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# NORTH AMERICAN SHORTWAVE ASSOCIATION

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DECEMBER 1971

VOL. X NO. 12

NASWA HEADQUARTERS

POST OFFICE BOX 989

ALTOONA, PA. 16603 USA.

## CHRISTMAS

I would have you, good friend, observe a young lad, a novice DXer let us say, at table for Christmas, and his grandfather, an oldtimer, sitting across from him. What a world of secret similarity there between them. How the hope in one and the retrospection in the other, and appetite in both, meet over the same ground of pudding. And how both understand it to a nicety. How the oldtimer banter the novice on his third slice, and how the novice thinks within himself that this day he dines as well as his senior. How both look warm and rewarded and juvenile, and are smiling. The oldtimer see's his own reflection in the face of the younger; And if the novice is not pleased at the proclamation of the likeness (in truth he is a bit horrified at it, thinks it somewhat a sort of madness) he would do well to realize that those who have lived long enough to see the wonderful changes in the faces of people from youth to age, probably discern the thing well enough to feel a moment of pathos in their hearts in considering the world of trouble and emotion that is the causer of the changes, he would soon come to fathom that the oldtimers face was once as that of his, and that his will one be as that of the oldtimer. In this regard, there be no generation gap, not as is known today.

What a wonderful thought to make all of us love and understand one another; If not for our own fine qualities, then at least for the trouble and sorrow we all go through. Yes, and joy too, for all peoples have their joys as well as their troubles and sorrow at one time or other. Most likely both together, or in constant alternation. And the greater part of troubles are not the worst things in the world, but only graver forms xof the requisite motion of the universe, or workings towards a better condition of things, the greater or less violent for violence; Or respect them like awful, yet not ill-meaning gods, and entertain them with rewarded patience.

Grave thoughts you say...for hristmas!? Yet say I, perhaps no better season has greater right to grave thoughts in passing; And for that very reason no season has a greater right to let them pass and recur to more light ones.

So a noble and merry season to all of you my friends...and may we meet thick and threefold many a time to come...the novice and the oldtimer alike, ever with the spirit of "Unity and Friendship" in mind; Always with the Spirit of Christmas in heart.

Bill Eddings

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CHRISTMAS BONUS IN THIS EDITION!!! All members will receive, with this edition Frendx, a 'Christmas Bonus' in way of updated/new/revised 60MB survey courtesy of Dan Ferguson.

NEW MEMBERS, WELCOME!

"FOR IMMEDIATE RELEASE"

George McKay Jr., Pomona, California. Via World Radio-TV Handbook.  
 Albert C. Ray, Mayne Island, B.C., Canada. Via member George A. Ray.  
 Thomas Borcharding, Blacksburg, Virginia. Via Communications World.  
 Philip G. Roche, W.Riverview, N.B., Canada. Via member Dan Ferguson.  
 David Petrick, Mt. Vernon, New York. Via Communications World.  
 Fred Schroeder, Charleston, Illinois. Via Communications World.  
 Adamino Ortiz, Pottstown, Pennsylvania. Via Communications World.  
 E. Wayne LeRoy, Denver, Colorado. Via Communications World.  
 Horace G. Little, Richmond, Virginia. Via World Radio-TV Handbook.  
 Jeff E. Haverlah, Houston, Texas. Via an assortment of magazines.  
 Earl T. Burrows, Miami, Florida. Via Dan Ferguson and WRTH.  
 Andrew A. Chabot, Attleboro, Massachusetts. Via Communications World.  
 Gordon Brill, Wauwatosa, Wisconsin. Via Communications World.  
 Donald Rydell, Staten Island, New York. Via Communications World.  
 Elmer M. Johnson, Port St. Lucie, Florida. Via World Radio-TV Handbook.  
 Billy Hunt, Durham, North Carolina. Via PE Communications Handbook.  
 Jonathan Snyder, Cleveland Hts, Ohio. Via Communications World.  
 David Wolf, Saint Louis, Missouri. Via ANARC/Serge Neuman.  
 Max Gershfield, Chicago, Illinois. Via PE Communications Handbook.  
 Norman Hancheruk, Richelieu, Que., Canada. Radio Nederland 'DX JukeBox'.  
 Thomas D. Lees, Fredericton, N.B., Canada. Via World Radio-TV Handbook.  
 Errol Urbelis, Greenlawn, New York. Via Newark News Radio Club.

An updater to the 'SWL Address Book' is now available. Containing 200 additions and corrections to the original (published in 1969) the updater is priced at \$1.00 ppd and may be ordered directly from Gilfer Associates, P.O.Box 239, Park Ridge, NJ. 07656. Both the updater and the original book may be had for \$3.50 ppd. For info of newcomers; the 'SWL Address Book' has been popular with SWL and DXers who are interested in collecting QSL cards, pennants, etc., from overseas broadcasting stations. The composite address book details verification policies of over 650 international, regional and tropical broadcasters with address information, name of verification signer, postal requirements, availability of pennants, etc. The 'SWL Address Book' and the updater are only two of the many publications offered by Gilfer Associates. They also stock/sell 'ShortWave Voices of the World' (\$5.95 ppd) which was written by our own Dr. Richard E. Wood. Incidentally, the address book and updater were written by J. C. Gillespie, another staunch NASWA supporter.

MANY, MANY/SINCERE THANKS!

There are a number of our members who are due much thanks and plaudits for their assistance, helps, donations, etc., which ordinarily are not made known publically in every instance. While these members are not overly serious when it comes to DXing, and they do not report rare loggings each month, or have their names credited in any of the sections of the bulletins; They serve NASWA in other idioms which are most beneficial. One such member is our friend Sara Stillman of New York. Several times, in various ways, she has come forth, altho 'behind the scenes' as she prefers, and has been an asset to the club. Our humble but hearty thanks to you Sara!

RENEWALS

Second year: David Schmidt.  
 Third year: James Young; Harry Johnson

(NOTE: Those members joining or renewing after the 15th of the month will be listed in next months bulletin.) Are you due to renew? Dont hesitate...act now!

AND THEN THERE ARE THOSE...

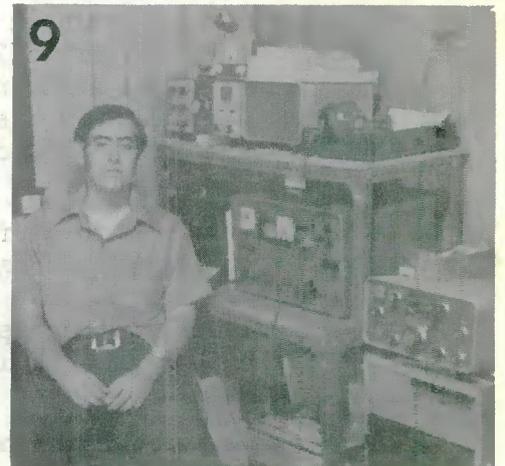
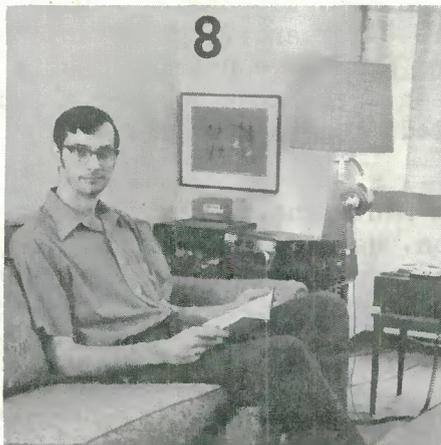
We have been noting of late, via bulletins of other clubs and by mail received, there is a certain individual collecting all kinds of awards/certificates for his numerous achievements of verifications/QSLs received. Several years ago this OM was 'removed' from NASWA becuz of "untruths".

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A V E R Y H A P P Y H O L I D A Y S E A S O N

MERRY CHRISTMAS+HAPPY NEW YEAR+MERRY CHRISTMAS+HAPPY NEW YEAR+MERRY CHRISTMAS+HAPPY!!

DXers in Dens



1. Bill Patterson

2. Edward J. Pyatt

4. Richard Hird

Bert Pestor

5. Joey Kennedy II

6. Mark Konen

Dave Thorne

8. Lawrence Magne

9. Paul Mayo

SEASON'S GREETINGS

DXERS in DENS

1. Bill Patterson of Dallas, Texas has been with NASWA for a year and is one of its active/satisfied members. He is married and is a electronics technician. His receiver is a Hallicrafters SX48 and he uses a longwire antenna. To date Bill had collected 51 SWBC QSLs. His main interest in the hobby, "chasing DX!:"
2. Edward J. Pyatt, whose hometown is Conway, South Carolina, but who attends the Columbia University in NYC, has been a NASWA member for five years and has always been a staunch supporter, even though serving, at times, as officer for other clubs. Eddie is single, uses a Hammarlund HQ100 receiver with longwire antenna. His main interest in hobby is listening to music, news, collecting QSLs (has 85) and pennants. He also enjoys friendly correspondence with various SWBC station personell.
3. Dick Hird resides in Belmont, Mass. and attends Boston University where he is a freshman. In his first year with NASWA, he is single, has an inverted L longwire antenna hooked to a DX150 receiver. He likes to DX and QSL the low power/rare stations of Africa and South America and has 52 verifications to date. Dick is a "BAD".

Bert Pestor, one of our many Canadian members, lives in Sudbury, Ontario and has been with NASWA since it began. He is now a retired merchant, married and successful. His receiver is a Hammarlund HQ145 and he uses a Mosley SWL7 dipole antenna. Over the years he has garnered 126 QSLs. He likes to listen to overseas music and learn of the cultures of other countries and peoples.

Joey Kennedy II is a young southern gent from Houma, Louisiana. He is 15 and a student. A newer NASWA members, he already has 29 SWBC QSLs and is fast becoming an avid DXer. His receiver is a Carnegie six-band transistor and his antenna is a longwire. Joey is very active in the various idioms of "Unity and Friendship".

Mark Konen is a resident of Mequon, Wisconsin. A high school junior, he is single. Using a Hallicrafters SX71 receiver and longwire antenna, he has collected 78 QSLs so far, many from African and midEast countries. He is especially proud of those from Chad and Gambia. Mark has been with NASWA for a year and reports frequently. He also does a column for ASWLC called 'Konens Korner'.

Dave Thorne comes to us from Santa Ana, Calif., and is a married man who is an orthopaedic technician by vocation. He has been with NASWA going on two years, is the bulletin manager for SPEEDX. His main interests in the hobby are SWLing and DXing as well as QSL collecting (he has 62 at present) and he tunes the BCB as well as UTES. His rx is a Drake SW4A and his antenna is longwire, plus a vertical.

Larry Magne resides in the "City of Brotherly Love", Philadelphia, Pa. He is married and is a systems analyst. With NASWA for two years, he has been active right from the start and has already gained a reputation of being a most reliable DXer. His receiver is a Drake R4B, and antenna is a JoyStick (Larry lives in an apartment). Interests in the hobby include clandestine stations, unusual veries, learning from and try to help others in the club/hobby. He has accumulated 91 SWBC QSLs to date.

Paul Mayo, Brooklyn, NY. recently rejoined NASWA after an absence. He is a college student, single. Receiver is a Hammarlund HQ180AC and antenna is clubical quad(AhO). Interested in SWBC, ham radio, photography and music, he is primarily concerned with Utilities these days as he is the editor for UTE section of SPEEDX.

LOUDENBOOMER REPORT  
"CHARLIE MEETS SANTA CLAUS"

Twas the night before Christmas and I was in bed.  
 Not a signal was stirring; The bands were all dead,  
 An eight foot long stocking was hung, quite a trick,  
 Next to the chimney, to fit a JoyStick.  
 Ole Charlie was snuggled up tight in his bed  
 And visions of veries dand through my head.  
 I wore a new nightcap, I looked rather slick  
 With built-in earphones, I dont miss any bit.

When up on the roof there arose such a racket,  
 Like my sixty foot tower has slipped from its bracket.  
 I ran to the window and opened it wide;  
 I shivered and peered real intently outside.  
 The moon on the crest of the new fallen snow  
 Disclosed a terrible scene down below.  
 A twisted antenna and eight tiny deer,  
 And a little old driver with beard down to here.

He whistled and shouted so furiously,  
 Whilst busily trying his reindeers to free.  
 My tower, I realized, quicker than quick,  
 Had just 'shot' down an ex-jolly St. Nick.  
 I drew in my head and was calling my lawyer  
 When a bedraggled Santa burst into my foyer.  
 How his eyes they glittered as he muttered a vow,  
 "I'll sue you Loudenboomer, for sixty-nine thous!"

Red-faced with rage was the chubby old fellow  
 Who shook when he yelled, like a bowl full of jello.  
 A stump of a pipe he clenched tight in his teeth,  
 While oaths seemed to circle his head like a wreath.  
 With placating words, I offered a 'cup'  
 Of good Christmas cheer that he promptly drank up.  
 The with complaint that I was a jerk,  
 He went to the chimney and started to work.

"No JoyStick for you" he said with a hoot,  
 And filled up my stocking with ashes and soot.  
 Then landing a clout alongside of my nose,  
 And giving a nod, up the chimney he rose.  
 He sprang to his sled, his reindeer untangled,  
 Though still from one runner, my antenna dangled;  
 He shouted out clearly, "S-9 reception,  
 Merry Christmas to all, with just one exception!"

I heard him exclaim as he drove out of sight,  
 "Wait till next year Charlie, I'll fix you up right!"

C.L.

\* \* \* \* \*

The above was one of the very first efforts our boy Charlie did for NASWA. I has now become his traditional December report and has appeared in this months bulletin since 1967. We know the oldtimers always enjoy reading it and we are in hopes our new and younger members will find it as entertaining.

MERRY CHRISTMAS TO ALL FROM LOUDENBOOMER!!

ANARC REPORT

HOBBY SPECIALTIES: To remind NASWA members, our club is devoted exclusively to short wave broadcast stations on the air for general public benefit. Those of you having other interests in the fields of utility, Ham, FM, TV, MW, or other, may write to ask for names and addresses of clubs which cater to these fields.

GALE RESEARCH PROJECT: With popularity of our hobby growing, ANARC is honored to be listed in the next issue of a Gale Research Institute publication entitled: New Associations and Projects (NAP). This is a quarterly supplement to the ENCYCLOPEDIA OF ASSOCIATIONS, a major reference work found in most U.S. and foreign libraries, as well as many business organizations. ANARC will be listed in the main volume to be published during 1972.

CANADIAN DX CLUB GPOWS: Club des DXers du Quebecs (CDXQ), a new French language oriented DX club has submitted application for associate membership in ANARC. A L'ECOUTE is the monthly bulletin. Association to ANARC will be considered when clubs have acquired 50 or more members.

NEWARK NEWS RADIO CLUB: For benefit of those who are also members of this club - until further notice all mail for NNRC should be sent to Corresponding Secretary, Harold Williams, 32 Smith St - Apt 3-W, Seymour, Conn. 06483. Since its inception in 1927, NNRC has used the address and name of the Newark Daily News for mail purposes. This newspaper may be discontinued and thus the necessity of address change.

FREQUENCY RECOMMENDATION COMMITTEE: Experienced DXers are invited to assist this committee in its worthy purpose. All geographic areas of North America are solicited. Please address your offer of assistance to Chairman of the FRC, Mr. Glenn Hauser, PSC Box 42309, Kelly AFB, Texas 78211.

AWARDS COMMITTEE: Mr. Dan Ferguson, Chairman of the Awards Committee invites members to contact him whenever they desire to nominate persons for special recognition. Perhaps you know someone who has made an outstanding contribution to our hobby. Also keep in mind that nominations will soon be solicited for the 1972 ANARC Man of the Year. Dan's address is:

1972 CONVENTION: At this writing, three locations have been considered for the site of the 1972 convention. These locations are Quebec City, Coral Gables or Miami, and Boston. Convention 1971 was such a rousing, smash success and such fun that we MUST follow through with at least as much for 1972. Every age group was represented in the 50 plus persons who attended this past summer. Start saving your \$\$\$ now - begin collaboration on car pools. This editor plans to go, but don't let that stop you - Hi. In addition, if you believe that you could swing a pretty fair convention, just write the Conventions Committee Chairman, Mr. Serge C.P. Neumann at Scheidler Apts #286, Muncie, Indiana 47304. It's easy to host a convention.

MIDWEST DX CLUB: This organization now has 155 members and will be represented by two delegates in ANARC.

IN MY HUMBLE OPINION: There is nothing more ridiculous than hearing "Your Cheating Heart" sung in Czech over Radio Prague.

And best 73 to you all,

Edward C. Shaw  
415 North Shore Road  
Norfolk, Virginia 23505

Who, or what is ODDX?

NOMINATION FORMS (1)BOARD OF DIRECTORS (2)MAN OF THE YEAR

While it is not mandatory that all members nominate others for office or recognition per above, we would like to see majority do so. It is suggested that all members read that part of the NASWA constitution which deals with Board of Directors so as to know the functions and duties performed by said office. The MOY (Man of the Year) is not an elected office, it is a distinction given a regognized member who has served the club over and above the average member via reports, support, work and other idioms of benefit to the club. He is awarded a suitable plaque in appreciation. Kindly fill out the following forms and return to club Hdqs so as to arrive no later than January 1, 1972. Nomination forms received after that date will be invalid.

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NOMINATION FOR BOARD OF DIRECTORS '72/74 TERM

I, \_\_\_\_\_, as a member in good standing of the North American SW Assn, wish to nominate the following fellow member(s) to serve on the Board of Directors during the 1972-74 term. I deem him/them worthy of office.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Note: You may nominate one, two or three members for office, but it will be up to that individual as to whether or not they agree to run as candidate for office. Each member who is nominated will be asked via Hdqs if he/she wishes to be listed as candidate. Those consenting will have names appear on ballot form which will be sent : NASWAers as part of upcoming bulletin.:

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NOMINATION FOR "MAN OF THE YEAR 1971"

I, \_\_\_\_\_, as a member in good standing of the North American SW Assn., wish to nominate the following fellow member for the award of 'NASWA Man of the Year 1971'. (Nominate one member only!)

\_\_\_\_\_  
(name of nominee)

My reason for nominating this fellow member is: (Use other side if more space needed)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note: The MOY is not elected by the general membership as is the BOD; Rather the nominee's are all listed, along with reasons given by members nominating and one of them is selected by Board of Directors and Executive Editor.

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NOTES & NOTICES, TIMELY & IMPORTANT

The January and the February editions of Frendx will be published by our standby Hdqs in Norfolk, Virginia wherein Ed Shaw is in charge. This is not brought about by any emergency, but simply due Ed feels, and 'old bill' agree's that Altoona Hdqs is in need of a 'breather' if only for the holidays. All editors have been alerted and all are sure to cooperate so that there will be no delays, no foul ups. Too, you can look for a new 'dressing' for the bulletin as we will be using a new masthead on the front page. In case you want to know, it was 'concocted' by "Uncle Bill and Cousin Ed. We do hope you will approve of it becuz it will be used henceforth. Let us know what your opinions are (as if you wont. Hi!) Anyhow, repports go to the section editors per usual...so get in there and make sure we have 'meaty' editions for the next couple of month during the 'heat' of the DX season. Thank you!.....We want to humbly thank and acknowledge contributions from Werner J. Selby and Donald D. Dickey, both had their reasons and sent added money when they renewed membership for another year. We are most grateful gents. By the way Don, thanks for Herman too!.....This month our fellow-club, the ASWLC, celebrates an anniversary (13th) and officials therein, August Balbi "Dean of DXers" who is a NASWA member first rate, and Exec. Editor Stewart MacKenzie, add another birthday to their former. Our plaudirs and thanks and congrats to all three.....Yu will take note that there are photo's in this months SWC section. We want to give full credit where it is due, thus thank Bill Mathews for these extras. He paid for them out of his own pocket. Good show Bill, and many thanks! (Incidentally, this might be a good time to mention, there are many instances that certain of the individual section editors pay for 'extras's' out of their own pocket. Most times the members never know about it, therefore think nothing of it, give no thnks, show no appreciation. Hereto HDQS says, count your blessings fellow member...you aint never had a better bunch of friends working for you!!!!!! Alot of what you get via our bulletins are given you free, but only by sweat and heart of friends you probly dont even know you have. Think about it. And remember, NASWA does not claim to be the only club with such men giving and working behind the scenes..most all clubs have some such. Yes, my friend..it takes all kinds!.....Orders for 1972 WRTH are coming in at a fairly good pace; We didnt expect therewould be so many, but evidently a number of members remembered NASWA has, year after year, tried to get a good price for them. In this instance, mutual friends/members made it possible. So, if you want to order a copy of the 1972 edition WRTH, and have not yet done so...last call..if order gets to Altoona Hdqs no later than December 15, we will accept it. Price is \$5.95 (that is a dollar off list price!).....Hdqs made mention of 'nasty mail' being received of late in regrad to the last two beulletins(bulletins!) being late, well we have been pleased with even more mail, opposit of 'nasty' telling us to ignore, throw in file 13, those letters that only contain gripes, complaints, etc. This we would do, but since we are a democratic organization, we let everyone speak their mind..even if we dont agree with them or at times pay any attention to them.....Remember that little 'Funtest' we had in the September bulletin? Well, even though there were 81 entries, none came up with perfect score. Good thing we were not offering prizes. Hi Hi!.....

GIFTS

Many times the club receives donations in money or mint stamp or IRC forms, from certain members who wish to help in ways they best can. Such gifts are always heartily and gratefully accepted and put to good use. But there are other gifts too, gifts that the average member do not consider as such, cannot comprehend as such. These are the reports, the articles, the tips, news, data sent the amany/varooius section editors.. Without these there would be less pages in our bulletins, alas could be there would be no bulletins, for these are the most vital gifts of all. Without them it would be a difficult task for the club to continue. These then are the gifest NASWA solicits. but every of them aforementioned are sincerely received. So let yourself dwell on those gifts, all of giving, and remember that the most humble are the most necessary for good of our bulletins. They need not be worldly nor fancy, they need only be of use and of worth to other members. Remember, what you may think trite/insignificant, may be just what some other fellow-member is seeking, has been looking/waiting for. B.E.



RNE'S NEW VOICE - NOBLEJAS, SPAIN  
(continued)

means of a switching grid; two transmitters may feed the same aerial, thus giving a power of 700 kW on the required frequency. A central building houses the transmitters, the coaxial switching installation and two dummy aerials; space has been left for the installation of two additional transmitters of the same power. The station is supervised from a control room which dominates the transmitter hall, and which is equipped with frequency synthesizers and electronic memories. From a large control desk illuminated diagrams display the arrangement of interconnections between transmitters and aerials at all times.

The programmes are monitored in a subicle above the control room. They are sent from the Radio Nacional de Espana studios in Madrid by means of a 7-GHz radio-relay link and are distributed to the various transmitters as required. The volume of these signals is monitored by pen and magnetic recorders with a view to later analyses and verifications.

The transmitting station is supplied with electrical power by two 46-kV lines and a 7.5-MW substation. A second transformer unit supplies low-voltage loads; the connections and protective arrangements are operated by a remotecontrol system. The residential accommodation, adjacent to the transmitter building, includes test-rooms, a kitchen, and a dining room for the use of the technicians.

The Noblejas transmitting station is backed by a consortium of Spanish and foreign companies, under the direction of the Technical Department of the Broadcasting Authority, and will be used primarily for transmissions to Central and South America although other programme transmissions directed at Central and Eastern Europe are also envisaged.

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KGEI - LA VOZ DE LA AMISTAD  
Edward J. Insinger

Radio Station KGEI, "The Voice of Friendship," has its shortwave facilities located in Belmont, California for the purpose of broadcasting to Mexico, Central and South America. Programs are broadcast in Spanish, Portuguese and English; being sent out via a 50,000 watt GE HF transmitter and a 250,000 watt custom-built HF transmitter, offering frequency capabilities between 6 and 21 MHz. It is interesting to note that KGEI delivers up to 5,000 micro volts/m to most areas during optimum propagation periods.

KGEI operates from 2230 to 0500 GMT on 15.280, 11.955, 9.695, and 9.670 MHz. Their programming is defined in purpose as "to be a window through which listeners see Jesus Christ." Actual program elements include education, culture, information and spiritual, which are capable of being picked up by some 55 million shortwave sets. KGEI listeners that write to the station in greatest numbers come from Mexico, Argentina, Brazil, Colombia, and Guatemala, of which 80 per cent are under 30 years of age.

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ODDS AND ENDS 1971

Ralph Perry notes that there are avid stamp collectors working at Radio Mogadishu. With his QSL came the note "...Since we have several stamp collectors at the Radio, could you please send us .. any US commemorative stamps in order to distribute them to our staff members. Thanks a lot." Now is OUR turn to do a beasting station a good turn!

UPI reports in the Columbus Dispatch that the Swan Islands were given to Honduras in November - good bye Radio Americas! Also noted was a report that RNI broke loose from its moorings and drifted toward the Dutch coast in a severe winter storm. It was towed back to its proper location and continued broadcasting.

Ringin in the new in 1972 - NASWA

AUSTRIA CALLING

William A. Matthews

"This is Austria calling. The Shortwave Service of the Austrian Radio ..." is the call which reaches hundreds of thousands of shortwave receivers around the world each day. Known officially as the Oesterreichischer Rundfunk, this broadcasting organization was a pioneer in radio, beginning transmissions in 1926 on 49.4 meters (approximately 6070 kilohertz) with 300 watts from the Vienna-Rosenhuegal Station.

During the period 1928-1937, the ORF broadcast the "National Service" from a mobile transmitter. Programming consisted of news bulletins, music, reports and commentaries for one hour four times a week. The Second World War interrupted the progress of broadcasting in Austria, as the facility was controlled by the German Nazi Ministry of Propaganda. Following the end of the War, various Allied stations operated within the country, among them a revitalized "Austrian Radio" Four 400 Watt shortwave transmitters were utilized in the 49, 41, 31, and 25 meter bands for Europe.

February 1955 brought a series of specific broadcasts in English and French for foreign listeners (previous language programs had not been designed with this specific purpose in mind). In May of the same year, broadcasts from the transmitters at Kronstorf and Bisamberg (4000 and 300 watts respectively) enabled European listeners to hear coverage at the signing of the Austrian State Treaty. The eleven year sunspot cycle provided a fine opportunity for the station to cover the Americas and in 1956, the Fleckendorf Station was leased from the Austrian PTT. This 20,000 watt outlet operated on 25615 and 25945 kilohertz.

The beginning of the new decade saw the development of two new transmitter sites. Moosbrunn began operation with one 50 kilowatt transmitter and five 200/300 watt transmitters. Aldrans carried the Home Service program on its 200 watt transmitter on 6000 kilohertz. In addition, new omni-directional aerials carried the Medium Wave program (relayed by Moosbrunn) to Europe and the Middle East. During the spring of 1961, additional advances were carried out. The Short Wave Service began its own program production and received special studios for this purpose. The Kennedy-Khrushchev Meeting in June provided the opportunity for the first live reports (in German, English, French, and Russian). Provisional directional rhombic aerials were placed in operation at Moosbrunn directed to North America, South America, South Africa, India/Indonesia, Australia/New Zealand, and Japan. Facilities from Radio Austria A.G. at the Deutsche-Altenburg Station were leased to provide a 10 kilowatt transmitter for North American service.

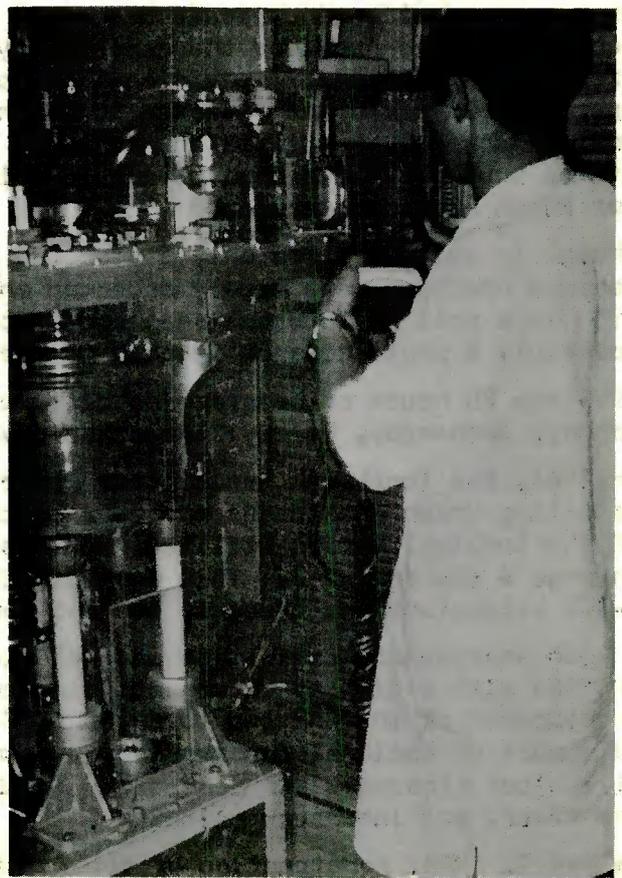
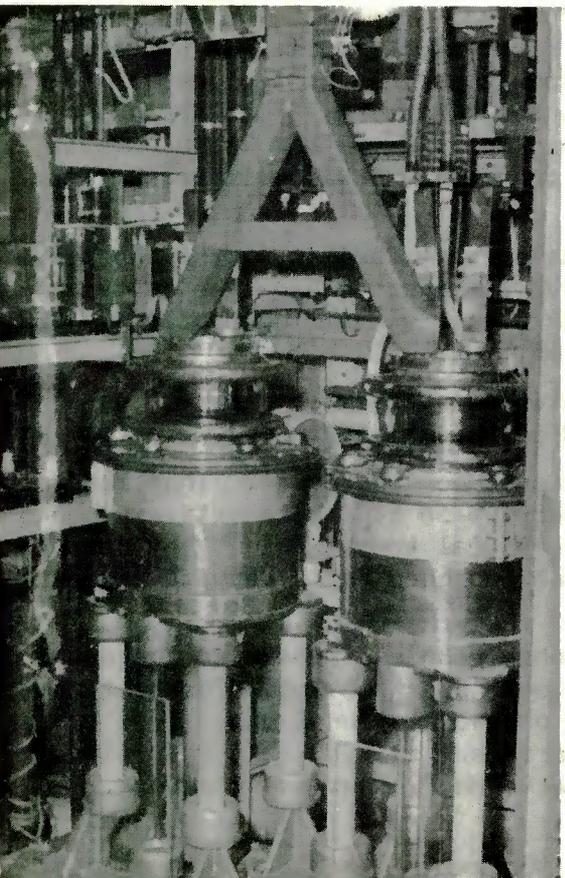
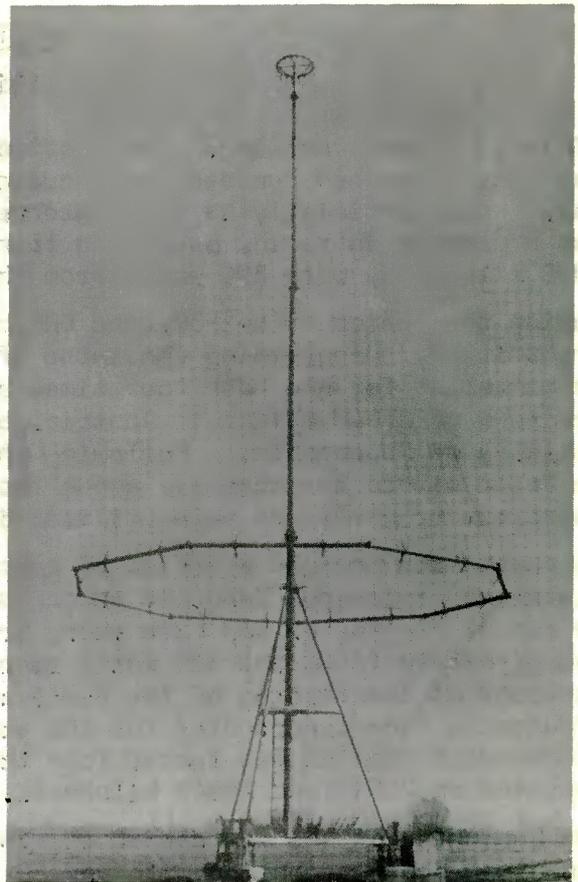
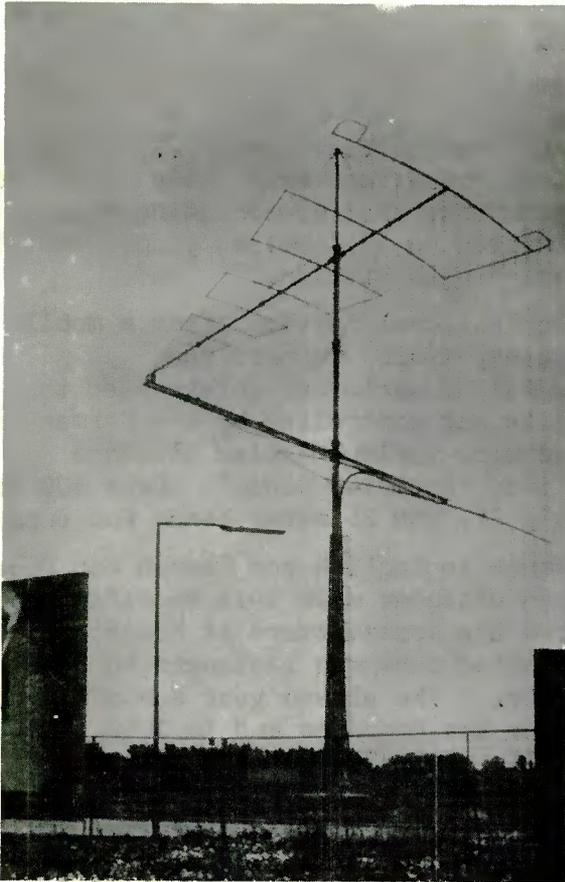
Though in existence for only a year (as a separate program facility), the Shortwave Service programs were widely accepted and shortwave listeners placed the Austrian Radio 17th in a poll of international radio stations, in a special poll conducted in 1962. Certainly a rapid advance in such a short period of time.

1963 saw 20 hours of programming daily with directional overseas broadcasts on Monday, Wednesday, Friday; the other days devoted to radiations to Europe.

In 1964, the Innsbruck transmitter power was increased to 1000 watts. This facility is better known as Aldrans and carries the Home Service on 6000 kilohertz. A photo of the tropical aerial utilized for these non-directional transmissions may be seen on page 4 photograph 2. This aerial emits a signal designed for a service range 0-300 kilometers and there is no dead zone.

A 40th Anniversary Exhibition was held in the Vienna Technical Museum in the autumn of 1964 with a display of objects concerning shortwave broadcasting. The continual development of the ORF led to a total of 56 hours omni-directional and 101 hours directional for overseas transmissions per week by 1965. At that time, five sites broadcast ORF programs: Moosbrunn, Fleckendorf, Deutsch-Altenburg, Kronstorf, and Innsbruck (Aldrans).

On May 1, 1966, construction of the first part of the permanent building at the



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AUSTRIA    CALLING  
(Continued)

Moosbrunn Transmitting Center. Two 100 Kilowatt Telefunken transmitters were placed into operation. During 1966, output increased in total hours per week to the following: 119 hours omni-directional for Europe, 147 hours directional transmissions for overseas areas. All transmissions became daily and the program alternating, begun in 1963, ended. New reversible rhombic aeriels made coverage of the Middle East and Central America possible.

A tremendous program of expansion was proposed and adopted by the Austrian Government in 1966. The law was effective in 1967 and stated:

Rundfunkgesetz (Broadcasting Law), 3.(1)

Furthermore, by authorization and payment of the Austrian Federal Government the Austrian Radio is obliged to provide an adequate external service on short-wave

After the passage of this law, planning was begun on new and more powerful (250/500 kw) transmitters as well as high-gain curtain arrays. The projected total cost of expansion: 232 million A.S.

On the first of March, the third 100 Kilowatt transmitter began operation from Moosbrunn. Weekly overseas broadcasts now totalled 136 hours, compared to 147 in 1966. May 5th...a logarithmically periodic horizontally polarized aerial (turnable) was placed in service for sectional coverage to Northern Europe, the Middle East, and North Africa. The Kronstorf Station was closed on November 5, 1967, while Fleckendorf and Deutsch-Altenburg Stations ended emissions later in the same year. By Christmas of 1967, the 4th 100 kilowatt transmitter was ready for use at Moosbrunn.

Additional transmissions from the logarithmically periodic aerial were carried out in March 1968. These beams were to Europe (directional to North, East, South-East, South, and West) and to parts of North Africa. During the crisis in Czechoslovakia, the four 100 kw transmitters were used simultaneously and special news was re-transmitted from domestic services.

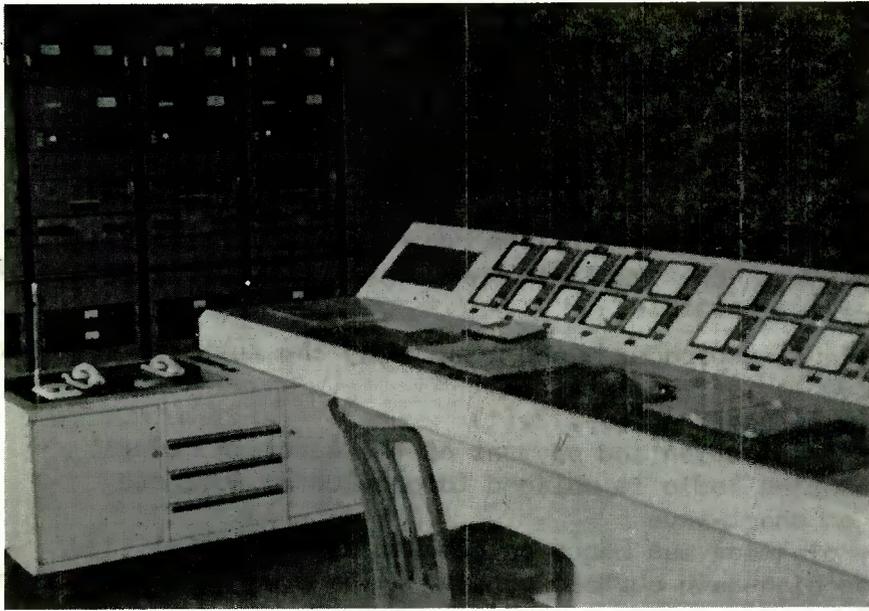
On the 1st of January 1969, the Moosbrunn Transmitting Center began regular operation with all 4 transmitters of 100 Kw. The Shortwave Service had reached the following total of daily transmitted hours: directed to overseas target areas...76 hours Domestic service via Aldrans...19 hours. A size of the listening audience can be gained from the number of reports received. During the period D(1968), that is, from November 3, 1968, to March 2, 1969, 8088 shortwave listener reports were received from 72 countries.

The program content had an interesting make-up - - on the average, 46% was spoken word, while 54% was musical selections. Continued technical expansion resulted in service to East Africa via the logarithmically periodic aerial. The requests of the DX "community" were met in 1969 with the beginning of the German DX-program every second Sunday at 1930 GMT (since expanded). The number of reception reports increased to 10,384 during the period D (1969), May 4, 1969, to September 7, 1969.

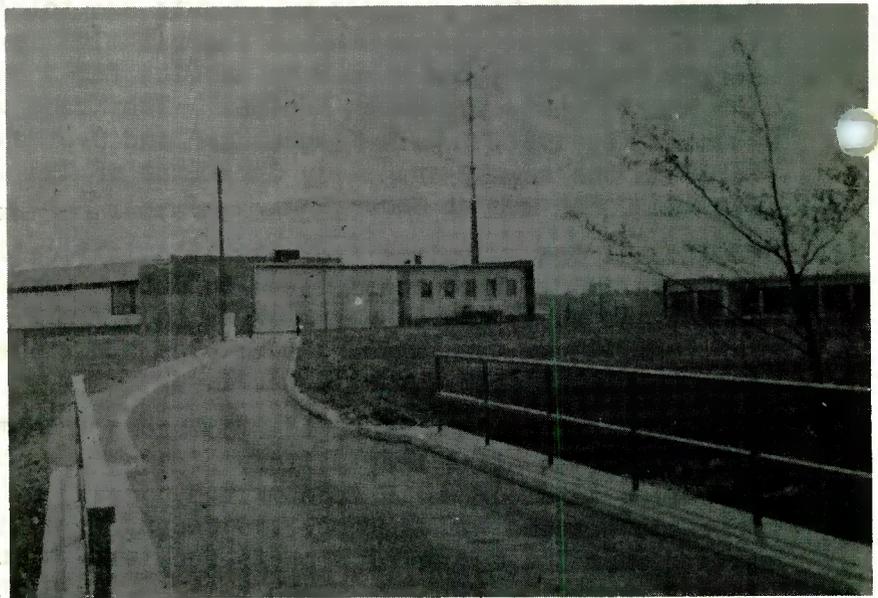
The logarithmically periodic antenna at the Moosbrunn Transmitting Center can be seen on page 4 photograph 1. In addition, the inside of one of the 100 Kilowatt transmitters can be seen in photograph 3 on the same page. A High Frequency Technician is checking the equipment in photograph 4.

In 1970, broadcasts of the DX Program began on a weekly basis (each Sunday at 1100 and 2110 GMT). "Report From Austria" in German, English, French, and Spanish was broadcast five times per day (each language). Finally in 1970, the beginning and ending of all transmissions were only on the even hours GMT (with the exception of 2300 GMT).

The Technical Department of the Austrian Radio is always quite interested in



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AUSTRIA CALLING  
(Continued)

reception reports from listeners within the target area. For the past several years, transmissions to North America have been aired on 9770 and 6155 khz. and the station is always interested in observations dealing with these channels. Correct reception reports are verified with verification cards picturing scenes in Austria. This advance came after several years of using the same format card.

Developments in 1971 include the adoption of the Austrian Radio's new Information Statute, which came into force on July 1, 1971. This law obliges the Austrian Radio to provide the general public with objective information in the form of news bulletins, reports, commentaries and statements, and official comments and objective criticism. The general welfare of the Austrian people must be maintained and the image of the country must be preserved abroad. This is done in the context of freedom of information and opinion, which is a constitutional guarantee. A listener to the ORF will discover that the current programming is admirably achieving these standards. A recent schedule shows the following program highlights (English broadcasts only)....a talk on the Austrian economy, Report from Austria, an Austrian musical trip, classical music, contemporary musical selections, folk music, and more. The Salzburg Festival of international fame was well covered this past summer in a series of programs.

The programming personnel constantly seek improvement and welcome comments from listeners. Photograph 3 on page 6 pictures the staff of the Shortwave English Section. They are: David Hermges (spectacles), Editor, and Deputy Editor David Wilde....with (left to right) assistants Ann Bowers, Olga Hardy, and Elizabeth Blane.

Also pictured on page 6...photograph 1 - a control panel for the High Frequency transmitters at Moosbrunn and (2) the view approaching the Moosbrunn site.

I wish to express my thanks to the Austrian Radio for their most kind assistance in making this article possible. Special appreciation is extended to the Technical Department for providing the photographs as well as information concerning the more technical side of broadcasting aspects for this article.

W. A. Matthews

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One last note....the Austrian Radio is quite aware of listener requests and requirements. It has sent representatives to the DX Parliament in Sweden in recent years.

Your comments regarding this excellent broadcasting service can be sent either to the Austrian Radio-Shortwave Service in Vienna.....or to the Austrian Embassy in your nation (only comments - send reports only to Vienna!). The Embassy address in the United States is:

AUSTRIAN EMBASSY  
2343 Massachusetts Avenue, N. W.  
Washington, D. C. 20008

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HAPPY HOLIDAYS 1971

Luanna and I wish to take this opportunity to wish all NASWA members and friends around the world the very best of good wishes for a joyous holiday season. May 1972 bring peace, prosperity, and health to all.

SEASON'S GREETINGS

SEASON'S GREETINGS

MALAWAI BROADCASTING CORPORATION

Broadcasting in East and Central Africa has developed over many years. At the time of the Federation of Rhodesia and Nyasaland, the countries now known as Malawi, Rhodesia, and Zambia, were served by the Federal Broadcasting Corporation based in Salisbury.

When the Federation was dismantled in 1963, it immediately became necessary to set about the creation of separate organisations to serve the needs of the three new units. In Malawi, the problem was particularly acute as the only basis on which to build was the small studio center at Blantyre. From an early strength of one small studio and a few dedicated broadcasters (most of whom are still with the Malawi Broadcasting Corporation) the service has grown steadily.

Radio Malawi was officially founded at the end of 1963 and established as the Malawi Broadcasting Corporation by the Act of Parliament later in 1964. Once the service had been established, and the voice of Malawi began to grow and be recognized, the main priority became to ensure that the programs should reach the great mass of the people. To reach the goal, the following transmitter development was accomplished... (details of the medium wave changes deleted)

1964 1 transmitter at Zomba

1965 The 10 Kw. transmitter at Zomba moved to Ngumbe

1966-1968 Medium wave advancement

1969 An additional 20 Kw. transmitter installed at Ngumbe

1970 A 100 Kilowatt transmitter installed at Ngumbe

1971 Total transmitters in use: MW-7; SW-3; FM/VHF-5

The station is proud of its West German 100 Kilowatt transmitter which was formally opened by His Excellency, the President, Ngwazi Dr. H. Kamuzu Banda on July 3rd, 1970.

The original studio at Blantyre were supplemented by facilities at Lilongwe, Zomba, Chileka Airport, Karonga, Mzimba, and Fort Johnston.

Output of the MBC has increased over the years - from 56 hours per week to 127 hours per week in 1969. Special broadcasts which have taken place over the years include ... the visit of Emperor Haile Selassie in 1965, the Celebrations marking the declaration of the Republic of Malawi in 1966, and in 1968 the first two-way broadcasts from Europe.

The station has declared, "The technical coverage of the country by transmitter and studio networks will all help too in one of the great challenges facing us as broadcasters. The standardisation of language is an undertaking in which the broadcasting organisation is ideally qualified to play a leading role. The challenge to M.B.C. is to fight for the true standard for Chichewa and the broadcasters of Malawi are fully aware of the privilege they have to be among the standard bearers in this battle."

Malawi Broadcasting Corporation  
via Steven d'Adolf

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RADIODIFFUSION NATIONALE GUINEE

Africa Confidential reports that President Sekou Toure of the Republic of Guinea has had an extensive purge of his "Parti Democratique du Guinea". One of those relieved from duty was Cisse Fodee, Controller of Radio, the same man that signed the only verifications from Guinea in the past 10 years or so. The new management may now be more willing to verify reports, as it appears that M. Fodee was responsible for Conakry's non-verification policies.

\* \* \*  
via Ralph Perry

QSL REPORT  
QSL REPORT

Verification Info/Facts/Data

Verification Info/Facts/Data

QSL REPORT  
QSL REPORT

Report forms and ScoreBoard forms may be had for IRC and selfaddressed envelope.  
Foreign language report forms may be had for IRC each and self addressed envelope.  
Write to QSL Editor or to HDQS, request will be properly forwarded for service.

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SCOREBOARD

As our September Scoreboard stencils went astray, the spotlight will again this month shine on ASIA. The next Scoreboard will appear in the March 1972 issue when we will spotlight feature QSLs from Europe.

N°.	Name/Location	HIC	VIC	HIS	VIS	ASIA		Trized QSL/Freq.
						HIC	VIC	
1.	Don Jensen, Wisconsin	203	200	---	---	58	56	Dili, Timor, 3268 kHz
2.	Bob Padula, Australia	199	190	---	---	58	55	Burma, 5040 kHz
3.	Gerry L. Dexter, Wisconsin	197	194	670	646	55	52	Radio Sanaa Yemen 5605
4.	Barry Williams, New Zealand	196	187	---	---	60	55	Quetta, Pakistan 3915
5.	Bill S. Sparks, California	192	188	---	526	55	55	Dili, Timor 3268 kHz
6.	Marlin A. Field, Michigan	188	182	651	517	49	44	RRI Sorong 4872 kHz
7.	James W. Young, California	188	131	---	---	---	---	-----
8.	Ernest S. Behr, Ontario	188	123	655	180	52	33	Radio Brunei 4865 kHz
9.	Alan H. Roth, Connecticut	186	166	499	383	55	55	Voice of Goa, 15385
10.	Dan Henderson, Maryland	182	155	---	---	53	40	ZBW5 Hong kong 3940
11.	Marvin E. Robbins, Nebraska	182	152	676	363	---	---	-----
12.	Alvin Sizer, Connecticut	181	166	554	235	48	40	RRI Pakanbaru 5845
13.	Dr. T. B. Williamson, Ont.	180	168	---	389	---	---	-----
14.	Edward Shaw, Virginia	178	155	---	---	48	41	Radio Hong kong 3940
15.	Gregg A. Calkin, Canada	175	159	---	---	38	29	Voice of The F.U.H.K.
16.	Hiroatsu Matsuura, Japan	167	152	---	---	47	38	Em. de Goa, 21580 kHz
17.	Jerry Berg, Massachusetts	166	153	---	---	---	---	-----
18.	Bill Flynn, California	---	164	---	390	---	---	-----
19.	Serge C.F. Neumann, Indiana	163	146	---	---	---	---	-----
20.	Dan Ferguson, West Va.	---	160	---	---	---	46	-----
21.	Ralph Ferry, Illinois	158	138	---	---	---	---	Radio Thailand, 11910
22.	Craig Koukol, Illinois	158	130	---	143	42	29	Radio Nepal, 11970 kHz
23.	Arthur Foulis, Massachusetts	154	113	---	---	40	26	Radio Nepal, 11970 kHz
24.	A. E. Martin, England	153	124	---	---	43	28	Burma Bc Sce, 5040
25.	Kris Lemna, Indiana	153	116	---	---	29	17	-----
26.	Mike Macken, Massachusetts	153	92	---	---	30	9	Radio Pakistan 17945
27.	Bob Brode, California	151	94	391	122	47	22	AFAT Taiwan 3990 kHz
28.	Del Hirst, Texas	150	104	341	108	44	26	RRI Sorong 4872 kHz
29.	Bruce W. Churchill, California	147	121	---	---	48	38	Radio Nepal, 4600 kHz
30.	Bill Martin, Delaware	145	86	---	---	---	---	BBC Cyprus 7140 kHz
31.	Danny Jamison, Virginia	145	64	262	81	---	---	-----
32.	Terry Adkins, California	144	68	258	100	41	25	RRI Sorong 4872 kHz
33.	Chris Lobdell, Massachusetts	141	120	300	202	37	29	Doha, Qatar, 9570 kHz
34.	Mike Ryan, California	---	134	---	---	---	---	DZI7 Manila, Philipp.
35.	Al Reynolds, North Carolina	131	91	231	104	31	26	Hsk9 Thailand 11910
36.	Richard Anderson, Illinois	130	115	---	160	33	31	Doha, Qatar 9570 kHz
37.	Jim Zabransky, Illinois	130	108	---	124	27	19	Radio Ceylon, 17830

58. Tom Neely	126	107	---	---	29	22	Radio Wewak, 33
59. Bill Eddings, Pennsylvania	122	103	168	151	28	21	Ulan Bator, 10885 kHz
60. Paul Mayo, New York	120	51	140	55	26	6	VOFC China 17690 kHz
61. Edward F. McLwain, Colorado	119	82	--	98	31	18	Syria, 15165 kHz
62. Steve Kamp, Texas/California	118	105	263	178	30	24	Daru, 3305 kHz
63. Henry Michalenka, Rhode Id.	117	101	166	118	24	18	Baghdad, Iraq, 9610
64. Rick Charnes, Massachusetts	117	73	176	85	26	16	R. Pakistan, 15365
65. Andrew Pappas, Illinois	116	98	116	94	--	--	-----
66. Richard L. Murphy, Texas	116	92	---	---	34	21	Radio Sabah, 4970 kHz
67. Michael Seth, New York	116	73	253	81	--	--	-----
68. George Schnabel, New York	113	90	---	---	24	17	-----
69. James S. Hurst, Maryland	112	95	161	132	--	--	Radio Kabul, 15265 kHz
70. David R. Alpert, Illinois	112	93	---	---	19	14	Radio Amman, Jordan
71. Thomas Henry, New York	111	76	174	86	--	--	-----
72. John Zaharek, Connecticut	110	99	184	139	23	20	Radio Kuwait 21685 kHz
73. Wesley Huggins, N. C.	110	90	230	160	20	13	RRI YDS6 4900 kHz
74. Greg Kelley, Virginia	110	88	130	75	--	--	-----
75. Edward Kusalik, Ontario	109	92	110	92	--	--	-----
76. Steven P. d'Adolf, Mass.	109	79	135	97	33	22	BFBS, Singapore 5010
77. Mario A. Sala, California	109	65	152	71	--	--	-----
78. Mike Watman, New Hampshire	107	84	147	107	25	14	Voice of Vietnam 15005
79. Gary S. Goltz, Penna.	107	79	142	90	27	21	VOA/Okinawa 7320 kHz
80. Richard S. Heggs, B. C.	106	88	150	104	24	21	R. Sarawak, 7160 kHz
81. John T. Soneff, Louisiana	106	86	203	101	19	15	-----
82. Irwin Glasberg, I. Q.	105	92	169	114	22	20	Radio Amman, 15170 kHz
83. Jerry L. Green, Virginia	105	81	132	81	23	15	Radio Baku, 9840 kHz
84. Mark S. Konen, Wisconsin	104	64	---	---	21	14	VUNC Ryukyu Is 9915
85. John W. Hoogerheide, Mich.	104	49	---	---	--	--	-----
86. Carroll R. Patterson, Ga.	102	85	240	131	--	--	-----
87. Jerry H. Stuart, Oklahoma	100	88	150	135	12	10	FEN Tokyo Japan 11750
88. Bob Kirkpatrick, B. C.	99	75	122	81	25	16	Kol Israel, 9009 kHz
89. Brent Hailpern, Colorado	99	73	171	100	21	13	Radio Afghanistan 15265
90. Price Kagay, California	98	87	---	---	26	25	-----
91. Barry Glassberg, N. Y.	98	75	---	---	18	14	Voice of Vietnam 15015
92. Jean Burnell, P. Q.	95	76	157	105	18	12	Dacca, 11650 kHz
93. Mark Duba, Vt.	95	76	121	99	--	--	-----
94. Harold Kalkstein, Penna.	95	55	130	65	21	12	Thailand HSK9 11910 kHz
95. Kim Stenson, Vermont	94	68	128	77	--	--	-----
96. Mark Schwing, Colorado	93	73	100	79	20	12	Kol Israel, 9009 kHz
97. Leon Segal, New York	93	54	---	---	--	--	-----
98. William G. Caldwell, Calif.	91	72	---	---	15	15	Karachi, W. Pak, 11920
99. Dennis P. Driscoll, N. C.	90	60	150	85	6	2	Ankara, 15160 kHz
100. Kent Leonard, Colorado	90	38	134	58	17	4	FEN/6155, Japan
101. Thomas L. Jones, Minn.	88	59	137	74	--	--	-----
102. Robert Moser, Illinois	87	63	---	92	20	13	VOFK/Seoul 15430 kHz
103. David Volle, Illinois	86	75	130	80	18	13	VOA/Ryukyu Is/7165 kHz
104. Ron Bruns, Mo.	84	64	123	80	9	5	Voice of Turkey 15160
105. Mrs. M. Marshall, N. Dak.	83	77	117	106	13	10	Seoul, Korea 15430 kHz
106. Peter Taylor, Ontario	83	65	116	68	14	10	Beirut, Lebanon 15170
107. Bill Coleman, North Carolina	82	21	---	---	--	--	-----
108. Lawrence Scoville, New York	82	75	122	105	--	--	Voice of Vietnam Hanoi
109. John Mraz, Pennsylvania	82	61	111	71	22	9	Radio Pakistan 15325
110. Bob E. Lstand, Texas	81	79	100	79	15	14	TAU Turkey 15160 kHz
111. Peter Rudolph, California	81	62	88	64	20	10	Radio Brunei, 7215 kHz
112. Kevin Klemen, Wisconsin	81	29	116	32	--	--	-----
113. George Morgenstern, Minn.	79	47	91	54	--	--	-----
114. Ivan Grishin Jr., Ontario	78	51	---	---	14	8	Radio Kuwait 11825 kHz
115. D. J. Weber, Ohio	75	68	---	---	--	--	-----

116. John W. Banta, New York	75	63	90	72	16	11	Radio Pakistan 17945
117. Andrew Rugg, Ontario	74	64	121	105	0	7	BBC FES 11775 kHz
118. Les Gaynor, Michigan	74	62	127	76	--	--	-----
119. Edward J. Hyatt, South Carolina	74	62	89	73	11	6	Radio Tashkent 11925
120. Larry Zamora, Texas	74	58	111	76	12	7	Radio Lebanon 11965
121. William White, New Jersey	74	51	108	60	13	7	Bagdad, 6095 kHz
122. Thomas O. Clark, Ohio	72	57	60	65	17	12	Radio Kuwait 15405
123. Frank B. Aden, Idaho	72	55	--	--	--	--	-----
126. Scott Hoeller, Pennsylvania	72	41	85	47	16	4	VOFC Taipei 15125
127. John L. Kolb, California	71	59	83	67	--	--	-----
128. Robert B. Byers, Ontario	70	62	85	70	13	9	Radio Kuwait 15345
129. Audie Kaufman, Tennessee	70	51	101	68	11	7	BBC Cyprus 15420 kHz
130. Rick Loustau, California	70	43	83	47	--	--	-----
131. James Ducharme, Massachusetts	70	8	87	8	--	--	-----
132. Terry R. Hicks, Florida	67	44	83	57	--	--	-----
133. R. Stephen Dildine, Virginia	67	26	82	32	12	2	Kol Israel 9009 kHz
134. Jim Weber, California	66	45	71	47	--	--	-----
135. Guenther Tumas, Penna.	65	32	--	--	13	4	Radio Tashkent 9600
136. John Walenter, Illinois	63	49	--	--	--	--	-----
137. Geoff Oates, B. C.	62	52	78	69	17	14	R. France Asie 15430
138. Don Adams, N. C.	60	50	63	52	13	9	AIR Delhi 9912 kHz
139. Barry Thedford	60	25	--	--	--	--	-----
140. Mitchell Lewis, N. C.	58	22	73	22	7	2	Kol Israel 9625 kHz
141. Anthony Marks, Oregon	56	48	73	63	--	--	-----
142. Steven Handler, Illinois	53	46	75	61	--	--	-----
143. Bob Feritz, New York	52	47	59	53	4	2	Radio Beirut 15285
144. Angelo Coppola, Italy	52	44	65	53	8	6	Radio Japan 21535
145. Robert Ingram, Ohio	52	14	59	17	9	1	Radio Japan NHK 15105
146. Johnie Gager, Idaho	51	35	57	38	11	7	Radio Singapore 11940
147. Steven Fix, New York	50	31	88	--	--	--	-----
148. Dan Kening, Illinois	48	36	57	37	5	4	Kol Israel 9009 kHz
149. Tom Blossom, Indiana	46	33	52	37	--	--	-----
150. Robert J. Koziomkowski (N.Y.)	46	26	--	--	9	7	Radio Japan, Tokyo
151. Andy Kerr, Oregon	44	38	63	59	8	8	AFRT Taiwan 7215 kHz
152. Edward Fudman, Maryland	40	28	43	30	--	--	-----
153. Vic Argabright, Colorado	36	23	42	23	4	2	Radio Japan 21640
154. Joey D. Kennedy, La.	37	16	44	17	4	1	NHK 9505 Japan
155. Cal Cornils, California	36	35	48	44	6	6	-----
156. Paul D. Lynch, South Vietnam	36	14	40	15	17	7	AIR/India 15190 kHz
157. Mike Clyburn, Florida	35	29	41	36	3	2	VOA/Philippines 15155
158. Duane Gettings, Ohio	32	4	33	4	3	0	-----
159. Bruce Green, Ontario	27	16	32	16	--	--	-----

QSLs RECEIVED

ANGOLA: Radio Clube do Huambo, Nova Lisboa, 5060, no data card w/verie stmt only; air in 1½ months for rpt in Portuguese w/tape and mint stamps (Lobdell)

A Voz de Angola, 6175, attractive picture card of sailboats in bay in 2 weeks for mint stamps. Full data plus confirmation stmt plus sked (Perry)

ASCENSION ISLAND: BBC, 9510, card in 1 month for 1-IRC (Flum) WRC DX Award w/gold crest and red background; full data. By air in 37 days for IRC (Watman) 15260/sent duplicate reports to Ascension and London and received two Thames cards with relay site typed in from London. 2 months for each (Kaufman) 9510, 8 months by Thames card from London for report direct to island (Clark)

AUSTRALIA: VNG, 12000 kHz, usual folder card in 23 days air for cancelled Canadian stamps and SWL card. All details (Sellers)

Radio Australia, 17795/15320/21740, cards in 74, 99 and 94 days (Dickey)

VLH9, Lyndhurst, 9680, blue ABC map card w/full data; 160 days air (Watman)

- AUSTRIA: Austrian Radio, 6155, Steiermark card in 7 wks air; all details and signed. Also rcvd stamps, rpt form and sked for cancelled Canadian stamps sent (Sellers) 6155, view card w/full data and rpt forms; air in 5 months. (Lobdell)
- AZORES: Emissora Regional, 4865, ship card w/full data for Portuguese rpt direct; card and sked from Lisbon via air in 3 weeks (d'Adolf) 30 days for IRCs (Dildine)
- BOLIVIA: La Cruz del Sur, 4875, card picturing mountain and antenna tower; fqy. only, 3 weeks, for SASE (Perry)
- BOTSWANA: Radio Botswana, 4845, bird card w/verie statement and freq. filled in for English rpt and mint stamps; reply in 5 weeks air. (d'Adolf)
- BRAZIL: Ceara Radio Clube, Forteleza, 6105, letter in English in 5 weeks on 7th try. V/S: Francisco Coelho Cabral who also sent pennant and booklet on station (Field)
- Emis. Rd. Rural, Natal, 3285, card from V/S: Fernando Ferreira Barros, Director, in 2 weeks on 5th try! SASE sent (Field)
- Radio Bandeirantes, 11925, Rua Radiantes, 13-Cx. Postal 372, CEP:05613, São Paulo. Portuguese letter and pennant in 16 days for mint stamps and NASWA Portuguese report form. Airmail from V/S: Samir Razuk; mint stamps not used (Sellers)
- ZYK-2, Radio Brasil Central, 4995, letter and picture post card for Portuguese rpt and mint stamps. 37 days (Dildine)
- Radiodifusora de Teresina, 4845, letter in Portuguese and small pennant by air in 15 months. Rpted in Portuguese w/mint stamps. Appear to be making up a backlog (Lobdell)
- Radio Jornal do Comercio, ZYK-33, 15145, green and silver card w/letter from V/S: Artur S. Miranda who stated my rpt the 1st from Md. (Howard)
- BULGARIA: Radio Sofia, 9700, Bachkovo Monastery card for 3 reports w/1 IRC, cancelled stamps and SWL card in 7 wks air. All details, w/sked, pennant and letter (Sellers) 2 months seamail; 3rd in series of six (Lobdell)
- CAMEROON: Radio Yaoundé, 4972.5, 2 different map cards mailed separately each with full data for French rpt, mint stamps. 1 month seamail (d'Adolf) after 5 reports for 4972.5 (Perry)
- CANADA: CFCX, Montreal, 6005, card showing station in 71 days (Plum)
- CFRB, Toronto, 6070, 10,100 kHz, card from Clive Eastwood verifying my reception of the 10th harmonic of their 1010 MHz outlet. 7 days air for SASE and a special detailed report (Dildine)
- CKZN, St. John's, Nfld, 6160, blue CBC verification card w/date and freq. V/S: Frank Holm; 20 days for IRC (Banta) 17 days (Kaufman)
- Radio Canada 15325 kHz, new card commemorating the inauguration of new xmtrs in total of 11 days. (Sellers)
- CANARY ISLANDS: Blue qsl-program schedule w/full data typed on reverse. 3 weeks via Madrid for 1-IRC. Nice RMB pennant included (Schwing)
- CELEBES AND MOLUCCAS: After 13 months and 3 rpts, RRI Ambon verified 7140 w/RRI card, all data and letter in Indonesian mentioning my rpts and signed by A.W. Ramikin, Director. Last rpt sent in Indonesian, by registered airmail with mint stamps (Sizer)
- CEYLON: Radio Ceylon, 15120, flower p/p/card with full details; sent to the Director of Engineering as IRC thief at Colombo office was caught and prosecuted says Victor G., 3 weeks for 3 IRCs (Magne)
- COLOMBIA: Radio Em. Nueva Granada, 6160, friendly letter in Spanish for 2 IRCs and Spanish report. 2 weeks from V/S: Lucy Rodriguez C. (Howard)
- Radio Bucaramanga, 4845, personal full data Spanish letter w/pennant by air in 1 month. Rpted in Spanish w/tape recording and mint stamps. V/S: Jaime Sorzano B., Sub-Gerente (Lobdell)
- Radio Nacional sent blue card for registered rpt and mint stamps in 3 weeks (Bruns)
- Radio Santa Fé, Bogota, 4965, usual plantation card w/verie statement and pennant; air in 2 weeks. Rpted in English w/mint stamps. V/S: Luisa de Bernal (Lobdell)
- COMORLES ISLANDS: ORTF/Moroni, 7260, letter in 3 weeks from M. Satti, Le Chef d'Etablissement; 2 IRCs (Field) airmail letter in 3 weeks for 7260 from same V/S (Dexter)

CUBA: Havana, 11760, multi-colored card in 5 months airmail from Maria Montero Tiracea, Correspondence Department (Marshall) 9550, 152 days air w/propaganda magazines and papers (Flum)

CYPRUS: BBC East Mediterranean Relay, 11910, card of Parliament Bldgs/Thames in 23 days air for 2 IRCs (Marshall) 1 month via London with site typed on card (Schwing) 15420, 2 months; no IRCs (Kaufman)

CZECHOSLOVAKIA: Radio Prague, 9540, orange/green castle card w/full data (Banta) Radio Prague, 7345, cards in 65 and 62 days (Dickey) 17 days air (Dickey) 9630 in 1 month; 11990 Trosky Castle in 8 weeks air, 9630, multi-color card in 3 wks (Sellers)

DENMARK: Copenhagen, 15165, card/Aerial tower; 1 month air (Marshall) 2 wks (Taylor)

DOMINICAN REPUBLIC: HIFA, Santo Domingo, 4625, map card and travel info; 5 months and 12 days w/f/up (Heritz) color map card w/out details, tourist magazine and pennant for Spanish report and mint stamps. 104 days seamaile (Dildine)

ECUADOR: HCJB, Quito, 9710, card/antenna complex; 3 IRCs air. 21 days (Marshall) 15115, card in 11 1/2 weeks seamaile, plus sked and relig. info (Sellers)

ENGLAND: VOA, Woofferton, 15205, usual card in 18 days from v/s Anita Milauec (Sellers) 7200, regular VOA card in 3 days. No IRCs (Howard)

FINLAND: Radio Finland, 15185, headphone and map card w/full data in 2 months; no IRCs (Kaufman)

FRANCE: ORTF, 11920, night view of broadcasting building in b/w; 2 1/2 months w/full data. No IRCs (Kaufman)

GABON: La Voix de la Renovation, Libreville, 4777 kHz, brown/yellow/white map card received in 1 month for 3 IRCs w/full data and sked on back. Used NASWA French Report Form (Schwing) map card in 1 month air for French rpt w/IRC (Taylor)

G.D.R. RBI, 11690, color house card of Potsdam w/time left blank! Typed letter from Rudolf Friedel; 2 1/2 months seamaile (Banta)

G.F.R. VOA, Munich, 21560, card in 11 days from Washington (Flum)

GREECE: Radio Athens, 15425, interesting letter from A. Casmas of the Technical Directorate; full details, 6 weeks air w/sked for written English report, tape and 3 IRCs (Magne)

GUATEMALA: TGCH, Radio Chortis, 3380, letter w/out details from V/S: Prof. Raul Amileer Casasela Paz and pennant for Spanish report and 2 IRCs. 5 months air (Dildine)

GUYANA: GBS, Georgetown replied with letter in 1 month for 2 IRCs; full data and sked. 3290 kHz (Perry) 2 weeks for 2 IRCs; saying they are independent of Radio Dem. (Kaufman)

HAWAII: WWVH, 1000, map card in 10 days (Clark) 15000, Barking Sands, card in 2 weeks for no IRC (Magne) 10000, native Hawaiian and map folder card in 13 days. V/S: C.L. Trembath (Sellers)

HUNGARY: Radio Budapest, 9633, card in 80 days w/info on SW Club on reverse (Flum) yellow card w/all details plus pennant in 2 months (Sellers)

INDONESIA: Voice of Indonesia, Djakarta, 11715, card w/full details, sked, air in exactly 6 months for English rpt, SAE (not used) and IRC (Magne)

Radio Angkatan Udara, 11320, English card w/official insignia, all data, for English rpt and mint stamps. F.H. Hasibuan is the V/S. (Sizer) 11321, white new-looking card w/full data and apologies for delay from above V/S who is Duty Officer. 10 months, 12 days (Magne)

RRI Jogjakarta, 5047, verified Indonesian report, NASWA, sent registered air w/5 IRCs in 30 days w/card depicting Indonesian interpretation of cosmological order of the universe; yellow on white. They seem anxious for rpts (Perry)

RRI, Studio Manokwari, QSL letter of verification, very friendly, in English from the Director: R. Soebardi. He says mine is 3rd correct N.A. rpt; for 6193 kHz. States that recently rpted 6290 freq. rpted in SCDX and elsewhere is incorrect; still on 6193 (Perry) 9 months for 5 IRCs.

IRAN: Radio Iran, plain white card w/full veri and station insignia in 4 $\frac{1}{2}$  months. Also very nice colored pictorial book on Persepolis (kolb)

ISRAEL: IBA-Jerusalem, 6015, usual full data card for experimental fqy by air in 1 month. 2 IRCs sent (Lobdell)

ITALY: RAI, Rome, 15410, usual antenna card w/full data by seamaile in 4 months. No IRCs (Lobdell)

IVORY COAST: Radio Abidjan, 11920, blue/black map and antenna card w/full data and penned note in English thanking me for the rpt; rcvd 1 month. Rpted in English (Schwing) 11920, map card w/data checked off for English rpt w/mint stamps; 1 month (d'Adolf) 4940, card w/incorrect date specified; 25 days air for French rpt w/2 IRCs (Dildine) 1 $\frac{1}{2}$  months for French rpt and 4 IRCs. (Howard)

JAPAN: JJY Time Signal, Tokyo, 10000, replied w/acknowledgement card by air 2 months. 3 IRCs sent (Calkin)

JORDAN: Radio Amman, 7155, color picture card of "The Monuments of Nabatheans"; 2 wks, 1 IRC (Howard)

KUWAIT: Radio Kuwait, 15045, folder w/map and other info on Kuwait received in 1 month for 2 IRCs. Full data (Schwing) 15405, folder w/full data in 6 months sea (Taylor)

LIBERIA: ELBC, Monrovia, 3255, plain blue and white card with date, time and freq.

V/S: William L. Vah, L.-i-C. 29 days air for IRC (Watman)

ELWA, Monrovia, 11950, red, black and white card of native; full data; 1 month for 2 IRCs (kaufman) 11940, drummer card in 23 days after f/up (Sellers)

VOA, Monrovia, 15445, regular VOA card in 4 days (Howard)

LIBYA: LBS, El Beida, 8630, form letter in English w/date and fqy; 2 months air. Rpted ny registered airmail w/mint stamps (Lobdell)

LITHUANIA: Radio Vilnius, 11930, birds in a tree card; 106 days sea (Dildine), Vilnius 11850, card in 5 months plus Vilnius p/card (d'Adolf) 11850, 16 $\frac{1}{2}$  wks (Sellers)

Radio Moscow, Kaunas, card for LA See on 11870; air in 2 months (d'Adolf) card w/site from Moscow in 23 days (Bruns)

LUXEMBOURG: Radio Luxembourg, 6090, antenna card in 17 $\frac{1}{2}$  weeks seamaile for 2 IRCs. Rpted direct (Sellers) card in 5 weeks for 2 IRCs (Schwing) 10 weeks sea (Ricchezza)

MALAYSIA: Radio Malaysia, Kuala Lumpur, card in 14 days w/sked, personal letter and photo (Matthews)

MAURITANIA: Radio Mauritania, 4850, card for French rpt and mint stamps; 'd'Adolf)

MEXICO: L/V del maestro, 6165, replied to my letter thanking them for their QSL, with an acknowledgement letter saying I would receive a fuller reply later! People do like to make work for themselves (Calkin)

XERUA, 21705, black and white card, sked and tourist info plus R. Mexico pennant. 1 month for Spanish report (no IRC) from V/S: Dir. Gen. Lic. Victoria E. Perez de Leon. received by registered airmail (Howard) 33 days registered (Bruns) For those who are interested, registered letters cost only 4 cents to register in Mexico. (Ed.)

MOLDAVIA: After a number of tries, in Russian and English, prepared cards etc, have received a color view card of kishinev with note in Russian on the back which verifies my reception of July, 1965. (Dexter) Excellent, Gerry! (Ed.)

MOROCCO: VOA, Tangier, 9760, card in 6 days from Washington (Flum)

NETHERLANDS: Radio Nederland, 25790, verified by card for 21970 showing new church; in Spanish for English report. 2 weeks air for no IRC (Magne)

NIGERIA: NBC, Maiduguri, 6140, standard card, specifying site, received from Lagos in 3 weeks after report to Maiduguri, 6140, brought no response (Dexter)

Voice of Nigeria, 15200, green and white card w/sked in 24 days (Howard)

NORWAY: Radio Norway, 17795, colorful card of Feirangerfjord for 2 IRCs and cancelled stamps; 2 weeks air w/tiny flag, skeds and station info (Sellers) beautiful snow-capped mountain card in color with full data and V/S as usual. Air in 2 wks (Banta)

PAPUA: VLT4, Port Moresby, map card airmail in 21 days. (Marshall) 9520, full data card in 2 months for 2 IRCs (Kaufman)

PERU: Radio Nacional del Peru, 6082/9562, mimeo letter plus pennant from Eduardo A. Lindley in 3 months for Spanish report and mint stamps. Reply registered (Field) 3 months registered (d'Adolf)

PHILIPPINES: FEBA, Manila, card/river Scene plus letter from QSL section; English lang. skeds (Marshall) 7225, one month air for 3 IRCs (Perry)

VOA/Foro/Tinang, 15185, card minus time in 7 days (Watman)

POLAND: Polish Radio Warsaw, 7285, 9525, 11840, 15120, 15275, cards in map series w/full data in 4 months seamail. No return postage (Lobdell)

ROMANIA: Radio Bucharest, 11940/9570, sked, letter in 84 and 80 days resp (Dickey)

RUSSIA: S.F.S.R. Radio Peace and Progress, 15350, card in 2 months, 3 weeks (Clark)

Radio Moscow, 7150, card for ECNA pgm from Serpukhov (Sizer) 17910, card w/out site and letter from V/S: Miss Larissa Motyрева, African Sce. 5 months seamail (Dildine) card listing 5 frequencies (Kolb)

Radio Moscow, Gorky, 11860, new multi-color card in 17 days air (Sellers)

Radio Moscow, Blagoveshensk, 11690, card in 6 weeks w/site (Field)

Radiostansya Rodina, 15455, card in 3 months on 3rd try; in English and Russian (Field)

SAO TOME: Emissor Regional, 4807, card w/photo of "Cao Grande" containing full data; by air in 1 month. Rpted in Portuguese w/mint stamps (Lobdell)

SAUDI ARABIA: S.A. Broadcasting, 11855, card w/green and white tree and crossed swords card w/full data. 1 month via Riyadh (Kaufman) card in 3 weeks from V/S:

Werner Storg, C.E. (Howard)

SEYCHELLES: FEBA, card in 1 month for 11935 test transmission. 3 IRCs sent (Taylor)

SICILY: RAI Caltanissetta, 9515, card specifying site for 2 IRCs. 4 months (Dildine)

SIERRA LEONE: Radio Sierra Leone, Freetown, 5980, full verie/data on reverse of p/card; 6 months air for taped rpt and mint stamps (Lobdell)

SOMALIA: Radio Mogadiscio, 6093, three tower card in 2 weeks air from V/S: C.E./S.B.S. (Howard)

SOUTH AFRICA: Radio South Africa/SABC, 9680, color card in 1 month for 1 IRC (Howard) 6080, card in 3 weeks air (Banta)

Springbok Radio, 6195, usual color card w/full data for Sept rpt; air reply in 3 weeks (Banta) card in 2 months w/pennant (Field) 9695, card in 17 days air w/full details and pennant (Sellers)

SPANISH SAHARA: Radio Sahara, 7230, long, friendly letter and two picture postcards from Federico Campos Alverz, Departamento de Realizacion y Montaje, Radio Sahara, Apt. de Correos 106, Aaiun. They are interested in receiving U.S. folk and pop records. 3 months after f/up (Dexter)

SPAIN: Radio Nacional España, 9520, folder card specifying new Nobeljas site. 11 days, airmail (Dexter)

SUDAN: Radio Omdurman, 9505, 163 days for form letter from V/S: A./Rahman A./Basit, also two tourist maps. (Watman) form letter in 50 days for English rpt (Kaufman)

SYRIA: Damascus, 15165, registered letter and reg. f/up w/5 IRCs and Mint stamps brought QSL by registered mail. (Clark)

U.S.A. VOA, Delano, 6185, card in 5 days (Flum) VOA, Dixon, 21610, card in 5 d. (Flum)

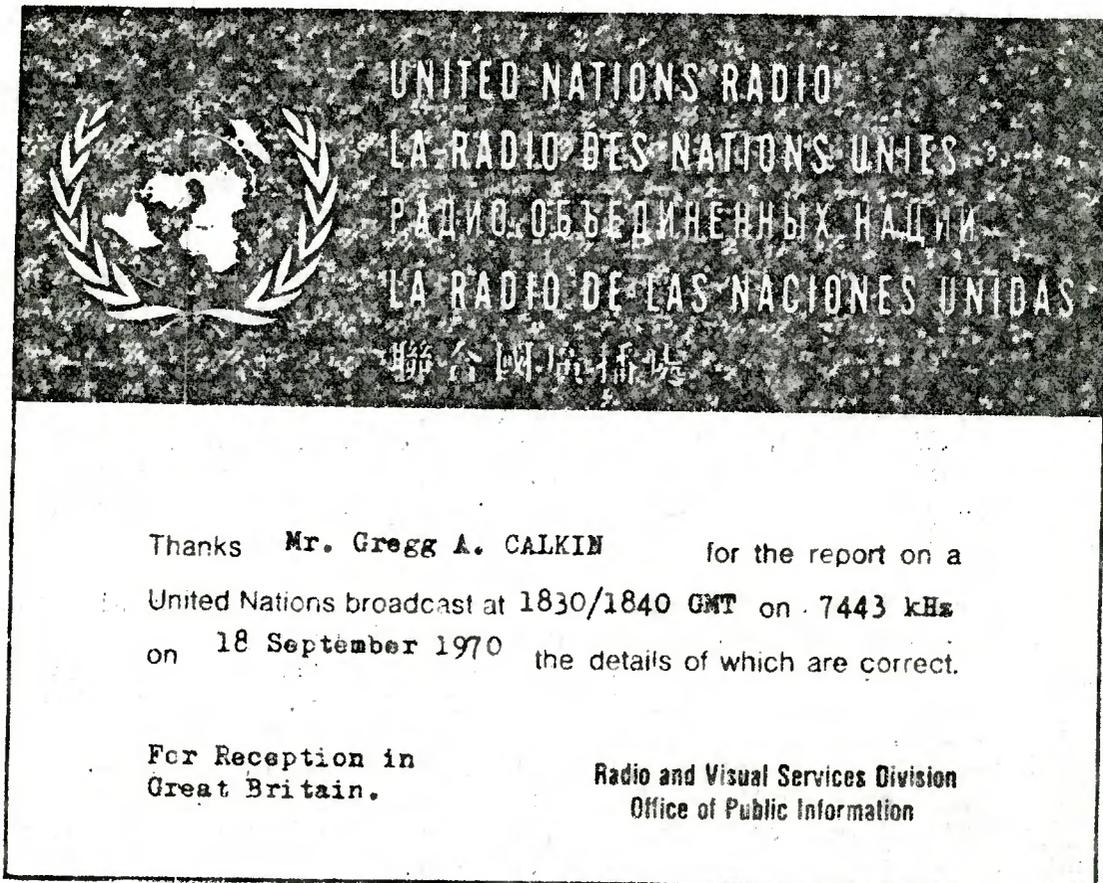
VATICAN: Vatican Radio, 15260/21485, two cards by air in 1½ months; no IRC (Lobdell)

VENEZUELA: YVTO, 6100, TS, card w/drawing of the observatory and a folder on the transmissions of YVTO. V/S: Oswaldo Ponce Ponce, Capita de Fragata; 5 months sea (Dildine)

Radio Tropical, 4870, letter from Angelo Grasso in 3½ months. 11th try on this one (Dexter)

Radio Valencia, 3355, personal letter in 2 weeks on 8th try from V/S: Romulo Martinez, Director. SASE sent, but not used (Field)

MERRY CHRISTMAS!

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Our featured QSL this month is a rarely heard or heard of transmitter which belongs to the United Nations Radio and transmits/broadcasts its programmes on 7443 kHz. The station is located at Geneva, Switzerland and transmits only 10 minutes each week, between 1830-1840 GMT on Fridays!

Special thanks this month to the following contributors:

Steven d'Adolf, Mass.  
John Banta, New York  
Ron Bruns, Missouri  
G. A. Calkin, Mexico  
Tom Clark, Ohio  
Gerry L. Dexter, Wisc.  
R. Stephen Dildine, Va.  
Donald Dickey, Minn.

Marlin A. Field, Mich  
Ron Howard, Maryland  
Audie Kaufman, N. Y.  
John Kolb, Calif.  
Chris Lobbell, Mass.  
Larry Magne, Penna;  
Mrs. M. Marshall, N. Dak.  
Wm. A. Matthews, Ohio

Ralph W. Perry, Illinois  
Bob Peritz, New York  
W. J. Plum, New Jersey  
Ed. Ricchezza, Penna.  
Mark C. Schwing, Colorado  
Alvin V. Sizer, Conn.  
Harold T. Sellers, Ontario  
Peter Taylor, Ontario

IMPORTANT!!

Due to delays being experienced both in the receipt of members reports to QSL REPORT and in the receipt of stencils at Headquarters, a new deadline for QSL RPT has been established and all reports must now be in Mexico City by the 12th of each month at the latest. Reports received after that date cannot be used and will be held over. Airmail should be used by members, and it normally takes 5-6 days to reach here.

Until next month then, a very MERRY CHRISTMAS AND HAPPY NEW YEAR TO you all. GREGG.

News  
Tips  
Skeds

LISTENERS NOTEBOOK  
LISTENERS NOTEBOOK  
LISTENERS NOTEBOOK

Deadline - 18th

Dan Ferguson, 1521 Smith Road, Apt.7, Charleston, W.Va. 25314. Phone (304) 346-5738.

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PERU The 11 November 1971 issue of the New York Times indicated that the military government of Peru has "placed all television and radio stations under effective state control by decree today." The new law is said to be "the most sweeping formal state intervention in broadcasting in Latin America outside Cuba."  
"Under the new law, the state is to 'acquire at least 51% of the shares in all television stations, and 25% of the interest in radio outlets'.  
Specific changes include a reduction in the use of foreign programs, a reduction in commercials ("We find that 37% of broadcasting time is given over to commercials. This will be sharply changed in the next two or three years."), de-urbanization of stations (could change the DX pattern there), and the prohibition of foreigners from participation in this new set-up. (New York Times via Larry Magne, Bill Berghammer)

QUARTERLY BROADCAST SCHEDULES

Following is a list of English transmissions to North America and or those that are heard in North America. All of these schedules are expected to remain in effect thru the winter broadcasting period. A more extensive English schedule guide is said to be available from Gilfer Associates, P.O. Box 239, Park Ridge, N.J. 07656. This was not available when this section was typed, but should be available before the end of November.

Belgium - Belgium Speaking

2305-2315 to NA on 15255/9550 kHz.  
0050-0100 to NA on 15255/9550 kHz.

Austria - ORF

2300 9770  
0000 6155  
0200 6155  
(full schedule not yet compiled)

Bulgaria - Radio Sofia

0000-0100 to NA on 9700

Czechoslovakia - Radio Prague

0100-0200 to NA on 5930/7345/9540/9630  
11990 kHz.  
0300-0400 to NA on the above freqs.  
1400-1500 (Sun) to NA on 15445/17840.

Finland - OYA

1800-1830 to NA on 15185/11755/9555  
2300-2330 to NA on 15185.

W.Germany -D. Welle.

0120-0220 to S.As. on 7285/9545  
0130-0250 to ENA on 6040/6075/9735  
2100-2200 to ANZ on 7130/9765/15275

E. Germany RBI

0100-0145 to ENA on 9555/9730  
0330-0415 to WNA on 5955/6080/6165

Hungary - R. Budapest

0100-0130 to NA on 6165/9833/11910/15160  
0300-0330 to NA on 6165/9833/11910/11910  
0500-0530 to NA on 9833/11910

Italy - RAI

0100-0120 to NA on 6010/9575

Monaco - TWR

0625-0800 to Eur on 7295

Netherlands - Radio Nederland

0200-0320 to ENA on 11730-b  
0500-0620 to WNA on 11730-b/9715-b  
0630-0750 to NZ on 11730-b  
0800-0920 to ANZ on 9715-b  
2130-2250 to NA on 11730-L/9715-L  
(L=Lopik tx, in Holland. b=Bonaira relay)

Portugal

0200-0245 to NA on 6025/11935  
0300-0345 to NA on 11840  
0345-0430 to NA on 6025/11935

Norway R. Norway (English on Sundays)

1400-1430 to NA on 17825  
 1600-1630 to NA on 17825/21655/21730  
 0200-0230 to NA on 9550/9610  
 0400-0430 to NA on 6130/9610/9645  
 0600-0630 to NA on 6130/9645

Sweden - R. Sweden

0030-0100 to NA on 6175  
 0200-0230 to NA on 6175  
 0330-0400 to NA on 11705  
 0515-0545 to S.As. on 17840  
 0515-0545 to ANZ on 9585  
 1100-1130 to Eur on 9630  
 1100-1130 to Afr on 21690  
 1230-1300 to FE on 15105  
 1230-1300 to Eur on 9630  
 1400-1430 to ENA on 21505  
 1400-1430 to S.As. on 15240  
 1600-1630 to ME on 11930  
 1830-1900 to ME on 11950  
 1830-1900 to Afr on 15240  
 2045-2115 to Eur on 6065  
 2045-2115 to FE on 9745

Congo(PR) - ORTF, Brazzaville

0515-0530 to Afr on 15190

Ethiopia - ETLF

0400-0425 to E.Afr. on 9730  
 0530-0555 to W.Afr. on 11890  
 1255-1325 to Ceylon on 15315  
 1330-1345 to N.India on 15315  
 1330-1400 to S.India on 15180  
 1755-1810 to E.Afr. on 9705  
 1830-1910 to S.Afr. on 9705  
 1930-2015 to W.Afr. on 11910

Canada CBC

0715-0745 to Afr on 17820/15325  
 0715-0745 to Eur on 9625/5990  
 0830-0930 to S.Pac. 9625/5970  
 1217-1313 to Eur/NA on 15325/15315/  
 11720/9625  
 1515-1522 to Eur on 21595/17820/15325  
 1831-1914 to Afr on 21515/17820/15320  
 2115-2152 to Eur on 15325/11720/9605  
 2300-2330 to NA/Carib. 15190/11945/9625  
 The No. Canada Svc in EE/FF/Eskimos:  
 1100-1215 on 9625  
 1515-1530 on 15320  
 1630-1700 on 15320  
 2200-2250 on 15190/9625  
 0100-0400 on 11720/9625/5970  
 0400-0557 on 11720/5970  
 0557-0631 on 11720  
 0631-0706 on 11720/5970

Rumania - R. Bucharest

0130-0230 on 5980v/6150/9570/11940  
 0300-0330 on 5980v/6150/9570/11940  
 0430-0500 on 5980v/6150/9570/11940

Spain - RNE

0100-0345 on 6140/11925

Switzerland - SBC

0130-0200 ENA on 6120/9535/9750/11715  
 0400-0430 to WNA on 6120/9535  
 0700-0730 to ANZ on 9590/11775/11865/15305  
 0845-0915 to ANZ on 9590/11775/11865/15305  
 1100-1130 to Afr on 15430/17795/21520/21605  
 1330-1345 to FE/As on 15305/17845/21520  
 21605  
 1530-1545 to ME on 11865/15305/17830  
 2100-2130 to Afr. on 9590/11770/11865/  
 15305

Vatican - Vatican Radio

0050-0100 to NA on 5995/9615/11725

Yugoslavia - R. Belgrade

2200-2215 on 6100/7240/9620

Gambia - R. Gambia

0625-0800 on 4820

Ghana R. Ghana

2000-2100 to NA on 9760/11850  
 2045-2215 to Eur on 9545

Nigeria - R. Nigeria

0530-0730 on 15185/15200

S.Africa R. RSA

2215-2315 to Eur/NA on 9525/9695/11900/11970  
 2330-0120 to NA on 11970/9695/9560/6080  
 0130-0250 to NA on 11970/9695/9560/6080  
 0415-0442 to Af/ME on 17805/15220/11900/  
 9525/7270  
 0500-0512 to Af/ME on the above fqys  
 0630-0642 to Af/ME on 21535/17805/15220/  
 11900/7270  
 0800-0850 to ANZ on 21545/17815  
 0930-0946 to Af/ME on 25790/21535/17820  
 1000-1050 to ANZ on 21520/17820/15220  
 1100-1550 to Af/ME on 25790/21535/15220/  
 11900  
 1600-1650 to Af/ME on 21535/15220/11900  
 1800-1850 to Eur on 21480/15155  
 1900-1950 to Af/ME on 15175/9695

\* \* \* \* \*  
 \* It has been announced that there will  
 \* be no summer edition of the World Radio  
 \* TV handbook in 1972. This will be missed.

TURKS & CAICOS IS Turks Island Radio was testing late October/early November, and requesting reports. Noted 2200 to around 0030. Not hrd since. However, the station had a special transmission last Christmas Eve, and can be expected to do the same this Christmas Eve. Last year was on 4560 kHz. I would expect them to appear on 4788 kHz, since they have been operating there in the past few months. The station is a good verifier. (DF)

<u>DX Calendar</u>		* <u>HOLIDAY SPECIALS</u>	Requests were recently sent to various
9 December	Tanzania	* DXers for extracts from their logs on Christmas Eve, and	
11 December	Upper Volta	* New Years Eve from recent years. Response indicates a	
24 December	Libya	* general feeling among experienced DXers that these dates	
1 January	Cameroon	* are not as important, DX-wise, as they used to be. At one	
1 January	Sudan	* time, these days offered the only possibilities for	
4 January	Burma	* logging most of the Angolan stations, and many other	
11 January	Albania	* Africans, and Latin American stations. In recent years,	
(John Tuchscherer)		* many of the Africans have extended their normal schedules,	
*****		* providing good chances for hearing the stations at other	
		* times of the year.	

General feeling now is that Christmas Eve might produce some good DX from East Africa, in afternoon (EST). There may also be some Latin American stations operating late, after many of the stations which normally prevent reception have signed off. Another country which might provide improved reception by late operation is Cape Verde Islands. And, of course, Turks Island Radio, mentioned above. (DF)

<u>ETHIOPIA</u> Radio Ethiopia now has a tx on 9587 kHz at 0430-0600, in local language, believed Amharic. (DF)	<u>POLAND</u> R. Warsaw has English to NA at 0300-0325, then into Polish; on 6135/6035. (Larry Magne)
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<u>ZAIRE</u> (ex Congo(DR)) Lubumbashi now almost 24 hours on 11862v, tx off sometimes around 0400. Well heard in NA afternoons, evenings. (Larry Magne)	<u>EGYPT</u> Cairo's Voive of Arabs apparently testing widely for new fqy(s). Noted on the following NFs, //remaining VoArabs fqys (7050, 15475, etc.), and running as late as 0115 s/off, but usually s/off earlier: 9495 (ex-9455), 9820(ex-11630), 11665(ex-11630), 15090(ex-17625 sometimes, other times ex-17640), 15100(ex-17640). All pretty good and audible from around 1400. (Larry Magne)
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CUBA RHC new English sked:  
 2007-2140 to Eur on 15155  
 2050-2140 to CA/SA on 15270/15285  
 0058-0455 to NA/CA/SA on 9680(ex: 9760  
 11830(ex:11840)  
 0330-0600 to NA/CA/SA on 11760  
 0455-0600 to NA/CA/SA on 11830(ex: 11840)  
 0628-0800 to WCNA on 9525  
 (Larry Magne, Bill Berghammer)

CHINA China Press Agency has mx & rev. Chinese mx at least twice daily. Annrcs are mostly women, some of the mx is at dictation speed. Noted in October as follows:  
 0000-0230v on 14416/16105/16373/16435  
 17221/17504  
 1100-1410v on 11414/16105/16373/16435  
 17221/17504/7526  
 (Larry Magne)

CHINA R.Peking lists 55 minute programs in English as follows: (s/on time given)  
 0000 ECNA 11676/15060  
 0100 ECNA 7120T/9780T/12080/15060/15165  
 summer/15520/17715/17855  
 0200 ECNA 15060/15520/17715/17855  
 0300 ECNA 7120T/9780T  
 0300 WCNA 7120T/9780T/11445 winter/11685/  
 15060/15095/15165 summer/15385/  
 17735  
 0400 WCNA 11445 winter/11685/15060/15095/  
 16165 summer/15385/17735  
 1200 ECNA 9480(winter)/11685/15095  
 T=Tirana relay. (Larry Magne)

GREECE NHBI winter sked reads:  
 0700-0815 to Cyprus on 9605/11720  
 (Sunday 9605 begins 0550.)  
 0900-1000 to Egypt on 9605/11720(not Mon.)  
 1030-1300 to Cyprus on 9605/11720  
 1330-1515 to Turkey on 9605/7295  
 1630-1700 to Cyprus on 9605/7295  
 1730-1800 to Eur on 15425/11720  
 1830-1900 to Cyprus on 9605/7285

Greece - continued from bottom of column 1.  
 1930-2100 to Eur on 9605/11720  
 2200-2230 to Azores on 9605/11720  
 2300-2330 to Bermuda on 9605/11720(D.Jamison)  
 Best wishes to each of you this Christmas.  
 And if you get a chance at DXing over the holidays, be sure to send the results of your listening to Log Report. 73, Dan.

JAPAN Writing in response to an item about the Japanese HS transmissions on SW, which recently appeared in this section, Bill Sparks notes that these transmissions were last listed in WRTH in 1965. Richard Wood indicates that an additional sender was noted in Hawaii, Sendai on 3259 kHz. Additionally, we have been able to find further info from ITU registrations. Currently, the information we have reads:

- 3259 Sendai still operating here, as reported recently. Further information not known.
- 6005 Matsuyama, listed w/ITU as lkw, best bet in NA would be 0800-1100 period
- 6130 Kumamoto, ITU shows 1 kw, best time in NA would be 0800-1000. Ceylon also sked here; and Novosibirsk s/on 0930, same fqy.
- 6175 Hiroshima, list lkw, best time in NA would be 0730-0900. Malaya operates here, also France, also Brazil s/on 0800
- 6190 Osaka, list .5kw, sked to s/off 0800, and Petro-Kam, on fqy from 0600. Indonesia also sked here to 0800, according to ITU information.
- 9535 Nagoya listed w/lkw, ITU says s/off 0830. SBC on fqy, also Kuching listed s/off same time according to ITU. Angola also here.
- 9550 Tokyo, list w/lkw, best chance seems to be somewhere in the 0900-1200 time period.

Also of interest are the lists from the 1965 WRTH showing the following transmitters: 3377-Osaka, 3607-Hiroshima, 3970-Nagoya, Matsuyama, Sapporo(the latter listing is a bit confusing!).....Anyone having further information on these or other Japanese HS outlets is requested to send that information to this editor. Can you WCNA DXers hear any of these outlets???

(DF)

AUSTRALIA Winter sked of English transmissions from Radio Australia:

To South and South-east Asia:

- 5980 S 1500-1730
- 6055 D 1500-1730 / 2100-2215
- 7145 D 1500-1730
- 7175 S 2100-2215
- 7185 S 1100-1500
- 7235 S 1500-1730
- 9550 S 1500-1730
- 9570 S 0930-1500
- 9590 S 2100-2345
- 9680 S 1515-1730
- 11760 D 0930-1130
- 11765 S 1430-1500
- 11840 S 0745-1030 / 2330-0030
- 15320 S 0700-0800 / 2245-0100
- 15355 D 0030-0400
- 15395 D 0800-0930
- 17715 D 0400-0800
- 17870 S 0030-0800
- 21540 S 0100-0715

To East Asia and the Northwest Pacific:

- 9580 S 1100-1200
- 11810 S 1100-1300
- 15140 L 0900-1140
- 15240 S 2100-0030
- 15295 L 2000-2345
- 17715 S 2100-2300
- 17715 D 0030-0100
- 17820 S 0615-0930
- 21485 D 0200-0800

D=Darwin

S=Shepparton

L=Lyndhurst

P=Perth

Pacific Is. Svc:

- 5995 L 0830-1215
- 9540 S 1800-2030
- 9570 S 0700-0915
- 9580 S 1800-2100
- 11765 S 0645-0915
- 11840 S 1800-2100
- 15160 L 2000-0830
- 15240 L 0115-0800
- 17795 S 2130-0000

British and European Svc:

- 9570 S 0700-0915
- 11765 S 0645-0916

African Svc:

- 7290 P 1800-2000
- 9665 P 1800-2000
- 17820 S 0330-0500
- 21680 S 0330-0500

North American Svc:

- 9580 S 1215-1315
- 11710 S 1215-1315
- 15320 S 0100-0300
- 17795 S 0100-0300
- 21740 S 0100-0300

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LEBANON R. Beirut now changed fqy to NA.

On 9545v (ex11955v), English 0228a-0258a.

Same fqy also used for Spanish to LA.

(Larry Magne)

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COMMENTS, CONTRIBUTIONS NEEDED FOR LN.

A letter from R. Abidjan, IVORY COAST, says, "We will appreciate your writing your reports in English and French because we have two engineers." (Jim Zabransky)

What's being heard where/when	LOG REPORT LOG REPORT LOG REPORT LOG REPORT	What's being heard where/when
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JERRY BERG-EDITOR, 38 EASTERN AVENUE, LEXINGTON, MA. 02173 Deadline 12th of month.

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- 2600 CHINA Peoples Liberation Army, Fukien area, tlks hrd in CC and CC mx, 1248, //4379 (DJ).
- 3170 CZECH Presumed OLB5 time station at 0237 with pulses. No voice or CW IDs noted (GLD).
- 3215 DOM.REP. R.Libertad hrd w/LA mx, ads, IDs at 0138 (JDT).
- 3232 CONGO R.Brazzaville, FF narrative 1910, early fade in (BP).
- 3250 S.AFR. SABC coml svc, exc level at 0233 w/nx (GLD).
- 3255 VENEZ LV del Tigre, strong at 0200 in SS w/sports relay over "Cadena Radio Rumbos" (TW).
- 3300 BURUNDI Bujumbura, good at 2250 w/FF anmts, ID as "Ici Bujumbura" (TW).
- 3325 VENEZ R.Monagas, SS ID 0545. Guatemala must go off arnd 0300(BB).
- 3338 MOZAMBIQUE L.Marques, pops, vernacular anmts 1945. Also hrd on //4865 (BP).
- 3355t INDIA Kurseong, political tlk in EE and lang at 1453. Lang anmts 1458, IS 1459, IDs, but weak and ute QRM (DW).
- 3360 GUATEMALA LV de Nahuala, marimba mx 0302, SS anmts, ID by YL at 0312 (DW).
- 3380 GUATEMALA R.Chortis, fair w/LA mx to 0400\* (AHR).
- 3380 MALAWI Blantyre, weak and fading at 0420 w/ads, TCs, EE anmts, pops and Afr pop mx on DJ type "Breakfast Show" (RWP).
- 3385 FR.GUIANA Cayenne, 100 w/FF and EE pop mx, some tlk.Fine sig(ECS).
- 3385 VENEZ R.Barcelona, hrd at 0135 w/SS marimba mx (CB).
- 3395 BRAZIL R.Cl.de Conquista, man in PP 2355, ID 2358 (JDT).
- 4040 USSR Unid. RR cmtry at 1135, either Magadan or Erevan (DJ).
- 4050 USSR Ditto at 1012, weak but readable level (DJ).
- 4273 N.KOREA Pyongyang, cmtry and mx 1032, also tlk in unid. lang at 1222 (DJ).
- 4379 CHINA Peoples Lib.Armey, cmtry in CC at 1040. CW QRM at times. Also hrd at 1320, and //2600 (DJ).
- 4405 Unid. stn hrd at 1034 w/guitar mx, cmtry in unid. lang (DJ).
- 4410 N.KOREA Pyongyang, fair 1048 in oriental lang, some mx (DJ).
- 4485 RSFSR(As) Vladivostok(listed), good w/clas.mx at 0426 (AG).
- 4580a Unid. stn hrd once, 11/7, ID as "R.Europa . . ." Mx prgm, plus apparent sermon cmtry for few minutes. After 0600 seemed to be two stns, w/both fading or signing off at 0632 (MAF).
- 4610 RSFSR(As) Khabarovsk, fair w/vocals 1240, fading arnd 1315 (DJ).
- 4660 LAOS LV du Pathet Lao, native mx 1228, //6199. Poor (GH). 4659, possibly Laos, mx 1229, not //7479 (DJ).
- 4675 MEXICO XERMX, SS mx, maybe ads at 0209. Poor-fair (AAM).
- 4719 INDONESIA Makassar (per GH), tlks 1330, mx interludes. Also hrd w/tlks at 1244 (DJ).
- 4725 BURMA Rangoon, fair at 1241 w/EE songs (DJ). Mx 1237, lang 1245, then more mx (JDT).
- 4755 BRAZIL Presumed R.Maranhao, good sig w/mx, ID hrd 0100 but not understood (MAF). Tentative, mx and tlks, poor (CB). Time?
- 4760 VENEZ R.Frontera, poor w/mx and ID at 0248 (CB). 0400\* (EB).
- 4765 CONGO RTVC-Brazzaville, good in FF 0430 (GLD). FF nx 2125, Afro mx from 2129. Good sig (CRL).
- 4765 ECUADOR CRE, SS tlk 1049, ID 1103 (JDT).
- 4768 COLOMBIA R.Catatumbo, full ID at 0405\* (BB).

- 4772y ECUADOR R.Cenit, local mx and nx from 0409 to 0433\*. Many IDs (JDT). SS nx 0410 (BB), sports, ending w/ID at 0438 (MAF).
- 4770 LIBERIA ELWA, EE rel prgm, 0630 to past 0700. Fair, some QRN (JR).
- 4770 N.KOREA Pyongyang, \*2000 in Korean, down frm 4775 (BP). Tentative in lang 1358, 1415 f/out (VA). 4772, presumed Pyongyang at 1243 w/woman in Korean, some applause (GH).
- 4770 VENEZ R.Bolivar, fair w/jingles, LA mx, TCs at 0315 (RWP).
- 4771 INDONESIA Djakarta, tlks by YL at 1244 (DJ).
- 4775 AFGHANISTAN Kabul, EE tlk 1416, natl mx 1420, EE ID 1428. Poor to fair (DW).
- 4777 GABON Libreville, IS 0431, ID at 0434 opening (RWP). Afr and FF mx, FF anmts, to 2300\* w/ID and anthem. Also hrd w/mx 0445-0515 (JR). Mx 2203, ID and off at 2301 (MSK).
- 4780 DOM.REP. Onda Musical, strong w/nx at 0404, SS anmts, LA pops (RWP). 4782a, mx prgm, ID 0100, little QRN frm Venez-4780 (MAF).
- 4780 VENEZ LV de Carabobo, mx 0418, ID 0420 (CB). LA mx and tlks at 0445, no ID till 0540. Good sig (RB).
- 4783 MALI Bamako, fine lvl 2215 w/cora mx, Afr pops and chants, US pops, FF and vernacular anmts (RWP). IS 0557, anthem, patriotic song, ID, cora mx, AA chants. Poor, but hrd past 0630 (JR).
- 4788 TURK & CAICOS VS18, poor sig 10/31 relaying BBC pop mx show at 2230-2244\*. QSL in 2½ weeks, and they're looking for reports (Ed). 11/3, mx prgm, infrequent IDs, 2245-0045. Strong (MAF). And 11/13, EE pop mx and anmts 2226 to past 2250, no ID, but QSLed (CRL). Also hrd 10/31 w/prgm to 2244\*. QSL in (SPD). Watch this one . .
- 4790 VENEZ Ondas Portenas, mx, ads at 0148, poor-fair (AAM). Mx, ID 0340, off w/anthem at 0355\* (MAF).
- 4793.5 ANGOLA R.Comercial, fair w/pops, ads, many mentions of Angola at 2235-2300. Distinctive IS 2300. Careful of R.Congonhas next door on 4795 (ARN).
- 4795 BRAZIL R.Congonhas, anmts in PP at 2300, hvy QRN (TW).
- 4795 ECUADOR LV los Caras, mx prgm frm 0330, ID 0345 (MAF).
- 4800t INDIA Hyderabad, Indian mx, anmts, tent. ID 1500, but QRN from Russian on same channel (DW).
- 4805 BRAZIL R.Amazonas, musical program hrd at 2230 (MAF).
- 4815 UPPER VOLTA Ouagadougou, FF nx 0630, vy poor (JA). IS 0557, ID, anthem, AA chants, nx 0615. Often hvy RTTY (JR). Vy good at 2215 f/in, chants, also Afr mx (RWP).
- 4820 ECUADOR R.Paz y Bien, Ecuadorian mx 0930 (MAF), clear ID 1015 (BB).
- 4820 GAMBIA Bathurst, IS 0625, anthem and EE ID 0630, into AA. EE ID 0700, BBC nx, local EE nx, cmtry (JR, DJ, BS).
- 4825 DOM.REP. LV Fuerzas Armadas, LA and pop mx 2240 (JDT), call letters at 0116 (AAM).
- 4827 VENEZ LV de Tachira, good sig, pops, SS ID between songs, 0345 (RWP).
- 4832a COSTA RICA R.Capital, good w/LA mx and IDs, 0445 (AHR).
- 4835 BRAZIL Unid. hrd at \*1000 w/mx prgm (MAF).
- 4835 SARAWAK Kuching, daily frm 1100 to past 1200 w/regional mx, C&W mx, Indonesian anmts (RWP).
- 4845 BOLIVIA R.Fides, SS ID 0101, local nx, intl nx 0115, ads (DW).
- 4850 PERU R.Atlantida, SS tlks 0430, fair but ute QRN. Fast QSL (RWP). 0945 w/ID and mx prgm (MAF).
- 4850 MAURITANIA Nouakchotte, good thru RTTY w/chants at 2228 on 10/21, first day of Ramadan (RWP).
- 4850 UZBEK Tashkent, 1253 in RR (?), ID 1300, mx. Poor (GH).
- 4855 BRAZIL R.Taubate, M&W w/nx at 2225, //R.Congonhas-4795 (MAF).
- 4860 VENEZ R.Maracaibo, SS IDs 0120, mx prgm. Seems to be weak unid. under them that ruins audio quality (HM).
- 4865 BRAZIL R.Cl.do Para, mx prgm w/ID at 0310 (MAF).
- 4870 DAHOMEY Cotonou, tam-tam IS 0512, anthem, FF ID. Afr mx to 0600,

- then EE lessons for FF spkrs. Gnlly good (JR). Native mx, ID 0625 (MSK).
- 4870 MAURITIUS Forest Side, hrd w/FF cmtry at 1735 (BF).
- 4870 VENEZ R.Tropical, mx prgm 0130, 0458\* w/many IDs, anthem (MAF). IDs, ads, LA mx arnd 0155 (AAM). 4872, SS ID 0330, instr mx (RWP).
- 4875 BOLIVIA La Cruz del Sur, ID 2300, mx and tlks, rel prgm 2315 after ID (MAF). Clas.mx 0139, ID 0207 (DW). Rel prgm, EE anmts to 0301\*, but hvy QRM (RWP). Aymara prgm at 1030, 4876 (BB).
- 4875 S.AFR. SABC Afrikaans svc, good lvl w/tlk at 0417 (GLD, BB).
- 4880 CONGO Kinshasa, exc 2210 w/tam-tam mx, FF. //15245 (ARN).
- 4885 COLOMBIA Ondas del Meta, SS ID 0300, ads, mx, TC 0312 (DW).
- 4890.5 VENEZ Rdif.Venezuela, SS, mx and IDs at 0147 (VA).
- 4895 BRAZIL R.Bare, man tlking at 0315 (MAF).
- 4895 USSR Unid., M&W tlking 0100, ID 0116, faded by 0130, back briefly by 0210 (MAF).
- 4900 INDONESIA Gorontalo, mx prgm at 1242 tune, RRI ID hrd but not town. Not hrd since 11/2 (MAF).
- 4900 NIGERIA Enugu or Lagos? Hrd after Venez off at 0435, w/EE anmts, nx, Afr mx. Also 2230 (RWP). Natl mx 2140 (ECS), AA chants 2255, N:E 2300, IS 2305 and off soon (ARN).
- 4904 CHAD Ft.Lamy, hrd 2041-2140 f/out, native mx and nx (SPD). Tent., Afr mx 2200 during Ramadan, fighting IAs at 2231 (RWP). Native mx and AA chants, tlk in vernacular, arnd 2224 (MSK).
- 4905t CHINA Peking, poor w/oriental mx, to 2215\* (AHR).
- 4905 COLOMBIA Emis.Atlantico, exc lvl w/mx, ID 0428 (GLD).
- 4910 GUINEA Conakry, 0400 to past 0430 w/FF tlk, fair sig. Another day, Afr mx, FF tlk at 2228 (RWP). Anthem, patriotic yelling, ID, cora mx to 0620, then Afr rhythms. FF nx 0630, 0645 f/out(JR).
- 4915 GHANA Accra, EE tlk 2115 (RFB), good by 2215 f/in w/US and Afr mx, in EE and vernacular. Fine daily (RWP).
- 4915 KENYA Nairobi, Afr pops, Swahili ads for Coke, old US soul mx. Fair (RWP). Time? Tentative, hrd mixing w/Ghana on couple of Sats, Afr mx, lang anmts frm 2055, to 2110\* after short ID and anthem(EG).
- 4915 NIGERIA VoN, local mx, anmts, 1917 (RFB). Where is this? (Ed).
- 4916 COLOMBIA R.Guatapuri, LA and pop mx, 2353-0035.Many IDs (JDT).
- 49235.5 ECUADOR R.Quito, SS IDs during mx at 0210. Noisy condx(HM).
- 4926 EQ.GUINEA Bata, on late for natl holiday, 10/13.Also good at 0510 w/Afr pops, SS anmts (RWP).
- 4930t DOM.REP. R.Mil, SS mx, low lvl, believe ID hrd (RBO).
- 4935 BRAZIL R.Poti, lite mx to 0256a\*.(ARN).
- 4940 IVORY COAST Abidjan, anthem 0600, FF ID, TC, wake-up prgm to 0645 when had FF nx. Ancd //7215, 6015.(JR). Fine at 2200, FF and Afr mx (RWP).
- 4945 COLOMBIA R.Colosal, good w/SS mx, many IDs 0830-0900 (JPR), and SS tlk, IDs, mx at 1011 (BS).
- 4945 S.AFR. SABC Coml Svc, EE/Afrikaans anmts 2215, ads, mx (RWP). N:E 0300, IDing as "R.South Africa" (HM). Overriding Colosal 0340((
- 4950 SARAWAK Kuching, nx 1200, EE ID 1205. Fast QSL (RWP). BBC nx to 1430, more nx and clas.mx to 1458 (RBO). Mx, ID, nx arnd 1422 (VA).
- 4955 COLOMBIA R.Nacional, SS ID and pips 0202 (VA), and tentatively at 0203 w/mx and anmts, good sig (WT).
- 4960 CHINA Peking? Oriental hrd here at 2255 tune (GLD). Peking in lang, good lvl at 2305 (ARN).
- 4962 DOM.REP. R.Antillas, good w/frequent IDs and comls arnd 2300 (ECS), and w/SS tlk at 1115 (BB).
- 4965 ANGOLA R.Cl.de Malanje, pop mx, PP anmts frm 2215, closes w/AP (TW). At 2300? (Ed).
- 4965 COLOMBIA R.Santa Fe, SS organ mx thru RPTY, 0316 (AG), and vy good arnd 0627 w/IDs and mx (HS).

- 4965 S.AFR. SABC EE svc hrd closing 2207 w/prayer (ARN). \*0400 in EE, mx and tlk prgm (RB), and EE cmtry 0405 (BS).
- 4972.5 CAMEROUN Yaounde, fair w/native mx frm 2245 (GLD). Pops, FF anmts, many IDs frm 2215. Off 2300\* more regularly, seems (RWP).
- 4975 PERU R.del Pacifico, weak w/hymns 0208, an EE wrd noted also. Just on high side of intense RTTY (RWP).
- 4980 GHANA Ejura, rock mx to 2200, then N:E (BS).
- 4980 VENEZ Ecos del Torbes, clas. and LA mx, IDs, anmts arnd 0230 (RB). SS nx 0300 (RWP).
- 4985 INDONESIA New RRI stn, no ID hrd yet. Hrd 1955, also 1000 when all over R.Malaysia (BP).
- 4985 MALAYSIA RM-Penang, N:E 1605, variety mx 1610. TC 1627, then anthem to 1630\* (DW).
- 4990 NIGERIA Lagos, EE African nx 2200, then jazz. Fair-good (RWP). Coml svc, N:E 0600, then Afr mx, IDs, TCs to 0625 t/out (JR).
- 4994 SUDAN Omdurman, good at 2200 w/chants (RWP), and weak w/AA chants at 0405. AA mx 0415, but lost in the RTTY at 0430 (JR).
- 4995 BRAZIL R.Brasil Central, great lvl 0800 w/PP anmts, IDs (RWP).
- 4996 PERU R.Andina, Andean mx, some SS anmts frm 0645. TC and ID at 0651, to 0704 t/out (DW).
- 5010 CAMEROUN Garoua, Afr mx, lang anmts 2140-2200\* w/short anthem (ARN). Unid, tlk (in AA?) to 2200\* w/anthem. Garoua? (MSK).
- 5010 DOM.REP. R.Cristal, SS nx 0632, mx 0634 (BS).
- 5015 ANGOLA R.Cl.de Mocamedes, weak copy w/PP and Afr mx till WIBS covers them at 2235 (RWP).
- 5015 BRAZIL Definitely a Brazilian active under WIBS, hrd 2230-2305 t/out in PP, native format. FBIS lists R.Guanabara,PRC8 (ARN).
- 5015 GRENADA EE "Wrld of Science" 2213, ID and mx (BS). BBC nx 2300, good frm arnd 2225 f/in (RWP).
- 5015 USSR Arkhangelsk 0205 in RR HS, fair lvl. Vladivostok also listed here for this time, but impossible prpogation-wise (ARN).
- 5026 UGANDA Kampala, Afr and EE pops to 2100, then N:E, short tlk to 2112\*. Poor (CRL). EE 0345 (BB).
- 5030 DOM.REP. LV del Papagayo, hrd 2235-2245 w/anmts in SS, mixing w/Venez (TW).
- 5030 VENEZ R.Continente, SS nx 0358, ID 0400, SS tlk (BS). SS mx and tlk at 0415-0500 (RBO).
- 5038 C.AFR.REP. Bangui, f/in 2145, Afr mx, FF anmts, a bit of EE (RWP). To 2300\*, anthem, choral singing. What is that song? (HM). 5035, hrd to 2300\* in FF w/increased pwr (ARN). Poor 0600 in FF(JA)
- 5040 BURMA Rangoon, \*1430 in EE, ID, western pops. N:E 1445 (DW). 5041, weak in Burmese 1215, ID 1220, oriental mx past 1223 (RWP).
- 5042 PORT.GUINEA Bissau, variety mx, PP anmts 0708-0730, tentative ID at 0716 (DW).
- 5047 INDONESIA Ltr in frm Jogjakarta says EE is sked here 1145-1158(RW)
- 5047 TOGO Lome, good daily to 2302\* after anthem (RWP). IS 0528, anthem, ID, Afr mx till 0540 FF nx. More mx till vernacular nx at 0600 (JR). Tlk 0530, pop mx 0537 (DW). Afr mx prgm 0543 (AG).
- 5055 Unid. LA stn, LA mx 0310-0330, but hvy local noise (LM).
- 5060 ANGOLA R.Cl.do Huambo, hrd several times 2230-2300\* w/AP (TW).
- 5060 VENEZ R.Litoral, fair w/LA mx 0205-0230 (TW).
- 5060 Unid. stn at 0340, weak w/chants. Poor, noisy. Maybe Yemen (RWP).
- 5075 COLOMBIA R.Sutatenza, SS nx 0000-0030, fair reception (JPR).
- 5275 INDONESIA Non-RRI stn at Poso hrd w/mx till 1200, maybe nx till 1215, more mx. Better reception at 1240 (DJ).
- 5290 USSR Krasnoyarsk, good sigs, band mx and lang anmts 1154 (DJ).
- 5492 INDONESIA Unid., maybe GH's, weak though mx audible at 1322. Lingo kind of mushy (DJ).
- 5805 YEMEN Sanaa, \*0300a, AA ID, chants. Weak, gone by 0320 (RWP).

- 5875 HONDURAS HRN, sports 0255, SS ID 0259. Fair (RWP). ID 0350 (JS), tlks at 0401, then abruptly off at 0410\* (DJ).
- 5930 CZECH Prague, fair in EE at 0126 (WT).
- 5952 COSTA RICA R.Casino, clas.mx to 0800, then quick ID (ECS).
- 5955 GUATEMALA TGNA, EE tourist info hrd 0242-0300, then mx (WT).
- 5960 ECUADOR HCJB hrd w/"Call of the Andes" at 0758, in EE (JDT).
- 5965 USSR Unknown site, piano and lite mx, pips 0200, mixing w/Brazil (JDT).
- 5970 PERU R.El Sol, pops to past 0730, TCs and IDs. Also "musica ranchera" at 1045 (RWP). 0753 w/rock mx and IDs (JDT).
- 5980 GREENLAND Godthab, pretty good w/nx 1024. IS repeated 1029, then ID and tlk. Vy irregular (Ed).
- 5980 EL SALVADOR YSS, clas.mx at 0415, to 0500\* w/long anthem (JR).
- 5985 RUMANIA Bucharest, EE to NA, ID, nx at \*0300, ex-5980 (LM).
- 5995 MALI Bamako, fair-poor 0730 after VOA goes off, Afr mx, FF anmts. Off at 0800 (JR, BB). Also at 2227 tune, Afr mx, many IDs, FF nx 2230. Daily s/off is a bit before 2400 (RWP).
- 6000 BRAZIL R.Inconfidencia, mx, nx, PP IDs and ads at 0000-0045 (JR), and at 0800 (RBO), and 0825 w/TC, ads (DW).
- 6005 CANADA CFCX, exc w/nx, mx, cmtry at 1310 (TB).
- 6006 COSTA RICA R.Reloj, nx 0115, SS ID 0132. Fair sig (RB). 6009, mx and SS ID at 0603 (RSH).
- 6010 CANADA CJCX, comls, trading post 1940, full ID 1954 (AKJ).
- 6020 HOLLAND RN, IS and on in EE to UK at 1955 (AKJ).
- 6020 PERU R.Victoria, IDs after Lisbon goes off at 0400, then good till 0703\* (RWP).
- 6025 PORTUGAL Lisbon, nx, cmtry, mx, often much QRM, at 0200. Is in EE (TB). Also hrd to s/off at 0430 (RSH).
- 6030 COLOMBIA R.Nacional, SS tlk before audience at 0015. Weak (RWP).
- 6035 COLOMBIA LV del Tolima, vy poor at 0015 w/LA stnds (RWP).
- 6044 GREECE FBS-Athens, trumpet IS 0430, anthem, ID, tlk, then clas. mx. 6 pips 0500, then nx. All Greek (Ed).
- 6055 AUSTRALIA RA, Indonesian nx hrd at 1430 (RFB).
- 6060 ARGENTINA R.Nacional, hrd at \*0857 w/anthem and full ID (ECS).
- 6060t ZAMBIA Lusaka, EE and Afr prgming, rhythms, comls, but under hvy carrier (ECS).
- 6065 COLOMBIA New stn, R. Super, hrd 2358 (ARN). Mx, IDs and TCs at 0614, fine lvl after side channel QRM leaves (GLD). Also fine at 0615, and agn at 0900 w/LA mx, clear IDs. 24 hrs?(RWP). ID hrd at 0800 (BB).
- 6070 CANADA CFRX, 1200 w/nx, mx, the usual (RB). Ads, lite mx, 2328(BS).
- 6075 COLOMBIA R.Sutatenza, tlks, lite mx at 2335 (DJ), tlk, ID, fgy anmt 0045. Fair w/CFRX splash (RWP).
- 6075 W.GERMANY DW, IS at 1930 (AKJ). Fair in GG 0140 (BL), QRMed to 0200 but then rcptn was good w/EE "Daily Digest" (JBa).
- 6075 S.AFR. SABC, IS 0358, anthem, cock crow and into nx. Fair (AG).
- 6080 ENGLAND BBC, hrd in lang at 0050 struggling w/RSA (LM).
- 6085 W.GERMANY Bayerischer Rundfunk, GG talk show at 0530 (BB).
- 6090 AUSTRALIA Sydney, clas.mx 1055, pips 1100, then nx (DJ).
- 6090 LUXEMBOURG R.Lux, N:E 2300 (RDA), and pops, EE anmts, IDs, etc (AG, AWB, BS). Nx 0200, then off (BL, TB). GG 0425, good sig (RWP).
- 6093 SOMALIA R.Mogadishu, IS 0258, ID, into chants and nx at 0305. Faded by 0330 (RWP, ARN, MSK). Hrd one nite past 0400 (Ed).
- 6092 CAMBODIA Phnom Penh, fair at 1150 w/natl mx, short anmt 1200 and then mx (DJ).
- 6095 COLOMBIA LV del Centro, LA mx 0355, ID 0357 (DW). SS songs hrd at 0448, but no ID noted (DJ).
- 6095a Unid. LA, typical prgming at 0350, "Boliviano" mentioned. ?-(RWP).
- 6100 AUSTRALIA RA, Cantonese 1135. Fair, but QRM frm LA-6095 (RWP).

- 6100 YUGOSLAVIA Belgrade, getting better here at 2215 as winter approaches, but //9620 not so good (ECS).
- 6105 COLOMBIA R.Vision, mx 1026, ID 1030, then tlk (BS).
- 6120 SWITZ SBC, EE tlk 0148, into GG at 0200, then mx (WT).
- 6125 COLOMBIA LA mx hrd 0653-0711 t/out, Todelar net ID only (JDT).
- 6130 CANADA CHNX, tlk 1022, then pop mx (BS). Also rock mx, conls at 2310 (RDA, AAM). N:E, wx 0100 (HS), election nx 0142 (BL).
- 6130 NORWAY Oslo, anthem and ID 0400, "Norway This Week." NF (CRL).
- 6135 POLAND Warsaw, EE to NA, IDs, into Polish 0325, //6035 (LM).
- 6141 COLOMBIA LV de Cali, IDs, LA mx at 0415-0440 (LM), ID 0530 (BB).
- 6145 NIGERIA Calabar, EE, native rhythms 2155, under het (ECS), and w/N:E 0608, pop mx 0610 (BS).
- 6150 AUSTRALIA RA, EE nx conference 0940, mx 0955 (BS).
- 6155 AUSTRIA Vienna, \*1959, but poor, //11715, 15410 (RDA). N:E 0145, IS 0155, into GG (RBO). EE at \*0400 (RWP), but prgm in lang at that time, //7250 (RSH).
- 6155 IRAQ Baghdad, super sig at 2200 w/chants for Ramadan (RWP).
- 6160 CANADA CKZN-St. John's, N:E 1002, wx, mx, ads (BS).
- 6165 E.GERMANY RBI, \*0333 w/nx, emtry to WCNA. Fairly good (JBa).
- 6165 NETH.ANT. TWR, EE test w/mx, 10/31 only, 0531-0539 (JA).
- 6165 SWITZ SBC, fair w/EE interviews 2017 (RDA), pop mx and tlk at 2110 (JDT); and closing in lang at 2245. Omni-directional (ARN).
- 6165 USSR RM in CG hrd on this NF at 0900 (BP).
- 6165 S.VIETNAM VTVN, fair in tlks in Viet at 1350 (DJ).
- 6170 MOROCCO RTVM, ear-blaster at 2215 w/M-E mx (RWP).
- 6175 ANGOLA Voz de Angola, poor to 2301\* w/AP, much RM on fgy (RWP).
- 6175 HUNGARY Budapest; EE prgm on Alaska bomb test 0301, fair sig (JBa).
- 6175 MALAYSIA RM-Kuala Lumpur, consistently good arnd 1100 w/chimes, into Mandarin (RWP).
- 6175 SWEDEN Stockholm now using this good channel for EE to NA at 0030 and 0200, ex-11825 (AHR, LM, RWP, ARN, JPR).
- 6180 ARGENTINA R.Nacional-Mendoza, \*1000 w/long anthem, calls, ID, TCs. Seldom hrd in Australia (BP).
- 6180 GUATEMALA LV de Guatemala, 0045 to past 0100 w/LA mx, IDs, TCs. Good; but low modulation (JR).
- 6180 ISRAEL IBA, EE test to Europe to 2130, then into FF, under BBC (LM).
- 6195 HAITI R.Haiti, brilliant lvl w/mx, maybe ads. FF ID 0226 (ARN).
- 6195 TUNISIA Tunis, under BBC at 2250 w/chants, but vy readable (RWP).
- 6200 ALBANIA Tirana, good rcptn of EE tlks at 0230-0258 (JBa).
- 6205 INT'L WATERS RNI, DJ format, rock mx, IDs, contests arnd 2230 to 2400 (BS, AAM, MSK), and at 0604 in Dutch, //1367 (hrd) (GH).
- 6250 EQ.GUINEA Fernando Poo, SS mx prgm 2238, to 2300\* (AG), same time w/Afr mx, old US pops, nx (RWP).
- 6255 USA Gnlv xmtr, week in RR 0320-0459. Strange . . . (LM).
- 6255 AUSTRIA Schulungssender, pops and GG anmts, also IDs hrd for a few nights beginning 10/19, but not since. \*0445-0825 f/out (LM). Also hrd at 1845 w/pops and GG anmts (RFB).
- 6271 CHINA Peking, EE to Europe on NF, ex-6933, 2110, //6610, 7590 (LM).
- 6290 N.KOREA Pyongyang, Korean tlk 0730. Seemingly this one, though a bit early (GH).
- 6321 CHINA Peking, hrd at 2125 in lang w/revol mx (LM).
- 6374 N.VIETNAM Hanoi hrd w/tlks, good lvl, at 1135. Hrd on 6376 w/similar prgming another day (DJ).
- 6540 N.KOREA Pyongyang, hrd in EE at 1900 (RFB).
- 6560 CHINA Peking, FF to Europe, revol mx, to 2126\* (LM).
- 6715t N.VIETNAM Hanoi at 1224, covered by RLY by 1230 (DJ).
- 6840t CHINA Huhehot, Inner Mongolia, 1352 w/mx and prgming not of Peking type, and not //Peking-6955. What think? (DJ).
- 6974t CHINA Huhehot, oriental tlk and mx at 1108, not //China-7095 or

7323. Don't know much about these two stns. (DJ). Who does? (Ed).
- 7050 UAR Cairo, good w/M-E chorals and chants at 0445 (RWP).
- 7075 Unid. w/AA chants at 0407, barely audible. Sp. Sahara? (CB).  
Maybe Cairo? (Ed).
- 7105t THAILAND Thai TV Co, Thai tlk at 1120, flutter. QRM from Indon  
on 7107. Quite weak (RWP).
- 7110t MALI Bamako, in oriental at 1243, no Russians on at this time (VA).
- 7120 CHINA Peking, fair when had N:E at 0117 (WT).
- 7125 GUINEA Conakry opens \*0600 w/anthem, patriotic yell, FF ID,  
cora mx and FF anmts. Fair (JR).
- 7140 CYPRUS BBC-Limassol, lang nx, poor, at 0121 (AG).
- 7150 USSR RM, hrd w/EE to NA various times between 0025 and 0158 (WT).
- 7155 JORDAN Amman, poor 0346 w/jamming and RM-7150 QRM (RWP).
- 7160t USSR "Huna Moscow" ID hrd low at 2300. Where--Baku? (ECS).
- 7170 N.CALEDONIA Noumea, FF and island mx to 1000, then ID and nx (ECS).
- 7175 SICILY RAI-Caltanissetta, Italian DJ show 0545, comls 0558, nx  
0601. VOA-Monrovia goes on 0600, but RAI audible till 0610 (HM).
- 7180 POLAND Warsaw HS, TC 0700, then mx (BP).
- 7200 SUDAN Omdurman, chants under VOA 0410. QRM. Used all year? (RWP).
- 7200 YUGOSLAVIA Belgrade HS, Euro mx, S. Croatian anmts arnd 2115 (BP).
- 7205 USSR RM, nx, cmtry and mx to NA at 0505 (JDT).
- 7215 ANGOLA R. Ecclesia, steady 0235-0300, ID 0254 w/PP lite mx, pops (ARW).
- 7225 MOROCCO RTVM, \*0700 and into FF, w/AA still on 7115. Was rpt in  
10/71 LR for specially scheduled prgm? (BP).
- 7225 PHILIPPINES FEBC, faded in arnd 1215 w/EE rel prgm. IDs, fgys at  
1230, then into Malay. Strong (RWP, VA).
- 7230 SP.SAHARA Aaiun, still audible in the mud at 0830 tune in. Lots  
of local QRM (ECS). QSL in--power is 10 kw (GLD). Congrats! (Ed).
- 7235 MONACO TWR, vy good sig at 0910 tune, to 0920\* (ECS).
- 7240 IRAq Baghdad, chants 2135, good lvl but hvy ARO QRM (RWP).
- 7245 AUSTRIA Vienna, vy good 0615-0645 w/mx and EE prgm on tourist  
attractions (JA). And good also at 0755 w/IS (RWP).
- 7260 COMORO IS. Moroni hrd under BBC SS svc 0333, chants, FF and  
vernacular IDs. Faded by 0350, and quite poor (RWP). Weak w/FF tlks  
and mx 0410 to 0430 f/out (DJ). Hrd in the clear at 0425 during  
break in modulation, for full two minutes (ECS).
- 7255 NIGERIA Lagos, rel svc in native at 0615, probably Yoruba (BB).
- 7260 USSR Soviet stn hrd 0500 (ECS).
- 7260 Unid. stn, seemingly s/on 0759 w/choral anthem, couple wrds 0800,  
then a second anthem which was La Marseilles. Into tlk, but poor  
modulation made lang ID impossible, but could have been EE. Hrd  
10/31 only (RWP).
- 7270 POLAND Warsaw, piano IS 0659, into lang 0700 (RWP).
- 7285 W.GERMANY DW, EE nx and cmtry at 0130 (AWB).
- 7285 POLAND Warsaw, EE to Europe 0630-0700, //7270 (JA).
- 7290 MONACO TWR, hrd w/rel prgms in EE at 0635. Exc lvl (AWB).
- 7300 ALBANIA Tirana hrd 0145 (DN), cmtry and mx 0155 (WT), and into  
EE at 0230. Vy good (JS).
- 7308 Unid. stn w/polar flutter, songs and anmts in Slavic-type lang,  
at 0810 (DJ).
- 7320 ENGLAND BBC, fair w/EE WS features, 0100 (AWB).
- 7335 CLANDESTINE (Bulgaria) Greek stn, Radiofonikos Stathmos I Foni Tis  
Alithias, IS, ID and nx way under CHU at \*1900. Also tentative  
2015, and definitely at \*0430-0502\* (LM).
- 7345 CZECH Prague, EE nx, cmtry, mx to NA at 0100 (TB) and 0300 (RBO).
- 7390 USSR Unid. outlet here in RR at 0306. No listing (GLD).
- 7393vt CLANDESTINE (S. Viet) R. Liberation, w/speech at 1130 (LM).
- 7416 N.VIETNAM Hanoi, fine in HS 1144 w/Asian mx, vernacular anmts.  
R. Liberation noted some days on this channel. (RWP).

- 7470 CLANDESTINE(S.Viet) R.Liberation(Giai-Phong), good w/march mx and tlks (RWP). Time? (Ed). Hrd 1340, //10010, but this fgy is stronger (DJ). Unid. Asian hrd w/trlk at 1140 (LM).
- 7479 CLANDESTINE Voix du Pathet Lao, fair-good 1217 and 1348 (DJ).
- 7505 CHINA Peking, tlking in CC HS, 2332-0002 (LM).
- 7510 Unid. lang, wailing mx, 1145. Weak but interesting (LM).
- 7526 CHINA China Press Agency, dictation nx in CC at 1150 (LM).
- 7546v N.VIETNAM Hanoi, Viet mx, lady anncr at 1155 (LM).
- 7780 CHINA Peking in E.Eur lang, RR mx, 2140-2156\* (LM).
- 8404 CLANDESTINE(Saudi Arabia) Voice of Free South (also known as Radio Free Yemen), hrd 1810 w/AA tlks, mx, chants, to 2100\*(LM).
- 8630 LIBYA Tripoli, AA nx 0550, M-E mx 0602, and also 2225 (JDT). Also AA songs and tlks at 2205. CW QRM (DJ).
- 9009 ISRAEL IBA, EE prgm 2115, //6180 not audible (AWB). Political discussion 2119, fair-good (AAM).
- 9380 KAZAKH Alma Ata, good sig w/RR tlk at 1149 (DJ).
- 9421 CLANDESTINE Prathet Thai, vy strong w/vocals at 1136, but hvy jamming got them (DJ).
- 9429 CLANDESTINE Voice of Patriotic Militiamen's Front, low lvl w/ tlks and mx 1053, hrd past 1100 (DJ).
- 9460 W.PAKISTAN Karachi, EE ID 1900 (DJ).
- 9475 UAR Cairo, EE nx, mx, stamp club, to NA at 0230 (TB).
- 9480 USSR R.F&P, 0000-0030 (DN).
- 9495 UAR Cairo, AA "Voice of Arabs" prgm 1850, ex-9455, //9475 (LM).
- 9500 E.GERMANY RBI, IS at \*0215 under Tirana, vy weak (ECS).
- 9505 GUATEMALA TGNB, vy good in SS rel prgming, 1230 (ECS).
- 9515 MEXICO LV de Amer.Latina, LA mx, tlk and IDs arnd 2137 (RB).
- 9525 INDIA Aligarh, 1800 w/N:E in GOS to Eur (BB). AIR, nx and mx to 2212 when RSA covered them (RB).
- 9525 S.AFR. RSA, \*2215 in EE, vy good (JS).
- 9535 SWITZ SBC, fair in EE at 0415 (WT).
- 9540 CZECH Prague, fair w/N:E at 0100 (WT).
- 9540 POLAND Warsaw, mx at 0240, QRM from SBC nearby (CB).
- 9545 W.GERMANY DW, IS 0225, then into SS to LA, and nx. NF ex-9640(LM).
- 9545 GHANA Accra, Afr mx, then EE ID 2110 (AAM).
- 9545v LEBANON Beirut, AA and EE to NA, ID 0217, QRM from DW after 0225. NF ex-11955 (LM).
- 9545a POLAND Warsaw, good w/nx, science review in EE, 2230 (JBa).
- 9550 AUSTRALIA RA, \*1330 in Thai (RFB).
- 9555 EL SALVADOR YSS, SS tlk, clas.mx 0340-0400 (LM). Anthem hrd at 0458\* (JA). ID 1207, then mx (BS).
- 9570 CHILE R.Portales, good w/SS tlks and mx 0515, well past 0615. t/out (DJ). ID 0730, Chilean mx, on new all-night sked (BB).
- 9570 NIGERIA R.TV-Kaduna, church svc, Swahili anmts 0605 (BP).
- 9570 ROUMANIA Bucharest, EE 0226, lang prgm 0230. Good (AG).
- 9580 AUSTRALIA RA, EE nx, mx, mailbag. Exc at 1115 (TB).
- 9585 FINLAND Helsinki, IS 0156, multi-lingual ID, into EE to NA. Is a NF, replacing 15185, also at 2300 (CRL).
- 9588t ETHIOPIA Believe R.Ethiopia is the one here in native 1800(BB).
- 9590 CHILE R.Pres.Balmaceda, mx 0650, ID 0700, more mx (RBO). Now \*0900 w/LA ballads, exc signal (BP).
- 9600 ENGLAND BBC hrd at 2200 (DN).
- 9600 UZBEK R.Tashkent, EE nx headlines at 1200, ex-15115, //11925(AAM, BP).
- 9605 CANADA CBC No.Svc, good in EE at 2225 (JBa).
- 9605 GREECE NHBI, church svc at earlier-than-normal s/on, 0555 (BP).
- 9610 AUSTRALIA Perth, N:E 1315, good rcptn, but fades after 1400(JPR).
- 9610 MAURITANIA Nouakchotte, chants at \*0800, chants, f/out 0835(BP).
- 9615 ECUADOR HCJB, EE at 0300, //11745 (VA).
- 9615 USA WNYW, EE/SS ID 0224, to 0230\*. Good sig (JS).

- 10040 N.VIETNAM Hanoi, "Hanoi Lattie" in EE 2324 (ARN), EE also 1545 (RFB). Closing 0029 in EE (DJ), FF tlks 1354, //12025 (DJ). 10045, N:E 1532, also //12025 (DJ).
- 10072 Unid. FF cmtry 1358, abruptly off at 1401 (DJ).
- 10080 CAMBODIA VoFUNK, strange IS 2257, ID 2300. //9986v (LM).
- 10110 CLANDESTINE(Rumania) REI, good in SS 2143 (DJ), and to 2311\*(LM).
- 10118 Unid. Asian at 1447, Viet talks, seemingly //10176 at 1512(DJ).
- 10145 N.VIETNAM, Thai and Indo at 1230 (LM). 10151, lang tlks and oriental stringed mx at 1438 (DJ).
- 10176 N.VIETNAM Hanoi, in lang 1115-1445 (LM). Stn hrd here 1233 and 1429 likely Hanoi, don't think is Pakse Radio (DJ).
- 10220v CLANDESTINE(S.Viet) R.Liberation, ID 1230 but unstable (LM).
- 11005 CUBA Havana hrd on this fgy 2318 in SS, //11760 (GH).
- 11324 Unid. weak stn at 1337. Angkatan Udara listed for 1330\* (DJ).
- 11338vt CLANDESTINE VoChinese Comm Party, reputedly inactive, maybe the Asian under CC "white" jammers at 1103-1115 (LM).
- 11352v N.KOREA Pyongyang, HS prgms hrd at 0750 and 2045 (LM).
- 11488v CLANDESTINE(W.Germany) R.Free Russia, hrd thru jamming w/tlk until jammers off at 1959, then s/off was in the clear (LM).
- 11630 UAR Cairo, "Voice of Arabs" hrd here 1545 before going to 9820 (LM). Cairo w/AA mx, ID 0018, vy strong on off-beat fgy (ARN).
- 11672v W.PAKISTAN Karachi, rel mx 2015, supposed to go to 7095 on 11/7 (AKJ). EE ID 2035, dictation nx 2115-2130 (JA), and N:E 0030 (VA).
- 11676 CHINA Peking, NF ex-17673, 0000-0055, //15060 (LM).
- 11695 CLANDESTINE(Bulgaria) R.Peyk-e-Iran, Persian nx 1801, 1810\* (LM), also good w/cmtry arnd 1700 (ECS).
- 11705 VATICAN VR, EE prgm to FE ending 2220, back on 2228 w/IS, then opened in CC w/R.Sweden QRM (GH).
- 11710 ARGENTINA RAE, N:E 2300, then opera mx, good past 2345 (JBa).
- 11715 SWITZ SBC, fair in EE at 0150 (WT), and w/FF nx at 0242 (BL).
- 11720 BRAZIL R.Nac.Brasilia, soft PP mx, many IDs arnd 0258 (AAM).
- 11725 INDIA AIR, N:E 1130, wx for Everest expedition, to 1137\* (BP).
- 11730 HOLLAND RN, good w/N:E at 0205 (WT). I think this is Bonaire(Ed).
- 11740 VATICAN VR, EE rel nx 1506 (JDT, AAM), and EE to Afr 1945 (BS).
- 11745 ECUADOR HCJB, EE DX prgm at 0300, w/rpts from Cushen and Dan Ferguson(AG) who was that second one?(Ed) Ditto (BL).
- 11750 JAPAN FEN, pop mx, ID and nx 0600. Odd time (DJ).
- 11755 BELGIUM RTB, FF ID 2000, then FF nx (BP).
- 11765 AUSTRALIA RA, fair in EE 0820, mx and TC (AHR).
- 11765 USSR RM, EE to SEA hrd 1015, NF ex-11735 (BP).
- 11770 MEXICO XERMx, ID and calls 0530, LA vocals (BP).
- 11775 SPAIN RNE, poor w/natl mx at 0334 (AG). ID 0336, SS mx, nx 0350 (DW).
- 11777 RUMANIA Bucharest in Eur lang, ID, 2015-2026\* (LM).
- 11780 N.ZEALAND RNZ, Maori mx, EE anmts and IDs, 0720-0745, //9540 (LM). Stock mkt rpt 0800 (JA), ID, IS, N:E 0800 (RFB).
- 11793 INDONESIA Djakarta, hrd w/Indo pops at 2355 (BP).
- 11795 ETHIOPIA ETLF, IS and FF ID at \*0300, good lvl (ARN).
- 11795 USA WINB, EE rel prgm 2112, ID 2117, then mx (BS).
- 11800 CEYLON Columbo, in Hindi 0145, clear ID, native mx. Hvy carrier after 0200 (HS). And fair w/pop mx, IDs to 1700\* (CB).
- 11800 ITALY RAI, fair w/IS and s/on in lang at 2050 (RDA).
- 11805 BRAZIL R.Globo, ID 0059, into PP nx (AAM), futebol 0130 (HM).
- 11805 USA AFRTS-Delano, usual prgming 1428 after "Yankee Doodle"(JA).
- 11805 USA WNYW, hrd \*2230-2345\* (DN).
- 11810 INDIA AIR, EE hrd 1330 and 1428 (JA), EE tlk 1400, local pops, press rvw 1419, but poor (BS). Indian mx 1440, nx 1455, 1500\*(JK).
- 11810 ITALY RAI, vy good in EE 0100-0120 (JPR), FF 0120, //9575 (JA).

- 9615 VATICAN VR, EE ID 0102, then no audio. Good (AG).
- 9620 YUGOSLAVIA Belgrade, weak w/N:E at 2205 (CB).
- 9625 CANADA CBC, exc at 1217 w/nx, mx, lstnrs club (TB).
- 9625 ISRAEL IBA, hrd to Afr/Eur 2043-2116, //6180 (and 9009 at 2115) (RDA). EE nx and mx at 2100 (TB), N:E 2115 (JK). FF nx 2130(CB), and IS and into lang at 2215, below CBC No.Svc (RSH).
- 9630 CANADA CBC, good w/N:E at 0208 (WT).
- 9630 CZECH Prague, N:E 0105, good sig, but 11990 barely audible(AKJ).
- 9645 Unid. AA stn here w/prayers till 2255? Vy low (ECS). Ed, you also listed this one for 2055\* (Ed).
- 9660 ALGERIA Algiers, "Voice of the Storm" prgm from 1830 under jammers, //9685, 11715, 11810, 15418v. New 120 kw xmtr (LM).
- 9660 AUSTRALIA Brisbane hrd w/nx at 1310, but hvy Minsk QRM (RFB).
- 9660 VENEZ R.Rumbos, off 0505\* after anthem (JA), also SS ads at 1117, tlk, IDs, TCs (BS).
- 9665 USSR RM, recent NF, \*1030 in Vietnamese (BP).
- 9670 JAPAN NHK, nx, Jap lesson 1630-1700 (MM).
- 9670 PORTUGAL Now carrying "Voice of Hope" xmsn via RTE-Sines, \*0800 in EE, AA 0830, FF 0900. Operated by Adventist Church (BP). Good at 0824, giving Paris JTH for ltrs (JBa). Also carrying IBRA RR prgm 1800-1845 (BB), EE ID 2100 after Scandinavian prgm(BP)
- 9670 USA KGEI, ending EE at 0500, rarely hrd in Australia (BP).
- 9680 AUSTRALIA Melbourne, orch mx 1243 (AAM), BBC/ABC nx 1300 (RFB).
- 9680 MONACO TWR, IS to 0940, then Czech rel svc. Good lvl (ECS).
- 9690 CHILE LV de Chile, SS anmts, pop mx, IDs, 0320-0340 (LM).
- 9690 ARGENTINA RAE, \*0000 w/chime IS, fanfare, ID (ECS). EE nx, mx, cmtry 0300 (MM), fair-good in EE 0325 (RSH). ID, clas.mx 0620(RBO).
- 9695 S.AFR. RSA, EE at 2215, //11970 (AKJ), nx, Afr survey, mailbag at 0130-0200 (MM).
- 9700 BULGARIA Sofia, IS 2359, into N:E (AG, VA, WT).
- 9705 MEXICO XERMX, nx in SS hrd 0400 (BB).
- 9715 HOLLAND RN, vy good in EE to NA 2130 (JBa).
- 9720 S.AFR. Springbok R. w/piano mx 0555 (BP).
- 9730 BRAZIL R.Farroupilha, pop mx, tlks, ID 0900, lost to TWR (LM).
- 9730 E.GERMANY RBI, fair in EE to NA 0100 (JPR), vy good w/cmtry at 0130 (DN), still in EE and good at 0255 (WT).
- 9745 INDONESIA Sorong, often hrd arnd 0405 w/Indo songs, also arnd 2120. Sometimes drifts to 9743 (BP).
- 9747y IRAQ Baghdad, AA nx 1900 (BB), poor in EE to 2020, then GG(RDA).
- 9750 SWITZ SBC fairly good w/EE nx, etc. to NA, 0130-0200. New? (JBa).
- 9750 CUBA Havana, good w/N:E 0112 (WT). EE 0430, //11760, 11840 (BB).
- 9760 PHILIPPINES VOA, cmtry at 1325 (RFB).
- 9765 W.GERMANY DW, hrd in EE at 0205, also w/ID in EE at 2200 (WT).
- 9770 AUSTRIA Vienna, N:E 0035 (AKJ). 9772, vy poor w/mx, \*2358(JS).
- 9770 HAITI 4VEH, N:E 1208 (AAM), fair w/EE rel prgm and nx, 1430(JBa).
- 9780 ALBANIA Tirana, EE cmtry 0233 (WT). Relaying Peking in EE at 0143 (VA). RM CC svc also hrd here at 0100, mixing Tirana(LM).
- 9820 JAR Cairo, "Voice of Arabs" prgm hrd on checks between 1940-0005. They seem testing new fqys. //7050 (LM).
- 9920 CLANDESTINE(S.Viet) R.Liberation, FF cmtry 1345, still going at 1415 (ECS, DJ).
- 9935 INT'L WATERS RNI, EE pops, IDs, TCs, etc. 2120 (AWB), 0348(JBa) and 0500. //6205, and 9935 faded fast after 0500 (JA).
- 9945 CHINA Peking, \*2300, fair in lang (AHR).
- 9987y CAMBODIA VoFUNK, dictation nx in Khmer 0010, mx, IDs, //10080, 12005. IS is 3 minutes before s/on. Runs 1130-1227, 2300-0051(LM).
- 10010 CLANDESTINE(S.Viet) R.Liberation, pop mx, EE anmt 1459, anthem 1501, then unid. lang prgming (DJ).
- 10030y Unid. w/M-E mx for 4 minutes, "Solea, Solea, Solea" anmt, then unmodulated carrier to 2115\*. Prgming hrd 2105-2110 (LM).

- ending FF at 0135 w/ID, fcys and times (HS).
- 11810 VATICAN VR, N:E to India-Pak at 1515, recent NF (BP).
- 11815 NETH.ANT. TWR, exc at 0030 w/EE DX prgm (TB).
- 11835 HAITI 4VEJ, hrd to 1403\* (DN). Now stronger and running to after 1600, //9770(fair), 15280(not hrd) (JA). EE mx, ID 2315 (AG).
- 11835 URUGUAY R.El Espectador, mx and IDs 0215, killed by carrier at 0230 (CB). Nx to 0249, s/off in middle of a jingle at 0259 (HM).
- 11840 AUSTRALIA RA-Darwin, pop mx 0805-0810. NF, ex-11765 (LM).
- 11845 ALBANIA Tirana, ID and anthem at 2000, then into AA nx (BP).
- 11850 GHANA Accra, EE nx, cmtry, mx, fair-good to NA 2000-2058 (JPR). Cmtry 2020, ID 2030, mx to 2058\* (JK). Good 2020-2032 (RDA).
- 11855 INDIA New Delhi listed, N:E 1530, HS prgm (BP).
- 11855 MONACO TWR, \*1730 in Latvian, exc. NF ex-11705 (BP).
- 11855 PHILIPPINES FEBC, lang tlk and hymns 1754, EE 1758, 1806\* (JK).
- 11862v CONGO R.Lubumbashi w/Afr vocals, FF nx 0530(BP). Hrd to 0718\* w/anthem, occasional IDs (DJ). Also Afr mx 2045-2101\* (JDT), ID and anthem at s/off at 2100 (RFB). Also hrd w/Afr mx at unusual time, 0130-0320 (LM).
- 11865 CANADA CBC relaying DW, GG nx at 0208 (VA).
- 11870 INDIA Bombay listed, \*1030, local languages, ID (BP).
- 11870 NETH.ANT. TWR, GG to SA 1020. NF ex-11820, 11850 (BP).
- 11875 ANGOLA Emis.Oficial, IS 0545, AP 0550, ID, rel prgm to 0645, then mx. This on a Sun (LM). Tentative, pop mx 0629, fair (DJ).
- 11875 BELGIUM RTB, \*2330 on this NF, EE hrd 0045-0050a (ARN).
- 11875 NICARAGUA Rdif.Nacional, good w/SS tlk and natl mx at 2252 (AG), mx and IDs 2255 (VA).
- 11880 TURKEY Ankara, Turkish IDs, mx, nx 1700. NF, //9515 (LM).
- 11880 USA KGEI, rel prgm hrd 0225. NF? (JDT).
- 11895 INDIA AIR, hrd 0103 w/nx, cmtry, then mx, all EE (JDT).
- 11900 USSR R.Kiev prgm, poor w/nx in EE at 0037 (WT).
- 11900 S.AFR. RSA, hrd at \*2100 (DN).
- 11904 THAILAND Bangkok at \*0930, into Thai for Korea (BP).
- 11905 USA UN Radio, good in EE 1955 when Council in session (BL).
- 11910 CYPRUS BBC-Limassol, powerful at 1455 w/Hindi cmtry (BP).
- 11910 ETHIOPIA ETLF in Hausa at 1900, rel prgm. Clear (ECS).
- 11910 HUNGARY Budapest, EE to Oceania 0800 on Wed, not only Sun as per WRTVH (BP).
- 11910 INDIA New Delhi listed, natl nx 0930, EE ID, N:E 0933 (BP).
- 11920 IVORY COAST Abidjan, \*0600 in FF (JA, JS). Also nx, native mx, EE at 1830, but weak (HS), and Afr mx and nx arnd 1958 (poor) and 2035 (good) (BL). They want rpts on this channel (RWP).
- 11920 RUMANIA Bucharest, \*1500 w/EE to Afr, mixing w/FEBC (BP).
- 11925 SPAIN RNE, \*0300 w/IS, alternate SE/EE anmts. Vy good (ECS).
- 11925 UZBEK R.Tashkent, good in EE from 1200 (JA). Vy strong w/political cmtry arnd 1213 (RWP).
- 11935 PORTUGAL Lisbon, EE nx, mx, cmtry arnd 0200, but often buried in QRM (TB). Also hrd 0210, also on 6025 (WT). Good when going off w/ID and slogan, 0245 (HS).
- 11935 SEYCHELLES FEBA, IS to 1657, complete ID 1700, into Persian. EE rel prgm 1730. Good and clear to 1730. Goes to 1800\* (HM,MM, S.AFR. Springbok R. w/N:E at 1100, TC 1113 (BP). AWB,LM,HS).
- 11940 RUMANIA Bucharest, good in EE to NA, 0300-0330 (JPR).
- 11945 CANADA CBC relaying DW, GG at 0158, then into EE (TG).
- 11945 CHINA Peking, fair in EE to 0055\* (AHR).
- 11945 ENGLAND BBC relay of CBC Czech prgm frm \*1445, //11935-Sackville but much weaker there. English by Radio hrd 2120, no sign of Malagasy as per 10/71 LR (BP).
- 11950 MONACO TWR w/"Voice of Hope" prgm in EE, vy good, 1900-1915\*(AWB).
- 11950 SEYCHELLES FEBA, good in EE 1800-1830a, then into AA until

- close arnd 1900. This is a test to M-E and they want rpts (AWB, JDT, EM, JR, RSH, DW).
- 11950 BRAZIL R.Min.Educ, good in PP at 0100, much clas.mx. May have hrd EE ancmt of parallel fqys, but not sure (AHR).
- 11955 LEBANON Beirut, hrd w/EE to NA 0230 (BP), but hvy QRM then (DN).
- 11960 MALI Bamako, \*0800 on Sun, FF and vernacular ancmts, then into cmtry, native lang, strange native mx.//7110 hrd.0835 f/out(BP).
- 11970 S.AFR. RSA, hrd well in EE prgming on various days between 2330-0050--nx, mx, stock data, tourist info, etc (WT). EE DX prgm at 0212 Wed, into FF 0215. EE agn hrd at 0320 (BL).
- 11975 GRENADA WIBS, pop mx and IDs at 0037, poor-fair (AAM).
- 11990 CZECH Prague, EE "Weekend Mx Box" 1755-1826\* (JDT). Also FF to Afr to 1925\* (AKJ), and nx, cmtry and mx at 0100 (DN).
- 12000 AUSTRALIA VNG-Lyndhurst, fair w/time pips at 0740 (RFB).
- 12005 CAMBODIA VoFUNK, IS at \*1127, anthem, IDs by M&W, nx to 1158 t/out. //9985v, 10080v (11997 silent) (LM).
- 12080 CHINA Peking in PP to Eur, nx by man at 2045 (LM).
- 12102t CLANDESTINE(China) Voice of the Thai People, maybe the one w/ IS 1158, seemingly //9423. Local noise (LM).
- 12130 USSR Local HS stn, sometimes relaying RM HS, ancng as "Radio-stansiya . ." but not Rodina or Atlantika. Hrd 1910-1935 (LM).
- 12140 CLANDESTINE(Rumania) REI, IS 2301, ID giving strange meter bands, fragment of clas.mx, nx. CW QRM (GH).
- 12176 IRAN Tehran, hrd w/mx at 1927 (RFB). Seems to s/on here at 1930 w/IS and pips, Persian ID and into FF and EE at 1959. Fair-good (JA). Persian chants, occasional anmts arnd 2005 (MSK).
- 12240 RSFSR(As) Magadan carrying RR HS, mx 0150, pol tlk 0200 (LM).
- 12450 CHINA Peking, hrd w/Asian lang talk, ute QRM, 2336-2350 (LM).
- 13250a CLANDESTINE(Venez) R.Euzkadi, EE 2207-2212 IDing as "The voice of the Basque underground" (RFB).
- 14416 CHINA China Press Agency, \*0000, ID twice, dictation nx by lady, CC revol mx. To 0112 f/out (LM).
- 14622 Unid. SS stn, maybe clandestine, not REI, hrd at 0301. Directional antennas put this (crudely) in N.Europe (DJ).
- 14670 CANADA CHU, pips and FF/EE anmts every minute, 2105 (RFB).
- 14874t CHINA Peking believed the one here w/YL in CC(?), revol mx, not // CPA fqys. Hrd 0045-0056\* (LM).
- 14995 CLANDESTINE(S.Viet) R.Liberation, good 1445-1455a, short break, then exc (maybe beam change) in Viet to 1500 t/out (ARN).
- 15050a CHINA Peking, good in EE at 0400 (JA).
- 15050v Unid. mx from unstable carrier, weak at 1605-1705 (LM).
- 15055E UAR Cairo, 1520-1559\*, chants, tlk, M-E mx, no IS or ID hrd(JDT).
- 15080a CHINA Peking fair in CC at 0400 (JA).
- 15084 IRAN Tehran, Persian ID 1959, then IS and EE ID. //12176 from 1930, which is better some days (JA).
- 15095 CHINA Peking, poor in EE, many IDs, 0400 (JA). Also nx, cmtry, quotations, mx at 1200-1256 (DN).
- 15100 GRENADA WIBS, BBC relay, rhythms at 2115 (LM). Rock mx 2150, EE ID 2152, then tlk (BS).
- 15100 UAR Cairo, AA "Voice of Arabs" 1448, chimes, ID 1500, //15475, 17625, NF for test. Still on at 1720 (LM).
- 15105 JAPAN NHK, poor w/EE ID, nx at 0100 (WT), irregular w/15-minute N:E at 0400, also at 0500 and 0600 some days (JA).
- 15105 SWEDEN Stockholm, \*1230 w/EE to FE (BS).
- 15115 ECUADOR HCJB, good in EE at 0145, also on 9615 (WT).
- 15115 FRANCE Paris, good w/FF interviews at 1922 (BL).
- 15120 CEYLON Columbo coml svc good w/mx to 1700\* (JR). Only hrd once, mx and ID to 1645 t/out (CB). And at \*0100 w/IS, pips, anmt in EE and lang, into pops. Listenable, and many

- 15128y W.PAKISTAN Interwing Svc from Islamabad, Bengali chants 1315(BB)  
 15130 USA WNYW, nx and mx hrd 2030-2215\* (DN).  
 15120 VATICAN VR, EE to India, vy good to 1514\*. NF (LM).  
 15120 N.KOREA Pyongyang, opens SS xmsn 0100, into tlk (ARN).  
 15155 CUBA Havana, "Voice of Vietnam" prgm hrd at 2030 (RFB).  
 15160 CUBA Havana, SS 1945-2000, QRM frm S.Afr (RDA).  
 15160 S.AFR. RSA, IS to 2000, then EE ID (RDA).  
 15165 CHINA See 10/71 LR. Should be "NF // 15520" not ex-15520 (LM).  
 15165 DENMARK RD, Danish tlk to 1916, then EE ID and off after anthem (JK). EE ID 2000, then Danish to SA (JBa).  
 15170 LIBERIA ELWA, AA sermon 2035 (BP), into FF w/FF ID at 2029(BS).  
 15180 INDIA AIR, home nx in EE at 0930, to 0935\* (BP).  
 15185 FINLAND Helsinki, good to NA w/Finnish nx, folk mx, 1200 (TB). Finnish 1530, EE to Eur 1800 (JA). Poor in EE to 1828\* (JK).  
 15195 JAPAN NHK, IS hrd amid QRM 2158 (ECS), good w/15-min EE nx, then into Jap (JA). Also good w/N:E at 2300 (JS).  
 15200 NIGERIA Lagos, EE cmtry at 1803 (BS).  
 15230 AUSTRIA Vienna, \*1900 w/IS, GG ID, into E.Afr svc.Low,shaky(ECS).  
 15245 CONGO Kinshasa, ID 1830 in FF, then speech, tlks, but ruined by VOA at 1928 (HM). Also hrd w/Afr mx at 0240 (JDT).  
 15260 RSFSR(Eu) Kazan(listed), EE to UK, vy good at 1130 (AWB).  
 15260 VATICAN VR, IS 1904 and then into AA, ex-15255 (JDT, AKC). Also hrd here in EE at 1935-1945, over jammer (LM).  
 15260 ASCENSION BBC relay, nx and prgms in EE hrd 2317 (VA).  
 15265 AFGHANISTAN Kabul, EE 1800, cmtry, mx, poor, //25 mb(ancd)(AWB).  
 15275 W.GERMANY DW, nx and mx hrd 2100-2200 (DN).  
 15275 POLAND Warsaw, E.Afr svc at 1235, w/cmtry (BS).  
 15285 W.PAKISTAN Karachi, natl songs, lang at 0940, ex-15290 (BP).  
 15300 ECUADOR HCJB w/EE to Eur at 1948, //21460, 17880 (JDT).  
 15305 PHILIPPINES R.Veritas, Thai svc hrd 0020, ex-15300 (BP).  
 15320 CANADA CBC, N:E to Eur, //15325, 1514-1520, but off by 1538 while 15325 still on (LM). Also good in FF at 2010 (BL).  
 15345 KUWAIT Hrd w/N:E, ID 1620, continuous pop mx to 1800 (TB,JK, JDT). Then SS nx 1800. Peaks at 1730, fading by 1800 (JK).  
 15370 TAIWAN VoFC, Jap svc at 0905, usually jammed (BP).  
 15380 RWANDA DW-Kigali, GG concert mx, tlks, 2200-2240\*. Good (AWB).  
 15418y ALGERIA "Voice of Storm" prgm 1830-1930, IDs, tlk (LM). Also to 2055\* after Koran, w/RNE-1520 QRM. //9660 also hrd (BP).  
 15424 GREECE NHBI, N:E 2220, FF till 2230a\*. Vy probably new hi-pwr xmtr (ARN) Recent QSLs I think say it's still the old xmtr(Ed).  
 15425 AUSTRALIA RA good w/soccer game at 0715. That's Perth(JS).  
 15435 TANZANIA RT, EE tlk, Afr mx 1910-1940 (RSH). EE ID 1930, then lang tlks (DJ).  
 15445 JAPAN NHK, EE Lstnrs Corner 0007(BS), N:E 0030-0045, fair(JPR).  
 15485 CLANDESTINE R.Port.Livre, ID and tlk hrd at 1912 check(RFB).  
 15500a COLOMBIA HJB, Ministerio de Comunicaciones, Bogota, relaying R.Nacional 2016 w/clas.mx, jazz. Vy strong(RWP). Also exc arnd 2300 w/instr mx, occasional aunts and IDs (AWB).  
 15790 CLANDESTINE VoMalayan Revol, CC to 2320, then Tamil tlk to 0000\*(LM). Fantastic sig, ID at 2359\*(DJ).Mandarin hrd 1200(BB).  
 16105 CHINA CPA, YL anc, revol mx, nx. Hrd 1200, also 0110-0130(LM).  
 16320y N.KOREA Pyongyang, SS to LA, \*2300-2340. Vy good w/nx, mx, cmtry, //15150v (LM).  
 17489m CHINA Peking, 0115, exc w/EE cmtry on LSB (RBO).  
 17705 PHILIPPINES SEARV, special test to India, EE ID every 5 minutes. Hrd 0230 to 0300\*, asking for rpts. Conclude test 1130 (BP).  
 17720 FRANCE Paris, EE "Paris Calling Afr" 2015-2100, w/nx, mx, cmtry, good reptn (JPR).  
 17725 UAR Cairo, EE ID 2035, then Afr vocals (BP).

- 17755 AUSTRIA Vienna, GG ID 1045, mixing w/USSR. NF ex-17785 (BP).
- 17785 JAPAN NHK, N:E, features in Genl Svc, 2300 (AWB), and Jap lesson at 0020. Fair (WT).
- 17810 PHILIPPINES FEBC, CC mx 0040, IS 0100, ID in lang (RBO).
- 17820 CANADA CBC noted giving fqys at 2045 (DN).
- 17825 JAPAN NHK, N:E, cmtry, tourist info, fair-good at 0030 (TB).
- 17835 MEXICO XERMX, SS interview, then vocals at 2035 (BP).
- 17865 PORTUGAL RFE at 1315 w/multi-lingual mx prgm. Nx 1900 (AWB).
- 17885 VATICAN VR, EE rel nx, good at 1620 (AWB).
- 17914 ECUADOR HCJB, EE rel prgm at 1415, high noise lvl.Odd fqy(ECS).
- 17930 W.PAKISTAN, Karachi, fair w/N:E 1335, slow speed (AHR).
- 21460 ECUADOR HCJB, 1330-1630\*, "Morning In The Mntns" at 1430 (DN).
- 21480 S.AFR. RSA, mx, mailbag to close at 1827. All EE (WT).
- 21505 SWEDEN Stockholm, NF, EE vy good at 1400 (AWB). Ex-21625, IS, ID, nx at \*1400-1430\* (LM).
- 21545 GHANA Tema, farming tlk in EE hrd 1500 (RFB). Local mx, tlk, poems hrd at 1510-1528\* (JDT).
- 21640 HOLLAND RN, good w/Happy Stn, mx, 1830-1835 (WT).
- 21655 NORWAY Oslo, hrd 1611 w/tlk on soccer, and mx, all EE (JDT).
- 21690 GRENADA WIBS, local mx hrd 2025, nx headlines 2030 (BS).
- 25650 ENGLAND BBC, exc in WS 1430-1600 (LM), closing 1615 (BP).
- 25730 NORWAY Oslo, hrd w/Norw cmtry at 1110, tho band gnlly poor(BP). Norw nx good at 1314, //21655, 21730, 17825 (CRL). Hrd exc to 1430 in EE, //25900 (LM).
- 25900 NORWAY Oslo, IS 1454, Norw/EE ID 1500, into Norw nx.Weak(CRL).
- 25790 S.AFR. RSA, EE play, vy good at 1440, //21535 (LM).
- 25790 HOLLAND RN here after RSA goes off, in SS to LA on Tues/Fri. Vy good at \*1558-1616\* (LM).
- 27790 S.AFR. RSA, EE to Afr at 1350 w/concert mx. Good (TB). Might you mean 25790? (Ed).

Thanks to this month's contributors . . .

- |                                    |  |
|------------------------------------|--|
| AAM Albert A.Miller, Jr, OH/HRO500 | JDT John D.Tuchsherer, WI/HQ100A       |
| AG Art Glover, WV/HQ180A           | JK John Kolb, CA/SPR4                  |
| AHR Al H.Reynolds, VA/SPR4         | JPR James P.Ronda, OH/RF5000           |
| AKJ Alan K.Jeeves, DC/Nordmende    | JR Jim Roberts, Manitoba/9R59D         |
| ARN A.R.Niblack, IN/SX100, Hq200   | JS Jerry Stuart, OK/SX190              |
| AWB Alan W.Brooks, NH/DX150A       | LM Larry Magne, PA/R4B                 |
| BB Bill Berghammer, NY/SP600       | MAF Marlin A.Field, MI/SX100           |
| BL Bernard Lenouval, Toronto, Can. | MM Mildred Marshall, NI/SK122          |
| BP Bob Padula, Melb., Aus/CRL00    | MSK Mark S.Konen, WI/SX71              |
| BS Bill Schultz, PA/SW4A           | RB Ron Bruns, MO/DX150A                |
| CB Chris Brooks, CO/R4A            | RBO R.B.Odlin, WA/R4B                  |
| CRL Chris R.Lobdell, MA/SW4A       | RDA Richard d'Angelo, NY               |
| DJ Dan Jamison, KY/R390            | RFB Robert F.Bruce, Scotland/Edystn94C |
| DN Doug Nathman, FL                | RSH Richard S.Heggs, Br.Col.           |
| DW Dave Williams, OR/75S3C, SPR4   | RWP Ralph W.Perry, IL/S85              |
| GH Glenn Hauser, TX/HQ160          | SPD Steve d'Adolf, MA/R530             |
| GLD Gerry L.Dexter, WI/HQ180, R4B  | TB Tom Bauman, MA/DX150A               |
| HM Hank Michalenka, RI/R4B         | TG Tom Gavaras, MN                     |
| HS Harol Sellers, Ont./R4B, 9R59D  | TW Tom Williamson, Ont./HQ180          |
| JA John Alcock, FL/SX43            | VA Vic Argabright, CO/GR64             |
| JBa John Banta, NY/SX110           | WT Walter Trkula, PA                   |

No room--or time--for chatter this month, except to wish you all a HAPPY HOLIDAY SEASON!

Good DX and 73 -- Jerry Berg

Last Minit News/Tips

FLASHSHEET

Last Minit News/Tips

FLASHSHEET

AL NIBLACK-EDITOR, 420 SHELBY ST., VINCENNES, IND. 47591

DEADLINE 20TH OF MONTH.

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OCTOBER 1971: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 11-5-71- 1-74, 2-58, 3-48, 4-33, 5-53, 6-40, 7-43, 8-45, 9-38, 10-40, 11-23, 12-39, 13-32, 14-25, 15-17, 16-24, 18-39, 19-40, 20-64, 21-73, 22-72, 23-78, 24-77, 25-87, 26-80, 27-79, 28-63, 29-57, 30-50, 31-59 MEAN 50.8 (Going down, low band conditions are FB; Editor)

PREDICTIONS: NOV-50 DEC-48 JAN-47 FEB-45 MAR-43 APR-42 (Grady Ferguson, No. Car.)

AFARS & ISSAS (ORTF) R. Djibouti, 4780, with native music till 2200 fade out. (Marlin Field, Mich.)... Heard from 2128 tuning, with possibly Somali music, good lvl. (Al Niblack, Ind.)... Djibouti QSLed via folder card in 18 days!! (Don Jensen, Wisc.)

AUSTRIA 6255.2 Austrian Army Radio heard from 0430 S/on-0515 T/out, with YL & OM annncs, pops, classical music, very possibly some ads, all in GG. (Ed Shaw, Va.)

AUSTRALIA 7185 RA in EE with news, ID, music, good signals 1200-1210 (Bill Whitacre, Mich)

AZORES 4865 "Aqui Ponta Delgada" in PP, 2046-2210, music, good signals (Bill Whitacre)

BRAZIL R. Nacional, Rio, 11795, at 0114 with ID in EE, FF, and PP, followed in native. (Bill Schultz, Pa.)... R. Dif. de Sao Paulo, 15155, logged 0030 in PP, music, ads, full ID 0031. (John Banta, N.Y.)

CAMBODIA Incidentally, this station has officially renamed itself as the Khmere Republic. When writing it might pay one to address them by this title. And, they are well heard at 6032, around 1200, QRM de RA, in FF. (Ralph Perry, Ill.)

CAMEROON R. Yaounde, 4973, 2221-2300 S/off, FF with pops, good lvl. (Bill Whitacre)

CHILE R. Corporation, 15150, logged 0110 in SS. Prgm consisted of Castro speech with wild crowd applause, full station ID. (John Banta)

CHINA (PR) (FLASHES) Foochow logged at 1213 with commentary in CC, 2340 kcs. (Dan Jamison, Ky.)... 2475 At 1207, Hangchow, also logged with commentary in Chinese. (Dan Jamison)... 2600 // 3199 // 3400 // 3535, PLA (Peoples Liberation Army, Govt.), all logged from 1151-1241, in CC. (Dan Jamison)... 2600 Chinese talk hrd at 1118, Fukien. PLA listed there. (Glenn Hauser, Tex.)... 6840 (TENT) INNER MONGOLIA Huhehot, at 1352, with prgm unlike R. Peking. (Dan Jamison)... (FLASH, FLASH) 8780V (TENT) Logged 11/4, 0832, the Chinese Fisheries Station with YL in Chinese, weak lvl. (Dan Jamison) (Dan, that rhombic is a secret weapon, Editor)

COMORO IS (ORTF) R. Moroni, 7260, is often audible hear in Indiana after BBC S/off at 0415A, with instrumental music and YL in FF, some QRM de AROs. (Al Niblack)

COLOMBIA 6065 Something called, "R. Super", Bogota, is here boasting typical SS music, many IDs. Best after VOA closes nearby fqy, at 0600. New station? (R.B. Odlin, Wash.)

FINLAND RF has returned to 9585 for noted with EE to NA at 0200, good lvl. (Rich Heggs, Canada)... 9585 Heard in EE with talk on Finnish weather ending at 0228, 11/21. (M. R. Leonhart, Ind.) (R.B. Odlin)

GREECE NBI, Athens, heard irregularly 2215 in EE, on 15345, poor lvl. They QSL quickly and completely if IRCs are inclosed. (Ed Insinger, N. J.)

GREENLAND 11745 Gronlands Radio, Godthab, in possibly Danish, poor lvl, ID at 1503. (Bill Whitacre)... This one noted 1655-1705, Gronlands Radio I think, but watch it, latest checks show Paris is now using and blanketing the fqy. (Al Niblack)

GREAT BRITAIN Current schedule to NA: 15260, 1500-1515; 11780, 2115-2330; 9580, 2130-0330; 9510 (ASCENSION) 0030-0330; and, 6110, 2115-0415. Valid till Mar. (Dr. R.E. Wood, La.)

HOLLAND (FLASH) RN annncing that skeds available re MADAGASCAR TESTS. (Ed Insinger)

INDONESIA In re RRI, Manokwari, 6193, letter QSL from Director, dated Oct. 14, '71,

tates that they are still on this fqy (6193) despite erroneous reports otherwise (Ralph IRAN Tehran on new 11935, in clear 1730 with EE ID, asking for reports to PO Bx / Perry) 14-1170. (John Creamer, Colo.)

IVORY COAST Abidjan on 11920 around 1900, Afro music, FF anncts. (Dick Heggs)

KOREA (N) 2850 R. Pyongyang observed 1149 in Oriental language and music (Dan Jamison)

...Pyongyang, 2850, no doubt, Korean talk, at 1252, 11/16. (Glenn Hauser)

KOREA (S) 2510 At 1200, Seoul (Taegu?), with possibly news on the hour. (Dan Jamison)

...VOFK, 15430, 0230-0300, SS, into EE, ID quite readable, cmntary, music (Anthony Marks, / Ore.)

PLEASE TURN TO OVERLEAF

LEBANON Beirut to NA now 9545V, 0130-0400, with EE 0225-0255A, new fqy. (August Balbi, ...R. Lebanon heard on 9540, 0230-0256 in EE, 11/9; FF 0130-0158. (M.R. Leon- /Calif.) hardt)...RL, 9545, new fqy, booming in to WCNA in EE, 0230 daily. (R.B.Odlin)

LIBERIA 4770 ELWA found at 2200 with religious prgmg. (Marlin Field)

LIBYA RL on 8630, now an easy logging if needed. Hrd 0550 and 2225. Always QRM but not too bothersome. (John Tuchscherer, Wisc.)

MONGOLIA(OUTER) Finally!! Ulan Bator, EE news by OM, 1228, on 8890. (Dan Jamison)

MOROCCO 11735 RTVM logged 1700-1800 in EE by M, music, full station ID. (John Banta)

PAPUA/NG Port Moresby, 4890, in EE from 1306-1402, usual fine lvl. (Bill Whitacre)

PERU (FLASH) Peru has taken effective Govt control of all radio and TV stations there. As to effecting DXers, the chief change will probably be that the Govt plans to re-locate many of the present urban stations to remote areas not now served adequately. (Larry Magne)

PHILIPPINES 7225 FEBC, from 1200 to 1340 fading, some EE, other lingos. (Marlin Field)

POLAND Warsaw on unnamed 7270, nice lvl, but AROs. (Ed Insinger) (Time, please, Editor)

...R. Warsaw wanted now in EE to NA 0300-0325, 6135, vy gud lvl. (Larry Magne)

SAHARA(SP) (TENT) 7230 Heard with RNE IS at 0756. Fanfare of trumpets and drums 0800; S/on by M in possibly AA, chanting followed. (Bill Schultz)...Checked this at 0815 this AM, vy good lvl in AA on 7230. Conditions are currently excellent, Editor)

SEYCHELLES Victoria, 11950, 1830, EE ID, music. good lvl. (John Creamer)...SEYCHELLES, 11935, now 1700-1800; at 1800 moves to 11950, tests in EE and AA. (August Balbi)

SWITZERLAND SBC, 9535 noted at 0410, rather weak lvl. (Jerry Stuart, Okla.)

TANZANIA 15435 S/off 1945, new time, no EE. (August Balbi)... This one heard at 1945 S/off, 15435, with an EE ID at closing. (Jon Williams, Indiana)

TURK & CAICOS IS Cable & Wireless Lmtd QSLed in 17 days for my report. (Al Niblack)

UPPER VOLTA "Ici Ouagadougou", 4814, in FF 2227-2300 S/off, fair to gud (Bill Whitacre)

USA WINE, 15340, new fqy, heard 2118 with EE ID, sacred music followed. (Bill Schultz)

...KGEI S/on 0100 on new 11880, religious format. (August Balbi)

VATICAN 7250 VR with EE ID 2055, EE news followed. (Marlin Field)

VIETNAM(N) V of V HS noted on 7393 // 10118V with ID, 1114, "Dai la Tieng Noi Viet Nam", so FBIS incorrect in listing 10118 as Giai-Phong. (Larry Magne)...Hanoi noted varying 15005 to 15010, FF 1830, EE 2000; 12040 from 12025 // 10037, EE new 1530 (August ...V of V, 12028, 1550, EE news and comments, until 1600, fair sigs. (Mark Duba /Balbi)

ZAIRE New name for formerly Republic of CONGO; Lubumbashi, hrd 2000 (Aug- /Vt.) ust Balbi)...This one, now ZAIRE, logged on 11864 in FF, 1920-1945. (Dick Heggs)

ZAMBIA 7240 RZ logged 0630-0700 when into church svc; YL annor. (Ed Shaw)

CLANDESTINE BULGARIA 7335.3 Radiofonikos Stathmos I Foni Tis Alithias, in Greek, noted 0430-0500. Flute IS, mostly talks by W... In reply to a report to Radio Ruzkadi I received a small publication mailed from JFN Associates, 77 Water St., New York, NY. Has any one else had the same?? (Harold Sellers, Canada) (Yes, but issue is cloudy, Editor)

HARMONICS 2880, COLOMBIA, 0030 R. Tulua heard again on 2x1440 w/local ads (Glenn Hauser)... 2090, 0306, GUATEMALA TGSL, R. Sol, Santa Lucia, Cotzumalguapa, with an 0220 ID, rock music, boings. Nominal 1050, but currently 2x1045, 11/10. (Glenn Hauser... 2201, 0110, NICARAGUA, La Voz de la Victoria, all SS, harmonic of 1100. (Dan Jamison)

ERRATUM (so-called) Re a correction in a previous FS, and listings: Listing of R. Mexico on 9705 is correct; R. RSA left 9705 months ago. Marlin Field's logging of R. XEWW, 6165, 0620, is correct, I find as I have logged them running past 0640. As to LOL, 15000, would depend on propagation as to what was most audible on fqy. (Dr. R.E.Wood; Ralph Perry; Dick Heggs; Glenn Hauser) (Now, the other side has been presented, Editor)

ACKNOWLEDGEMENT: Thanks to the 24 reporters (count them), who gave such solid support to the FS this month. All are APPRECIATED. Please come back. This is the last time I will greet you before the holidays. To all reporters and NASWA membership, may your Xmas stocking be filled with QSL catches! On a more somber note it is most sincerely hoped that this coming year will bring the beginning of an era of peace.

Your Editor spent a most enjoyable time with Dan Jamison at the MARS Station at Ft. Knox recently. Dan is a communications officer there. Who should be there when we walked in but NASWA member Jon Williams, who had his SPR-4 also fired up. It was interesting to look at the MARS communications equipment and the Antenna Farm. I love that "Farm". Please phone last minute flash items to 882-5976, after 2200 GMT.... 73, AL