson)
- 4885 KENYA Nairobi, Epilogue, Eng, 2100, Eng ID, s/off 2105(Padula)
- 4890 PAPUA Port Moresby, Eng mx: 0900(Marshall)Eng 0940(Sterling)Eng 1030(Lemna)Eng 1105, mx:(Randall) 1250(Fisher)
- 4890 VENEZ R.Dif.Ven., 0245 Sp(Brown)0315 ID(McCoy)Sp 0340-0400\*(Martin, Volle)
- 4890 SENEGAL Dakar, Fr tlk & mx: 0710(Martin)Fr 0715, not //4950(Fisher)ID 0800, native mx; weak & plenty of QRM(Sgrulletta)0612 strong w/Koran(Hirst)
- 4900 GUINEA Conakry, well hrd at 0600 s/on(Lemna) Good 0630 //7125(Fisher)
- 4900 VENEZ R.Juventud, Sp 0250, mx:(Martin) 0350 LA mx, exc sig(Fisher)
- 4904.5 CHAD Fort Lamy, fair 2240 on Sat w/Fr; Afr mx:(Koukol)
- 4905 BRAZIL R.Relogio, mx & talk 2252 tune(Dexter) 2325-2350 mx & talk(Tuchscherer)
- 4910 ECUADOR Emis. Gran Colombia, 0430 mx, frequent IDs; good lvl(McCoy)
- 4915 GHANA Accra, 2130 transcription pgm in Eng from Kol Israel(Michalenka) 2237-2300 s/off w/cl mx, Eng mx, devotional & off(GH-D, Fisher, Tuchscherer) Eng mx: 0605 by YL, ID; a regular now(Hirst)
- 4915 BRAZIL R.Cultura de Araraquara, fair 0200 w/frequent IDs & futebol(Williamson)
- 4916 COLOMBIA R.Guatapuri, mx, ID 0445(Sparks)ID 0445; you have address?(McCoy) No, can someone supply it(DF)1045 Sp, mostly talking, ID, to 1116(Patterson)
- 4918.5 VENEZ R.Caracas, drift here 0420 w/mx & ID(DF)0420-0430 Sp on 4920(Soneff)
- 4920 INDIA AIR, Madras, lang 1650, good(Jamison)
- 4920 AUSTRALIA Brisbane, sports 0712(Tuchscherer)Cl mx: 1255(Fisher)1100(Brown)
- 4923 ECUADOR R.Quito, good 0413 in Sp w/ID & ads(Koukol)
- 4930 DOM REP R.Mil, IDs 0100(Brown)LA mx: 0150(Martin) 0200 Sp & US pops(McCoy)
- 4930 ECUADOR Casa de la Cultura, 0135 good w/het(R.Anderson)
- 4933 NIGERIA Benin, 0503 Eng mx; good lvl, regular(Hirst)4932, 0434 TC in Eng, Eng mx(Sparks)0510 Afr mx, ID, political tlk 0535(Tuchscherer)0540(Fisher) Mx: pgm 2245; Eng mx: 2300(Field)
- 4932 INDONESIA RRI Tandjung Pinang, (?), 1425 talk, RRI ID 1430; list 4930vFBIS(GH-D)
- 4939 ECUADOR R.Nacional, good 0415 w/Sp ID & fqys(Koukol)
- 4940 HAITI Rdiff Haitienne, Fr 1100 s/on; classical mx, ID; QRM(Patterson)Tentative, mx: pgm, Fr talk, best 2330; as late as 0030(Field)
- 4940 IVORY COAST Abidjan, 2151, organ mx: to Fr mx: 2214; TC & drums(Michalenka) 2355 Fr, exc lvl, //11920(Fisher)
- 4940 UKRAINIAN SSR Presumed to be Kiev, in Russian from 0503 tune; weak(Dexter)
- 4940 VENEZ R.Yaracay, LA mx: 0100-0120(McCoy)
- 4945 COLOMBIA R.Colosal, fair 1030(Brown)
- 4950 SENEGAL Dakar, 0720 French, //7210(Fisher)
- 4950 MALAYSIA(Sarawak) R.M. Sarawak, lang 1245, fair(Fisher)
- 4955 COLOMBIA R.Nacional, Bogota, 0300 mx & classical mx(McCoy)
- 4965 COLOMBIA R.Santa Fe, 0430 Sp mx & IDs; fair(Martin)
- 4970 MALAYSIA(Sabah) RM Sabah, weak 1330 w/tlk by man & woman(Fisher)
- 4970 VENEZ R.Rumboa, 0130 Spanish pgm(McCoy)
- 4972 CAMEROON Yaounde, strong 2200 w/Afr mx & ID(Williamson)
- 4975 PERU R.del Pacifico, 0416 Sp mx, ID & 0430 s/off(Sparks)
- 4980 GHANA Accra, Eng rel pgm 2145(Michalenka) S/off 2300(Andrews)
- 4980 VENEZ Ecos del Torbes, 0245 LA mx(McCoy)
- 4990 USSR Alma Ata, list WRTH, ID 1230 as "Govorit..."; mx: pgm(Field)
- 4994 SUDAN Omdurman, weak w/Arabic mx: 0430(Fisher)
- 4995 BRAZIL R.Brasiil Central, 0233 Port ID, poor(McCoy)

- 4990 VENEZ R.Barquisimeto, mx, Sp ID 2130; from the mx, I first thot I had an African (DF)Sp ID. 0145, mx; pgm(Michalenka)0230 US & LA pops(McCoy)0345 mx(Sgrulletta)
- 5010 DOM REP R.Cristal, LA mx, mx: 1000; good(Sgrulletta)
- 5010 CAMEROON R.Garoua, fair 2155 in Hausa to 2200 s/off(Koukol)
- 5013 RHODESIA RBC, weak 0400 w/Eng mx(Fisher)
- 5015 RSFSR(As) Vladvostok, cl mx 1255(Fisher)
- 5020 COLOMBIA Transmisora Caldas, strong 0328 ID(McCoy) LA format 0610(Martin)
- 5020 CEYLON Colombo, Ceylon BC Corp., Eng 1603(Jamison)
- 5030 MALAYSIA(Sarawak) RM Sarawak, oriental mx 1258(Fisher)
- 5030 VENEXUELA R. Continente, 0330 mx; good(McCoy)
- 5035 COLOMBIA LV de Caqueta, Florencia, 0340 mx; pgm w/ID & s/off 0400(Field)
- 5035 PERU R.Ilo, 0400 mx; pgm; ID hrd twice; faded by 0430(Field)
- 5040 BURMA BBS, 1203 Burmese mx, YL ancr; malt talk 1215; YL & mx: again 1231 (Tuchscherer) Oriental mx 1305(Fisher)
- 5040 VENEZ R.Maturin, after R.Valparaiso s/off 0400, this can be hrd signing off (Field) Pop mx & ID 0407 s/off(Sparks)
- 5041 PORT GUINEA Bissau, Port drama 2247, M&W(Sizer)Port tlks & mx 2330(Haines)
- 5045 BRAZIL R.Copacabana??. hrd several times around 2330; call is always "R.Copacabana - Emissora de Otimismo Cretiano".??? Are you sure this is a relay?? (Williamson) Maybe there are 2 stns this fgy: R.Copacabana & R.Quitandinha.?? I heard R.Imperial IDs last winter, but that apparently was a relay by R.Q. Anyone have further information on this?(DF)
- 5047 INDONESIA RRI, Jogjakarta, 1143-1201 t/o w/YL ancr; man read mx 1145 in Eng (Tuchscherer) S/off 1315(Fisher)
- 5055 BRAZIL R.Vitoria, fair around 2225 w/pop songs(Williamson)
- 5058 SINGAPORE R.Singapura, 1220 old pops; ID 1230 by YL in Eng; Eng mx by M.(Hirst) Eng mx 1400(Sparks)5057(Sparks) Poor 1415 in Eng(Fisher)Eng 1615(Jamison)
- 5059 VENEZ R.Cultura, back on this fgy, & up a bit; mx; sports 0200(Niblack, Sparks, Martin, Field)
- 5070 GUATEMALA R.Nac.Mazatenango, weak w/Strauss waltzes & ID for RNM; then some kind of religious svc 2320(Williamson)This is the first report I have seen of anyone actually hearing an ID as R.Nac.Maz. Apparently the "Rdif Popol Vuh" I hear around 0130 is name of program, not ID for stn. I still have not hrd the stn other than on a Friday. Has anyone else?(DF)
- 5095 COLOMBIA R.Sutatenza, 0342-0404 s/off w/NA pops, ID(Patterson)
- 5075 COLOMBIA R.Sutatenza, exc 0300 w/Sp mx(Volle) Out of order(DF)
- 5126 ANGOLA (tentative) Continue to carry this one as "R.Clube do Moxico". Noted w/ 1 gong as IS; mention of "R.Clube do Moxico", tho I can't say this was being used as ID. Now inaudible. Moved? Changed conditions?(Niblack)
- 5180 PERU R.Atlantida, tangos & ID 0440(Sparks)
- 5804 YEMEN Sanaa, weak lvl 0300 s/on Arabic(Potter)
- 5950M COLOMBIA More checks on this one add little. Around 0100, all I have hrd is "Transmite Horizonte, Emisora Colombia" in the way of an ID. Some say is Radio Horizonte, from 5970. I would not know. All I know is that the Colombians are making a lot of moves & changes.(Niblack)
- 5950 AMBANIA Titana, strong in lang, ID 0515. Unable find Horizonte lately(Hirst)
- 5954 COSTA RICA R.Casino, Eng 0455(R.Anderson)Eng ads & pops 0500(Haines) 0545-0600 s/off in Eng(Heggs)
- 5955 GUATEMALA TGNA, Sp 1230; also s/on Eng 0030, but wiped out by RBI(Potter)0145 Eng tourist pgm(McCoy)Eng rel pgm 0400-0430(Marshall)Rel pgm 0530; QRM R.Casino (Haines)
- 5955 E.GERMANY RBI, new fgy, Eng mx & cmtry 0100-0145(Potter, Scoville)
- 5960 ANGOLA A Voz de Angola, IDs in many langs at 0500 s/on(Haines)
- 5960 HONDURAS LV de Occidente, Ckoe ad 1255, ID & marimba mx(Potter) 2340-0000 s/off w/talk, LA & pop mx, many IDs(Tuchscherer)
- 5969+ PERU R.El Sol, 0355 mx, ID 0100 for 900 kc only; cf 23877(GH-D)
- 5970 CANADA CBC, No. Svc, here 0315 in Eng(DF)
- 5970 COLOMBIA "Emisora Colombiana" 0455, 2 Nov. Also, at 0958, 4 Nov.(DF)

- 5980 EL SALVADOR YSS, 0200-0500 s/off w/IDs in Eng, Fr, Sp, sports(Haines, McCoy, Volle, Marshall)S/off 0500, 27 Oct, so are back on this fqy(Heggs) When did they leave?(DF)
- 5980 GUYANA R.Demerara, Eng ads, mx, mx, ID<sup>s</sup> 0900-1015(Haines)Eng nx & mx from 1000 (Calkin)Indian mx, Eng anmts 0920(Wood)Hindi mx 0930(Fisher)Eng 0950(Sterling) ID 1015(Stuart)0945 mx & mx:(Randall)0935-1000 nx & mx:(Volle)
- 5980 GREENLAND 6 note celeste IS & s/on Greenlandic 1015; lite mx to 1030; mx; QRM from Guyana(Calkin)
- 5985 TANZANIA R.Tanzania, Afr mx, just audible(Haines) Time?(DF)
- 5990 SWEDEN R.Sweden, Sp 0020; Eng 0030, DX pgm 0045(Volle, McCoy, Banta) (DF)/
- 5995 MARTINIQUE ORTF, YL in Fr 2220; Fr songs //3315; 1st time this fqy this season
- 6000 BRAZIL R.Inconfidencia, 0000 in Port w/mx & comm.(Martin)Does that mean ads or cmtry?(DF) Mx & talks 0000-0100(Madelay)
- 6005 W.BERLIN RIAS, good 0300 classical mx(Potter)Switch to Munich tx a bit later(DF)
- 6005 CANADA CFCX, poor 0235 sports(Heggs)1550(Banta)
- 6005 AUSTRALIA RA, Darwin, Mandarin 1220(Scoville)
- 6005 BOLIVIA R.Progreso, fine sigs 1030(Shaw)
- 6010 ENGLAND BBC, new fqy, World Svc 0445(Wood)
- 6010 CANADA CJCK, Sydney, mx 0105(R.Anderson)1025 mx(Stuart)Eng 1030(Sterling)
- 6010 ITALY RAI, Eng to NA 0100 s/on(Niles) (Shaw)/
- 6020 MEXICO El Eco de Sotavento; weak under VOA; 1st time on W.Coast; list 250 watts
- 6025 PORTUGAL R.Port., Eng nx 0205(Ramsey)
- 6030 CANADA CFVP, Calgary, Eng mx & wx 1000(Haines)
- 6030 COLOMBIA R.Nac. de Col., par excellent lvl 0130-0200 w/semi-classical mx, all Sp(Niblack) ID by M&W 0155(Goss)
- 6035 MONACO R.Monte Carlo, light mx 0540(Calkin)
- 6040 W.GERMANY D.Welle, Eng 0130, //6075, 9735, NF(Eehr)
- 6040 W.GERMANY VOA, Munich 0525(Fisher) Lang?(DF)
- 6045 MEXICO R.Univ. San Luis Potosi, 0300 classical mx:(Caldwell)
- 6050 HONDURAS R.America, 1315 Sp; frequent references to Tegucigalpa(Potter)
- 6058 ZAMBIA Lusaka, back here, Afr mx 2050, s/off 2103, Eng ID(Padula)
- 6060 W.GERMANY VOA, Munich, Eng pgm, poor(Ramsey)Time?(DF)
- 6065 SWEDEN R.Sweden, Swedish, omni-directional for Europe 0630(Wood)
- 6070 CANADA CFRX, ID for CFRB 0100(McCoy)Eng 0300(Sterling)Mx 1035(Stuart)1554 w/ garden care pgm(Banta) Nx 0200(Ramsey)
- 6075 S.AFRICA SABC, Internal Svc, Afrikaans talk 2040(Padula)
- 6075 COLOMBIA R.Sutatenza, 0100ID, chimes, rel pgm(McCoy)0330-0430\* in Sp(Soneff)
- 6080 N.ZEALAND RNZ, 0600 BBC nx & pgm "Make Mine Wine"(Heggs)
- 6080 ENGLAND VOA, Woofferton, s/on Polisj 0445(McCoy)
- 6080 E.GERMANY RFI, end Fr, begin It 2130; WRTH list 5kw(Sizer)
- 6085 BRAZIL R.Jornal do Comercio, fair 0023 w/sports in Port(Koukol)
- 6090 ENGLAND Beware BBC Arabic Svc here 0435; "houana London" 0445(Hirst)
- 6090 NIGERIA Kaduna, 2130 drum IS, Eng nx, Afr mx(Tuchscherer)
- 6090 AUSTRALIA Sydney, Eng 0930(Marshall)ABC nx 1100, weak(Martin)
- 6095 IRAQ Baghdad, 1920-1950 t/o, mx & talk, ID & ID & into Eng 1930 w/nx; over-modulated; hard copy of nx(Tuchscherer)
- 6095 PERU R.Nacional ?? Str which sometimes relays R.Nac; other times has own pgms; seems to ID as R.Nac.Minosenta 0400(Sparks)From 0404, ID as R.Mil Sesenta or R.Minosenta. Off 0453(Dexter)
- 6095 BRAZIL Rdif de Sao Paulo, fair 2330 in Port(Brown)
- 6103M MEXICO XECM(T) hrd w/frequent ID in Sp, Mex. mx, around 0120... However, most of time is on listed 6090 & on one check 0125-0130, hrd w/3 IDs in short order. Running a good signal(Niblack)
- 6105 MEXICO XEQM, R.Yucatan, Merida, clear IDs & listening quality from this listed 250 watter at 0300(Shaw)LA mx 0015(McCoy)Sp ID 0100(Koukol)
- 6115 COLOMBIA Ondas del Meta, mx & ID 0330(Behr) ID 0225, from 4885. QRM de Peru. Some say this one moved into LV del Llano's fqy, but LV del Llano was on 6117 (Niblack)

- 6115 PERU R.Union, fair 2350 w/ID, old US pops(Koukol) (Stuart)
- 6120 ARGENTINA LRX1, R.El Mundo, ID 2305, ad, lotsa QRM(Niblack)Eng/Sp Id 0905;/
- 6125 BELGIUM RTB, Eng to NA 0050-0100, //11715; also sked 9660, but this not audible(Hirst, Fisher, Haines, Banta)
- 6129 VENEZ R.Valles del Tuy, LA:mx 0035; IDs 0058(Tuchscherer) Good 0100 w/local ads & IDs(Williamson)
- 6130 W.GERMANY D.Welle, Sp from 0230; new fqy & time(Behr)
- 6130 CANADA CHNX, Halifax, good lvl 2330 w/pops(DF)Nx 0100(Banta)Eng 0144(Sterling)
- 6130 LAOS Rdiff Nat. Lao, Vientienne, Fr speech, weak 1100; YL in oriental singing at 1130, peaking around 1145, gone by 1205, 9 Nov(Shaw)
- 6135 S.KOREA KBS, Seoul, NF, sports 1100, Korean(Padula)
- 6140 SPAIN RNE, 0300 s/on Eng(McCoy)
- 6140 BURUNDI LV de la Revolution, 0415-0432 Afr mx(Lemna)Drums 0445(Haines) Fair in French 0405(Fisher)
- 6141 BIAFRA V.of Biafra, Eng mx, ID for exterior svc, good copy, 0600(Hirst)
- 6150 COSTA RICA R.Atenea, mx & Sp ads from 0500(Behr)Old pops 0500(Williamson)
- 6155 JAPAN FEN, 0800 good w/Eng mx & nx(Heggs)
- 6155 AUSTRIA OR, Ger/Eng anmts 2302, Ger feature(GH-E)classical mx 0230(McCoy) Good signal 0353 with Eng ID(Heggs)
- 6160 CANADA CKZN, St.John's, Newfoundland, mx & vx 0845(Randall)Pop mx 0953, fishery mx; QSE(Sizer)
- 6160 S.VIETNAM VTVN, Saigon, back on this fqy after using 6160 for a time; Viet talks 1100(Padula)
- 6160 COLOMBIA Emisora Nueva Granada, 0130 comedy pgm(McCoy)
- 6168 VENEZ "R.Nac. Venezuela presenta..." 0345, buried(Hirst)
- 6170 PHILIPPINES PBS, full ID, US type pgm 1118(Calkin)ID & into lang 0930(Hirst) Eng 1230(Haines)Eng mx, vx, ID 1102-1116; QRM YV(Patterson)
- 6170 MOROCCO Sebaa-Aioun, good 2340 w/Arab mx(Koukol)
- 6180 GUATEMALA LV de Guatemala, 0105 ID, mx, noticias, good(Goss)
- 6195 TUNISIA Tunis, fair under BBC at 2300 w/tones, Arabic by YL(Koukol)
- 6195 COLOMBIA LV de Cali, LA mx, strong 1025(Sizer)Sometimes audible around 0200, though usually smothered; I thought this outlet was inactive(Niblack)
- 6210 CHINA Peking, Eng talks 0320; Albania s/on 0330, Peking hrd till 0340(Randall)
- 6234 HUNGARY Budapest, here w/Eng, fair 2130 daily(Sizer)
- 7065 ALBANIA Tirana, French 0515(Inglér)
- 7101 HUNGARY Budapest, Eng 2145, off 2155(DF)
- 7115 CONGO(DR) RTC, Fr talks & Afr pops 0500, //4880(Haines)
- 7118.5 INDONESIA(Bali) RRI, Denpasar, 1415 melancholy Western mx--Dino?(GH-D)
- 7125 POLAND Warsaw, Eng 1940, also in lang 2235, //6010(DF)Eng to Eur 2030(Calkin)
- 7140 INDONESIA RRI, Ambon, oriental mx 0530, GOOD!...This from a stateside listener. If any real reason to think Ambon, that reason should have been stated. While 41 meter signals from Europe will get into ENA, sometimes in early afternoon, I find this reception difficult to believe, for anyplace in NA. It would be 1330 local time in Ambon! This was likely the BBC Arabic Svc, from London.(DF)
- 7160 MALAYSIA(Sarawak) R.M Sarawak, 1404 national & world nx, relayed from Kuala Lumpur; ID 1410(GH-D)
- 7165 LIBYA El Beida, fair 0405 w/Arabic mx(Koukol)
- 7170 NEW CALEDONIA Noumea, 0710-0800; Eng ID 0730(Lemna)S/off1100(Sizer)
- 7175 SICILY Caltanissetta, Italian mx in RAI's 2nd pgm, 0530; obliterated by VOA-Monrovia s/on 0600(Sizer)
- 7185 USSR Moscow Korean Svc now here 1100; Chinese 1130(Padula)
- 7200 ENGLAND VOA, Woofferton, 0506-0530, anmts in Slavic lang, EngID(Patterson)
- 7200 SUDAN Omdurman, anthem, time pips & ID in Arabic 0400 s/on; heavy 1kc het w/VOA(Calkin)
- 7205 AUSTRALIA RA, Eng 1000(Inglér)
- 7220 ALBANIA Tirana, 0430 good(Heggs)
- 7220 AUSTRALIA RA, Indonesian 1040(Sizer) 1015(Inglér)
- 7265 USSR Moscow Mongolian begin 1130, //9590(Padula)

- 7275 MONACO TWR, music box IS 1643, Czech 1645(Padula)  
 7275 NIGERIA V. of Nigeria, s/on 0600(Stuart)  
 7290 ITALY RAI, s/off 1655 after Italian to Central Europe(Padula) (Heggs)  
 7292 MONACO TWR, s/on 0625 w/Eng; ancd from 2 Nov all Eng pgms s/on 1 hour earlier/  
 7301 BIAFRA R.Biafra, Eng 0530, poor mod(Martin)7305, rough copy 0435, weak(Hirst).  
 7320 ALBANIA Tirana, up in fqy, Eng 0230, //6201(Behr)Eng to Afr 0430, //9490(Wood)  
 7345 CZECH Prague, Eng 0100, mx(Banta, Ingler)Lang 0200(Ramsey)Eng 0300-0355, mx, listeners club, folk music(Marshall)  
 7440 USSR Mayak, 1500 ID, mx; Moscow listed, but suspect SFE(GH-D)  
 9009 ISRAEL Kol Israel, native songs 2345, fair(Goss)  
 9360 SPAIN RNE, strong 0205 in Sp to LA(R.Anderson)  
 9475 EGYPT Cairo, 0158-0250 NA SVC, w/frequent & long breaks in tx(GH-E) 0210 Eng mx & Spanish mx(yes, Spanish mx)(Heggs)  
 9490 CHINA R.Peking, end Russian to USSR & s/off 1055(Randall)  
 9500 ALBANIA R.Tirana, exc sig 0630 in Eng(Kling)  
 9505 DOM REP HUSD, Eng anmts 2300 (Byers)  
 9505 JAPAN NHK, weak 1600, QRM DR(Andrews)Eng mx & cmtry 1200(Scoville)  
 9510 ALGERIA RTA, Fr mx pgm //6080 at 0600(Calkin)  
 9515 MALAYSIA(Malaya) Penang, Malay mx 1030(Haines)  
 9515 MEXICO XEWW, 0204 ID & 7 ads(McCoy)Sp talk & mx 1230(Scoville)  
 9515 TURKEY Ankara, Turkish mx 1935(DF)  
 9520 PAPUA VLT9, Port Moresby, 0625 Children's pgm & Pidgin Eng lesson(Heggs)  
 9525 CUBA RHC, Eng 0205(Ramsey)Eng 0120(Volle) Eng 0220(Niles)  
 9534 MEXICO R.Mexico, 0045-0100, //11718, all Mex mx(Matthews, on new SS-IBS)0100 w/ multi-lingual ID, asking for tps. Smashed at 0123 SBC s/on(Calkin) You've out-abbreviated me, Gregg. Is "tps" tapes, or should it read "rps", which would mean reports? Hi.(DF) 0210, ancing 11720, no sign of SBC(R.Anderson) Pop Mex. songs & ID 0500, //11718(Sparks)  
 9540 N.ZEALAND RNZ, Eng 0700, sked 0600-0845 to Pacific(Byers)ID 0810(Randall) Good at 0845 s/off English(Volle)  
 9540 CZECH Prague, Eng 0730, 5 Nov(Kling)  
 9545 MEXICO LV de Vera Cruz, consistent recently around 1700(Potter)  
 9545 USA WNYW, Eng to Caribbean McCoy)  
 9545 W.GERMANY DW, Eng w/mx 0540-0555(Hedstrom)  
 9550 NORWAY R.Norway, Norwegian 0300-0330(R.Anderson, Caldwell)  
 9553.5 EL SALVADOR YSS, new hi-pwr tx to combat Honduras, ID 0445. Has never been on 9555(Wood)Sp 0310(Andrews)Sp mx 0425(Calkin)S/on 1200, ID, anmts, march mx, other mx, Sp talk, Sp recordings, ID 1220 & I tuned out(G.Ferguson)  
 9560 JAPAN R.Japan, 2100 s/on GOS, long path(Potter)Short path possible this time(DF)  
 9570 AUSTRALIA RA, sports 0839(Stuart)  
 9570 NIGERIA RTV Kaduna, Eng mx, Afr mx 0430(Haines)Eng mx 0530(Lemma)  
 9570 ROMANIA Bucharest, Eng letter pgm 0210(Ramsey)  
 9576 EL SALVADOR YSV, LV del Comercio, good lvl 1750 w/Sp rel mx(Potter)  
 9580 ENGLAND BBC, London, quiz show 0124 in-Eng(Ramsey)  
 9585 MONACO TWR, s/on 1659, Eng ID, into Norwegian(Padula) Eng ID 1730 after a Norwegian pgm(Michalenka)  
 9585 INDONESIA V.of Indonesia, poor 1913-1923 f/o; mx 1915(Lemma)  
 9600 UZBEK SSR Tashkent, Eng 1200-1230 daily(Calkin)  
 9605 GREECE NBI, Greek cmtry 2212(Padula)  
 9610 NORWAY NRK, Norwegian talk 0200(Wood)  
 9613 N.KOREA Pyongyang, singing 1100; news(Lemma)  
 9615 USA WNYW, 2036 Caribbean mx(Ducharme)  
 9615 MOROCCO(Tangier) VOA, s/on Bulgarian 0345(R.Anderson)  
 9620 YUGOSLAVIA Belgrade, Eng mx 2200; Fr mx 2215(Byers, Banta, Heggs, GH-E)  
 9625 SWEDEN RS, s/on 1230 Eng to FE, under CBC; new fqy, ex 15105(Potter) Haines)  
 9625 ISRAEL Kol Israel, Hebrew 1900 to Eur(Koukol)Eng 2030-2100(Eyers, Sterling, /  
 9625 CANADA CBC, Eng to Afr 0730; Fr 0745(Kling)  
 9525 AUSTRALIA Darwin, end test 1400, 19 Oct(Calkin)

- 9645 VATICAN Vatican Radio, Polish 0615, Lithuanian 0630(Wood)
- 9650 ASCENSION BBC, s/on 0400 Eng to Afr(Volle) Eng nx, mx, weekly review 0400-0500(Marshall)
- 9650 MONACO TWR, s/on 0540, Russ rel pgm Sunday, mixed USSR(Padula)
- 9660 ANGOLA A Voz do Angola, s/on 0500 in about 8 languages(R.Anderson)
- 9662 SOMALI Mogadiscio, NF, ex 9587, Somali chants 1650, Eng 1730, //6097 thruout, both well hrd(Padula) 31 meters might be audible ENA good days, sked to 1900 according to WRTH(DF)
- 9665 SWITZ SBC, Eng to UK 1930-2030(Byers)
- 9669 HAITI 4VEH, weak w/rel pgm 24 Oct(Calkin) Time? Do you mean 9769?(DF)
- 9670 SAUDI ARABIA SAB, fair behind VOA at 0200(Andrews)
- 9680 ETHIOPIA ETLF, 0400 Eng, good lvl(Lemma)
- 9680 AUSTRALIA VLH9, talk, mx, nx, 0830-0900; fair(Randall)
- 9685 USSR Moscow Eng 0215(Ramsey)
- 9690 USA WNYW, now here; wx nx 2210, mixed Cologne(Padula)
- 9690 W.GERMANY D.Welle, new fgy, Port 2210(Padula)
- 9695 CAMBODIA RNK, Phnom Penh, weak 1335 w/Viet YL mx, QRM AFRTS(Koukol)
- 9695 BRAZIL R.Rio Mar, Manaus, 2 evenings around 0020 w/sports(Field)
- 9695 USSR Moscow Eng 0305, also 0450(Kling)
- 9700 BULGARIA Sofia, s/on to NA 2130(Ducharme) 0216(Ramsey)
- 9705 S.AFRICA R.RSA, end Eng 0220(Ramsey)
- 9705 W.PAKISTAN Karachi, mx 2300 before RSA(Haines)
- 9710 ECUADOR HCJB, Sp rel pgm 0910, new fgy this time(Padula)
- 9715 S.AFRICA R.RSA, 0030-0120 Eng(Soneff) s/on Eng 0230(Ramsey)
- 9715 USA KGEI, Sp from 0202; on 15240 to 0200(Behr)Sp 0230(Heggs)Eng 0430(Andrews)
- 9715 NETHERLANDS R.NED., s/on to NA 2130; His & Hers pgm(Ducharme)
- 9735 W.GERMANY D.Welle, Eng to NA 0130(Volle)Eng 0450, fair(Kling)0220(Ramsey)
- 9735 RWANDA D.Welle, German 1800-2010, //11765, 15265(Behr)
- 9740 EGYPT Cairo, Eng to Eur, mx, dance mx, 2145-2300, excellent(Marshall)
- 9745 ECUADOR HCJB, Eng 0400, excellent(Kling)
- 9760 SPAIN RNE, s/on Eng to NA 0200(Heggs, Ramsey)
- 9770 HAITI 4VEH, s/on Eng 1100(Fisher)Eng nx 1200(Sizer)Eng rel pgm 1215(Volle) fair 1230 w/Eng rel pgm(Byers)
- 9770 AUSTRIA Vienna, 0000-0338 German(Soneff)
- 9778 ALBANIA Tirana, 0230 fair(Heggs)
- 9833 HUNGARY Budapest, Eng to Eur 1930-2000(Byers)
- 9912 INDIA AIR, Eng to UK, Eur, w/Indian mx(Fisher, Jamison)Good 2030 Eng(Byers)
- 9976 CLANDESTINE Yemeni Royalist Radio, weak 0412, much utility QRM(Dexter)
- 10000 USA WWV, 1200 annc possible change in format; write WWV-69, Nat. Bureau of Standards, Boulder, Colorado, for a copy of their questionnaire(Ducharme)
- 11330 CHINA R.Peking, fair 2350 w/Chinese(?) talk by YL(Koukol)
- 11505 CLANDESTINE R.Port. Livre, anthem & s/off 1955; fair lvl(DF) (Wood)
- 11600 CHINA Peking, Eng to ANZ 0830, repeat 0930, //11720, 15060, 15435, 17835 /
- 11662 E.PAKISTAN Dacca, Eng nx 1500, Pak pgm to 1730, not 11672(Behr)
- 11680 ENGLAND BBC, IS, Maltese to Malta(where else?!) 1650-1655(DF)
- 11700 VATICAN VR, Fr 1606, Eng 1621-1634, new times?(Behr) End Eng 1723, IS, begin Frenvh1725(DF)
- 11705 USSR Eng "Peace & Progress" to LA 0000-0030, 4 Nov(Marshall)
- 11706 GUATEMALA R.Nac. Quezaltenango, good 0245(Andrews)
- 11715 SWITZERLAND SBC, Eng to NA 0445(Hedstrom)End Eng to NA 0545(Kling)
- 11718 MEXICO R.Mexico, 0003 multi-lingual ID, mx(Martin) Eng ID 0011, LA mx(McCoy) 0000-0048 w/mx, ID(Byers)Sp, Fr ID, address 0045(Koukol)Eng ID 0157, request reports(Volle)Sp ID 0252(Heggs)ID 0256, s/off 0300(Goss)Eng/Sp/Ger ID 0400, //9534(Calkin)
- 11720 SWITZ SBC, new fy, begin Port 2315, ex 11865, mixed Peking(Padula)
- 11725 VATICAN VR, 0050-0103 Eng w/classical mx(Heggs, Hirst)
- 11730 NETHERLANDS ANTILLRS R.Ned., Eng 0232(Ramsey)Eng 0545(Kling)
- 11735 MOROCCO RTVM, Sp nx 2230, //15360(Padula)

- 11735 ECUADOR HCJB, end Eng 0300, into German(R.Anderson)
- 11740 AUSTRALIA RA, oriental mx 1200, poor(Scoville)
- 11750 ENGLAND BBC, 0228 quiz pgm, good(Ramsey)
- 11750 MALAYSIA(Malaya) BBC, Eng mx & cmtry 1100-1115(Randall)
- 11765 W.GERMANY D.Welle, German 1800-2010, //15275, not Kigali(Behr)
- 11770 VENEZUELA R.Monagas, music 1635, Sp armts (DF)
- 11775 CHINA Peking, here in Russian 1020, new fqy(Padula)
- 11775 NETH ANT TWR, s/on Eng 0230, new fqy, only fair, better on 800 kHz(Potter)  
Eng rel pgm 0305; weak-fair(Hirst)Strong 0233(R.Anderson)
- 11780 NEW ZEALAND RNZ, exc 0700- past 0830(Calkin)
- 11780 MOZAMBIQUE RCM, 0440 Eng pops & ads(Hirst)Weak 0615, QRM DW(Shaw)
- 11780.5 USA Intruders - military net, likely USAF, 2119 SSB, annc 11781(GH-D)
- 11780.5 ARGENTINA, RAE, Eng ID 0356, het(DF)11781.5, Eng mx 0630, het(Calkin)
- 11782 IRAQ Baghdad, Arab vocals 1955; ID 2000 & continued w/more vocals(DF)
- 11785 W.GERMANY DW, 0620 Eng to Afr, lang 0630(Hedstrom)
- 11790 NETH ANT TWR, s/on 0400-0448 test tx, request reports(Hedstrom)
- 11790 LEBANON Beirut, new fqy, ex 15170, Eng 0230(Hirst)
- 11790 INDIA AIR, s/cn Burmese 0040, good lvl(Padula)
- 11793 INDONESIA(Java) RRI, Programa Nasional, Djakarta, NF, request mx 0745, s/off  
0800, full ID(Wood)
- 11795 LIBYA Tripoli, Arabic mx 1545(Fisher, Haines)ID?(DF)
- 11795 BRAZIL R.Nac., Rio, futebol 0045(Sizer)0113 IDs, poor(Soneff)
- 11795 USA WINE, Eng 2100(Inglor)
- 11799 CEYLON Hindi 1655(Fisher)Lang from 1100(Haines)
- 11800 ITALY RAI, 1937 Eng mx(Banta)
- 11800 CANARY IS RNE, mx 0200-0210, ID in Sp(Sgrulletta)
- 11810 ALGERIA RTVA, 0640 fair w/pop mx, not //11835(Fisher)
- 11810 ITALY RAI, Eng to NA 0100-0120; on 6010 & 9575 from 2 Nov(Marshall, Soneff)
- 11810 RUMANIA Bucharest, end NA svc & s/off 0500(Wood)
- 11815 PORTUGAL RFE, Lisbon, Hungarian talk 0745(Wood)
- 11815 JAPAN NHK, s/on Eng 1600, good lvl(Koukol)
- 11825 KUWAIT(tentative) Good at 1315 w/Arabic mx, fade 1400(Potter)
- 11825 TAHITI R.Tahiti, native lang 0430; fr 0500(Shaw)Island mx 0340(Koukol) Exc  
0750 w/Tahitian mx(Fisher) Good to 0300 s/off w/"La Marsaillaise"(Calkin)
- 11835 ALGERIA RTVA, fair w/pop mx 0640(Fisher)
- 11835 URUGUAY El Espectador, Sp 2300-2330(Lemna)
- 11835 HAITI R.4VEH, s/on 1100 in Eng, good(Haines)
- 11844M ALBANIA Tirana, from 2130 w/Portuguese, new fqy(Niblack)
- 11845 CYPRUS? BBC, Jap/Chin/Viet 2200; Eng 2300; new fqy(Behr)
- 11850 GHANA R.Ghana, Eng to NA 2000-2100, //9760(GH-E, Soneff)
- 11850 MALAYSIA(Malaya) BBC, cmtry to 0030, ID, E by R to 0045, off 0049(Sgrulletta)
- 11851M VATICAN R.Vatican, IS 2258, bells; new fqy(Niblack)Port to Brazil 2300,  
ex 9615(Padula)
- 11850 NORWAY RN, Norwegian talk 2220; NF, ex 17825, to SA(Padula)
- 11855 ETHIOPIA s/on Fr to Malagasy 0300, good(Koukol)Eng ID, song svc to Malagasy  
0330-0400, good(Marshall)
- 11855 INDIA AIR, Delhi, Eng mx 1330(Madeley)
- 11855 SAUDI ARABIA Jeddah, Eng 0430--530; flute call to prayer, anthem & gong before  
s/on(Calkin)Good 1800 w/ID, talk, then Eng pops, past 1840 t/c(Sgrulletta)  
Eng request pgm, mx 1845-2000(Marshall)
- 11855 NETH ANT TWR, test tx s/off 0307; next nite s/on 0257(Sgrulletta)
- 11855 USA WNYW, Eng & Sp 0115(Scoville)
- 11860 ASCENSION BBC, s/cn 0430 in French(Hoggs)
- 11865 SWITZ SBC, Eng to UK 1930(Byers)
- 11875 NICARAGUA R.Nac., full ID & fqys 1733(Sgrulletta)Eng songs 1630(Banta)Sp 0330  
(Caldwell) 0430 ID & lite mx 0430(McCoy)
- 11875 S.AFRICA R.RSA, mx 0230, editorial(Sgrulletta)Eng 0430, poor(Kling)
- 11880 MEXICO XEHH, 1650 relay XERH(Fisher)

- 11885 USA NF, sports mx 2110, ex 11805(Padula) Who? I assume WNYW. ? (DF)  
 11889.25 USSR Yerevan list, cf 23773.5; 1530 Moscow IS(GH-D)  
 11890 E.GERMANY RBI Eng talk 0245 to NA(Sgrilletta)  
 11890 ETHIOPIA ETLF, multi-lingual IDs 0527, Eng mx 0530, off 0555(Tuchscherer)  
 Eng 0545; poor(Scoville)  
 11895 ENGLAND BBC, NF, s/on Sp to SA 0315(Padula).  
 11895 SENEGAL Dakar, French talk, good 2215(Padula)  
 11925 UZBEK SSR Tashkent, Eng 1220(Sterling) Out of order, sorry(DF)  
 11905 RWANDA Kigali, DW, 0557 pop mx, Eng mx 0600; exc sig(Tuchscherer)  
 11914M EGYPT Cairo, Arabic mx 0115; s/on is 0100; fqy varies some. HCJB on same fqy  
 same time(Niblack)  
 11920 IVORY COAST Abidjan, good 2303 w/Afr mx(Koukol)  
 11920 PHILIPPINES FEBC, 1503 in Cantonese after Eng ID(Hagerman)  
 11921.5 EGYPT Cairo, Fr mx 0200, new fqy(Behr) (Tuchscherer)  
 11925 BRAZIL R.Bandeirantes, Port 0200, good(Haines)2320-2337 t/o, talk, IDs /  
 11925 UZBEK SSR Tashkent, Eng 1200(Michalenka)  
 11935 PORTUGAL R.Port., s/on 1815; good in Eng(Heggs)  
 11940 KUWAIT R.K., Arabic 1604 past 1730(Behr)Arabic 1640, not //15345(Fisher)  
 11940 RUMANIA Bucharest, Eng mx 1930, past 1950(Banta, Randall)  
 11940 JAPAN NHK, s/on lang 1200; weak(Randall)  
 11947 PARAGUAY R.Encarnacion, poor in Sp 0110(Fisher)  
 11949 S.VIETNAM VTVN, Saigon, Vietnamese mx 0900(Wood)  
 11950 SAUDI ARABIA Riyadh, fair 1850 w/Arabic mx(Koukol)  
 11950 NETHERLANDS R.Ned., s/on 0230; good(Ramsey) Lang? Beam?(DF)  
 11950 LIBERIA ELWA, Eng ID, s/on & BBC mx relay 0600(Calkin)  
 11955 NETH ANT R.Ned, NF, strong, begin Sp to Spain 2130, ex 17810(Padula)  
 11955 USA KGEI, 0300 on recently new fqy(R.Anderson) Lang?(DF)  
 11965 PHILIPPINES VOA says my report of this fqy is Poro, not Tinang; however, 250  
 kw is listed for here(Dexter)  
 11965 ITALY RAI, NF, s/on Italian to SA, ex 17770(Padula)  
 11970 NEPAL R.Nepal, strong 0125 w/Nepali mx, lang(Koukol)  
 11970 ENGLAND BBC relay CBC, Eng to Afr 0715(Wood)  
 11970 CONGO REP ORTF, Brazzaville, s/on Eng w/ID & mx 0500(Volle)  
 11975 GRENADA WBS, BBC & regional mx 0135-0212, good(Swanson)0005-0115 good(Marshall  
 11975M LIBERIA ELWA, 2100 lite mx, s/off w/amts(Niblack)  
 11995 GRENADA WBS, 0140-0200 w/pops, TCs, new fqy(Niblack) (Heggs/  
 15012v N.VIETNAM Hanoi, 1515(Fisher)Viet talk 0115(Wood( Eng 2000-2030 daily(Calkin,  
 15050 CLANDESTINE R.Euzkadi, 2230-2300 Sp & Basque, Fr & Eng; began fade 2240 /  
 15070 ENGLAND BBC, WS 1800(Fisher) (Ducharme/  
 15080 INDIA AIR, Bombay, 1840-1935 Eng, Indian mx, opinion, best ever hrd(Heggs)  
 15095 LIBERIA ELWA, 2115 Arabic, E by R 2200, off 2230(GH-D)Arabic 2225(Scoville)  
 ID 2200; Eng lesson, fair lvl(Ducharme)  
 15105 BRAZIL R.Rural, 2235 pol. speech, ID for R.Nac 2250; Rural ID 2330\*(Hirst)  
 15105 SWEDEN RS, 1230, s/on Eng to FE, clear & //21690 to Afr(Hirst)  
 15105 JAPAN NHK, Gen Svc 0200, //17880(R.Anderson)Gen Svc 0300(McCoy)Eng 2000-2030  
 (Dexter)  
 15110 N.ZEALAND RNZ, fair 0300, XERR off(Andrews)  
 15110 MEXICO XERR, 0310 LA mx(McCoy)Mexican mx 1900(Fisher)  
 15120 CEYLON R.Ceylon, 0125 IS, s/on 0130 in Eng, brilliant lvl; new fqy(Niblack)  
 Barely audible 0130 s/on Eng (Heggs)  
 15125 TAIWAN VOFC, 0228 Eng talk, mx(Hagerman)  
 15125 PORTUGAL R.Port., Eng DX pgm 0415-0430(Marshall)  
 15130 TAIWAN BCC, Eng 1815(Jamison)  
 15135 IRAN R.Iran, Farsi ID 0800, drifts during pgm!(Padula)1855 Arab mx(GH-D) 2000  
 +2030 Eng mx & mx(Heggs, Banta, Patterson)1515 Iranian mx(Fisher)  
 15135 FRANCE ORTF, end LA Svc, s/off 0300(Wood)  
 15142v EGYPT Cairo, Arabic 1900, bells IS 2000; weak & QRM(Nehr)  
 15145 BRAZIL R.Jornal do Comercio, 0021 Port, good by 0145(McCoy)

- 15145 CONGO REP ORTF, Brazzaville, 1905 mx & Eng; Eng mx 1930, new sked(Behr)
- 15150 SAUDI ARABIA Jeddah, Arabic mx 1820(Fisher)
- 15150 JAPAN s/on Eng 0200, //15300, 17880(Sterling)
- 15155 IRAN R.Iran, Eng 2000, good sig(Martin)
- 15155 W.PAKISTAN Karachi, NF, Arabic ID, ex 15225, //17945, at 1815(Padula)
- 15155 BRAZIL R. Dif. de Sao Paulo, 0115 Port ID & pgm; fqir, QSB(McCoy)
- 15160A ECUADOR HCJB, Eng to India 0215, annc only 11765(Hagerman)Eng 0230(R.Anderson)  
This is seemingly a spur; noted here once on 15162(DF)
- 15160 TURKEY Ankara, Eng 2200-2230Marshall; Heggs, Banta)
- 15160 USA VOA, Bethany, Sp 2215-2345, good(Marshall)
- 15165 PHILIPPINES VOA, Tinang, 250 kw, Eng 2200-0200 s/off(Padula, DF)Local ID 0200  
s/off(Hagerman)Bob, you list Poro. Was the ID for Poro, or just Philippines?  
Sked lists 250 kw, but see also 11965, this month(DF)Weak 0105; Poro or Tinang?  
(Hirst)Looking for Seychelles, all I hear is VOA(Shaw)
- 15165 DENMARK RD, DX Window 1915-1945 to Afr(Marshall)1445 Eng ID at s/on(Caldwell)
- 15165 SEYCHELLES FEBA, test 0100-0330 in Eng; records & ID(Heggs)S-2 but readable  
w/dinner mx, anmt by YL 0107 giving address, FEBA, Box 234, Victoria. QRMd out  
0112 when Lebanon carrier comes on 15170, resulting het w/RA(Hirst)Several  
days in late October, best 0200-0245(Calkin)In Eng from 0123 tune; many IDs as  
"Fee-ba, Seychelles". Same mx, anmts 2 days later, 22 Oct, so must be taped  
test pgm(Dexter) Lebanon now gone to 11790, but VOA, Philippines here to 0200.  
Nothing heard after 0200(DF)
- 15165 SYRIA Damascus, Fr to Eur 1945(Calkin)Eng 2145-2200, YL ancr, fine lvl. New  
Eng time slot?(Niblack)
- 15170 AUSTRALIA RA, s/on 0100 w/serial, 5 Nov, 0127 ancd end of weeks episode, mx;  
ID, fcy, time & Eng mx 0130(G.Ferguson)Good copy 0100 s/on(Hirst, Heggs)
- 15175 S.AFRICA R.RSA, Fr 1900, Dutch 2000, new sked(Behr)Port to Eur 2100(Padula)
- 15175 PHILIPPINES VOA, Chinese 1600-1700 s/off, //15345(Behr)
- 15185 FINLAND Pori, s/on 1500 in Swediah/Finnish/Eng, into mx pgm, on portable rx,  
below street lvl(Estand)Multi ID 1458, to Eur, NA(Hirst)Lang 1510(Fisher)1525  
lang & ID(Caldwell)Mx 1800(Heggs)2257 rotten reception in NA Svc(GH-E)
- 15185 FRANCE ORTF, mx, views, comment, mx, s/off 1946, fair in Eng(Goss)
- 15210 VATICAN VR, 1600 Fr, then into Eng 1619(Caldwell)
- 15210 AUSTRIA OR, s/on 2000, //15200, 6155(R.Anderson)
- 15220 S.AFRICA R.RSA, Eng to NA 2330-0320, //11875, 9715, 9705(Hedstrom, G.Ferguson,  
Kling, Behr, Padula, Hirst, R.Anderson)Eng to E.Afr 0415 s/on(McCoy)
- 15230 CEYLON R.Ceylon, 2 Nov, 0228 w/anmts & mx; ad for patent medicine 0234, hrd  
to 0300(G.Ferguson)
- 15235 ASCENSION BBC, WS to Afr 0400(McCoy)
- 15235 INDIA AIR, Eng mx, cmtry, mx & s/off 0115(Calkin, R.Anderson)
- 15235 JAPAN NHK, 0150 mx, anmts, ID & more mx to 0215 anmts(G.Ferguson)
- 15240 USA KGEI, 0125 Sp rel pgm(McCoy)
- 15255 ECUADOR HCJB, DX Party Line anncd 21460 to US & Canada, testing 0745-1500 dly,  
to 1600 Sat/Sun. Said 1st time ever on 13 m, but was to Eur last month(Hirst)
- 15260 CYPRUS CBC, 1900 IS 6 mx, Eng ID 1925; QRM Cuba(Behr)From 1859 s/on, fair to  
good under RHC; Greek-type mx & anmts(Dexter)
- 15265 AFGHANISTAN Kabul, 1800 s/on Eng; QRM VOA-15270(Calkin, Fisher)
- 15273 URUGUAY S.O.D.R.E., Montevideo, list next day's pgms 0300, off 0305(Wood)
- 15280 N.ZEALAND RNZ, good 0430(Andrews)Details?
- 15295 FRANCE ORTF, 3 Nov, 1930 ID, sked & asked for reports, to 1945 in Eng(G.Ferguson)
- 15300 ECUADOR HCJB, Eng 1900, Ger 2000, //17780(Behr)
- 15300 JAPAN NHK, 0500 Gen Svc(McCoy)
- 15310 MALAYSIA(Malaya) BBC, Tebrau, s/on WS 0900, //17880, 11955(Wood)
- 15310 SWEDEN RS, 1610-1630 mx in Eng; Swedish 1630(Estand)Eng to WNA 1600, het(Hirst)
- 15310 INDIA AIR, Delhi, 0245 Eng mx, off 0300, poor modulation, hum(Wood)
- 15315 SWEDEN RS, Eng mailbag 1125, good(Scoville)
- 15325 CANADA CBC, good in Ger 1800, Hungarian 1815(Volle)
- 15345 CUBA RHC, Fr 1700, Arabic 1810, NF, man in Guarani 2230(Behr, Padula)

- 15345 KUWAIT RK, Eng 1630-1900 s/off, generally good sigs; mx, mx, IDs, pop & lite mx:(Randall, Sterling, Padula, Volle, Marshall, Ramsey, Sgrulletta, McCoy, GH-D) Cuba now here in Arabic during afternoons, see last item(DF)
- 15360 W.PAKISTAN Karachi( I assume-DF), s/on 1845, Turkish, Koran chants, from 15355, used a few weeks ago(Padula)
- 15360 S.AFRICA R.RSA, s/off 1750(Jamison)Eng ID, to Afr in lang 2000(McCoy)
- 15365 CANARY IS RNE, Sp to SA 0200 w/pops, mx(Haines)
- 15365 NIGERIA Lagos; Eng mx 0600, QRM(Banta)Afr mx 1610(R.Anderson)
- 15370 ETHIOPIA ETLF, NF, 0430-0554 s/off in Arabic(Behr)Arabic 0430(Padula)
- 15380 BRAZIL ZYC9, Rio, 2245 w/ID as Super Radio Tupi(Williamson)
- 15380 W.PAKISTAN R.Pak., Islamabad, film mx, Inter-Wing Svc to E.Pak, 0300(Wood)
- 15380 SPAIN R. Liberty, Azerbaijani 1830, past 1900, over jammer(Behr)
- 15385 PHILIPPINES FEBC, Manila, Eng rel pgm 0915(Wood)
- 15400 IRAQ? Baghdad, lang mx 1800(Jamison)Not ETLF?
- 15412 ALBANIA Tirana, begin Russian 2030(Padula)
- 15420 SPAIN RNE, Sp mx & mx 2300(Scoville) (G.Ferguson)
- 15425 AUSTRALIA Perth, mx, mx 0000-0020(Martin)0050 talk, mx; TC 0100, mx, pops /
- 15432.5 S.KOREA VOFK Sp 0230, Eng 0300(Behr)Eng mx 0300-0400(Koukol, Caldwell, Banta, Stuart, Tuchscherer, Volle) 15432(Wood)
- 15430 AUSTRIA Eng 0030(Ingler)
- 15435 RWANDA DW, Kigali, 1745 s/on Eng mx(Calkin)Eng 1806-1845 s/off, AFRS QRM(Volle)
- 15440 PHILIPPINES FEBC, mx & IDs 2235, fair(Goss)
- 15445 CONGO REP ORTF, 0515 relay ORTF(Fisher)Details, please(DF) (Martin)
- 15445 BRAZIL R.Nac. de Brasilia, Port ads 0300(Haines, Fisher)Port IDs, ads 0330/
- 15445 LIBERIA VOA, Mva, poor 2100 in Eng(Ramsey) (Haines)
- 15519 E.PAKISTAN Dacca, IS, s/on lang 0100, Eng ID 0115(Volle)0130(Andrews) 0300 /
- 17605 CHINA Peking, Mao talk in Chinese 0815(Wood)
- 17705 INDIA VUB, Bombay, Hindi, //15130. rptd in error last month as R.Pakistan (Behr) Tnx for correction(DF)
- 17705 CUBA RHC, Eng 2035, very good(Banta)
- 17725 EGYPT Cairo, ID in Eng Svc to W.Afr 2140, weak(R.Anderson)
- 17735 PHILIPPINES VOA, well hrd 0100 ID; weak but clear(Shaw)250 kw list on skeds, indicating Tinang(DF)
- 17770 ITALY RAI, bird chirps, s/on 1830 to Canada & US; Italian(Estand)
- 17775 USSR Khabarovsk, R.Yerevan 0300, //17880, 15180; off 17790 & 15140(Behr)
- 17775 LIBERIA VOA, Monrovia, excellent 2215(Andrews)
- 17795 NORWAY RN, Eng 2200-2230, 26 Oct; only fgy audible here(Soneff)
- 17795 S.AFRICA SABC, s/on, IDs, anthem, Fr to Congo 1900(Padula)
- 17800 RWANDA DW, Kigali, s/on Ger to LA 2300(Wood)
- 17800 INDIA AIR, Arabic talk, for W. Asia, 0520; ex 17780 listed(Padula)
- 17805 S.AFRICA R.RSA, Eng 0430, Afrik 0445, //15220, 11900(Behr)
- 17810 PHILIPPINES FEBC, Chinese & hymns 0030-0100(Behr)Mx 0055, IS & ancd Manila 0100, march, 0107 amts & talk(G.Ferguson)
- 17810 NETH ANT TWR, Eng mx, mx to W.AFR 2000-21--)(Marshall)
- 17815 ITALY RAI, fair 1700 in Eng(Ramsey) (DF) /
- 17815 ? VOA, Philippines?, Eng 0000-0200, strong echo, dual path(Behr)Bethany list
- 17825 S.AFRICA R.RSA, IS 1700, tuning sig to 1715, 1745 Eng pgm; 1800 IS, 1804 tuning. Irregular tx & fgy; 22 Oct only(Behr)
- 17825 JAPAN NHK, Eng 0025(Sterling)
- 17830 USA VOA, Gvl, s/on Sp 1130; 1 million watts this fgy 1130-1200! Two 500kw units in parallel -- what next!So says latest sked(Padula) Yep.(DF)
- 17855 CHINA Peking, Eng to ECNA 0100(Wood)
- 17880 AUSTRIA Vienna, 1555 IS, 1600 Ger mx; QRM VOA(Behr)
- 17890 TAIWAN VOFC, mx & cmtry 0215(Goss)Eng 0202(Sterling)Eng 0230(Haines)
- 17920 EGYPT Cairo, Eng w/Arabic lang lesson 1330-1415 s/off(Madeley)
- 17930 W.PAKISTAN R.Pak., Karachi, Eng mx 0810(Wood)
- 17946 W.PAKISTAN R.Pak., Karachi, Swahili mx to E.Afr 0445(Wood)Eng 1345(Ingler)
- 19378.4 ARGENTINA RAE, 2x9689.2, 0045 weak but clear here w/IS 0059(GH-D)

- 21455 MOROCCO(Tangier) VOA, Eng pops 1745(Hagerman)
- 21460 ECUADOR HCJB, 26 Oct, 1500-1600 abrupt s/off w/"Morning in the Mountains" pgm of sacred mx; fqy not mentioned; annr only 16, 19 & 25 mb; great sig, not hrd on earlier tunings around 1200 or 1300(Hirst)Ger to Eur 2000, Scandanavian 2030, Dutch 2100, //15415, 17780(Padula)Eng 2000 ending, //15415(R.Anderson) 1530-1630 Russian, Sp to 1700 on a Sun; 1800-2000 Eng, Ger 2000; Eng 1330; all at strong lvl(Potter)
- 21480M SA.AFRICA R.RSA, NF, s/on 1900 Fr(Niblack)Rare for Australian reception; hrd during French Svc 1940-1950 s/off(Padula)
- 21485 VATICAN VR, 1055-1105 end Eng, begin Fr(Randall)
- 21540 AUSTRALIA RA, here to 1030 s/off; to Asia/Pacific; QRM USSR(Padula)
- 21560 ITALY RAI to Canada in Italian, s/on 1830(Soneff)
- 21570 NETH ANT R.Ned., Eng to Afr s/on 1830(Soneff)
- 21585 SWEDEN RS, 1610 pop mx, Eng amnts; ID 1617; Swedish 1629(G.Ferguson)
- 21610 ENGLAND BBC, Workd Radio Club 1530 to NA(Banta)
- 21635 SEYCHELLES 1738 tune, many amnts, asked for rpts, QRM(Hirst)
- 21670 AUSTRIA Vienna, NF, 1st time 13 meters; begin Ger 0600, to 0800(Padula)
- 21670 NETH ANT R.Ned., s/off Eng 1750(Wood)
- 21690 PHILIPPINES R.Veritas, operating PTP to Vatican, mostly Eng, some Italian. Only Manila side of conversation was hrd; mentioned alternate fqy of 21740. Not completely PTP in content or stlyng; ancd "R.Veritas to Vatican"; noted 0815, s/off 0835. One of strangest things I ever hrd(Wood)0700-0800; also on 21740 same time a couple weeks before; Eng & according to amnts will seek change from 15170 down to 11 MHz for Vietnam Svc. Contemplating installation of new antenna for direct off air relay of Vatican mx(Padula)
- 21730 PAKISTAN NF, ads in local lang, local ID 0800; cricket later(Padula)QTH?(DF)
- 21740 AUSTRALIA RA, 0100 Eng to NA; fair to good(Heggs)
- 23610 USA WNYW, 21 Oct, 2200 CBS mx; 2x11805, also hrd(GH-D)
- 23710 USA WNYW, 2x11855, also hrd, 0009 CBS mx(GH-D)
- 23710 SAUDI ARABIA Jeddah, @x11855, 1930 lite mx; end Eng 1959, then Fr(GH-D)
- 23778.5 USSR Yerevan list for 11890, 1451; Moscow IS 1500(GH-D)
- 23810 CANADA CBC, 2x11905, 1845(GH-E)
- 23877 PERU R.El Sol, 4x5969+, EST TC 2255, mx 2300(GH-D)Later on 23878=4x5969.5(GH-D)
- 23890 CANADA CBC, 0000 IS; 2x11945(GH-D)
- 24160 ENGLAND VOA, Wooferton, mx to Eur 1800, 4x6040 unhrd, of course(GH-E)
- 24221 COSTA RICA R.Relej, 4x6055 $\frac{1}{2}$ , ID 0004(GH-D)
- 24640=4x6160 ENGLAND VOA, 1755 Hungarian(GH-E)
- 24740=4x6185 USA VOA, Delano, Eng 1600, into Viet(GH-E)
- 25295=5x5969 UNID - ANGOLA? 25 Oct 1617mx; thot hrd a few Port words in 1800 mx. 26 Oct, 1435 man talking. 28 Oct, mx, amnts; 1630 "Eine Kleine Nachtmusic". 1700 thot hrd "são 7 horas"; 1715 drama--in Port?. Another possibility: South Yemen-5959. Can anyone help w/ID on 25295 or confirm Huambo on 5059?(GH-D) How about R.Cultura, Venez., on 5059. Have you eliminated that? Could lang be Spanish?(DF)
- 25350 W.GERMANY RFE; fixed, 1707 ISE/RC(what's that-DF); Czech ID 1710(GH-D)
- 25900 NORWAY R.Norway, mx. cmtry, talks 1800 Sundays(Haines)Eng 1800(Fisher)
- 26330 USA KE5823, Elizabethton, Tenn., 40 w FM unit of WBEJ-1240, 2329(GH-D)
- 26370 USA KD4461, Lexington, Ky, 100w FM unit of WVLK-590; 2145 remote; again next few days(GH-D)
- 30140 ENGLAND BBC, 2x15070, Big Ben 1345
- 30190 CHINA Peking, 2x15095, 2335 Sp, M&W(GH-D)
- 30280 RSFSR(As) R.Moscow, 2x15140, Sp 0110(GH-D)
- 30370 PHILIPPINES VOA-Tinang, 2x15185, ID 0051(GH-D)
- 30410 ENGLAND VOA, Woofferton, 2x15205, Mx USA 1730(GH-D)
- 20520 ENGLAND BBC, 2x15260, Big Ben & mx 1530(GH-D)
- 30620 UNID "What a Friend We Have in Jesus" 2355; unk lang later; 2x15310 likely, but not hrd; believe not HCJB--maybe Philippines?(GH-D)

TENTATIVE LOGGINGS

3360 R. Huamuco, Peru, list; Sp mx 0940, past 1030. Guat. operate this time?(DF)

9505 Brazil, pop mx under Japan 0805 (Randall)

15145 ORTF, France Eng to Afr 1930 (McCoy) No, not harm. or image; see this month (DF)

UNIDENTIFIED LOGGINGS

3376 Organ mx 0409 (DF)

4729 Undi Brazilian 0320 (Dexter)

6095 VOA, unlisted, 2059 mx, off 2101, back 2205 w/mx. Where? (GH-D)

11705 Asian lang before Sweden carrier on 2243 (Potter)

--The following from Del Hirst--

2479 1305, faintly British anc; anncd 6 past 6; wx rpt, pop mx, "...Radio" MW harmonic? Canada?

3244 0225, prob. Ecuador, ID 0230 not copied; 0300 "Transmite Sonido Calxico" (or "Calxico"); CW QRM starts (Hirst)

3293 Unid RRI stn, YL in Indon, native pops from 1250; ID 1255 not copied.

4761 1310 Indian type mx; thot hrd Eng ID by YL 1315; another day Indonesia QRM up fgy. Delhi & Simla both list.

4884 Piano ID 0525 hrd last year is back; tricky little tune. Clandestine?

6095 PERU. 0440 ment. "R.Nac.", s/off 0447 pretty sure was Peruvian anthem. (Hirst) I should have this with the 6095 Peru list (DF)

Credit to the following reporters:

Rick Anderson, Ill. HQ-200  
 Bill Andrews, Ala., Sears  
 John Banta, NY, SX-110  
 Ernest Behr, Ontario, R-530  
 Kevin Brown, Mich, Masterwork  
 Robert Byers, Ontario, GR-64  
 Dr. Bill Caldwell, Calif., SW-4A  
 Gregg A. Calkin, Ontario, SW-4A  
 Gerry L. Dexter, Wis., HQ-180 & R-4B  
 Jim Ducharme, Mass., GR-64  
 Bob Estand, Texas, DX-150  
 Dan Ferguson, Fla., SB-310  
 Grady Ferguson, N.C., SX-100  
 Marlin Field, Mich., SX-100  
 George Fisher, Colo., SW-4A  
 Randall G. Goss, Texas, GR-54  
 Bruce Haines, Colo., SW-4A  
 Glenn Hauser, Denver, Colo (GH-D) & Enid, Okla (GH-E) HQ-160  
 John Hedstrom, Ill., GE  
 Bob Hagerman, Mich., Star Roamer  
 Dick Heggs, Br. Columbia, SB-310  
 Del Hirst, Texas, HQ-100  
 Homer Ingler, Fla., Star Roamer

Danny Jamison, S.VIETNAM, S,120, T/O

Al Kling, Mo.,

Craig Koukol, Ill., SX-130

Kris Lemna, Ind., SB-310

Martyn Madeley, Ill., T/O

Mrs. Mildred Marshall, N.D., SX-122

Bill Martin, Del., NC-183

Mauri McCoy, Tenn., DX-150

Henry Michalenska, R.I., GR-54

Al Niblack, Ind., SX-100 II

Richard Niles, N.J., Sony

Bob Padula, Australia, CR-100

Carroll Patterson, Ga.,

David Potter, Fla., S-40B

John Ramsey, Conn., SW-4A, R-100

Harrison Randall, Mass., Philco T999

Lawrence Scoville, NY,

John Sgrulletta, NY,

Ed Shaw, Calif., SX-130

Al Sizer, Conn., DX-150

John Soneff, LA., HQ-180

Bill Sparks, Calif., R-4B

Wendell W. Sterling, Pa., SX-62A

Jerry Stuart, Okla., NC-190, DX-150

Mike Swanson, Wis., HQ-145XC

John Tuchscherer, Wis., HQ-100A

David Volle, Ill., GR-64

Richard Wood, HI, SS-IBS, HQ-180, SP-600, R-530.

Nice to see some new names in the list; some that haven't checked in lately. Always nice to hear from Grady. Have always tried to stop & see him whenever I am near Charlotte, since late '50s....I have one or two letters in which seemingly have no connection with NASWA, so did not use any items from them. Hope I'm not mistaken on this. It would help, I suppose, if you mentioned NASWA when reporting. Thx.

Gather you had some opposition to the \* notation. ...Not really, I don't try to over-abbreviate; just when it will save space, tho sometimes I do it unnecessarily. If I had one of those typewriters with super-small type, I might abbreviate everything, use initials & go to two columns! Hi, \*= s/on or s/off. df

From 21 January, Dom Rep time will be GMT-5 hrs; is now GMT-4½ hrs (César Objío) So watch for sked adjustments then (DF)

The best of everything to each of you during the holiday season, and throughout the coming year....Remember to watch for Arab stns operating late - Ramadan is coming..... 73, Dan

Omitted from credit list:

Dr. Tom Williamson, Ontario, HQ-100

\*\*\*\*\* FLASH

Last minit news/tips



SHEET \*\*\*\*\*

Last minit news/tips

AL NIBLACK-EDITOR, 420 SHELBY STREET, VINCENTS, IND. 47591 Deadline 23rd of the Mo.

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 11-4-69

PREDICTED: NOV-89 DEC-88 JAN-87 FEB-85 MAR-84 APR-83

FOR OCTOBER 1969: 1-84 2-101 3-98 4-92 5-103 6-117 7-120 8-92 9-89 10-78 11-68  
12-60 13-47 14-55 15-46 16-43 17-38 18-43 19-35 20-87 21-102 22-107 23-124 24-135  
25-137 26-142 27-138 28-121 29-113 30-95 31-80 MEAN--89.9 (Grady Ferguson)Now to the month's loggings:AUSTRIA: (FLASH) Just received a sked from Vienna, soon to operate for first time on 13 meters. From 2nd November, 0600-0800, on 21670. (Shepherd)CAPE VERDE IS: 3883 CR4AA may be heard better after 22nd November when FCC restricts 3850-3900 to AROs with advanced licenses. Not too many of these initially. (Sizer)... CR4AA tentatively heard at 2200 with seemingly news. (Lemma)CHINA: FBIS lists for Fukien, heard at 1254 with Chinese melodrama, vry clear signal, on 2430...2475 Listed Hangchow also heard vry well, went right past 1300 without a break for ID. (Hirst) (Some excellent low band DX Del, Editor)COSTA RICA: (FLASH) 4691V (to 4697) Radio Reloj just heard around 0330 in usual format in parallel with 6007V. When did this all happen?? (Dan Ferguson) (The outlet is there alright, I just checked and confirm; excellent sigs, Editor)DENMARK: On 8 October it was officially anned that the Radio Council has decided to stop the International Prgms of R. Denmark from 1 April, 1970. (Swanson)GREENLAND: Godthab, 3999, heard at 1012 S/on, followed with pops, news at 1030 in Greenlandic, weak lvl. (Sizer)HOLLAND: (FLASH) Mr. Edward Startz, for 41 years host of R. Nederland's "Happy Station" prgm, is retiring 31 December. Mr Tom Meyer will be his successor. (Williams) (Eddie, say it is not so, Editor)ECUADOR: 21460 HCJB has started using this fqy, English ID at 2030, then into a Scandinavian language. (Shepherd)EL SALVADOR: 9555A R. Nac. de El Salvador has a tri-lingual prgm daily from 0300 to 0325 (also on parallel 5980) (and MW 655) called "Melodies to Remember". Good IDs in Spanish, English, French (this could possibly be Portuguese). Small bits of news given with music in between. At the end this is given: "We would like to know your opinions and comments about this transmission. Please write to National Radio of El Salvador, El Salvador, Central America. We answer all letters. Please.....tomorrow, same time, same frequency. Thank you and goodnight to everyone. The following program will be our regular transmission.....". (Heggs)ETHIOPIA: 17875 EPLF S/on at 1230 with transmission in Mandarin to East Asia (announced). This replaces old 17835 for the Thur.-Sat effort. (Shepherd)INDONESIA: 9585 VOI, Djakarta, heard poorly at 1915. (Lemma) (Kris, is the time quote on this one correct, Editor)IRAN: Radio Iran noted with news in English at 2000, vry poor lvl due to poor propagation conditions existing. (Allen)LEBANON: 11790 Beirut, noted 6 November now using this new fqy to No. America, 0130-0400 excellent lvl, English at 0230. (Balbi)MALAWI: 3380 This one heard well from 2245-2310 S/off on a Saturday. (Lemma)MAURITANIA: 4850 Heard well with African music and M amncr through heavy QRN around 0710. (Lemma)MALAYSIA: Kuala Lumpur, 9660, parallel 7290, heard with news in English at 0930; also, heard at 1400 checks, regularly. (Balbi)

PLEASE TURN OVER FOR MORE TIPS

MEXICO: 9535 R. Mexico strong sigs at 0130, QRM de SBC, and parallels 11718. (Balbi)

MONACO: 7290 TWR, Monte Carlo's new S/on time is 0725, 1 hour later; strong signal, with ID and fgy quote at S/on, into English religious format. (Balbi)

MOZAMBIQUE: 11781 L. Marques heard at 0324 with fantastic signal strength, a Paul Revere tobacco commercial, hit records, so on. (Lemna)

NEW ZEALAND: RNZ noted on 11780(good), in parallel with 9540, with local news at 0700. (Balbi)

NIGERIA: Lagos, 11945, heard once on this fgy in parallel with 7275, news in English at 0700. (Balbi)

PHILIPPINES: Station DZH6, 6030, FEBC, heard at 1445 with election results in English. (Balbi)...6170 FEBC heard with English and music at 1120. (Byers) (Editor's note, I don't think this is FEBC)...6170 PBS, Voice of the P.I., strong in language, some English S/on at 1500. (Balbi)

SAUDI ARABIA: 11855 After being unsuccessful for numerous tries I finally got the Beasting Svc of the Kingdom of Saudi Arabia, 1930-2000. Reception was generally poor for other stations on the band, but this one came through with nice clear and strong audio, no QRM. (Heggs)...SABS, 11855, sometimes comes through with excellent signals at 1830 with "Listeners Request" on Sundays. (Byers)... 11855 Djeddah found in English at 0455, ending of news, then into music. Is regular feature. (Martin)... 11855 Djeddah now heard well on West Coast at 1945 with news in English, later into French(Balbi)

SEYCHELLES: In re my logging on 21460 reported last month, this quote IS CORRECT. My logging of FEBA was 14 October, and HCJB started using the fgy on 16 October. No verie in here yet. (Mike Macken) (Mike, thanks for the explanation; Overseas monitors confirm your logging fgy quote. My apologies for thinking you had made a boo-boo, Editor)...Finally tentatively logged 0213-0224, on 15165, pops and light music, with YL anncr after each selection. Report sent. (Lemna)

SWEDEN: 15315 Radio Sweden heard at 1129 ending transmission, giving pertinent info about the station's beasting schedule in English. (Allen)

TANZANIA: Heard on 5985 in language from 0500-0520, which is, I think, past listed S/off time. (Lemna)

TUNISIA: 11900 Heard in Arabic with good signals from 2315-2330 S/off. (Lemna)

URUGUAY: Radio El Espectador being heard on 11835, 2230-2330; somewhat squeezed by Brazil and Portugal operating nearby. Frequent mention of, Informe El Espectador(Sizer)

USA: WWV(WVH) has been noted at 0300, 10000, requesting for listeners to write in and obtain their survey form. A change is contemplated in their on the air format. (Lemna, Sizer). (It is suggested that all in our hobby write WWV and obtain the survey form; your Editor has already filled out one and returned it)

USSR:(LATVIA SSR): Riga with Russian Home Svc, the BBC with English WS, both heard nightly around 0300 on 7140, with the Latvian being the stronger. After M and YL commentary, brief musical interlude, leaves the air at 0330 with a musical ID. Time to return to the air is unknown. (Sizer)...KAZAKH SSR Alma Ata in the clear with a strong signal at 1100 with prgm in German; Russian at 1130, on 10530, easy copy no strain lvl. German prgm timing does not agree with WRH listing, however, I have a tape for proof. (Sizer)

VIETNAM(N): (FLASH) Hanoi noted on new 5970, with 7290 deleted, in English at 1430-1500, strong signals, usual format. (Balbi)

UNIDENTIFIED: 4883 Am not positive but believe the one here has returned after a two years absence. Heard from 0545 tuning with IS, much like the former one, brief talking by woman at 0600, followed by tone till 0616 off. Good lvl. (Dexter)... Heard with same format on 4880, from about 0542 varying. (Martin) (Fellows this one was logged initially 2 years ago here in So. Indiana. To my knowledge, the ID has never been cracked, Editor)

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...THANKS TO ALL. BEST OF SEASONS GREETINGS TO ALL. Please keep reports coming. Phone last minute tips to 882-3976, after 2200 GMT; or, if you want a bit of shortwave chatter, you are cordially invited to do the same.