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NORTH AMERICAN SHORTWAVE ASSOCIATION

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OCTOBER 1969

VOLUME 8 NO.10

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

THANKS DUE

In this edition we find the initial efforts of new staff members Bill Matthews, SWC Features Editor and Bob Hagerman, SWC NewsRoom Editor; They deserve much thanks for taking on the tasks involved and for making such a good showing in their first "go". It can be seen that if they are given support, their sections will benefit all. Thanks too are due our QSL Editor, Gregg Calkin and our Log Report Editor, Dan Ferguson as well as our FlashSheet Editor, Al Niblack for their continued reliable efforts. Few members realize the tedious work and the time required in editing these sections. Thanks are also due our certain older members for their regular support/reports, and to a number of our newer/younger members without whose cooperation and support, our bulletins would be less useful, less worthy. Many times Hdqs is given thanks that could in all meaning, be given those editors and members pointed out above; It should be remembered that although Hdqs has its share of work, the various section editors and supporting members have theirs also in particular ways. It takes the efforts of all and cooperation of all to operate the club and put out informative, useful bulletins. B.E.

POSSIBLE CHANGE IN FORMAT

In near future it may be that our Log Report section will be co-edited. That is to say it will be done by two editors...one doing the higher frequencies, one doing the lower frequencies. Idea/purpose is to lesson the workload now done by one man. The Log Report section,,, other than the QSL Report section, requires more time and effort than any others in our bulletin. We cannot expect one man to be so overburdened and still maintain the quality section he (Dan Ferguson) has been giving us these many months. Be alert for possible announcement here related next month. B.E.

ADVANCE NOTICE

It may seem a bit early, but we would like to mention that since contents of our bulletins are prepared two weeks prior to mailing from Hdq, and since our "Holiday" editions are usually mailed in advance, all members are requested to have December reports, articles, etc., to editors no later than November 10th. This is for the December edition only! Your cooperation will be appreciated. Good support means a good bulletin. We hope to have a number of extra's and specials for this "Holiday" edition.

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NEW MEMBERS, WELCOME!

Bill Andrews, Fort Payne, Alabama. Sears "Wayfarer". Via PE Comm. Handbook.
 Harry H. Johnson, Whittier, Calif. Hammarlund SP-600. Via member- August Balbi.
 Howell Reader, Memphis, Tenn. DX-150. Via Popular Electronics magazine.
 David Levy, Milton, Mass. Normende "Globe Traveler II". Via Boys Life magazine.
 Chester Dement, Charlotte, N.C. DX-120. Via member- Grady Ferguson.
 Homer Ingler, Durant, Fla. Lafayette HE-30. Via Electronics Illustrated magazine.
 Steven Fix, Rochester, N.Y. G.E. Triband. Via PE Comm. Handbook.
 Kibbe Peirce, Old Forge, Pa. Grundig "Satellite" 5000. Via WRTV.
 Edward Dunnavant Jr., Brooklyn, N.Y. Drake SW4A. Via PE Comm. Handbook.
 Lee Stang, Derwood, Maryland. Heathkit GR-64. Via WRTH.
 Richard Clark, Pittsburgh, Pa. Hallicrafter SX-62A. Via WRTH.
 Milton Kean, Fort Payne, Alabama. Allied A-2515. Via ASWLC.
 Carroll Patterson, Decatur, Georgia. Hallicrafter SX-99. Via WRTH.
 Harold Cook, Columbus, Nebraska. Hallicrafter SX-122. Via ANARC.
 Gregory Danzker, New York, N.Y. Heathkit GR-64. Via Popular Electronics magazine.
 Paul Manning Jr., Medford, Mass. Hallicrafter S-120. Via "DX Jukebox" R. Nederland.
 James Young, Wrightwood, Calif. Hammarlund HQ-100AC. Via NNRC.
 Chris Goodwin, Ridley Park, Pa. Hallicrafter SX-120. Via WRTH.

RENEWALS

Second year: Bernard Heckel, Tom Ray Jr., Irwin Glasberg, Ron Vysocky, Whitford Cole W.R. Mitchell, C.W. Chadwick. Third year: Larry Zamora, Gordon Nelson, Clarence Poole Bob Hagerman, Fourth year: Bob Padula, Rog Camire, Andy Rugg. Fifth year: Gary Wallin, Marvin Nelson, Merlin Field. Sixth year: Right Honorable August Balbi.

HELPING HAND SERVICE

For Sale: Heath "Q" Multiplier, model GD-125. Fully wired, complete ready to use. Ideal for GR-64 for improved SW reception. Reasonably priced. Write; Edward Insinger, 24 Madison Avenue, Summit, N.J. 07901.

LATEST/RECENT AWARDS EARNED

NASWA Awards Chairman, Warren Nordgren, informs us of the following awards earned: WorldWide DXer- Robert Hagerman (100 countries) Stanley Mayo (75 countries) J.E. Kitchen, Mark Mohrmann and Larry Scoville (50 countries). Continental DXer- Stanley Mayo (Europe, 28 countries). Our congrats to these members. Chairman Nordgren and Hdqs are presently giving consideration to other awards to be added to our present program. One in particular, concerning Missionary stations, should meet interest of many. Watch for announcement(s) in upcoming Trendx.

NEW MAGAZINE

A number of letters have been received at Hdq in regards to "Radio Today", the new magazine to be released by Wayne Green, publisher of "73". There appears to be some confusion as to just what it will cover/contain. According to info we have, the magazine will be basically for listeners, yet will also have data for novice amateurs, CBers and radio control. Listeners will include every type from MW, SWBC, UTE, to Space Ship, Satellite, TV, RTTY and a number of others. Articles on equipment, accessories and antennas will also be covered. Mr. Green states that which ever departments are best supported, will be best covered. (Same as is true with club bulletins!) Major part of contents will depend on the articles submitted by hobbyists, for which they will be paid. Subscription is \$5.00 per year. (It is not clear how many editions per year this covers.) For added info or to subscribe, write; Radio Today Magazine, Wayne Green Editor, Peterborough, New Hampshire 03458. (To those of you who have inquired, Mr. Green states, "Ralph Irace Jr. is no longer connected with Radio Today".)

NEW LOCATION

The Canadian International DX Club, Lorne Jennings-President, has moved headquarters to 169 Grandview Ave., Winnipeg, Canada. Publishing of "Messenger" will henceforth be done by Barry L. Jones, 90 Northwood Dr., Willowdale, Ont., Canada. CIDXC is the only active DX club in Canada today.

A Technical Report on

THE HEATHKIT-SB-310

by Bill Murray & Price Kagey

Two years ago this summer, the Heath Company announced the release of a new receiver designed expressly for the shortwave listener. This receiver was the SB-310 and was patterned after their extremely popular and widely acclaimed SB-310 (and present SB-301) amateur band receiver.

DESCRIPTION

The SB-310 is a dual conversion receiver utilizing 10 tubes and 8 diodes to cover the major international shortwave bands, three amateur bands and the citizen's band. The shortwave bands include: 49m(5.7-6.2 MHz), 41m(7.0-7.5), 31m(9.5-10.0), 25m(11.5-12.0), 19m(15.0-15.5), 16m(17.5-18.0); the amateur bands are: 80m(3.5-4.0), 40m and 20m(14.0-14.5); the final band is the 11m citizen's band (26.9-27.4). A conversion kit is available to include part of the 15m amateur band and all of the 13m shortwave band(21.3-21.8); this replaces the citizen's band and costs \$9.95.

The SB-310 has the following features: 100 kHz crystal calibrator, product detector for SSB/CW, an IF noise limiter, 2 speed AGC, a preselector, an S-Meter that works in all modes, crystal filters(audio) for AM(furnished), SSB(optional) and CW(optional), crystal-controlled tuning for linear, 1 kHz frequency readout, 120/240 volt wiring options, tape recorder and hi-fi outputs and 1 watt of audio. The antenna input circuit is designed for a 50 ohm(nominal) unbalanced antenna which is connected to the SB-310 with a phono plug.

CONSTRUCTION NOTES

The SB-310 is not a receiver for those who have not had prior experience with kit assembly. However, Heath has gone out of its way to make it a reasonably easy kit to assemble. The average construction time is 20 hours, according to Heath, and the authors agree. Don't try to set a record--\$250 is a lot of money to waste on a hurried, careless assembly.

If you have never built a radio or other electronic equipment, the authors recommend that you build a VTVM(Vacuum Tube Volt Meter) to gain some experience; the VTVM will be used during alignment. The minimum tools needed are a soldering gun or iron, screwdriver, long nose pliers, push-to-open tweezers(or similar heat sink), wire stripper(razor blade), wire cutters, ruler and plenty of light.

Before you purchase the receiver or just before beginning assembly, ask yourself if you want to add the 15m conversion kit and/or the optional SSB/CW crystal filters sometime in the future. They will be much easier to add during construction than several months or years later. Price added the SSB crystal filter about 8 months after finishing and I added the 15m kit about a month later; both of us wished that we had done it during assembly.

When you are working on the printed circuit boards, go slowly to prevent errors; even these can be wired in about an hour each. The circuit paths on these boards are very narrow and close together; take care when soldering that you don't bridge two paths with a messy blob of solder. Several diodes must be soldered on the boards and in the power supply. Heath gave no warnings about heat-sinking their leads when soldering them. So save yourself some time and money and sink that lead with the tweezers between point of soldering and the diode body.

The remainder of the wiring goes together rather quickly. Even the wiring of the 21 coils takes only an hour. When installing the preselector capacitor, add a third solder lug in line with the other two and point all three towards the capacitor lugs. Later coaxial cables will have their shields connected to these lugs;

then, only the middle pair of cable shields will have to share a lug rather than 3 of the 4 shields. This will serve to prevent the occurrence of images on some bands. With all of the coaxial cables, keep the shield covering as much of the inner conductor as possible. The bare wire from the mode switch shield should be positioned along the chassis.

The messiest area is the wiring of the power supply. You will find that those 2 watt resistors are practically impossible to fit in the space allocated. Price and I mounted them vertically and used plastic sleeving on their leads. Heat sink those power supply diodes, too, when soldering them. This is one area that should be placed on a printed circuit board.

The most critical area of the entire assembly is the mechanical assembly concerning the LMO and the main tuning dial. The LMO comes already fully assembled but getting it and the dial aligned is the touchy area. Get this procedure correct even if you have to do it 20 times until it is correct. Once the front panel is connected, both electrically and mechanically, to the receiver, you will have a devil of a time getting it correct later. Just follow Heath's instructions to the letter and don't take shortcut. One bit of preventive medicine with this stage of assembly is to coat the rear hub of the zero-set pulley with solder. The rear plate of this pulley is merely force-fitted to the hub; under pressure, this plate will pop off. The solder will keep it on tightly.

Alignment is a snap. The entire process should take only an hour. The only equipment that you will need is the VTVM as all calibrating signals are furnished by the crystal calibrator. After a few months, it might be wise to re-align the receiver when you become more familiar with it--and have recovered from assembly.

OPERATOR COMMENTS

The SB-310 is without a doubt one of the finest receivers that we have ever operated or owned. Price and I know of no other receiver below \$400 that would even approach it in every aspect. Some receivers will have one or two better features, but none will outclass it in every area of comparison.

It is quite a thrill to be able to pre-tune to a station's frequency and know that you have a chance to hear it because you are on the right frequency; likewise, it is equally rewarding to say with authority that you are on such-and-such a frequency and know that you are within 1 kHz of that frequency. It takes four turns of the tuning knob to cover 100 kHz and there is 1/8" between each kiloHertz!

To me, one of the nicest surprises was to find that the Noise Limiter did not distort the audio like most noise limiters. Many of the ANLs in use today work on the noise impulse in the audio section of the receiver; as you may know, this usually does more damage to the audio than to the noise. The SB-310's ANL does its thing in the IF section before the noise has much of a chance to get farther along in the receiver. The result is absolutely amazing: the noise is practically eliminated but the audio is not distorted at all. The only drawback: it weakens the signal.

The S-Meter works in all three modes, a feature that many receivers do not have. Thus, when you are listening to a CW or SSB signal, the meter will continue to operate. I wrote to Heath about the calibration of the meter: S-9 is equivalent to a 50 microvolt signal on all bands except 31m where it is 100 microvolts. Each S-unit is linear; thus, a signal of S-3 on 31m is equal to a signal of 33.3 microvolts. One word of warning: the RF gain control causes the S-Meter reading to advance when the gain is reduced. Therefore, if you can barely hear that 40db over S-9 station, check the RF gain control's position.

Continued next page...

CLOSING

Both of us feel that this receiver should become the second receiver of an SWL who possesses a good general coverage receiver but is looking for a superb specialty receiver to cover bands of special interest with excellent frequency readout and sensitivity. With a good general coverage receiver and the SB-310, it is like having a station wagon and a Lotus in the garage--one for general purposes and that special one for very special occasions that will perform so superbly when called upon to do so.

Bill Murray and Price Kagey

EXTENDING THE COVERAGE OF THE SB-310

One disadvantage of the Heathkit SB-310 is the limited frequency coverage available. This can be corrected to some extent with the use of additional crystals. I bought type EX crystals from International Crystal Company.

To compute the new crystal frequency, add 8.895 to the lowest frequency you wish to cover. For example, the crystal for the existing 80m band is 12.395 which is 3.500 MHz plus 8.895 MHz.

When changing frequency coverage, try to stay within the range of the heterodyne oscillator coil. Thus, to tune 3.0-3.5 MHz don't use the heterodyne oscillator coil associated with 40m(7.0-7.5 MHz)--use the 3.5 MHz coil.

With this method, I can cover 3.0-3.5 MHz (crystal frequency 11.895) and 4.6-5.1 MHz (13.495 MHz) using the 3.5 MHz circuits. I also cover 6.2-6.7 MHz (15.095 MHz) with the 5.7 MHz circuits and 21.4 -21.9 MHz (30.195) using the 17.5 MHz circuits.

After changing a crystal, don't forget to re-align the receiver, using the VTVM, and touch-up the antenna and RF coils for that band. This should take only a few minutes.

The best thing is to buy one crystal and see how it works. If all goes well, buy more.

Dan Ferguson

REVIEWS OF THE SB-310

The SB-310 has been reviewed in two magazines for a total of three articles.

1. Popular Electronics, "Professional SWL Receiver", April, 1968, pp. 72-73.
2. Popular Electronics, "Dream Receivers for the SWL", October, 1968, pp. 53-58.
3. Radio Television Experimenter, "Heath Model SB-310", June-July, 1968, pp. 73-'74, 127-128.

The October issue of Popular Electronics listed above also compared the SW4A, the R4B, the R-530, the HQ-225 and the SS-IB3.

Bill Murray

The preselector is very touchy on 31m but is very wide and forgiving on all other bands. If the control is off by a gnat's eyebrow on 31m, the signal will be attenuated very severely. The SB-310 has three spurious images that occur on 10.0, 15.375 and 27.1 MHz and nothing can be done about them. They sound like heterodynes; the only one that is a bother is the 19m one, although the 10 MHz one would be trouble if it were not for the crystal calibrator. While on the subject of preselectors, Price and I are both using external RF preamplifiers to supplement the SB-310's preselector. Some receivers with their own preselectors will not function with an external preamplifier but the SB-310 works quite well with them.

The SB-310 works quite well with a variety of antennas. Price is using a long-wire and I am using a popular trap dipole. Last winter, I picked up an Australian regional using 8 feet of shielded cable! And it was coming in loud and clear.

Our major criticism deals with the selectivity which is fixed for each mode. With all of the filters installed, you have a bandwidth of 5 kHz for AM, 2.1 for SSB and 400 Hz for CW. These filter bandwidths can not be switched from mode to mode from the front panel; the only way is to wire in the desired filter bandwidth in place of another. The one drawback with this method is that the present bandwidths are either too narrow or too wide for other modes. Price found a solution: wire the slightly narrower 3.75 kHz AM filter (for the SB-301) in place of the present 5 kHz AM filter. Unfortunately, there is no way to switch between the 5 and 3.75 kHz filters when the conditions dictate. I wrote to Heath about this and suggested the following: the SB-301 has a 5 position mode switch whereas the SB-310 has a 4 position mode switch. On future models, include the 5 position switch as standard equipment. Then, it would be possible to have two bandwidths for AM (wide and narrow) and the present bandwidths for SSB and CW.

Many of you are probably wondering why the 60m band is not covered. The LMO operates between 5.0 and 5.5 MHz. The LMO is the heart of the receiver and since the 60m band has a portion of its band in the LMO's frequency, serious spurious images would result. Several other receivers have this problem, too, and 60m is not included in their coverage.

Price and I have noted that the increased sensitivity and frequency readout has resulted in many new loggings and/or QSL's. Previously, only on rare occasions could we receive certain stations and usually not well enough or long enough for a decent report. With the SB-310, Price, from his Philadelphia home, has been able to log or QSL: R. Tahiti, R. Casino, BBC Malaysia, R. South Korea, R. Ulan Bator, R. Pakistan and R. Hanoi. My time for DX-ing is rare but I was able to log Switzerland's European Service on both 9535 and 6165 (last winter of course). I have been listening on 30m and have logged most of the Asian stations plus quite a number of stations that I'm not sure about. One nice thing about frequency readout on the SB-310 is that Congo Kinshasa has been noted on 15246 and not 15245. Hanoi seems to shift daily from 15008, 15010, 15012 and 15018. Try that with a general coverage receiver!

We do have some complaints but they are not too many or too serious. We both feel that the preselector should have some calibration. The 15m conversion kit has a rather ugly metal plate that re-designates the bandswitch: why not a simple decal to cover the 26.9 marking? The hairline cursor slips on mine as I tune rapidly from one end of the band to another. A spinner tuning knob would make tuning much easier and faster. The phono jacks are very close together and nearly impossible to identify when one is changing cables: could they be spread out or moved to the chassis top? I believe that the 49m coverage needs to be moved from 5.7-6.2 to either 5.8-6.3 or 5.9-6.4 MHz; there are not enough stations below 5.9 MHz that are worth logging but above 6.2 MHz, there are a lot more.

Continued next page...

THE ART OF VERIFYING

Gregg A. Calkin
NASWA QSL Editor

(Part I)

Most shortwave listeners, when tuning the international shortwave bands, have one of two purposes in mind. Either they are primarily interested in program content or they are interested in the more technical aspects of a "catch". The latter purpose is particularly characteristic of DX-ers, whose main aim is, after logging a "catch", to receive a confirmation of the reception - a statement from the radio station confirming that the DX-er was tuned to its transmission - A QSL in other words.

To receive the QSL from the station, the DX-er must report his reception to the broadcaster, offering details of the program, reception conditions, and equipment used. Stations are interested in knowing how their signals are being received in different parts of the world, at different times, and on different frequencies. They are, therefore, generally pleased to receive a report from a DXer who has picked up their transmission; in as much as it affords the station a type of "listener research" poll of their broadcasting activities. They learn from the DXer's report how they are being received, what interferences are prevalent, how the programming was enjoyed, and the particular interests of the listener. This, in total, enables the station to utilize the best times and frequencies and to better its programs.

All of this leads to the central idea behind all reception reports, and it may be summed up in one word - "assistance". This is the prime objective of the DXer or SWL - to assist the station in acquiring knowledge of the reception of its programs at the DXers locale. This is the primary and most important fact that must be grasped about DXing, and the Art of Verifying in general - that the DXer must approach the received station with the view in mind of providing factual and useful assistance.

As the by-product of the DXer's report, QSLs (verifications of reception) are often sent by the broadcasting services to DXers as a gesture of appreciation. Most DXers treasure and value their QSLs highly, because they are not only documented proof of their individual DX catches from all segments of the globe, but in many cases, are also colorful and exotic conversation pieces among DXers and non-DXers alike.

Not all stations will, of course, reply to listeners' reports. Many stations, particularly those in South America, who are broadcasting essentially to local audiences, are not as interested in knowing how their signals are being received in North America as are many of the large European broadcasting services. To verify these smaller stations is therefore a greater challenge. But most stations, outside those broadcasting to local areas only, are anxious to receive reports and will verify readily. If therefore, some large broadcasting stations have not been answering DXers' letters, the fault may, more often than not, lie in the actual report. There is a definite "art" to sending reception reports, and in recent years it has tended to give way to quickly written, hastily prepared "notes" which are fired off in rapid succession. This tendency toward poor reporting has led to impoverished relations between listener and station, and to the poor QSLs being issued. To bring it close to home, it is best reflected in the low percentages of returns some DXers have experienced.

The reception report is very much the key to numerous verifications, and in the following few paragraphs, a few of the more salient features that ought to be found in the valid and comprehensive reception report are outlined. It is hoped that this will serve as a general guide to both the new DXer, who may have sent few or no reports, and the "oldtimer" of many years standing.

THE ART OF VERIFYING

(continued)

The Actual Report

There are two general methods of sending a reception report. One, and perhaps the most popular method with SWBC DXers is the personal letter, written or preferably typed, giving succinctly all the major necessary information, yet adding a personal tone which is often appreciated by the station. The other method, equally popular with other DXers is the form letter in which blanks are completed, noting the major reception data in this manner. While less personal, these forms are also less time-consuming, and often enable the receiving station to process your report quickly, in as much as all data is visible at a glance in tabular form. It is the choice of the individual listener which type of report he prefers. Form letters are distributed by some radio clubs and organizations, and this has tended to make them popular in recent years. In any case, the SWL ought never to send his report on his "SWL card" alone. This method, used by some less-than-serious DXers is hopelessly inadequate for the broadcasting station. It is impossible to include all the necessary data on a single card. Therefore, use either a personal letter or a form letter and remember above all that the prevailing thought behind any report must be an honest and genuine desire to assist the station in evaluating its listening audience. With this underlying tone, the report will be of more interest and help, and the DXer will be more assured of a reply.

But, in the actual report, what ought to be included? The following should serve as an outline:

1. Date, Time, and Frequency of Reception The month should be written out, never abbreviated by numerals. The Time should be stated in Greenwich Mean Time (and the station's local time if known). Note that the time (GMT) should fall in the proper day (whether preceding or following your local date). The frequency should be given in KiloHertz (KHz.) and meters. Most countries rely on the metric system, and it is therefore advisable to quote in both. These three items are the first and most important to be reported at the beginning of the reception report. Without all this data, it will be impossible for the station to check your report.
2. Reception Data/Program Details It is necessary next to give a brief resume (yet detailed) of the program heard during reception. This ought to include a notation of each item heard, plus the time in GMT. For example:
 - 0100 GMT - Station Identification following Bow Bells: "This is the BBC World Service, London."
 - 0101 GMT -- Headlines, followed by detailed world news in English, read by Ian Dawe.
 - 0110 GMT - Headlines repeated.
 - 0111 GMT - Commentary on the Rhodesian situation and recent talks with Ian Smith.
 - 0115 GMT - Identification by female announcer: "This is London." Etc.

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Part II of the Art of Verifying will be presented in the November issue of FRENIX - ShortWave Center.

Coming up in November, an article on America's official Voice of America.

40 YEARS
SHORTWAVE BROADCASTING IN GERMANY

(DR. W. GEIS/"HALLO FRIENDS")

via

Michael J. Macken

The current Deutsche Welle, the shortwave broadcasting service of the Federal Republic of Germany, is a modern continuation of the old German shortwave radio station which, at the outset, was called the "World Shortwave Service". It began operating officially on 26 August 1929, with a 5 Kw. transmitting power on the 31 meter band. The transmitter had been built by Telefunken and it was operated by the Reichspost.

In 1929, the German radio had been broadcasting on the long and medium waves for nearly six years. At the end of 1929 the number of radio licences issued had reached 3 million. Today, licenses cost the same, 2 Marks.

The "World Shortwave Service" began operating from Koenigswusterhausen on the southern edge of Berlin on the 26th of August 1929 after broadcasting test transmissions for a short period before. At the beginning the station worked a joint programme with Radio Germany. Radio Germany's evening programme was broadcast via shortwave to all parts of the world from 8 pm till 0.30 am. The first day's programme was:--"Der Feldprediger", Operetta in 3 Acts by Milloecker; Conductor, Bruno Seidler-Winkler. This was followed by dance music played by the Egon Kaiser orchestra until 0.30 am.

No opening speech was delivered on that day. No one paid public tribute to this important event. The only information we find today is contained in radio magazines, in Telefunken's archives and in the files of the Federal Ministry of Posts. German newspapers had taken no notice at all.

In 1929 German Radio was broadcasting from the "Vox-House" in Berlin, a large residential block in the Potsdamer-Strasse, which had been provisionally equipped with studios. On that 26th August musicians and vocal soloists had little room to move in those studios. There were no records or tape-recordings as we have today; everything, including the music, was broadcast "live".

In 1929 the task of the "World Shortwave Service" was: "To publicise German art and culture abroad and to create a link with home for Germans abroad and overseas".

By the end of 1929 reception confirmation reports had been received from North and South America, North Africa, Japan, the Dutch Indies, the Philippines, from Russia and Finland. During the Christmas period, 21 American broadcasting stations took over the programmes put out by the German shortwave service.

Before 1929 was out, transmitting power was increased to 8 kW, the first directional antenna went into operation for North America and broadcasting time was considerably increased. At the close of the evening programme, the news of the day was relayed from Berlin Radio.

Scarcely a year later, in 1930, the German shortwave service began broadcasting its own programmes of particular interest to Germans abroad, in addition to the programmes compiled and produced by Berlin Radio and Radio Germany. Foreign language programmes were also broadcast in increasing number.

The German Shortwave Service's history includes also the years from 1933 to 1945 which brought with them an impressive technical extension of the Service and the misuse of mass media for state purposes and propaganda.

These years cannot be forgotten; indeed, we have no desire that they should be forgotten. Nevertheless, we build conscientiously on the year 1929. The tasks, although expressed differently, remain the same. The station's independence as a non-governmental institution, gives it neither permission nor incentive to shape the programmes with less responsibility. The technical

40 YEARS
SHORTWAVE BROADCASTING IN GERMANY
(Continued)

possibilities have been improved to an enormous extent. It all began 40 years ago with a 5kW transmitter. Today Deutshewelle has ten 100 kW transmitters available, and very soon shall be operating a transmitter of 500 kW power.

On the 26th August 1969--that is, 40 years to the day since the very first shortwave broadcasts went over the air--the foundation stone for the new Deutsche Welle Radio Station is to be laid near Mindelheim.

FREE FROM KOREA

Voice of Free China in Taipei has begun issuing a publication entitled "The Voice of Free China Monthly". According to the first issue, the publication is to be issued monthly and will contain news and information about Nationalist China and her relations with other countries. It is available to all VOFC listeners free of charge.

The Voice of Free Korea in Seoul issues - or rather sponsors - a monthly magazine titled, "Korea Today". It features many photographs and a few short articles on life in the Republic of Korea. Sent surface mail, one may apply for it via "The Editor, KOREA TODAY, I.P.O. Box 2506, Seoul, Korea".

WAMatthews

PEACE AND PROGRESS
MOSCOW'S OTHER VOICE TO INDIA AND THE REACTION

(Ernest Wetherall/Christian Science Monitor)

via
Art Palmer

New Delhi is becoming increasingly annoyed with the anti-Indian broadcasts of Radio Moscow's "other station."

"Radio Peace and Progress," as it is termed, has proved a constant critic of the Indian Government ever since it began beaming its programs to the subcontinent some three years ago.

India's Foreign Minister, Dinesh Singh, long a champion of Indo-Soviet friendship, has told Moscow that the broadcasts "will not help relations between the two countries." India's Parliament was told that the Soviet reply to India's objections was, "we will look into it and see what can be done in the future."

The Soviet Union has given a very curious explanation as to why Radio Peace and Progress has continued its tirades against India at a time when relations between Moscow and New Delhi are at their zenith. The Russians have told the Indians, they have "no control" over the objectionable broadcasts because it is a "private radio station."

Radio Peace and Progress began broadcasting from the Soviet Union late in 1964. The first programs were beamed in Spanish to Latin America on frequencies formerly used by Radio Moscow. Two years later, the Indian Government monitoring station in the Himalayan foothill town of Simla began

KNOW YOUR SHORTWAVE RECEIVER

(continued)

In a triple conversion receiver another stage of IF is added operating at a still lower frequency. In both double and triple conversion receivers, images are practically non-existent. A quotation of 5 KHz. at 6 db down and 16 KHz. at 60 db is a standard selectivity quoted by the manufacturers.

Stability is the quality of a receiver to stay on frequency: i.e., once the receiver is tuned to a frequency not to drift, but to remain "on" frequency under varying conditions such as mechanical shock, temperature changes, supply voltage changes, and others.

Thermal Stability (the response of a receiver as it warms up and the value of components change due to heat from the power transformer and tubes) may be accomplished by good design and the placement of heat producing components, plus the use of temperature compensation in critical circuits. Voltage regulation by a VR tube contributes to stability. Continual running separate filament ("heater") supply is an aid to thermal stability.

Mechanical Stability is achieved by the use of a heavy case and chassis with all parts mounted firmly. Look for heavy leads in the RF (Radio Frequency section of the receiver and possibly rubber shock mounts to reduce vibration of sensitive circuits).

A check for stability is to tune the receiver to a rock stable signal, "zero beat" the signal, and note how much the receiver deviates from the standard as it goes through the warm up period. A quality receiver will go through the warm up cycle and settle to reasonable stability within a well defined period. Note: new solid state receivers do this with more ease than do the tube types because little heat is generated.

* * * * *

Part III of Know Your Shortwave Receiver will appear in the November ShortWave Center.

Future articles in Short Wave Center will include a visit to the Voice of America station at Bethany, Ohio, and a series on Clandestines. Articles concerning radio stations, such as 40 Years of German Broadcasting, are desired. It is preferred that they are gathered from material sent by the stations with your observations added to them.

With the season for logging Brazilians coming up, I request that you send articles of this country in time for the December FRENDX (deadline November 15th) --- as the SWC for December will be of extra length as a NASWA Now Year "Bonus".

Finally, send all contributions to me in Columbus by the 15th of the month. If a reply is urgently needed, please enclose a SASE. Thanks!

Bill Matthews

KNOW YOUR SHORTWAVE RECEIVER

Al Niblack

(Part I)

A good shortwave receiver is the basic piece of equipment for every listening Post. Buy or "trade up" to the best one that you can afford. Regardless of how much you pay, your receiver usually requires an overhaul after being used for a period of time. The least you can do is to clean the dust and dirt accumulation from the interior of the cabinet. Tubes do "soften" and should be periodically checked and replaced when necessary. When your receiver is operating properly it will have "ears" that can virtually hear two hot wires rubbed together on the other side of the world.

Man's desire to communicate with his fellow man is ageless. Radio is one medium that makes possible a transfer of information. The hobby of shortwave listening is steadily becoming increasingly popular in this space age. To the listener that sets foot in this world a new horizon of excitement and thrills await his attention.

The beginning shortwave listener, considering the selection of a shortwave receiver, is faced with a glittering array of equipment and glibly informed by the salesman that, "One of these is just the receiver for you." But is it? Caveat Emptor? Why take a chance, the following tips are presented as a guide in the hopes that they may be of help in the selection, and later in the operation of the receiver, as the shortwave fraternity has never done much about compiling a guide to help the fledging beginner, seemingly being content to let him profit by his own observations through trial and error. Experience is a good teacher though it is a bit costly.

Receiver Performance

The three basics of receiver performance are: Selectivity - Stability - Sensitivity. There is a norm for these characteristics that helps determine what you will hear and how well you will hear it.

Selectivity is the quality of the receiver to hear only the station you want to hear and exclude the signals of unwanted stations. In these days of higher and higher transmitting powers and crowded frequencies in the shortwave bands, the result is a "daze" and the heterodyning is horrendous. The overall selectivity is determined by the in-built selectivity and the number of tuned circuits in the receiver. Bandwidth must be sufficient to pass a signal and its sidebands, if true reproduction is wanted. However, in communications, it is considered satisfactory to sacrifice faithfulness of reproduction for readability of the desired signal.

Today's modern superheterodyne receiver is subject to the "image" (repeat point of its IF (intermediate frequency)) problem. In the single conversion receiver (an example: the IF stage operates at 455 KHz.) an image appears on the dials 910 KHz. (2×455) away from the true signal. It may be above the true signal, or below, depending on how the set is designed and aligned. The image will not be as strong as the true signal but it can be annoying and sometimes it is difficult to determine if the signal is a true one or an image. To combat this problem a modern deluxe receiver has two stages of IFs, each operating at different frequencies. At first IF stage operating at 1650 KHz. (for example) will produce a good signal-to-noise ratio. A following stage of IF operating at a lower frequency gives the necessary added gain and needed selectivity. Such a receiver is known as double conversion

Exclusive

THE LOUDENBOOMER REPORT

Exclusive

Look...up in the sky! It's a bird! It's a plane! It's Super DXer!!!

Yes friends...Super DXer. Faster than a next door card swap; More powerful than Bonaire; Able to log 200 countries in a single day! Super DXer, brought to you by those chocolate cookies with the white stuff in between.

Last week, as you recall, Super DXer was called on to solve the mystery of the strange 4883 station. Upon hearing it in the shack of the poor fellow who called for his services, Super DXer thought a moment and then said, "Why thats simple! A combo of Czech, Polish, Albanian, Cebro-Croat, all in a 3-4-2-2-3-8 rotation pattern. I can read the code easily...turns out it merely concerns secret messages in the East European literary underground."

But now what is this? Another problem confronts Super DXer. A call in from Commissioner Gesture of the Benevolent Association Allying All Aural Auditors (BAAAAA).

"Yes Commissioner Gesture? Yes. There's a huge controversy. Yes, and it's tearing your organization apart. Yes. Nobody can agree on what happened to the VOA Marathon Towers? Good grief and great scott sir! Why wasn't I informed of this sooner? A problem of this intense severity is surely a job for Super DXer! I'll take the case sir."

And so saying, Super DXer says the magic words "Heard Everything", and plugging a 6SJ7 into his forehead, soars into the night to seek out this perplexing mystery.

Unbeknownst to Super DXer, evil forces are at work spreading rumors and saying it really dont matter what happened to the towers.

But Super DXer flies onward, stopping in Florida for exhaustive checks there; Then on wing again to London, Francistown, Botswana, Saigon, Venezuela and elsewhere until even he, Super DXer, begins to tire. Yet because he is Super DXer, he continues his marathon search for the facts and truth.

In Florida he is given a grand tour of the VOA installations (and the nasty "so wat" group attempts to maroon him on an uninhabited Key). In London they are uninterested in towers...too expensive. In Francistown they dont know anything too. In Saigon he is shot at. Finally, taking the long way home via New York, he comes across a lead which eventually developes into a solid, rigid, concrete super-duper answer.

Now at home in his Super DX shack, he dials Commissioner Gesture of BAAAAA. "Hello Commissioner, this is Super DXer speaking. Yes, I've solved your little mystery. Your people can all relax now. The answer? Oh quite simple, really. I'm amazed I didnt find it sooner. The towers are not in Saigon or Botswana or Francistown; They're in New York. Yes, New York! I suggest you have your people check out Radio Free Harlem. Right. No, no. The VOA did not intend them to go to Radio Free Harlem. As I understand it, they were being shipped to Canada for storage and were, shall we say, intercepted. No, no trouble at all Commissioner; That's what I'm here for. That's why I believe the news that is behind the scenes can be dug out on short wave. That's why I have veried 283 SWBC countries. Why I can ID 971 languages. What? Oh you know that, eh? Well a bit of a commercial never hurt anyone ya know."

And so listening friends, another episode in the thrilling life of Super DXer ends. Be with us again next time (like mebbe November 1973) when once more Super DXer flies into your shacks with another tale of stirring DX adventure brought to you by those chocolate cookies with the white stuff in between. And remember, chocolate cookies with the white stuff in between dont crunch, dont make the slightest noise when you eat them; You can eat all you want even while listening to a rare and weak station, they wont cause QRM in your headphones. As Super DXer says, "I've eaten chocolate cookies with the white stuff in between since I had my first cat-whisker rx."

...Charlie Loudenboomer (Super DXer)

* * * * *

NOTE: For the first time Charlie informs us in advance about his next Report. Says he, "It will be a special type contest, the likes of which have never been concocted before in the history of DXing. It will attract all members young or old, novice as well as experienced. It will be a "first", an original. And, in all modesty, it will add to the fame and fortune I have already had bestowed on me by DXers around the world."

ANARC REPORTConvention Highlights

About two dozen DXers representing seven clubs were present. (George Schnabel and Dr. Tom Williamson of NASWA.)

A two hour tour of CFRB(AM) CFRV(SW) and CKFM(FM) was guided by Dave Spencer, the production manager of CKFM.

Saturday night banquet with announcement of the "Man of the Year" award (Gordon Nelson-NRC) and door prize drawing.

Much DX gab, also informal discussions about ANARC work and future conventions. There was a strong feeling that should henceforth hold conventions in conjunction with a club convention. Another comment was that each club should send at least one Rep, or delegate to act as club spokesman so that ANARC business could be transacted or discussed in a business meeting.

ANARC MOY Award

Glenn Hauser, ANARC MOY Chairman announced the 1969 award goes to Gordon Nelson of NRC. Glenn cited Gordon's scientific research into propagation and direction-finding on MW, his outstanding contributions to NRC's organization, management and editing, as well as his work for ANARC proper, and perhaps the outstanding innovation of the year, successful use of offset for weekly publication. Our congrats to Gordon!

Committee Reports

The Manufacturers Liason Committee related that all the manufacturers contacted about upgrading their receivers so that they meet the specifications required by DXers reported that they could not afford to produce them because of the small market.

It was suggested that the QSL Committee presently without a chairman, should be continued, perhaps with a club Rep(s) doing the work. Also that stations not be told how to reply, but merely to reply as they desired, but please reply. In other words, we should not stress what should be contained in a QSL, but rather stress the value of the QSL to the listener.

The Frequency Recommendation Committee, Roger Camire-Chairman, informs that Radio Biafra is now coming through well on 7301-7305kHz. Radio Cristal has been sent recommendations by Del Hirst. Radio Denmark has a new sked to be announced. He concludes, "Prospects for coming fall-winter DX season appear good and yet grim as there are more and more stations/new countries coming on the air with high power. In an attempt by nations of the world to be heard, they are rapidly strangling themselves out of the radio spectrum space."

DX Census Committee which has the task of tabulating census forms sent members, says Chairman Phil Sullivan reports that over 700 ANARC club members have thus far sent in census forms. Any computer card punchers in the ranks who would care to help with tallying results are requested to contact Phil (152 Third St., Leominster, Mass.)

The DX Archives Committee, Gerry Dexter Chairman, reports slight progress being made. This project, to remind you, is to find a home for radio souvenirs. Gerry has had two replies, both from major museum organizations; One says it has use for a small collection of older QSLs, but not for complete collection; Other says may have space next year, but not definite.

Added Notes/News

The Batesville Shortwave Association, new ANARC associate member, has appointed Rob Harrington as Rep.

The American Shortwave Listeners Club now has three Reps; Stewart MacKenzie, Bill Sparks and Edward Pyatt.

The ANARC abbreviation list is currently being prepared, but no final word on delivery can be made at this time.

There may be some changes in NASWA ANARC Reps in near future. Also is possible that a new Reporter will be appointed.

(This month's report done at NASWA Hqs.)



NEWSROOM

ROBERT HAGERMAN*EDITOR
475 WILSON STREET
HEMLOCK, MICHIGAN 48626

Deadline 15th of Month

* * * * *

R,Cairo is testing in English/Fr. to NA from 0100-0245: on 11825 (Oct 9), 11915 (Nov. 9 and Dec.9) Rpts. are welcome. (R.Cairo via Bob Estand)

Kol Israel R. is planning to expand its facilities in the near future. A new short-wave center will be erected near Tel-Aviv. Eventually, six 250 kw. xmtr's and antennas will be used. At the beginning, though, 2 or 3 250 kw. transmitters and a limited number of antennas will be used. High power transmissions will begin in about 18 months ! (Bruce Haines, Missouri, whose uncle works in the buying-selling dept. of KIR)

From the new director of R.Nacional de El Salvador comes the word that their sked is 1700-0500 on 5980 and 9555 kHz. (R.Nacional de El Salvador via Mike Macken, Massachusetts) (Ed.note: They've been observed here with a few English announcements and ID's of late.)

This sked of La Voix de la Revolution, Bujumbura, Burundi has been received by Gregg Calkin: Up to Dec. 31: Mon.-Sat. from 0400-0600 and 1000-1300, Sunday from 0400-2100. French nx at 0430. Freq. is 6140 kHz w/10 kw. (LVde la Rev.via Gregg Calkin)

The Saudi Arabia govt. station, the Broadcasting Service of the Kingdom of Saudi Arabia in Jeddah has been observed in Eng. daily from 1700-2000, then French, probably until s/off around 2215. Noted on 11855 kHz. (Gregg Calkin, Canada)

R.Australia is now using 15170, 17785, & 21740 kHz for their NA xmsn from 0100-0300 in Eng. (RA announcement via Richard Anderson, Illinois)

The Cyprus Broadcasting Corp. is once again testing, daily from 1900-2105 on 15260, and on Sundays from 0900-1600 on 17785. (SCDX'ers via R.Anderson and via Gregg Calkin)

The National Broadcasting System of Vietnam (VTVN) in 3 Phan Dinh Phung St., Saigon, has sent this sked to Bruce Haines: In English from 2330-2400 on 9755, also from 1230-1300 on the same freq. French: 1100-1200 on 9755. Vietnamese: 2200-0000 on 6165, 9620; 0000-1600 on 4877. Cantonese: 0000-0115 on 7245, also from 0500-0615 and 1430-1530. Mandarin is aired from 1400-1430 on 7245. Cambodian is from 0000-0030 and 1015-1100 on 9755, and Thai from 2400-0030 on 9755. (VTVN via Bruce Haines, Missouri)

According to AP press reports in Rdo de Janeiro, about 40 men dressed as Brazilian Paratroopers invaded the government-owned R.Nacional de Rio de Janeiro on Sept. 6 and made a 2-minute broadcast. They announced they "were taking over the country and would fight against Communism." Immediately following this, a station official said, the men left. The station then went back to normal programming. (AP via Mike Macken, and Saginaw News.)

And yet another joins the crowd ! Mike also reports that the BBC has now switched (rather than fight?) to kHz and mHz in their London Calling publication. (Sept. issue of "London Calling" via Mike Macken, Massachusetts)

The Finnish BC Comp. passes along this sked, good thru Nov. 2: English: 2300-2330 to NA on 15185; 1800-1830 to Europe on 15185 also; other broadcasts to NA: 1200-1315 in Finnish & Swedish on 9550, 11805, 15185; 1500-1555 w/the Home Service on 15185; and in Finnish 2330-2400 on 15185. (FBC via Thomas Blossom, Fort Wayne, Indiana)

According to the Chief Engineer of Radio TV Kaduna, Nigeria, their long-awaited 25-meter channel will be used from October 1, 1969. Probably 11965 kHz.

Meanwhile, current sked: 6090 (10 kw): 0530-2300 with a vertical quad antenna; //9570 (also 10 kw.) with a quad antenna. (Direct from CE at R.Tv Kaduna)

RADIO CANADA EXPANSION PLANS COLLAPSE. Original plans by CBC top officials called for five 250 kw. xmtr's to be put in Sackville with the first three operational in 1970. This was not only for increased power in international broadcasting, but also a better "voice" for their domestic service. But, the planned modernization is one of the victims of recently announced government austerity programmes.

As for actual damages...the Northern Service had planned to increase programming from 8½ to 18 hours daily, with a greatly expanded Eskimo service. This helps to assert the Canadian sovereignty over the Arctic area. An embarrassment to the Northern Service has been the oft heard criticism in Ottawa that it is far easier to pick up the broadcasts from the U.S.S.R. than it is to hear CBC programmes.

As for the international service, they fear that the inability to use more, new powerful xmtr's may mean the loss of some shortwave frequencies for Canada. The 50 kw. xmtr's built in the mid-1940's are badly in need of replacement. (Gregg A. Calkin, NASWA QSL Editor)

R. Diffusion Television Tunisienne, Tunis, Tunisia, has passed this sked along to Bruce Haines: on 6195 kHz from 0430-0600 and 1700-2330, and on 11970 kHz from 0600-1700. Programming is mostly Arabic.

R. Canada's latest English sked, good thru Oct. 30, reads as follows: Africa (via BBC) from 0715-0745 on 11970, 15390, and 17820; (from Sackville): 1832-1914 on 15325, 17820, 21595; Europe: 0715-0745 on 5990, 9625; 2115-2152 on 11720, 15325, 17820; to S. Pacific: 0830-0930 on 5970, 9625; USA: 1217-1313 on 9625, 11720, 15325; and from 2300-2330 on 9625, 11945, 15190. (Direct from R. Canada)

R. Kuwait's latest English xmsns are listed as follows: 1600-1900 to Eur. on 15345; and 0400-0700 on 4967.5, 15370 kHz. (De R. Anderson, Illinois.) (Ed. note: But watch for quick frequency changes.)

A clandestine "Station" has been noted over R. Kinshasa from 1930-2030: A Voz de Angola Libre.

Latest Deutsche Welle English sked reads like this: NA: 0130-0250 on 6040, 6075, 9735; 0435-0555 on 6075, 6145, 9545; 1045-1055 on 9605, 11905, 15275; 1900-1910 on 11795, 15245, 17705. Their Kigali, Rwanda relay has English to Af.: 0430-0500 on 7225, 9585; 0545-0630 on 9690, 11905; 1045-1115 on 11785; 1200-1245 on 15410, 17765; 1645-1730 on 9735, 11925; 1745-1845 on 15435. German to NA is from 0000-0215 on 6100, 6145, 9655; 0400-0610 on 6100, 6185, 9735. (Direct from Deutsche Welle)

R. Lebanon, as from Sept. 7, has this overseas sked: Af: 1830-2030 on 15350, with Eng. from 1830-1900, Arabic from 1900-2000, and Fr. from 2000-2030. To SA: 2300-0100 on 17810, with Port. from 2300-2330, Arabic from 2330-0030, and Sp. from 0030-0100. And to NA: 0130-0400 on 15170: Fr. from 0130-0200, Arabic from 0200-0230, 0300-0330, Eng. from 0230-0300, Sp. from 0300-0400 (R. Beirut via T. Blossom & R. Byers, Ont.)

A recent sked of English trans-
missions from R.Pyongyang, North
Korea/Democratic Republic of Korea,
has been received by Bruce Haines:
1900-2000 on 6540,9615; 0200-0300 on
6540,15520; 0800-0900 on 6540,15520;
1100-1200 on 9615,11765; 1400-1500 on
9615, 11765.

French is from 1500 -1600 on
9615,11765; 1700-1800 on 6540,9615;
2100-2200 on 6540,9615.

Spanish:0100-0200 on 11765,16320;
and 2300-0000 on 11765,16320.

Russian:1600-1700 on 6540,9615;
0900-1000 on 9615,11765.

Japanese:0300-0400 on 6540,15520;
0900-1500 on 6540. To Japan (hi)

Chinese:2200-2300 on 6540, &
11765; 1000-1100 and 1200-1300 on
9615, 11 765; to S.Asia.

Korean:2000-2100 on 6540,9615;
0000-0100 on 11765,16320 (to LA);
0400-0500 on 6540,15520. (R.Pyong-
yang via Bruce Haines, Missouri)

R.Sweden's latest Eng. sked,
to Nov.2:ECNA:1100 and 1400 on 15315;
0030 and 0200 on 9710; WCNA:1600 on
15315; 0330 on 11705. S.Am.:2245 on
11705. Europe:1100 on 9625;2045 on
6065. M.East:1600 on 21605;1900 on
11860. F.East:1230 on 15105;2045
and 2245 on 11910. Africa:1230 on
21690;1900 on 15155. Asia:1400 on
21585;0515 on 17825. (Direct from
R.Sweden and via Richard Anderson)

ORU, R.Tv Belge, lists these
current English broadcasts (known
as "Belgium Speaking") to NA:2205-
2215 on 9550,9660, and 11715; 0050-
0100 on 6125,9660,11715. All xmtrs
are 100 kw. except 9660, which is
20 kw. Good through October. (ORU
via Richard Anderson, Illinois)

The Australian Broadcasting
Commission station at Port Moresby
sends this sked (English):Weekdays:
2000-2200 on 3925 (VLK3), 4890
(VLT4); 2215-0715 on 4890 (VLK4),
9520 (VLT9); 0730-1400 on 3925
(VLK3),4890 (VLT4); and from 2230-
0530 on 5985 (VK9RA). Sundays:same
sked except VLK3 - 3925 and VLT4-
4890 are on from 2030-2200 (ABC,
Port Moresby via Bruce Haines)

R.Nederland Eng. sked,good
thru Nov.1, lists these xmsns:
to NA:1530-1545 on Tuesdays &
Fridays on 17810,21570; 1730-1745
(Tues. & Fri.) on 17810 (via their
relay station "Bonaire Noord" on
Bonaire, Netherlands Antilles.
When a "B" is placed prior to the
frequency, it means that that part-
icular frequency is relayed from
Bonaire). 1800-1815 (Tues. & Fri.)
on (B) 11730; 2130-2250 on 11730,
15425; 0200-0320 on (B) 11730;
0500-0620 on (B) 9715 and (B)11730.

This pending the Bonaire Noord
facilities being fully operation-
al. (Direct via NASWA HDQS. and
via Richard Anderson, Illinois)

R.Norway's new Eng. sked,
to Nov.1: Sundays (GMT):0800 on
15345,21655,21730,25730,25900;
1200 on 7240,17825,21655,21730,
25730,25900; 1400 on 17825,21655,
21730,25730,25900; 1600 on the
same frequencies;1800 on 15345,
21655,21730,25730,25900; 2000
on 15345,21670,21655,21730,25730;
2200 on 15345,17795,17825,21655.

On Mondays (GMT):0000 on
(to EC) 11735,11850,15345; 0200
on 11735,11850,11860; and 0400 on
9550,9645,15345. All transmiss-
ions are $\frac{1}{2}$ -hour long. Transmiss-
ions beamed (at least in part) to
NA are at 1400,1600,1800,2200,
0000, 0200, and 0400. (Direct
from R.Norway and via Richard
Anderson and via John Banta, New
York)

Osterreichischer Rundfunk,
(in English, Austrian Radio), lists
this sked, good to Nov.2: to NA:
2300-0400 on 6155,9770;Central
Am.:0000-0200 on 15145; S.Am.:
2300-0000 on 9525; 0200-0400 on
11875; 1800-2100 on 15210. Eur.:
0400-2305 (Sun.0500) on 6000,
from Aldrans w/1kw.; 1800-2000 on
11925; 1000-1200 on 9770;0500-0700
on 7245; 1300-1500 on 11785; 0700-
0900 on 7245; and 0500-1300 on
6155. To S.Af:1600-1800 on 17880.
Asia:1000-1200 on 17885,1200-1400
on 15385. A ddress:Austrian R. .,
Technical Dept., P.O.B. 200, A-
1043, Vienna. (OEI via HDQS.)

R.RSA's English transmissions to NA at 2330-0025 (E.Can.), 0030-0124 (Central Can. and Cen./E.U.S.A), 0130-0225 (Can.Central), and 0230-0325 (Pac.Can., Mountain USA) are all on 9705, 9715, 11875. (Direct from R.RSA via NASWA HDQS. & R.Anderson)

SCDX'ers bulletin now being mailed again! Radio Sweden has once again started issuing their excellent "Sweden Calling DX'ers" bulletin, taken from the programme of the same name. It contains many excellent and informative tips. However, it will only be distributed bi-weekly. In the past, it has been the rule that to receive this bulletin (besides a sample), you had to occasionally report to the program. I'm not sure what the policy is now, but it would certainly be worth asking about. Address? Sweden Calling DX'ers, c/o R.Sweden, S-105, Stockholm, Sweden. (Editor-BH)

R.V.of the Gospel, ETLF, in Ethiopia, most recent received sked reads as follows: English:0530-0555 on 11890; 1330-1345 on 15315;1655-1710 on 6065; 1930-1945 on 11910; 1945-2015 on 11910 (from the Enegu studio); 0400-0425 on 9680; 1330-1345 on 15150;1345-1400 on 15150; 1700-1715 on 9695; 1800-1855 on 9705.

French:0300-0330 on 11730;0400-0425 on 11730; 0445-0525 on 15170; 1715-1800 on 11910; 1900-1945 on 15415.

Targets are all in Africa, the Middle East, or the Far East. Address: Station ETLF, P.O. Box 654, Addis Ababa, Ethiopia. (ETLF via Bruce Haines, Missouri)

A very rare sked has been received by Bruce Haines - R.Diffusion Nationale Lao. It's all in French, and is good thru Dec. 69:Daily:2300-0230, with Laotian nx at 2330, Fr.nx at 0000; from 0500-1430, except on Saturday, when they don't close until 1500. Laotian nx at 0530,1200; in Fr. (news) at 0545,1230; and Vietnamese nx is at 1330. They feature a wide variety of programmes, from "Popular Moslem chants" to music for teens, to a military program from 0700-0830. English language lessons are from 1245-1300 on Thursday, Friday, Saturday, and Sunday. Congratulations for bringing this rare one thru for us, Bruce.

The frequency is 6130 kHz. (R.Diffusion Nationale Lao)

Although it may be for medium wave broadcasts only, a Swedish letter containing a sked was received by Bruce Haines. It's from Radio Riga, Latvian SSR. Their address is: Lettlands R., P.O. Box 266, Riga. The programs in Swedish are broadcast on Tuesday, Thursday, Saturday, and on Sunday. On Tues., Thurs., and Sat., 2020-2050 on 575 kHz (100 kw.); 2130-2200 on 575,1349 kHz (20 kw.); and on Sundays from 0800-0830 on 575. Known short-wave frequencies for Riga relays of R.Moscow are 7140 and 15220, but 7140 might be used for the Swedish broadcasts occasionally (the latter statement is pure speculation on the part of the editor). (R.Riga via Bruce Haines, Missouri)

Well, that's it for this month. And it was simply great, with all the reports I received, and lots of rare skeds (hi B.Haines) and many good short news items. I always appreciate hearing from you, whether it be criticisms, suggestions, comments, or, most of all, reports! I will continue much the same as Dan did, with station schedules being the mainstay of the column. But I hope to have many "newsy" items, and something relatively new - observed schedules. Anyway, always glad to hear from each/all of you DX'ers. A real big thanks to this month's contributors: Richard Anderson, John Banta, Thomas Blossom, Robert Byers, Gregg Calkin, Bob Estand, Bruce Haines, and Mike Macken. Until next month, best of listening and 73 de Bob



QSL REPORT

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

Deadline, 15th of Month

* * * * *

STATION COUNTING

Since the inauguration of our new SCOREBOARD totals system last year, there have been occasional questions as to the method of counting stations for the HIS (Stations Heard) and VIS (Stations Verified) listings. No hard and fast rules have been set down in this regard due primarily to the diverse nature of the problem. However, a number of requests for clarification have arrived lately, and consequently a word or two are warranted. Actually, the method of counting has been fairly well delineated by the membership itself. The vast majority of listings indicate the definition of a station thusly: A station for SCOREBOARD purposes is a short-wave broadcaster operating from one transmitter site, regardless of the number of frequencies utilized at that site. For example, the BBC/England would therefore count as four stations, resulting from the four transmitter sites: Woofferton, Daventry, Rampisham and Skelton. The VOA/U.S. would be a separate station for each of its sites: Greenville, Delano, Dixon, but VOA/Greenville would be only one station heard or verified despite the large number of frequencies used. The ABC/Australia would count as separate stations by each of Sydney, Melbourne, Brisbane and Perth. Therefore VLH9 is a separate station from VLX9, but the same as VLR6. The usage of different call letters from the same transmitter site does not create new stations. Another example of this is SBC/Switzerland.

It is hoped that this will clear up any confusion. Remember however that it is not intended to be a definitive statement for all hobbyists, but is simply a guideline for SCOREBOARD submissions. I realize that this system differs from that which is followed by a few members, but it would appear to be the concensus and seems fair. Consequently, it would be appreciated if those members concerned would reorientate themselves within the system. If the SCOREBOARD listing is to have any value through comparison, everyone must follow the same ground rules. O.K.?

Next SCOREBOARD will appear in the December QSL REPORT, and will put the spotlight on AFRICA again.

QSL'S RECEIVED

AFGHANISTAN: Radio Kabul, 15265, map card in 22 days airmail. No IRCs (Hostetter)
ALGERIA: Radiodiffusion-Télévision Algérienne, Algiers, 11835 kHz, sent white card w/ yellow figures of archers, in 1 month, for 3 IRCs (Lemna) 2 IRCs (Anderson) full data in 3 months for 11810. 3 IRCs. Used RTA report form (Haines)
ANGOLA: La Voz de Angola, colorful card showing natives in traditional headdress, for 5960 kHz, full data, QSL text in English. Reported in Portuguese, w/ 3 IRCs. V/S: The Director. 60 days total (Padula) 25 days, 3 IRCs (Lemna) Luanda p/card QSL in 6! days for 5960, from Teiculano De Carvallio, Director. 2 IRCs sent (Haines)
AUSTRALIA: ABC/Brisbane, 4920, regular ABC map card w/full data, in 21 days seamail, for airletter report without IRCs (Hall)

AUSTRALIA: ABC/Perth, 9610, card, sked, letter signed by Noel Miles and 10 pages of programme transcript. Full and correct QSL data in map card; with call letters of all stations in the country. Card in blue/black, with white/red lettering. 10 wks seairmail reply (Banta)

AUSTRIA: OR, Vienna, colored card of Lake View, full data for 15200. No IRCs. 14 wks air. New QSL (Padula)

BELGIUM: ORU, 6125, card airmail in 27 days. Full data. 2 IRCs (Baker)

BIAFRA: Voice of Biafra, letter from P.C. Chigbo, Boite Postale 8861, Abidjan, Ivory Coast in 20 days airmail for 2 IRCs. Letter gives date only and mentioned I heard Voice of Biafra which operates only on 6145, but does not specifically mention the frequency. Mr. Chigbo also says that they are hopeful that power will be increased from the present 10 kW. (Anderson) letter from P.C. Chigbo, Special Representative of Biafra in the Ivory Coast, for 7301 kHz. Letter verifies date and lists both frequencies. Letter by air in 13 days. No IRCs (Kennedy) for 6145 kHz (Peters) Direct or via Ivory Coast, Frank? (GAC)

BONAIRE: TWR, 15345, blk and wht photo card of xmtr, sked, religious tracts and pennant in 8 days airmail. 3 IRCs (Estand) folding card, 1 month, 1 wk, 1 day, air (Zolvinski)

Radio Nederland, 11730, card in 13 days air. Full data (Heggs) 14 days, commemorative QSL in red, white, blue and black (Dexter)

BRAZIL: Radiodifusora do Maranhao, 4755, letter via airmail in 3 weeks, after follow-up (Dexter)

Radio Globo, 11805, nice card in 96 days; reported in Port. using NASWA Port. form (Wastradowski) 6035, card after 10 previous reports. Mint stamps sent (Williamson)

Radio Nacional de Brasilia, personal letter from Luthero Toledo in english, giving confirmation statement and date only. Also asked if I liked Coca-Cola? and if I had information on Apollo 11. Sent him pile of stuff on apollo. (Haines) What about the coke? (GAC) 11720, letter, and pennant in 2 wks. 3 IRCs (Lemna)

BOLIVIA: Radioemisoras Bolivia, 4755, letter from the Secretaria: Martha Gonzalez Montano in 1 month. Enclosed souvenir card w/small photos of station, equipment, etc. Also pennant (Sloan)

BRAZIL (addendum): Radio Inconfidencia, Belo Horizonte, 6000, letter confirming rpt in English. Date only given, from Oiamar Figueriredo Vieira, Gen. Director. Large red, white and black pennant. 6 weeks airmail (Hurst)

Radio Cultura da Bahia, 9595, sent printed aerogram letter veri w/color street scene on one side. 4 months airmail; mint stamps sent (Williamson)

Radio Clube do Para, Belem, registered airmail letter, from the Director, 17 days for report enclosing 2 IRCs. Reported in Portuguese.

BULGARIA: Sofia, QSL N° 2 in present series of 6 showing "Nesebar", full color, for 9700, in 5 weeks, full data. 1-IRC (Insinger)

BURUNDI: La Voix de la Révolution, Bujumbura sent personal letter, p/card, and sked in 16 days airmail. V/S: Bernard Humuza, Le Chef du Service Technique. Date and veri stmt only given. QSL indicates power to be increased 15 kW to 25 kW in 6 months time. Reported in French, by registered airmail, with 5 IRCs. A-R card also sent (Calkin)

Radio Cordac, 4895.5 kHz, card, full data, in 2½ weeks airmail for 3 IRCs. V/S: James E. Morris, Field Director says that my reception report was one of the most accurate ever received. Large-sized envelope, very colorful stamps (Padula)

BYELORUSSIAN S.S.R. Minsk relay sent verification from Moscow by air in 3 weeks. No IRCs sent, for 15150 kHz (Haines).

CANADA: CBC Int'l Service, 9625, "Bluenose" card with full data in 2½ weeks. V/S: B. Duke; seairmail in 10 days (Banta) 20 days, "Ice Hockey" card (Wastradowski) Bluenose card in 12 and 14 days for 17720 and 21595 resp. (Anderson) 2 wks (Haines) 15325, 3 wks with complete and correct data. No IRCs (Estand)

CBC Northern Service, 15190, Eskimo card in 4 weeks (Hurst)

CEYLON: R. Ceylon, 6075 & 11800, airmail letter from F.G.M. Stave, Foreign Relations Officer of the CBC, w/full data confirming rpts for tapes of both. 198 days, and no

mention of previous reports for 17830 and 4870. 3 IRCs sent each time for a total of 9, plus mint stamps on two follow-ups. This was toughie, so I'm content. Letter says QSLs will follow when ready and they will mail back tape (Hall)

CHILE: Radio Valentin Letelier, 9550, yellow-sketch of old Valparaiso with QSL text typed on reverse. Airmail in 18 days from Faculty of Law, University of Valparaiso. Mint stamps sent (Williamson)

COLOMBIA: Radio Colosal, letter after 5 months from Rafael Navarro T., Gerente saying they have recently received more than 200 reports. (Sloan)

Transmisora Caldas, 5020, letter w/very general QSL statement in 2 months.
2 IRCs (Lemma)

Emis. Nueva Granada, letter by the Secretaria de Vicepresidencia: Myrima Cecilia Mora Rangel in 12 days for 6010. Pennant enclosed (Sloan)

COSTA RICA: Radio Casino, 5954, green QSL in 15 days. Report was in English, w/3 IRCs, which were returned (Lemma) lite green card w/pennant in 64 days airmail, for 1-IRC. No time (Scoville) 3 weeks; do not send IRCs as they do not want them (Haines)

CONGO (Rep.): Radiodifusion Nationale de Congolaise, letter from V. Nikuna, w/copies of two earlier letters that never reached me. This one registered, in French. Also registered copy of "Congo Magazine", under separate cover (Dexter)

CUBA: R. Habana, 9655, color card w/full data in 130 days. No IRCs. Reply by airmail (Scoville)

CZECHOSLOVAKIA: Radio Prague, 7345, p/card QSL w/full data airmail in 4 weeks from Vladimir Kučera, (Banta) also s/sked and form letter, in 3 wks for 11990; no IRCs sent (Estand) Trade Fair Grounds card, 27 days (Wastradowski) two separate cards showing "Thermia Palace" in 4 wks (Caldwell) 16 days, B/W pic card QSL; 2 IRCs (Haines)

CYPRUS: BBC relay sent usual no data card w/pic of Thames in 1½ months for 15375 (Haines)

DENMARK: Radio Denmark, b & w card showing Radiohouse Aerial Tower for 9520, 1 month, full data. 1-IRC sent. V/S: Suzanne Jackson (Insinger) 15165, air card, rpted on card (Stuart)

DOMINICAN REPUBLIC: Radio Libertad, 3215, letter & p/cards from Arnaldo Bazan, Dir. de Programacion in 1 month after f/up (Dexter)

ECUADOR: Emisoras Gran Colombia sent letter and nice 24th anniversary pennant in 1½ months airmail. SASE sent. Letter is from Eduardo Cevallos C., Gerente-Director and gives no details. For 4910 kHz. NASWA Spanish form used. Pennant very attractive (R. Murphy)

Radiodifusora Nacional del Ecuador, 4939, card w/short typed greeting on reverse, by Lodo. Pedro J. Velasco E. Card shows young lady holding banner and Ecuadorian flag at monument marking equator. Also pennant (Sloan)

"Canal Manabita", 4820, (admit only to 4815 however), letter from Director-Gerente: Ramon Fernandez Cevallos in 2 months. Enc. standard & sked (Sloan)

"Casa de la Cultura Ecuatoriana", letter in 1 month from H. Perez Estrella, Director. Sent sked by separate mail, containing extracts from Scandinavian DXers. (Sloan) 4840, (now back to 4930), sked, folder and verie typed on reverse of Director's card. 1 month; letter verie followed (Dexter)

HCJB, 15255, Green/blue Inca design card 17 days air, sked, pennant, rel. tracts, letter, etc. 3 IRCs. Full data (Estand) QSL showing antenna tower and Bible in B/W, orange and brown. No data - sent 2 IRCs. (Insinger) Must request full data QSL from HCJB if desired (GAC).

ELSALVADOR: YSS, 9555, letter in Spanish acknowledging receipt of rpt w/full data, mentioning text of my rpt to be broadcast. V/S: Dr. Abel Salazar Rodezno, Emergency Director. 2 IRCs; 4 wks airmail (Hurst) also data on conflict w/Honduras, plus letter, pennant, and mimeo letter in 17 days. Mint stamps sent (Macken) personal letter QSL, giving full data in Spanish. 2 IRCs sent; took 9 days by airmail. 5980 kHz (Haines)

ENGLAND: VOA, 7200, sent regular card from Washington in 19 days (Wastradowski)

ETHIOPIA: Addis Ababa sent ETLF card, new, in blue and white, with full data, and sent airmail in 4 months. 3 IRCs sent; for 15400 (Haines)

FINLAND: Helsinki, 15185, card w/map of Finland by air in 27 days. No IRCs (Hostetter) 9590, used for a few weeks in lieu of 9550; 2½ wks; no IRCs (Padula) 15185, one FDXC card, sked, 7 weeks air. No IRCs (Estand) 31 days air (Banta) 24 days 1-IRC (Wastradowski) 2 cards, 15185, 3 weeks airmail (Stuart)

FRANCE: Paris sent new orange color card, w/photo insets of ORTF activities in 1 month, by air. Also letter requesting any rpts from listeners who hrd their broadcast on Moon landing, entitled "Radio-Terre". (Williamson)

FRENCH GUIANA: ORTF, Cayenne, sent nice personal letter of verification for 3385 in 10 days air for 2 IRCs. Sent in French, with NASWA French form; reply from C. Pierre, Le Chef D'Etablissement. (Haines)

G.D.R. RBI, 11890, red and white tower card, sked, and form letter w/note saying pennant on way separately. 2 months airmail, no IRCs. Also in 17 days for 9730 (Estand) 45 days with card and schedule (Wastradowski)

G.F.R. Bayerischer Rundfunk sent card featuring a design of the Bavarian mountains and their transmitter, for 6085 kHz, in 7 weeks seammil with booklet on Munich. Mint stamps sent (Anderson)

VOA/Munich, 6040, card in 10 weeks seammil. No time given (Hurst) 2 months w/ no data. Returned to VOA for re-issue (Heggs)

Deutsche Welle, 9545, 27 days airmail. (Wastradowski) 15 days (Stuart)

GREECE: NHBI, Athens, with card in 19 days airmail although card took 9 days to get here. QSL is for 9605, and report was sent with 2 IRCs (Anderson)

GUATEMALA: Letter in English from La Voz de Nahuuala-3360, signed by Sister Janet Druffel, Director, apologizing for delay. 9 weeks airmail after f/up (Dexter) 3365 kHz, (Peters)

GUYANA: Radio Demerara sent card airmail in 14 days, giving date only, for 5980 kHz. Also rcvd separate airmail letter on same day which had detailed sked. 2 IRCs. VS: J. Joseph. Card gives QSL statement (R. Murphy)

HAITI: 4VEH, 9770, usual folder QSL with full/correct data from V/S: Mrs. Oswald Heinrich. Pocket calendar, programme sked, religious literature, and booklet on station operations. Enclosed IRC w/rpt and reply came in 45 days. (Banta) 63 days (Scoville)

HONDURAS: HRVC, 4820, card, letter and sked in 13 days, giving date only. Letter from Ron Youngs, when tape report sent w/2 IRCs (Macken)

HRVK, R. San Isidro, 4845, letter airmail in 1 month from Sr. Carlos Albert Valdez, Director de Radio (Sparks)

HUNGARY: Budapest, card showing bridge over river for 17795, rare freq., in Australia. 9 weeks, no IRCs. Also sked and newsletter (Padula) 2 months, no IRCs, 9833 (Estand)

INDIA: AIR/Delhi, 7215, color card shows regatta on River Jhelum at Stinagar, Kashmir. Full data in 2½ weeks; no IRCs. Station advised my previous rpt had not reached them for this frequency, quoting others they had rcvd. They got me on a file! (Padula)

AIR/Bombay, letter from Y.R. Sastry, Asst. Station Manager. Airmail in 17 days after f/up (Dexter) 17705, card (Peters)

INDONESIA: Djakarta, 6045, Voice of I card airmail w/full data. V/S: Farida Nur, QSL Manager in 5 weeks. 2 IRCs (Padula)

Jogjakarta, 5047, RRI card seammil in 10 weeks seammil after f/up, total time in 8 months overall (Padula)

Surabaja, 3975, card showing street scene in city, w/QSL text in English. Full data and signed by Thomas Soegito, Director, in 3 weeks airmail; reported in Indonesian with 2 IRCs (Padula)

IRAN: R. Iran, Teheran sent black and white card with fair details, data on Iran and very colorful and beautiful flag, by registered mail in 2 months. 3 IRCs sent, for 17735 (Haines)

ISRAEL: Kol Isra'el, 9009, card seammil in 108 days. 2 IRCs. Full data (Baker) 22 days airmail (Insinger) 2 months (Stuart)

ITALY: RAI, 11810, regular card in 23 days airmail (Wastradowski)

JAPAN: NHK, 15300, card, sked, RJ News and rpt forms in +3 wks by air, for 2 IRCs (Hurst) 15195, beautiful Mt. Fuji card in 13 days air (Insinger) 17825, 7 days, again with Mr. Fuji sunset (Wastradowski)

JORDAN: Amman, beautifully colored card of archeological ruins, 4 weeks airmail, full data. For 15170. (Padula)

KOREA(N): Pyongyang, attractive card showing traditional Korean paintings, full data, inviting me to write again w/further reports, in accompanying personal letter, some political literature, set of colored p/cards and copy of Radio Pyongyang newsletter. For 11765, no IRCs (Padula) 6480, 2 QSLs, propaganda, 15 p/cards; 3 mos after f/up(Haine)

KUWAIT: KBS, separate cards for 15430/15370, full data, 1-IRC each; 3 weeks each air-mail (Padula)

LATVIA: Riga sent red/white QSL with design of what looks like a Queen playing a harp, for 15220, in 2 months seaimail although letter was dated 10 days after report was sent. Pennant and form letter in Swedish also received. No return postage (Anderson)

LEBANON: R. Liban, Beirut, 15285, color card w/drawing of broadcast building, full data and sked, plus friendly personal letter and paper flag. Rpted by registered airmail w/2 IRCs. Reply in 25 days air registered (Banta) 15280, 23 days (Peritz) 17820, 23 days registered w/sked. (Padula) 25 days, 1-IRC (Scoville)

LIBERIA: ELWA, Monrovia, 4770, red/blue/white card with full and correct data, sked and station booklet by 2nd class airmail in 31 weeks. (Banta) 5 & 7 months for 15155 and 4770. 3 IRCs sent (Haines) card shows tower and small native scene, 6 months, 3 IRCs (Insinger) 6 months seaimail for 15170; envelope gives my city as Wribteirge, instead of Winthrop. Guess zip code saved. hi (Macken)

ELBC, card in 9 days airmail after f/up, stating 1st rpt not rcvd (Peters)

LUXEMBOURG: R. Luxembourg, 6090, card in 6 weeks seaimail for mint stamps. Soon to have 600 kW for this freq. acc to SCDX (Anderson)

LITHUANIAN SSR: Vilnius with new card in 1 month by air for 15405, 15210 and 15150 for their test transmissions (Haines)

MALAYSIA: BBC/FES, BBC card in 19 days from London; no data (Scoville)

MONACO: Monte-Carlo sent card seaimail in 58 days giving date only and showing pic of transmitter and flag. Frequencies are listed as 6035 and 7140, a switch from 7135 kHz (Anderson)

NETHERLANDS: R. Nederland sent card from Hilversum for 21570. 1 week air (Stuart) 3 weeks, no IRCs, for 11730 (Haines) Bonaire, Bruce? (GAC)

NIGERIA: Radio Television Kaduna, 9570, personal letter from G. White, C.E., in 8 weeks by airmail w/sked plus brochure on history of station. Very rare in Australia, 6090 being normally blocked by VLI6 (Padula)

West Nigeria Radiovision Sce. ibadan, 6050, prepared card from C.E., in 3 wks for rpt w/3 IRCs. Extremely rare for Australia also, 1st time hrd in 15 years! (Padula) Both are excellent Bob, Congratulations! (GAC)

Voice of Nigeria, 21455, sent new card in 2 months airmail w/brochure on VON and sked. IRC sent but was returned as not needed according to note (Anderson) new white card w/verification statement, in 5 weeks, no IRCs sent; for 15365 (Haines)

NORWAY: LLM, Oslo, 15175, color card & 2 bulletins in 19 days, no IRCs (Peritz) color pic of ski-run, 3 weeks, airmail w/sked (Williamson)

PAKISTAN: R. Pakistan sent regular card with correct data for a change, w/note from A.H. Kaleem for 15405 in 1 month airmail. 3 IRCs sent. Stamps all over envelope (Anderson) 9750, duplicate QSL sent 4 wks after f/up-original never reached me. Kaleem is Listeners Research Director; card shows full details w/brief accompanying letter; IRC w/original report (Padula)

Dacca, 15519, reply in 46 days for tape rpt sent by registered mail. Full data; 2 IRCs (Pappas) card, no details of freq or location, 148 days air for tape f/up, w/ 3 IRCs for Dacca. QSL however specifies nothing (Hall) But is for Dacca (GAC)

PAPUA: Standard ABC card from Port Moresby for 15120 xmtr used during S. Pacific games in August. 1-week air; this xmtr 10 kW (Padula)

PARAGUAY: R. Encarnacion, 11948, registered letter from Antonia E. Cabrera in 3½ weeks after registered f/up; 7 rpts in 7 years to get this one (Dexter)

PERU: R. Amazonas, 9772, letter, two weeks, airmail, mint stamps sent. V/S: Max Melendez Cardenas, Director-Gerente (Sparks)

R. Santa Rosa, Lima, 6045 kHz, very cordial letter in Spanish w/full verie. V/S: P. Francisco Villena, C.I.O.P., Director. Requested additional reports too and send a colorful brochure, the "Convento de Santo Domingo". 10 days air (Caldwell)

R. Tropical, 4935, letter from station's legal advisor, Rafael Marina Arevalo, enclosing photos of River Huallaga and his 3 daughters. A very friendly letter by registered airmail in 2 months. Proprietor and Gerente, Sr. Juan Pablo Mori were on holiday in Lima when letter was written. Also pennant, for 4935 (Sloan)

PHILIPPINES: VOA, card in 20 days from Washington. No IRCs (Scoville)

POLAND: Warsaw w/map card in 50 days airmail for 9540, plus sked and personal note from K. Gooman, Editor of the English language section (Anderson) 11870, 5 wks by air; 2 IRCs sent; but they now request no IRCs be sent (Haines) 32 days, w/sked and pennant, and long personal letter, also stating IRCs not needed (but not returned hi). Complete and correct data; 3 IRCs (Estand)

PORTUGAL: Ship card from Overseas Sce, in 4½ mos air, 11925, 1-IRC, w/sked (Padula)

PORT. GUINEA: Bissau, 5041, green folder card w/full data typed in. Card is in 3 language rcvd in 55 days seamail, for rpt enclosing 2 IRCs (Hall)

ROMANIA: Bucharest, airmailed card of the Voronet Church, w/rpt forms, personal letter, sked and R. Bucharest stickers (for use on stationary!!) in 38 days for 9690; no IRCs (Anderson) 15250, card, sked and stamps in 1 month via air; no IRCs sent; full data (Heggs) 1½ months air, 9570, QSL features lake and ducks (Stuart) 11810, color card in 3½ wks airmail; full veri (Caldwell)

R.S.F.S.R. (European): Moscow, 11890, 34 days airmail. Asked if xmtr was at Yerevan and Mrs. Stepanova said Yerevan has own transmissions in English and advises me to write direct for sked. Novel avoidance! (Anderson) 15150 card, w/full data by air in 6 weeks. (Banta) Is This Minsk, John?? (GAC) 11960, 25 days air (Wastradowski) 4 weeks by air (Haines)

(Asiatic): Card from Moscow for Chinese transmission on 17825, 22 days, refusing to acknowledge if xmtr is at Frunze or not (Anderson)

Petropavlovsk, card from Moscow with "via Petropavlovsk" printed, in 2½ weeks by air. For 15140 (Haines)

RWANDA: DW, usual card from Köln in 3 weeks for 11905. IRC enc. (Haines) 7225/11925/11965 in 4 weeks, 3½ months and 5 wks resp; all airmail; in 1 envelope. No IRCs (Padula) 15435, card, 2 publications, via air in 17 days. 1-IRC; all data; (Heggs) 11905, 11 days, blue/gold card. No IRCs (Scoville)

RYUKYU IS: VOA/Okinawa, regular card in 12 days from V/S: Mary McGann, for 7165 (Anderson) card in 2 months w/no details. Returned for re-issue (Heggs)

SARAWAK: Radio Malaysia Sarawak, 7160, card of Studio buildings in 2 months w/QSL statement, but no date. 3 IRCs (Heggs) 2 pic QSLs of broadcast building in Sarawak for 7145 and 7165, in 3 and 5 weeks respectively. 3 IRCs sent in both. Date and confirmation statement given only (Haines)

SICILY: RAI/Caltanissetta, regular RAI card in 52 days seamail for 6060 (Anderson)

SINGAPORE: R. Singapura, card, inspecific from Ministry of Culture for 6064, new freq., in 1 month seamail. No IRCs (Padula)

SOUTH AFRICA: R. RSA, Internal Sce: 9650, 5 wks, no IRCs; 6135, 3 months; 7260, 1 month after f/up; 3952, 3 wks. All airmail. No IRCs. From Monitoring Panel; also 15200 in 3 wks (Padula) 15200, 21545, 17815, 5980 and 9715 in 6-9 weeks (Padula)

SPAIN: RNE, 6130, tower p/card w/full data typed in, stamped Ministeriale Informacion Turismo, plus sked, rcvd in 15 days airmail for p/card rpt sent and no IRCs (Hall)

SWEDEN: Stockholm, card in color of Northern Lights, with gold/blue pennant in 1 wk, 2 days. No IRCs (Zolvinski) 12 days, no IRCs (Padula) 11705, 2 IRCs (Haines)

SWITZERLAND: SBC, 9720/11715, 38 days, IRC (Cornils) 6120, 5 mos, no IRCs (Estand) 6 weeks from VS: D. Ashton Johnson; cable car pic (Heggs) 27 days w/sked (Morhmann) letter for 15305 (Drake) card of skilife in 40 days (Marshall) 5 diff. cards for 9665, 9535, 11715, 15305, 11865 in 56 days; (Scoville) card of Zurich airport (Duncan)
UN Radio/Geneva, 7443, card in 1 week air from Geneva with sked (Anderson)

TAHITI: Papeete, mermaid card in 10 days w/sked for 3 IRCs (Lemna) card in 9 days air-mail; 2 IRCs (Soneff) 5 days, 2 IRCs (Fisher) 18 days (Bull) 19 days (Scoville)

TAIWAN: Voice of Righteousness, 7200, personal letter from Mao Chung-shu, Sta. Director. 8 weeks after f/up (Padula)

VOFC, 17890, card airmail in 6 weeks (Caldwell) 22 days (Hostetter) 7130, card from Yvonne Hsiang, English Program, air in 113 days. Taped Dragon Show sent (Hall) 15345, 6 wks, 3 IRCs (Estand)

THAILAND: Bangkok, usual card for 6097, by air in 26 days. Full data (Shepherd) pics Thailand in white, with yellow bkg, for 11914 (nominal 11910) in 6!!! days only, air, no IRCs (Haines)

Thai TV Co., 7105, personal letter from Mr. Choo Nahampang, Director, w/full data and by registered airmail in 14 days. 2 IRCs (Padula)

TUNISIA: R. Tunis sent card airmail in 11 days for 11900 after f/up w/tape rpt and IRC. Reply from External Relations Dept. (Macken) 11970, p/card QSL in 2 wks; 3 IRC (Haines)

TURKEY: Ankara sent card w/Turk playing guitar in 3 months, No IRCs (Heggs) 5 months, w/full data and sked (Bull) V/S: Elizabeth Selânik; book on Turkey and sked in 9 wks seaimail (Banta)

UKRAINIAN S.S.R. Kiev, paper QSL, newspaper in 12 wks (Banta) red/green card, full data, 47 days seaimail (Sorensen) 11890, 4 months (Upton) 9610, form letter in 4 months air, from V/S: A. Romaniuk (Breton) 2½ months (Sterling) 4½ months after f/up from V/S:

Michael Skulenko (Alpert) 4 months (Anderson) 3 months after f/up; no IRCs (Haines)
U.A.R. Cairo, white/Green "airwave" design card, w/3 Egyptians, printed in English & Arabic in 4 months air. Reverse has data (Marshall) 12005, 128 days (Baker) 9475, 20 days, (Estand) 1 month, reported in aerogramme (Stuart)

U.S.A. UN Radio, Greenville, 15415, card in 24 days. No IRCs (Sizer) 13 days surface mail (Barman) 15415, 1½ weeks, sked (Duncan) 9735, card in 6 days (Scoville)

WINB, 17720, B/W card, 19 weeks seaimail. IRC sent (Taylor) 11795, 8 wks (Volle)

WNYW, separate cards, 15215, 15355, no IRCs. 1 month, but mailed from England! (Padula)

KGEI, card in 35 days 1st class mail for 15240. Mint stamps sent (Scoville) 3 weeks, 3 IRCs (Estand) blue FEBC thunderbolt card, 52 days (Mohrman) 1½ months w/good pennant (Haines) 9 days, sked and station info too, 17755 (Duncan)

AFRTS/Bethany, 17800, card w/AF seals and sked in 1 wk (Volle) 15330, no sked, no station info, just blue/white card (Duncan)

VOA/Greenville, 15205, 20 days, no time. 1-IRC (Cassorla) 9540, 13 days (Duncan)

VOA/Dixon, 21610, card in 10 days seaimail (Insinger)

VOA/Delano, 21500, card in 10 days from V/S: Mary McGann (Insinger)

UZBEK S.S.R. Tashkent, card, sked, p/cards in 1 month for 11925 (Haines) 9600, 16 wks (Hurst) 9 weeks, no IRC (Heggs) 4 months from Markhamat Tadjieva (Anderson) 11925, 4 months (Sterling, Breton, Territo) 82 days air (Scoville) 2 months, no IRCs (Haines)

VATICAN: card of station antennae, 17810, 14 days. (Padula) 9615, 5 days (Jankowski) 3 wks, 5 days (Zolvinski) 10-5 days (Gouthro, Stuart) 3 wks for Span Sce rpt (Williamson)

VENEZUELA: Ondas Portefias, letter air in 6 wks; mint stamps sent after f/up. 1st rpt not rcvd/ V/S: Hector Cardoza Flores (Sparks) 2 wks w/pennant, by air (Williamson)

VIETNAM (N): Hanoi, folding paper QSL, w/sked and p/cards (Padula, Wastradowski, Territo) reply via Prague-Hanoi-E. Berlin (Schnabel) for 15Q13.04 kHz, 4 mos (Mayo) 3 mos (Driscoll)

WEST BERLIN: RIAS, glossy card w/pic of Hq. in 5 wks sea for Berlin xmsm (Anderson)

YUGOSLAVIA: Belgrade, folder card w/photo of Rovinj, 9620, 60 days air (Mayo) 109 days w/pocket calendar (Scoville) 2 months (Insinger) 4 months for 9620 tape; correct address is Box 880, Beograd (Sterling) 36 days air, 2 IRCs; full data verification (Baker)

"VOICE OF HOPE"

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Voice of Hope

Mr. W. S. Sparks

Thank you for your reception report dated May 13, 1968

We are pleased to verify your report that you were listening to the Voice of Hope, Republic of Korea Army broadcast on shortwave frequency in 6.17 mc/s between 13:34-14:17

Republic of Korea Army
Broadcasting Station

Service	G M T	Frequency
Korean Language	2000-2230	6.17mc/s
	0030-0300	
	0400-0830	
	1230-1400	



W. S. Sparks, 1100 Hearst Building, San Francisco, Calif. 94103 U. S. A.



Korean dol in traditional costumes

A very rare station in most collections, the Voice of Hope is the Voice of the Korean Army and operates on 6170 kHz, with a listed power of only 500 watts. For those who do not have Korea in their logs, this is definitely the hard way. Congratulations therefore to Bill Sparks, one NASWA member who has been successful in logging them.

Special thanks also to the following members who have submitted data and information on the above received QSLs. Your support, suggestions and letters are most appreciated. Welcome too to several new members who have contributed this month. If you are a new member, why not write today with information on your recently received QSLs?

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|-----------------------|-------------------------|------------------------|------------------------|
| David Alpert, Ill. | Richard Duncan, Ark. | Mike Macken, Mass | John Soneff, La. |
| Rich. Anderson, Ill. | Bob Estand, Texas | Mrs. M. Marshall, N.D. | Jeff Sorensen, Neb. |
| Michael Baker, Md. | George Fisher, Col. | Stanley Mayo, Maine | Wm. S. Sparks, Cal. |
| Greg Barman, Ill. | Irwin Glasberg, P. C. | M. Mohrmann, N. Y. | W.W. Sterling, Pa. |
| John Banta, New York | Michael Gouthro, N.Y. | R. Murphy, Texas | Jerry Stuart, Okla |
| Joseph Breton, Mass | Bruce Haines, Col. | Bob Padula, Australia | Peter Taylor, Eng |
| Edward Bull, Col. | Dr. F. Earle Hall, Mass | Andrew Pappas, Ill. | Chas. Territo, N.J. |
| Dr. Wm. Caldwell, Cal | R. S. Heggs, E. C. | Bob Peritz, N. Y. | Tom Upton, Texas |
| Jeff Cassoria, Fla. | D. Hostetter, S. C. | Frank Peters, Ill. | David Volle, Ill. |
| Gregg Calkin, N. B. | James Hurst, Md. | Geo. Schnabel, N.Y. | C. Wastradowski, Wash. |
| Cal Cornils, Cal | Edward J. Insinger | L. Scoville, N.Y. | Dr. T.B. Williamson, |
| Gerry Dexter, Wisc. | Jim Jankowski, N.Y. | Bob Shepherd, Aust. | Ontario |
| C. M. Drake, B. C. | Chris Kennedy, Md. | Alvin Sizer, Conn. | Steve Zolvinski, Ind. |
| Dennis Driscoll, N.C. | Kris Lemma, Indiana | Edwin Sloan, Eire | |



LOG REPORT

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When reporting please submit your best items only, list items by frequency, and use only one side of the paper.... I again ask that care be given to the identification of stations reported, particularly with the Latin American stations.

This month we introduce some notation which should save some valuable space in the future. We will be using a * to indicate s/on and s/off; thus, *0800 reads s/on 0800, 0200* reads 0200 s/off, and *0900-1100* reads s/on 0900-1100 s/off. Thanks to Bruce Ted Goldman for suggesting this notation.... Many LA stations run late programs on occasion. This occurs frequently enough that we will, in the future, use "SLP" to indicate "special late program".

- 2360 VENEZUELA R. Carupano, Spanish 0954; tough to dig out! (Potter)
2410 HAITI R. Lumière, *0956 French; big level (Potter)
3230 FLJI VRH8, Suva, closing w/wx rpt, ID, choral song & GSTQ at 1040 (Williamson)
3255 VENEZUELA LV del Tigre, LA music 0118, 23 August (Potter)
3215 DOM REP R. Libertad, again being noted with Sp anmts, ID & music to 0500 s/off; was hrd last winter, but not hrd here for several months. (Ferguson) Out of order.
3265 GUYANA R. Demerara, Hindi 0908, chanting; previous to listed s/on (Potter) Poor 0215 w/light mx (R. Anderson) Mx 0230-0250*, in Eng (Henry)
3280 GRENADA WIBS, BBC nx 2300, ID & mx 2310 (Stenson) End regional ns, s/off 0211 (Calkin) Eng 0130 (Henry)
3300 PERU R. Junin, under R. Belize with LA mx 0110 (Potter)
3308 ECUADOR Ondas Quevedañas, 0550 Ecuadorian mx, SLP (Sparks) Ecuadorian music and requests, no ID hrd in 30 minutes listening (Hirst) That's at 0440 (DF)
3315 MARTINIQUE ORTF, Fort-de-France, latest Czech news 0215, 21 Aug (Calkin)
3316 SIERRA LEONE RSL, Morning Svcs 0600 (Sparks) weak to fair 0605 w/Afr mx, 23 Aug (Potter) 0600 rel pgm, weak (Ferguson)
3322.5 BOUGAINVILLE IS. R. Bougainville, as early as 0815, good lvl by 0925; C & W mx, 4 note gong or chime IS; occasional heavy utility QRM (Dexter) Strong 1035-1055 w/ID in Pidgin, C & W mx (Williamson) Native mx 1020 (Henry)
3325 VENEZUELA R. Monagas, Sp 0100 (Henry) Nx & gongs to 0404 s/off (Macken) 0348 chimes & Sp news (Hagerman)
3335 NEW GUINEA R. Wewak, good 1045 w/mx (Williamson) Old pops 1055 (Ferguson-W. Va.)
3350 GHANA R. Ghana, strong w/Eng nx 0600, //4915 also heard (Potter)
3380 GUATEMALA R. Chortis, lite mx 0357-0407 s/off (Tuchscherer)
3385 NEW BRITAIN R. Rabaul, fair 1145 in Pidgin (R. Anderson) ABC nx in Eng 0903 (Williamson) Native & Eng mx daily 1100 (Henry) Talks 0900 (Burnett)
3390 ECUADOR R. Zaracay, SLP 0615, Ecuadorian music (Sparks)
3394 VENEZUELA R. Universidad, rain-barrel modulation; possibly a sports event; ID & s/off w/anthem 0440; QRN rough (Hirst)
3569 LV del Rio Carrizal, SLP; Ec mx, ID, 0636 s/off (Sparks) WRTH Summer Edition incorrectly shows this station moved to 60 meters; it is still on 3569v (DF)
3925 PAPUA ABC, Port Moresby, fair 1100 w/ABC news (Williamson)
3390 NIGERIA Lagos, Afr chants & lang 0450; TC by YL at 0500, Eng mx, NBC ID 0505; noisy. (Hirst)
3990 LIBERIA VOA, Monrovia, 2345 s/off Eng w/local ID twice (Michalenka)
3995 SOLOMON IS VQ04, fairly consistent 1000-1045 in Eng, severe ham QRM (Williamson)
4650 ECUADOR Rdif del Ecuador, 0550 SLP, Ecuadorian mx (Sparks)
4712 ECUADOR R. Luz y Vida, SLP 0725 w/ Ecuadorian mx (Sparks)

- 4728 ECUADOR R. El Progreso, SLP 0545, Ecuadorian mx(Sparks)
 4750 COLOMBIA Emisora Nuevo Mundo, news 0230(Field)
 4755 BRAZIL Rdif. Maranhao, São Luiz, clear ID 0030 w/ news(Field)
 4790 COLOMBIA R. Neiva, new fqy, pop mx, ID 0400 s/off (Sparks)
 4790 COLOMBIA (see above item) Ecos del Combeima, listed on 4785, noted to 0403* with frequent IDs for "La Nueva Ecos del Combeima"; good level. Also reported on this fqy in a European bulletin....Lots of shifts noted in Colombia recently - see also 4880, 4885, 6115 in this month's column(DF)
- 4800 VENEZUELA R. Lara, ID 0250 (Field) Good signal when RTTY gone(DF)
 4807 ECUADOR R. Popular de Cuenca, SLP 0600, Ecuadorian music (Sparks)
 4821 ECUADOR Canal Manabita, SLP 0555, Ec mx(Sparks) LA dance mx 0530(Williamson)
 4829 ECUADOR Ondas del Angel, SLP 0500, Ecuadorian mx & ID(Sparks)
 4834 MALI R. Mali, Afr mx & a man talking 0610; strong by 0630(Cabral)
 4860 VENEZUELA R.Maracaibo, 0340-0358, chimes after each anmt (Tuchscherer)
 4870 DAHOMEY Cotonou, Afr mx 2145, best since last Spring(Sizer)
 4870 VENEZUELA R.Tropical, back on this fqy; SLP, pops & ID 0530, 23 Aug(Sparks)
 4880 COLOMBIA Ondas del Meta, SLP 0600, pops & ID, 30 Aug(Sparks) Bill, Is that fqy correct? See also 4885 & 6115(DF)
 4885 COLOMBIA LV del Llamó, IDs here around 0305; Ondas del Meta listed.(Ferguson) Note: someone else also reported LV del Llamó here, but I lost the item. Sorry(DF)
 4885 BRAZIL R. Pioneira de Teresina, perfect sig 0801 s/on Port (Hagerman)
 4890 HONDURAS R. Lux, in Sp 0122, mixing Venezuela (Potter)
 4890 PAPUA ABC, Port Moresby, Eng noted 1125-1200 tune out; good(Ginther) English 1025, a regular (Henry)
 4890 SENEGAL Dakar, Fr mx 0700, must be 30 kw(Haines) Fr 0700; talks, local anmts (Burnett)
 4895 S.AFRICA RSA, s/on lang 0400(R.Anderson)
 4900 GUINEA R.Nationale du Guinea, s/on 0600 w/French & native music(Hagerman)
 4915 GHANA Accra, good in Eng 2240-2302 s/off (Goldman, Koukol)
 4916 ECUADOR R.Trebol, 0500 SLP, Ecuadorian music & ID(Sparks)
 4920 AUSTRALIA VLM4, Eng talk 1136; fair lvl, QRM IV(Potter) Eng talk 1145(R.Anderson)
 4930 VENEZUELA R.Junin, SLP to 0650 s/off; pop mx & ID(Sparks)
 4940 HAITI R.Diff. Haitienne, Fr political talk 1133; strong lvl 6 Sept(Potter)
 4940 IVORY COAST Abidjan, Eng lesson to 2243 on a Monday; LA QRM by s/off(Macken) Strong 2300 with French speaker(Macken)
 4950 SARAWAK R.M. Sarawak, good 1400 in Eng w/features, mx, nx; fade 1500(Burnett)
 4950 SENEGAL Dakar, French around 0700(Clark)
 4972 CAMEROON R.Yaounde, Fr to 2301 s/off with anthem (Macken)
 4975 PERU R.Del Pacifico, religious pgm 0250, 27 Aug(Potter)
 4980 GHANA R.Ghana, 2315 Eng, on late for election; 4915 in Afr lang(Potter) Eng to 2301 s/off w/Ecos del Torbes QRM at end(Macken)
 4994 SUDAN SBS, Omdurman, s/on 0400 w/anthem, Arab ID; clear for 20 minutes(Hagerman)
 5009.5 SINGAPORE Br. Forces BC Stn, good in Eng 1315; QRM USSR - 5015(Cabral)
 5015 GRENADA WIBS, Eng nx 2345; fair(Martin) Fair in Eng 2315(Macken)
 5020 COLOMBIA Transmisora Caldas, usual good lvl 0600 w/Eng ID(Dexter)
 5035 CENTRAL AFR REP Bangui, several times at 0429 s/on; poor to fair(Macken)
 5041 PORT GUINEA Bissau, 2302 w M & W in Port; fair to good (Potter)
 5045 BOLIVIA R.Altiplano, 0415 mx pgm w/ID 0440(Field)
 5045 BRAZIL "R.Copacabana" w/church svc 2315(Williamson) Prob. relay, see Sept(DF)
 5070 GUATEMALA Some say this is R.Nac. Mazatenango, others say the stn IDs as Rdif Popol Vuh. Apparently is Fri only to 0135 s/off; very weak, no ID noted(Dexter)
- 5120 ECUADOR R.Centinel del Sur, special late pgm 0730(Sparks)
 5930 CZECH Prague, English 0503(Goldman)
 5946 CZECH Prague here to NA 0130, 2 Sept; tx trouble?(Calkin)
 5950 NICARAGUA R.Zelaya, Sp ID 0132; soft Sp mx to 0200 s/off(Koukol) Mx to 0200 s/off(Zamora)
 5955 FRANCE ORTF, Fr pgm on National Health, //9520 at 2145(Calkin)

- 5960 ANGOLA A Voz de Angola, Port mx 0610 (Potter)
5970 PERU R. El Sol, OBX4Q, local mx 0505 after HJ s/off; Peru s/off 0525(Williamson)
5980 EL SALVADOR R.Nac., over RSA 0033 in Sp; pwrhouse(Potter) Nx 0420, good lvl.
 (D.Anderson) Many IDs at usual 0500 s/off, sometimes runs past 0515(Haines)
 0330(Goss)Fair in Sp 0430(Martin) 0505 s/off w/full ID & lousy mod. Now I know
 where RNE sends old mikes!(Calkin) Mx 0330(Behr) Mx 0430(Macken) 0137 Sp mx, ID
 0156, very good(Tuchscherer) 0307 Sp nx & ENG IDs(Hagerman) RSA now gone(DF)
- 5980 GUYANA R.Demerara, fair 0907 past 0945 in Eng(Ginther) S/on 0900(Clark)
 5985 ARGENTINA R.Splendid, 2339 LA mx, ID 2345(Tuchscherer)
 5985 TANZANIA R.Tanzania, s/on 0300 after IS, into Swahili; Afr mx(Koukol)
 6005 BOLIVIA R.Progreso, fair 0222 w/Sp, LA mx(Potter) 1035 LA mx & Sp ID(Akins)
 1012 Sp ID & what seemed to be a local dialect(Hagerman)
 6020 PERU R.Victoria, 0620 late evening fiesta mx & ID, 30 Aug(Sparks).
 6030 CANADA CFVP, Calgary, poor 2030(Byers)
 6030 COLOMBIA R.Nac. de Col., ID, anthem & s/off 0357(Dexter)
 6045 USA VOA, Dixon, uninterrupted mx as early as 0330; covers everything; ID 0408;
 UN mx in Indonesian 0453, also unid lang 0530(Hirst) That's Camdodian at 0530(DF)
 6056 COLOMBIA R.Pacifico, Andean mx 0525, clear ID, cigar ad(Hirst)
 6060 SICILY Caltanissetta, fair 0245 w/lively It. mx; It/Eng nx 0300, under RHC(Koukol)
 6068v COSTA RICA R.Relej, clear Sp ID 0743; poor mod(Potter) 0136 pops; nx 0210; fair
 signal (Zamora)
 6080 CANADA CFKX, Vancouver, weak 0600 w/ID, nx, vx, sports, mx(Haines)
 6090 NIGERIA RTV Kaduna, in native & exc sig 0517 (Dexter) English 0530, nx after
 drum IS(Hagerman)
 6095 BRAZIL R.Dif. de São Paulo, Port talk 0945 (Hagerman)
 6095 COLOMBIA LV del Centro, ID & ads 0330, mx(Tuchscherer)
 6100 HAITI R.Cayes, numerous times at 1000 s/on, never R.Lumière(Sizer)
 6104 HAITI LV de la Rev. Duvalieriste, good in Fr 2152, believe recently inactive
 (Potter)
 6105 MEXICO R.Yucatan, Sp pops, off 0500(Hagerman)
 6115 CONGO REP RTC, Brazzaville, good lvl in French 0525(Dexter)
 6115 PERU R.Union, Sp ID & mx 0490(Caldwell) Make that 0400 (DF)
 6124 PERU R.La Cronica, pop dance mx, ID & 0700 s/off(Sparks)
 6125 BELGIUM RTB, Eng 0050, hard copy due carrier on fqy(Banta)
 6129 VENEZ R.Valles del Tuy, mx pgm 0015 w/many TCs & IDs; TC off 1 min(Field)
 6130 CANADA CHNX, marine wx 0705(Randall)
 6130 SPAIN RNE, Eng to NA 0300-0340 (Zolvinski)
 6140 BURUNDI LV de la Révolution, Bujumbura, weak IS & 0400 s/on; European mx to 0430;
 Fr nx 0430; best time is 0417-0433 when DW carrier on 6145 is off(Calkin)
 6140 COLOMBIA R. El Sol, Cali, 1015 ID, pop mx (Sizer)
 6140 SPAIN RNE, Eng to NA 0105, very good(Banta)
 6145 BIAFRA V. of Biafra, 2330 TC, ID, Eng pgm(Koukol) Poor 0655 when DW s/off
 (R.Anderson) Poor 0600 in Eng(Ginther) Good 2317 w/string mx(Hagerman)
 6150 AUSTRALIA RA, 1330 Eng nx & pops; excellent(Caldwell)
 6155 IRAQ Baghdad, fa ir in Arabic 2149(Potter)
 6170 MOROCCO RTVM, Arab chants till 0000 s/off(Behr) Arab spkr at good lvl nitely at
 2200; no ID but I believe to be RTVM(Sizer)
 6170 PHILIPPINES PBS, Manila, Eng nx 1100(Martin) Strong daily around 1100 w/Eng
 pgms & frequent IDs as "PES - The Phil. BC Svc"(Williamson)
 6195 COLOMBIA LV de Cali, 0600, now hrd here again w/late evening fiesta mx(Sparks)
 6195 TUNISIA RTVT, s/on 0430 Arabic under BBC (D.Anderson)
 6250 EQ.GUINEA(Fernando Poo) Santa Isabel, strong to 2255 s/off in Sp(Koukol) Poor
 to 2303 s/off, but carrier on to 2310(Macken)
 7105 SYRIA Damascus, Arabic ID & mx 0342, fair(Akins)
 7110 MALAYSIA(Malaya) RM, Kuala Lumpur, Chinese HS 0950(Potter)
 7130 TAIWAN BCC, Taipei, mx & YL anncr to 1120 s/off; strong(Wilkner)
 7139 INDONESIA(C&M) RRI, Ambon, YDR2, good sig 1119 w/instr. mx; male anncr(Wilkner)

- 7145 SARAWAK R.M. Sarawak, weak w/man talking 1112(Wilkner) 1430 lang class to 1457(Caldwell)
- 7155 FRANCE ORTF, end Eng nx 0530, into French(Randall)
- 7160 SARAWAK R.M. Sarawak, 1107 w/YL in native lang; fair signal(Wilkner)
- 7165 LIBYA El Beida, 1 Sept, day of coup, Arabic & mx past 0230(Behr) Arabic music 0440 under S.Africa; poor(Cabral)
- 7165 RYUKYU IS VOA, Okinawa, Eng nx 1100; good sig(Wilkner) Eng nx 1100(Henry)
- 7170 NEW CALEDONIA R.Noumea, Polynesian mx, Fr, fair 0715(Rowell) Fr 1105, w/Fr mx; fair lvl(Wilkner) Bob, were they signing off or do they now run past 1100?(DF)
- 7210 SENEGAL Dakar, Fr nx 0710, good(Rowell)
- 7275 NIGERIA VoN, 0622 Eng mx pgm; good lvl(Potter)
- 7290 MONACO TWR, Eng rel pgm 0630(Tuchscherer)
- 7301v BIAFRA R.Biafra, DJ show 0500, poor modulation(R.Anderson) 7306, Eng nx 0500 about the war(Cabral)
- 9457 EGYPT Cairo, 0318-0327* Eng to NA(Goldman)
- 9480 UKRAINE(?) Moscow to NA on this unanned fqy, though they ran thru their normal list, on 1 Sept, Kiev is listed. Noted 0300(Calkin)
- 9507 ALBANIA Tirana, Eng 0135(Goldman)
- 9520 DENMARK R.Denmark, 0145-0215 DX p.m Mondays; excellent!(Goldman) 0215*(Caldwell)
- 9525 CUBA RHC, "V. of Viet.", Eng 0210; good lvl(Chadwick)
- 9525 S.AFRICA RSA, Eng to 0530*(D.Anderson)
- 9530 CHILE R.El Morro, Latin Pops to 0555; is CE953, Arica(Williamson)
- 9540 N. ZEALAND RNZ, Eng 0600-0845, //6080(Rowell)
- 9550 AUSTRALIA RA, new fqy, *1230 Viet, //9650, 1179(Jeeves)
- 9553.5 EL SALVADOR YSS, light pops & ID 0150-0200(Niblack) 2130(Goss) 0500*(Burnett) Sp w/much mention of Honduras 0415; QSLd in 2 weeks(Macken)
- 9560 AUSTRALIA RA, Eng to Eur 0645(Burnett)
- 9565 RWANDA DW, multi-land ID 0620, fair; someone under them(Burnett)
- 9570 NIGERIA RTV Kaduna, 0535 talk on Nigeria(Goldman) Afr mx 0639(Potter) Eng nx 0530; Hausa nx 0540; mx 0548-0600; Hausa 0600(D.Anderson) Eng 0630, poor(Burnett)
- 9570 RUMANIA Bucharest, Eng *0130(Goldman)
- 9575 ITALY RAI, *2230 Italian, //11810(Jeeves) mx & Eng to NA to 0120*(Banta)
- 9585 BRAZIL R.Excelsior, Sao Paulo, often around 2100(Williamson)
- 9605A W.GERMANY DW, *0530 Arabic(D.Anderson)
- 9613 N.KOREA Pyongyang, good at *1100, new fqy(Haines)
- 9615 MOROCCO(RTM, Arab 0630, good to 0730; some seems Berber(Rowell)
- 9615 VATICAN VR, Eng to NA 0050-0104(Banta)
- 9620 YUGOSLAVIA Belgrade, Eng nx & cmtry 2200-2213(Byers)
- 9625 CANADA CBC, Eng 0600, Fr 0620; excellent(Kling)
- 9625 ISRAEL Kol Israel, 2130* w/"Hatikvah" anthem, no ID; carrier off 2135; then a very weak Arab station.(Goldman) Anyone have an ID for the Arab speaker?(DF) Eng 2045 (Martin) Begin Eng 2030, weak(Anthony)
- 9630M EGYPT Cairo, NF, Arabic nx 2230, brilliant lvl, 2 IDs by gal(Niblack)
- 9635 COLOMBIA R.Nac., s/on 1124(Henry)
- 9650 ENGLAND BBC, 0445 Mon., Victor Sylvester still on; two other orchestras have been dropped(Rowell)
- 9655 JAPAN JKH2, Tokyo, Jap Home Svc 0630, list 2200-0645(Rowell)
- 9655 PERU R.Nor Peruana, Chacapoyas, Sp ID 0355, anthem, 0357* (Koukol)
- 9670A MOROCCO VOA, Tangier, Hungarian 0515, // Woofferton on 6080(D.Anderson)
- 9675 BRAZIL Diario da Manha, 2310 w/light orchestra mx(Williamson)
- 9680 AUSTRALIA VLH9, BBC & ABC nx 1300; good to fair(R.Anderson) ABC nx 1200(Martin)
- 9680 ETHIOPIA ETLF, news & mx 0400(Drake) Eng 0400-0420, QRM RHC(Ginther)
- 9682M ARGENTINA LRA, IS & *0000 Port; closer to this fqy than listed 9690(Niblack) I found them on 9689 one day a few weeks ago, Al(DF)
- 9700 BULGARIA R.Sofia, Eng 2150(Goldman) Eng 0000-0100 & 04-0430(Rowell)
- 9705 S.AFRICA RSA, Eng to NA 0230, v.good(Zamora)
- 9710 SWEDEN R.Sweden, NF, Eng to NA 0030-0100; another lousy choice(Jeeves, Goldman. Michalenka) HCJB noted on fqy, too(DF)

- 9715 BOLIVIA R. La Plata, Sucre, 0355 Sp ID & LA pgmmg, while R.Ned off 3 min(Akins)
 9715 ENGLABD VOA, s/on 0300 w/Eng ID, Russian pgm(Goldman)
 9715 NETH ANT TWR, Eng to ANZ 0800-0920(Rowell) Eng to NA 0500; understand this was a test of their second transmitter (Heggs)
 9730 E.GERMANY RBI, Eng to NA 0230(Zolvinski)
 9740M EGYPT Cairo, new fqy, Eng nx 2200 (Niblack)
 9745 MALI R.Mali, s/on 0600 Fr & Afr mx; good to HCJB s/on 0656(Haines)
 9760 GHANA Accra, 2030 Eng to NA; slight QRM from VOA (Banta)
 9780 ALBANIA Peking relay, English 0100(Rowell)
 9784 ALBANIA Peking relay, Eng 0130, weak(Chadwick)
 9805 ALBANIA R.Tirana, Eng nx 0238; talk on Albanian literature (Zamora)
 9810A CHINA Peking, 0200-0255 & 0300-0355 Eng to NA(Goldman) Peking or Tirana relay?
 9825 ENGLAND BBC, 0315 begin Persian Svc after E. Afr. Svc (Goldman)
 9833 HUNGARY Budapest, Eng 2140(Goldman) Eng nx 0103 (Banta)
 10530 KAZAKH SSR Alma Ata, poor sig 0200 w/man talking(Cabral)
 11705a GUATEMALA R.Nac. Quez., Sp to 0407 s/off w/long chorus anthem(Macken) Sp 1700; exc lvl(D.Anderson) 0300(Bull) Not heard for several days; where'd they go?(DF)
 11705 SWEDEN R.Sweden, Eng 0330-0400, lang 0400(Caldwell, Drake) 0300(Bull)
 11714 BELGIUM RTB, 0055-0100 close Eng(Niblack) French s/on 2315(Stenson)
 11718v MEXICO XERMx, R.Mexico, new stn, testing, uninterrupted mx 0000 to first ID at 0056; S/6-7, strong het. Has now started zome talk pgmg; from 3 Sept.(Hirst)
 See also 11940(DF)
 11720 BRAZIL R. Nac. de Brasilia, Port 0040 (R.Anderson)
 11720M CONGO A stn noted from 0030 tunings w/Tam Tam mx; think ID is "Ici R.Diff. TV Nationale Congolaise". Begins fade in around 2245; takes a lot of work to null out the QRM; swamped 0045 by CBC. I suppose this is Dem Rep of Congo. Nothing this fqy currently, but 1955 WRTH listed both R.Leo & R.Congo Belge. Needs more checking; modulation a bit thin.(Niblack)
 11730 NETH ANT R.Ned., Eng to WNA 0500-0620, exc lvl; Happy Stn Mon, //9715(Rowell)
 11730 USSR "R.Kiev", Eng to NA 0044(Banta)
 11735 NORWAY R.Norway, Eng 0430 s/off, Sunday(Goldman)
 11740 VATICAN Vatican Radio, Eng 2045, fair(Ginther)
 11750 MALAYSIA BBC, Tebrau, 1030-past 1100 in Eng; good(Ginther)
 11775 NETH ANT TWR, new fqy, s/on Eng 0230(Hagerman)
 11780 JAPAN NHK, Japanese lang lesson - English - at 1815(Kirkpatrick)
 11800 CEYLON R.Ceylon, Tamil Svc 1215, oriental mx; poor(Haines)
 11805 USA WNYW, new fqy, //17760 in Eng at 2309(Jeeves)
 11815 JAPAN NHK, Eng nx 1806, ID, S-9 plus (Kirkpatrick)
 11820 MEXICO El Heraldo de Sonora, 2100 Sp, mx; many ads(caldwell)
 11825 EGYPT Cairo, Fr & Arabic pgms, frequent Eng IDs asking for rpts; believe was one night only, 10 Sept, at 0100-0245(Randall)
 11825 TAHITI R.Tahiti, fair in Fr 0550(Potter) 0300 native & Fr lang w/native mx; past 0400(Caldwell) From 0630 improving sig to 0758 s/off. All French, no ID hrd, but pgm summary before s/off gives times of Tahitian pgms(Williamson)
 11835 URUGUAY El Espectador, ID 2326; 4VEH s/on 2328(Potter) Sp 0040, het(Koukol)
 11855 ETHIOPIA ETLF, 0255 multi-lang ID & IS; good(Heggs)
 11855 SAUDI ARABIA Jeddah, Eng 0455-0530(Martin) Can't remember seeing English rptd this time before(DF) Eng 1700-2000 daily; Eng nx 1730, full ID 1800(Calkin)
 11860 SWEDEN R. Sweden, Eng to ME 1900, not 11865(Behr)
 11870 AUSTRIA Vienna, Eng ID 0353; s/off 0358(Cabral)
 11875 NICARAGUA R.Nac., Sp mx: 0200, consistently good(Caldwell)
 11875 S.AFRICA RSA, Eng to NA 2330-0320; QRM Nicaragua, //9705, 9715, good(Rowell, Potter)
 11885 SAUDI ARABIA Jeddah, 1940-2000 Eng; Fr to 2100; Arab to 2112 t/o(Goldman)
 11890 E.GERMANY RBI, Eng nx & cmtry 0100-0130; also 0230- (Caldwell) 0230-0315 Eng to NA; M & W w/political talk (Estand)
 11890 PHILIPPINES FEBC, good in English 0900(Martin)

- 11900 S.AFRICA .RSA, Eng to ME 0430-0442, //15220(Rowell)
 11900 TUNISIA R. Tunis, Arab 0430 under RSA(Rowell)
 11920 IVORY COAST Abidjan, exc sigs 0630 w/pop mx & Fr talks (Haines)
 11920 PHILIPPINES FEBC, Eng rel pgm 1345, strong(Cabral) Back to the Bible Bdcst
 1300 (Field)
 11925 UZBEK SSR R.Tashkent, near fadeout 1405 in Eng(Potter) Eng 1200, good(Martin)
 Eng nx 1200(Byers)
 11940 MEXICO R.Mexico, new stn, call is XERMX. First hrd 1 Sept at 1700; exc lvl; Sp
 ID, anncd this fqy only. Hard to guess pwr, maybe 10-50 kw. HRD ONLY 1 Sept,
 despite numerous checks (Potter) See also 11718(DF)
 11948 PARAGUAY R.Encarnacion, fair 0103 w/ID, noticias(Koukol)
 11970 NEPAL R.Nepal, lists sked as 0120-0350 w/5 kw & 1320-1620 w/5 kw(Niblack)
 11970 TUNISIA R.Tunis, good from 0700 except when UN Radio is on(Haines)
 11975A CUBA RHC, new fqy, Sp 1330 & 1507(Jeeves)
 15015 N.VIETNAM Hanoi, Viet 1915, honoring Ho-Chi-Minh, 9/9(Rowell) Eng 2000-2025 on
 death of Ho(Banta) 2000 Eng, poor(Michalenka)
 15080 INDIA AIR, Bombay, poor 1900 w/Eng nx & cmtry(Heggs)
 15090 ECUADOR HCJB, spurious fqy 1356 in Eng; another on 17788a(Potter)
 15090 EGYPT Cairo, Arabic most all day to 2330 s/off(Rowell)
 15095 CHINA Peking, Eng to NA 1250-1255 s/off(Banta)
 15105 AUSTRALIA RA, Fr 0530, //15220, 17820(Behr)
 15105 BRAZIL R.Rural, Brasilia, Port 2315, unlist WRTH(Rowell)
 15105 GRENADA WIBS, pop mx 1650 in Eng(Wilkner)
 15110 JAPAN NHK, 1658 IS & s/on Gen Svc w/Eng nx(Mitchell)
 15110 NEW ZEALAND RNZ, pop mx to s/off 0545 (Mitchell)
 15120 FRANCE ORTF, Fr w/pop mx; strong S-9 sig at 2130(Wilkner)
 15120 PAPUA ABC, Port Moresby, sports in Eng 0600(Akins)
 15125 PORTUGAL R.Port, Eng nx 0212; Press Roundup(Wilkner)
 15130 SPAIN R.Liberty, IS 2000 & Russian; heavy jamming(R.Anderson)
 15135 IRAN R.Iran, Iranian mx 2125; fair(Wilkner)
 15140 ENGLAND BEC, WS 2120 w/sports report(Wilkner)
 15140 E.GERMANY RBI, Eng to Afr 0345-0430(Rowell)
 15145 BRAZIL R.Jornal do Comercio, ID 0218 in Port; good(Wilkner)
 15150 USSR R.Moscow, - Minsk or Omsk - in Eng at 2220; strong; also strong 0215
 (Wilkner)15150 SAUDI ARABIA Jeddah, 1700-2245 Arabic, QRM R.Iran(Rowell)
 15155 BRAZIL R.Dif de São Paulo, futebol 2230 in Port; fair(Wilkner)
 15155 IRAN R.Iran, around this spot since 4 Sept, 1530-2125 in multi langs, Eng 2000-
 2035; QRMs Jeddah on 15150(Rowell)
 15160 TURKEY Ankara, to Eur in Ger 2100, Fr 2130, Eng 22-2230; s/on 0427 Turkish
 (Rowell)Turkish mx 2225; strong sigs; in Eng(Wilkner) Wng 2215(Randall)
 15165 DENMARK RD, DX Window 1250 (Mitchell)
 15165 SYRIA Damascus, 1645 mx & woman in Arabic (Wilkner)
 15170 AUSTRALIA RA, new fqy, ex 15320, Eng to NA 0100(Jeeves)
 15170 ETHIOPIA ETLF, poor w/lang ID 0435(Heggs)
 15185 FINLAND OYA, Finnish ID "Suomen Yleisradio" by man 1700; good sig(Wilkner)
 15185 FRANCE ORTF, Eng nx 1915-1930(Banta)
 15190 CANADA CBC, Eng 2220 w/sports nx(Wilkner)
 15195 ECUADOR HCJB, Japanese 2215-2230; strong(Wilkner)
 15195 JAPAN NHK, 2057 Eng talk on tobacco & cancer(Kirkpatrick)
 15200 AUSTRIA Vienna, s/on 2040, German anmts(Rowell)
 15210 AUSTRIA Vienna, s/on 1915, read full sked in German(Anthony)
 15235 W.PAKISTAN Karachi(?), cmtry, then Eastern mx, annc s/on 1945(Blossom) 15240,
 s/on 1945 after droning IS; mailbag pgm(Michalenka)
 15260 CUBA RHC, NF, to Eur 2040, sked 2010-2140; BBC same fqy(Jeeves)
 15260 CYPRUS Cyprus BC Corp., Nicosia, 1900 s/on w/test tone, 16 note IS as per WRTH,
 Greek anmts & mx to 1920 when full English ID given. After 2000 BBC QRM. Cyprus
 off 2105. First noted 2 Sept; apparently they have resumed their tests. Sig is
 excellent! 100kw? Rpts to Box 1824, Nicosia, reportedly(Calkin)

- 15265 AFGHANISTAN Kabul, German 1730, English 1800-1830; QRM Gorki, USSR(Rowell)
German 1730, English 1800(Calkin)
- 15265 W.PAKISTAN Karachi, English nx 1900 on this adjusted fqy(Calkin) 15264, English
news 1800(Cabral)
- 15270M SYRIA Damascus, new fqy, 1730-1800 German; English ID, requested reports 1800;
fine lvl(Niblack) Nx, ID 1945, more mx; QRM VOA Tangier(Tuchscherer)
- 15275 W.GERMANY DW, English news 2105(Kirkpatrick) 2100 begin Eng to Asia(Anthony)
- 15275 POLAND Warsaw, s/on lang 0500, possibly Italian(Heggs) English 1320 w/Polish
folk music(Sizer)
- 15280 NEW ZEALAND RNZ, to 0545 s/off; anmt to retune to 6080 or 9540(Hirst)
- 15285 LEBANON Beirut, Eng to NA 0230, QRM RHC(Heggs) Eng to NA 0200-0230(Goldman)
- 15285 VATICAN VR, Eng to NA 0050-0100(Zolvinski)
- 15310 BRAZIL R.Nac., 2130 s/on anthem, mx, talk to 2205(Blossom)
- 15310 GUINEA Conakry, unusually good lately in Fr, mostly w/local mx; 0715(Burnett)
- 15315 PORTUGAL Em.Nacional, Port to Brazil 2130-0050(Rowell)
- 15345 KUWAIT R.Kuwait, Eng 1600 w/pops, gal anncr(Banta) Nx 1730, pop mx 1745; good
lvl(Stenson) Ex 15405, nx 1730(R.Anderson) Nx 1820, good(Drake) Strong 1730
(Ramsey) ID 1700, Eng pgmning, best ever hrd(Niblack) English 1730-1806; fair
(Ginther) Eng ID, mx, nx 1730; ex 15405(Calkin)
- 15345 NORWAY R.Norway, Eng 2200, poor(Ginther)
- 15365 NIGERIA Lagos, Eng to 0738 s/off(Goldman) Good 0700 Eng to Afr w/nx(Burnett)
- 15370 BRAZIL R.Tupi, sports 0115(Tuchscherer)
- 15370 KUWAIT R.Kuwait, Eng 0400 thruout the month; poor to fair(Heggs)
- 15400 ETHIOPIA ETLF, 0430 s/on Eng ID & Arabic pgm(Goldman)
- 15410 AUSTRIA OR, 0700 s/on under AFRTS; ID, Ger, Eng, Fr(Rowell)
- 15410 W.GERMANY DW, s/off German 0110, under RAI(Sizer)
- 15445 BRAZIL R.Nac. de Brasilia, 0336-0500 w/mx, both Port & Eng; many IDs(Banta)
- 15445 JAPAN NHK, Eng to NA 0040-0045 s/off(Banta) Eng 2345(Kirkpatrick)
- 15450 E.GERMANY RBI, 0335-0415 s/off w/Eng political talk(Estand)
- 15495 MEXICO XERR, Sp 0100, not on 15110. Strong, distorted sig; daily(Behr)
- 15519v E.PAKISTAN Dacca, consistently good with English news 0210(Calkin) Fair 0210
with English news (Cabral)
- 17765 USA AFRTS, Delano, English 2300(Ramsey)
- 17775 AUSTRALIA RA, Eng to NA, s/on 0100; ex 17840, //15170 (new), 21740(Jeeves,
Potter, Balbi)
- 17785 JAPAN NHK, Gen Svc 0500, QRM Khabarovsk(D.Anderson)
- 17790 RSFSR(As) Khabarovsk, Moscow nx 0430; runs past 0500; flutter fade(D.Anderson)
- 17815 S.AFRICA RSA, 1025 mx pgm to Australia(Mitchell)
- 17825 AUSTRALIA RA, English to Africa 0330(Caldwell)
- 17880 PORTUGAL Em. Nac., Port. 2045, 250 kw(Rowell)
- 21455 NIGERIA V.of Nigeria, Eng 1845-1900 s/off, fading(Goss) Eng 1800, good(Martin)
- 41480 S.AFRICA RSA, new fqy in Eng to UK at 1802; annc //11875(Jeeves) New fqy noted
1810, probably down from 21500 to avoid AFRTS (note: now American Forces RT Svc;
not Armed any more) (Hirst)
- 21560 VATICAN VR, rel nx to India/SEA in English at 1520(Mitchell)
- 21575 HOLLAND R.Ned., French test pgm 2000-2120(Behr)
- 21580 CONGO REP ORTF, Brazzaville, English 1915-1930; fair(Ginther)
- 21600 SWEDEN R.Sweden, new fqy, Eng 1600 (Jeeves)
- 21640 JAPAN NHK, Eng 0200-0230, then Spanish(Kling)
- 21670 NORWAY R.Norway, Norwegian 1900-2031, //21655, 21730(Behr)
- 21680 KUWAIT KES, Arabic ID 1610, mx; good(Koukol)
- 21685 KUWAIT R.Kuwait, Arabic 1500-1908 s/off, regular (Behr)
- 21740 AUSTRALIA RA, Eng to NA 0100-0300, //17840, both good(Rowell) English 0100,
mailbag pgm 0110 Sunday(Byers) English 0230, fair(Kling)
- 25790 S.AFRICA RSA, 1425-1430 s/off w/Sunday concert mx, English(Tuchscherer)

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(See next page for Tentative Loggings, Reporter Credits and Notes from your Editor.)

TENTATIVE LOGGINGS

- 3340 (Unid rather than tentative) An African noted 0546 w/Afr mx; weak(Potter)
 3375 ANGOLA Em.Oficial, Port anmts 0603, pop mx; 23 Aug(Potter)
 5060 ALBANIA R.Tirana, 0410, I think I hrd a Tirana ID(Macken)
 6105 Anmts for "LV de Capital", no other ID; s/off 0500 abruptly. Must have been a bullfight as running cmtry about "torero" w/frequent mention of "Republica Dominicana"; from the crowd noises & tone, I believe the torero lost this one. R.Nac. Tacna or Merida? S-5 sig here, assumed to be Mexico, still not sure(Hirst)
 17730 MALAGASY REP RTVM, Fr pop mx; format similar to reports on them here; noted 1423. Not ORTF on 17735; 7 Sept(Potter) Seems to me I recall one of the European clubs noting this one had ceased operation on 17730. Reactivated?(DF)

 Thanks to our reporters:

Ron Akins, Sr., WOSIV, Mo., DX-150
 Douglas C. Anderson, Fla, WR-600
 Rick Anderson, Ill., HQ-200
 Don Anthony, Conn., Allied A-2515
 John Banta, NY, SX-110
 Ernest S.Behr, Ontario, R-530
 Thomas I. Blossom, Ind. 2-B
 Edward H. Bull, Colorado (?)
 Tom Burnett, Calif., SX-110
 Robert E. Byers, Ontario, GR-54
 Stanley F.Cabral, Calif., R-530
 Bill Caldwell, Calif., SW-4A
 Gregg A. Calkin, New Brunswick, SW-4A,S-108
 C.W. Chadwick, Iowa, WR-600
 Richard Clark, Pa., (?)
 Gerry L. Dexter, Wis., HQ-180 & R-4B!
 Chris Drake, Br. Columbia, HA 225
 Bob Estand, Texas, DX-150
 Dan Ferguson, Fla., SB-310
 Marlin A. Field, Mich., SX-100
 Jack C. Ginther, Ill., SB-310, WC-188
 Bruce Ted Goldman, NY, HQ-145AC
 Randall G. Goss, Texas, GR-54
 Bob Hagerman, Mich., Star Roamer
 Bruce Haines, Colorado, SW-4A
 Dick Heggs, Br. Columbia, SB-310
 Thomas Henry, NY, GR-54
 Del D. Hirst, Texas, HQ-100
 Alan Jeeves, Pa., S-118, Nordemende
 Bob Kirkpatrick, Br. Columbia, (?)
 Al Kling, Mo., (?)
 Craig Koukol, Ill., SX-130
 Mike Macken, Mass.,
 Bill Martin, Del., WC-183
 Henry Michalenka, R.I., GR-54
 Art Mitchell, Ohio, SX-130, Star Roamer
 Al Niblack, Indiana, SX-100II
 David Potter, Fla., S-40B
 John N. Ramsey, Conn., (?)
 Harrison Randall, Mass., Philco T999
 Sam Rowell, Wash., DX-150
 Al Sizer, Conn., DX-150
 Bill Sparks, Calif., R-4B

John D. Tuchscherer, Wis., HQ-100A
 Kim Stenson, Vermont, Zenith, Scott
 Bob Wilkner, Fla., SW-4A
 Dr. Tom Williamson, Ontario, HQ-180
 Larry Zamora, Texas, HQ-200
 Steve Zolvinski, Indiana, RCA

 Some reporters are sending in items which could well have been sent in the previous month. PLEASE keep your reports up-to-date! Items heard 3-4 months ago are of no use to others at this time.

 This section is smaller this month than it could have been; there just was not time to handle every item from each reporter this month. The DX items and other useful items have been used, though.

 I have received much comment on the recent underlining of good DX tips, all of it favorable. I have tried to underline the best DX item without overdoing it. There are, of course, items on which people would probably disagree, but that has to be expected..... I would appreciate comments on the possibility of marking those items which a beginner might find of interest. I am not considering marking regularly scheduled bdcsts to NA, or those items which are reported month after month, rather those stations between the two extremes, those somewhat more difficult than the "big boys" to receive, but still not beyond the reach of the newcomer to the hobby. Please let me know what you think. ...I'm really just trying to find a use for all these symbols I have on the typewriter. To those who asked, I did manage to find room to take my wife & boy to W.Va., along with the receiver....I'm still trying to recover from the Kanawha Valley air.

.....73, Dan.

SAUDI ARABIA: (FLASH) 11855 Saudi Arabia Broadcasting Svc heard in English, Sept., till 2000. (Goldman)...Heard from 1700-2000 on 11855 with English and light pops. (Figloizzi)... Was much jubilated to find new English Svc of Saudi Arabia on 11855 from 1830-2000, 1 Sept. (Reynolds)... Djeddah noted with change from English to French at 2000, 11855. (Calkin)(I have been wondering when the outlet would use English, Editor)... "Ici Djeddah", ID, heard nice and clear, 2000, on 11855. (Herkimer)

SEYCHELLES: (FLASH) The 3kW SW xmitter of FEBA should be testing probably on 15165 from 0100, and on 17755, 1300-1630. Look later on for the 30-50kW xmitter. (SCDX)

SENEGAL: 4890 Chaine II is back, 0630, in French, excellent signals. (Fisher)

SINGAPORE: 11940 R. Singapore is regular around 0900, fair 1400, English news (Balbi)

SO. AFRICA: I was lucky to get ZUO, Republic Observatory, 5000, at 0030, with a Morse code ID, fair signal lvl. (Fisher)

SWEDEN: R. Sweden will use 5980 as of 1 Oct. to No. America, from 0000. (Anderson) ...Currently 9710, R. Sweden is fairly readable from 0030-0200, despite QRM. (Banta)

VATICAN: R. Vatican since 9/16, back on new 11725 and 9615, 0050 to N.A. (Balbi)

VENEZUELA: R. Popular noted on 5010 at 1015, in seemingly a move from 4810. R. Bocomo unheard. (Sizer)

YUGOSLOVIA: R. Belgrade, 9625, fair lvl in English 2200-2215, news. (Volle)

FLASH:COLOMBIA: In a long distance last minute deadline phone call Editor Dan Ferguson informs that he has located Emisora Atlantico on 4906. This seldom reported one heard from 0340-0502 S/off with anthem. Prgraming of usual Latin-American format.

FLASH: SWEDEN: According to an anct on R. Sweden, 11705, 0340, the SCDX Bulletin will again be mailed out, after being discontinued for a period. (Hirst)...SCDX has again begun to send out the DX letter again on a bi-weekly basis. (Upton)...Sweden Calling Dxers prgm is again sending out the bulletins via airmail. (Banta) (Your Editor has received two bulletins from SCDXs again, and it seems like old times. Welcome back, Arne Skoog! Editor)

CLANDESTINE: Radio Scadi (Ezukadi). "The Voice of the Basque Underground", is reported in Spanish and Basque on 13260, 15050, at: 2030-2100, 2230-2300, and 2330-2400. Anctns are also in English and French. The station is certainly not operating from inside Spain. Direction-finding tests point to somewhere along the Northern Coast of So. America. Of a certainty, it is not coming from Eastern Europe. (SBC)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 9-4-69: (For August 1969) 1-175, 2-182, 3-161, 4-174, 5-158, 6-134, 7-126, 8-96, 9-103, 10-90, 11-75, 12-60, 13-47, 14-50, 15-62, 16-46, 17-38, 18-32, 19-29, 20-23, 21-38, 22-46, 23-62, 24-66, 25-75, 26-90, 27-98, 28-107, 29-124, 30-138, 31-114 MEAN-90.9

PREDICTED: Sep-96 OCT-94 NOV-93 DEC-92 JAN-90 FEB-89 (Grady Ferguson)

WORTH TAKING A LOOK AT: Direct from Drake comes the word on their new SPR-4, available in November. Priced at \$350., notch filter an additional \$20. The SPR-4 is a solid state general purpose receiver which may be programmed to suit your tastes; i.e., for shortwave listening, amateur radio, and etc. WRITE THE MANUFACTURER.

ACKNOWLEDGEMENT: Richard Anderson, Ill...August Balbi, Calif...John Banta, N. Y... Ernest Behr, Canada...Robert Byers, Canada...Editor Gregg Calkin, Canada...John Figloizzi, N. Y...Grady Ferguson, N. Carolina...Editor Dan Ferguson, Fla...George Fisher, Colo...Bruce T. Goldman, N.Y...John Herkimer, N.Y...Del Hirst, Texas...Don Jensen, Wisc...Chris Lemma, Ind...Marlin Field, Mich...Editor Bill Mathews, Ohio...Al Niblack, Ind...Al Reynolds, N. C...George Schnabel, N.Y...Ed Sizer, Conn...Charles A. Territo, Jr., N.J...Tom Upton, Texas...Dave Volle, Ill...Radio Sweden...Swiss Broadcasting Corp. (Our thanks to all, Editor)

This Flashsheet is edited and compiled for DXers. How good it becomes depends in part upon its reporters. Your Editor offers you complete cooperation in this endeavor.

Please write on one side of the paper only; please do double space between items; please do not submit items to this department that have been submitted to other NASWA Editors. Please do not include your items in the text of a letter but put them on a separate sheet. Please do quote the make and model number of your receiver. Last minute flash items may be phoned in after 2100 GMT, to 882-3976. 73, gud DX,.... AL