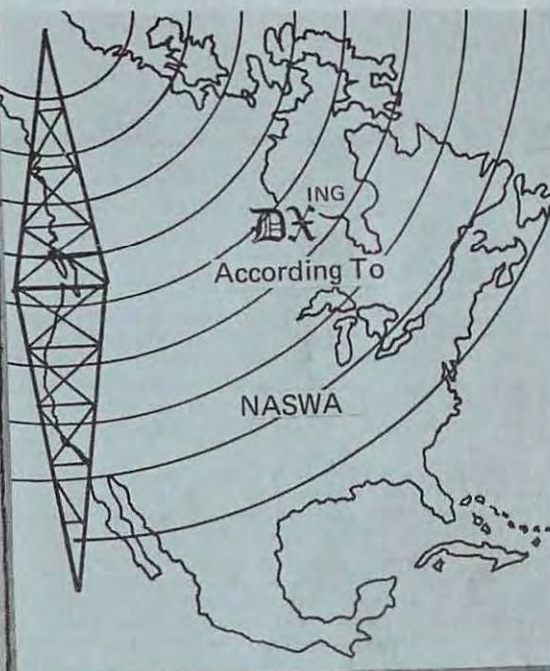


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NOVEMBER—1976
P.O. Box 13
Liberty IN 47353

North American SW Association

Loudenboomer



report

Have you been listening to short wave lately? I mean really listening? Sure, sure, you've been working hard trying to log Radio Cordac and the Voice of the Great Pumpkin. But how about all the great programs you're missing out on?

Lately I've been doing a lot of short wave program listening and already have a list of regular favorites which I try and catch. Here they are:

Let's Speak Quechua: Mondays, Thursdays and Saturdays from 0045 to 0457 on Radio Jollysuyo. Light humor, typical of the Andean areas of Peru is sprinkled throughout the program making it a real delight for neophyte and expert alike!

Back and Forth: Newly added to the Radio Amsterdam schedule, B-F is a fast-moving debate between two proponents with opposing views on a timely issue. The verbal combat takes place as the debaters simultaneously play ping-pong in the studio. Wednesdays at 1600. First two games out of three wins.

The Edgar Rice Burroughs Dinner Theater: Aired Sunday nights (local) over Radio MoneyMaker, a new, high-powered European pirate. This 14 thousand week series will eventually dramatize all of ERB's works. A cast of two former Broadway stars handle all the parts and sound effects before a live audience in a Dr. Pepper garden outside the station's studios.

Ralph and Ron's Radio Repartee: Two bright, contemporary comedians handle this weekly half hour Fridays at 0200 over Radio Radio. Ralph and Ron look at the lighter side of the week's news, adding their own witty comments. Regular features include interpretive readings from selected international phone books, crossword puzzles and 4 moves in Ron and Ralph's ten-thousand square foot Monopoly game.

Papa Paul's Pop Party: The international pop music program. The music is based on a weekly survey of key radio stations throughout the world which results in a Top 222. Unfortunately, 15 minutes is not quite adequate to handle playing 222 recordings so the show is running a bit behind what may be number one in the listener's area. Right now on PPPP it's "Stardust."

Scientifically Speaking: Features Professor Leon Shortwig of the Manchester Academy of Lesser Known Subjects. The professor provides capsule courses in chemical engineering, computer design and application and so on. Thanks to this program I sunk an oil well in my back yard using common everyday materials and 14 hours of spare time after work on Tuesday nights.

Great Literature of the Subandis: Translated and interpreted by Irma Londono, an expert on these Southeastern African people and their culture. The program is interspersed with the music of the area which features the mo-mo, a flute-like stringed device played with the left hand and right foot. Over Radio Zilch, Tuesdays at 1230.

Concerts in Miniature: The Berne Symphony Orchestra and Golden Coin Glee Club play and sing sixty second versions of the great masters while surrounded by great paintings of a matching period. The music is a bit fast but the pictures are pretty.

Lottie Bellweather, Lottie Bellweather: The continuing story of a young maid serving the household of Sir Anthony Greatcoat, formerly a first lt. in the NW Pakistani mounted Police and Tootsie Roll pitching club. Lottie is continually getting herself into at least temperate water. In the last episode Lottie and visiting cousin Henrietta are caught with their hands in Sir Anthony's private Tootsie Roll Jar.

As you can see, and hear if you will, there are all kinds of fascinating programs waiting to be enjoyed on short wave. Got to go. Almost time for High Adventure, this week featuring Martin J. Thornbitz who's going to tell about ascending the top of Lhotse I in a Rickshaw!

THE NASWA COUNTRY LIST

Recently, American Short Wave Listener's Club (ASWLC) announced that it will use the European DX Council (ARDX) country list as the standard for its awards program. Earlier, SPEEDX took similar action. There have been published statements in other clubs that imply there is a movement underway to get all clubs to use the EDXC list.

NASWA has it's own country list, adopted many years ago and kept current by a special NASWA committee. There is no thought being given to the adoption of the EDXC or any other country list by NASWA.

We recognize the attraction of having one universal country list. There have been many such attempts in the past, including two efforts by Association of North American Radio Clubs (ANARC). For a number of years the NASWA country list committee has informally worked with certain members of other U.S. clubs in an attempt to come to a suitable agreement for a jointly administered list based on the NASWA model. These efforts came to naught.


As attractive as the universal list proposition is, it is not so attractive as to cause the adoption of a country list that is less suitable than our present list. It should be recognized that no country list is ideal. There are some inherent problems in any list because of geographical, political, and hobby traditional factors that cannot be resolved. NASWA's list seems to have found workable solutions, compromises to be sure, to the worst of the problems.

The EDXC list, for example, by an adherence to political factors, which as we all know, frequently change, is divided into two sections, Existing Radio Countries and Former Radio Countries. If one hears a station before a certain date a certain country may be counted; after a certain date it may not. An Existing Radio Country may be counted today, but not tomorrow, if, for example a political change occured last night. The preamble to the NASWA Country List explains these sorts of problems in greater specifics.

Additionally, the EDXC list, for example, considers the Soviet Union as one single radio country, since it is that politically. Yet from a radio reception standpoint, it is clear that there is little practical justification for considering reception of Khabarovsk to be no different from that of Kiev. When it comes to the U.S.A., the political rule goes out the window and Alaska counts separately. The list is different, and any group is entitled to chose it as a standard, as ASWLC and SPEEDX have done.

For the specific purposes of NASWA, an all SWBC club, it does not seem an improvement on the existing list. The NASWA 1976 Country List has been announced as being available from HQ for a .13¢ stamp, and the list has been included in all copies of "DXing According to NASWA" sold to date.

EXCLUSIVE WRTH OFFER

Gilfer Associates, Inc., P. O. Box 239, Park Ridge, NJ 07656 have advised  They will extend a \$2.50 discount to NASWA members on the purchase of their 1977 WORLD RADIO TELEVISION HANDBOOK if ordered through NASWA. Perry Ferrell advises that the book will normally sell for \$10.95 and present schedules indicate it should be available during February, 1977.

An up to date WRTH is essential to any serious DXer or casual listener, so here's a chance to take advantage of a worthwhile saving on an important source of SW information. To qualify for the discount, read and follow the following instructions to the letter.

Send check or money order in U.S. funds only in the exact amount of \$8.45 (\$8.87 for New Jersey residents to include 5% tax), issued to "NASWA/WRTH - 1977" and mail to NASWA, P.O. Box 13, Liberty, IN 47353 to be received not later than January 7, 1977. DO NOT include payment for other NASWA items, and DO NOT mail to Gilfer Associates.

When the books are available, they will be mailed to you post paid by Gilfer Associates, Inc., and not NASWA. This offer is limited to U.S. and Canadian members only. Our thanks to Perry and Jeanne Ferrell for making this offer possible.

VOLUNTEER MONITORS WANTED

The FCC International Broadcast Service Group, preparing for the 1979 World Administrative Radio Conference, needs monitors to report on the amount of utility and/or broadcast radio transmissions heard in the following ranges; 4450-4650 kHz and 5740-5950 kHz. No fixed listening schedule is required except that the monitoring should be after local sunset. For information please write to Kim Andrew Elliott, 317 Polwell Hall, University of Minnesota, Minneapolis, MN 55455

MORE ABOUT THE NASWA SURVEY

We are pleased at the 75% response for the recent comprehensive survey of NASWA members. However, for our final report on the results of the survey, there needs to be some accounting for the 25% who did not reply. If you are one of those who did not return the questionnaire, we would like to know why. Did it concentrate too much on program content? Was your questionnaire defective? Did it take too long to fill out? Be honest and critical. Send your comments regarding this matter to Kim Andrew Elliott, 317 Polwell Hall, University of Minnesota, Minneapolis, MN 55455.

Results and comments on the survey are being published in FRENDX in installments as space allows, and we hope the results are of interest. We should mention that only U.S. members who were in the organization as of May, 1976 would have received questionnaires.



M.R. Leonhardt
Executive Director-NASWA

HELPING HAND: Wanted. Someone who has access to a mimeograph machine that will use A.B. Dick stencils and would be willing to run some stencils for NASWA Headquarters. We are out of the various foreign language reception report forms which are furnished free to those requesting them. There are a total of 18 stencils to be run on both sides of nine sheets 8½" X 11" paper. We will pay for paper and shipping costs. Anyone having access to a machine and willing to do this, please contact NASWA Headquarters, P.O. Box 13, Liberty, IN 47353.

SAN DIEGO THANKSGIVING GET-TOGETHER: The annual San Diego area Thanksgiving get-together will be held at the home of Albert and Helene Lobel on November 20, 1976 from 12:00 noon on. There will be a charge of \$2.00 per person payable at the door for refreshments. Please write or call in advance if you plan to attend so the hosts can get some idea on how many plan to attend. The address is 10514 Caminito Baywood, San Diego, CA 92126 or call 714/566-0092. DXers of all interests welcome. Phone or send SASE for detailed directions and saying where you will be coming from.

HELPING HAND: For sale. DX-160, new as of 3/15/76. Price \$109.00. Contact Bill Detisch, #5 Cabin Street, Pittsburgh, PA 15212, or call 412/231-3675 after 6:00 PM EST.

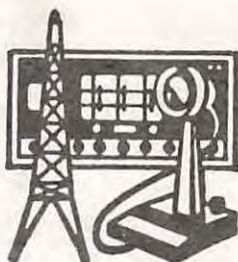
HELPING HAND: For sale. Barlow Wadley XCR-30 in good condition. \$225.00 plus shipping. Contact Robert Vokes, 2406 Quarry Road, Austin, TX 78703.

HELPING HAND: Wanted. Bendix IM 13 or surplus BC 221 frequency meter with power supply and manual in good order. Call Larry Brookwell 714/429-9728 collect.

HELPING HAND: For sale. SX-190 receiver with extra crystals \$175.00 plus shipping and as is. Works but has slight hum. 19 inch rack mounting panel and repair manual included. Also have DX-160 in good shape. \$80.00 plus shipping. Contact Bill Coleman, Jr., 114 Circle Drive, Rocky Mount, NC 27801

TUCH'S TRIVIA: What's in a name? ARGENTINA is the latin equivalent of the Spanish word La Plata, silver, as the region was known during colonial times. DOMINICAN REPUBLIC. The aboriginal name of the island was Quisqueya which means "Mother of the Earth".....GUATEMALA. The aboriginal name of Guatemala is Quauhitemallan which means "Full of Trees".....MEXICO. This name comes from the Aztec war god, Mexitli.....URUGUAY means "River of Birds".....VENEZUELA means "Little Venice".

Shortwave— Center—



•Editor: Jerry Lineback
Box 325, St. Joseph, IL. 61873

NOV 76

Welcome to the November issue of FRENEX. We hope that the news and information in FRENEX will help make your hobby more enjoyable. If you have articles that are suitable for SWC or if you have suggestions about format or content of SWC please communicate them to your editor. We solicit original and compiled articles on subjects pertaining to shortwave radio. The material appearing in SWC comes from YOU. Timely material should be here by the 10th.

Restoration



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Boulder, Colorado 80302
September 28, 1976

Jerry A. Lineback
411 South Fourth
P. O. Box 325
St. Joseph, Illinois 61873

Dear Mr. Lineback:

We are happy to inform you that, because of public response, we have received the means for resuming the geolert broadcasts on the Ft. Collins WWV station. Initially, the message (at 18 minutes past the hour) will contain the solar radio 10 centimeter flux, the geomagnetic A-index and summaries of major solar flare events. The format will be the same as was used last year. The service will resume October 1, 1976. Please note that the service will not resume on WWVH, Hawaii. We hope this meets your needs for solar geophysical data.

Sincerely,

A handwritten signature in cursive that reads "Gary Heckman".

Gary Heckman, Chief
Space Environment Services Center

This is the kind of mail I like to receive. Heard with mentioned information on 2 October. The information at :14 past was dropped 30 September, however. See what a few letters will do.

FRG-7



THERE IS A FROG IN YOUR FUTURE

Additional user reports on the Yaesu-Musen FRG-7 general coverage communications receiver

Compiled from independent reports by Jim Ronda, Youngstown OH, and Ed Insinger, North Plainfield, NJ

In the past year or so, three manufacturers have marketed new general coverage solid state receivers utilizing the Wadley loop circuit. The Drake SSR-1, the Kenwood QR-666, and the Yaesu-Musen FRG-7 all have the Wadley loop design in common. However, beyond that point of departure, all three receivers are quite different. This review will focus on the FRG-7 (now affectionately known as the Frog) and compares the Yaesu product with written comments made by others on the SSR-1 and QR-666. The Frog will also be compared with a four year old, but recently re-tubed Drake SW4-A during 30 hours of listening by Jim Ronda. Both receivers used a 65 foot indoor (attic strung) single-wire antenna, various home brew tuners, and Telex CS-1210 headphones.

Stability: The FRG-7 is a very stable receiver. Its solid state design makes for no warm-up drift. A one hour test with WWV showed no audible drift.-Jim

A minimal amount of drift is noticeable upon immediate use of the receiver after turning the power on. Fine tuning of the kHz control eliminates this with no difficulty. Optimum performance occurs after a 30 minute warmup when the greatest amount of drift one can experience is specified at ± 500 Hz.-Ed

Sensitivity: I tested the FRG-7 against the SW4-A and a Gilfer A-20 preselector, and found that the FRG-7 without the A-20 was just as or more sensitive than the SW4-A with the preselector. In more than 30 hours of listening with the Frog, I have found it to be a very sensitive receiver. The specifications claim sensitivity to be better than 2 μ V at S/N of 10 dB. Those numbers aside, my ears tell me this is a "hot" receiver.-Jim

The ability to surface a weak signal amidst a myriad of noises and uncontrollable atmospheric conditions is present in the FRG-7. Noise problems begin within a receiver itself; the FRG-7 is ultra-quiet from within. I cannot detect a trace of "hiss" from transistor operation. A husky power transformer provides hum-free audio. The generous S-meter dances and leaps along the active SW bands, while detecting weak signals with low but visible readings. Sensitivity on AM is listed as better than 2 μ V at S/N of 10 dB and on SSB better than 0.7 μ V at the same S/N. The AGC circuit eliminates extremes in signal strength caused by fading.-Ed

Selectivity: The ARRL Radio Handbook defines selectivity as "the ability to discriminate against signals of frequencies differing from that of the desired signal." At this task the Frog does an adequate job. My feeling is that the FRG vs SW4-A matchup, the Drake comes out slightly ahead. However, the Frog is surely up to the standards of a genuine communications receiver.-Jim

The FRG-7 has the ability to detect interference laden SW stations. With the use of the tone control, I have been able to separate two stations operating extremely close together. For example, I have been successful at separating RHC on 11930 from TWR on 11925 in the 0120 time slot. Cuba operates at 50 kW while the TWR booms in at 250 kW. Selectivity is enhanced by the use of a ceramic filter in the 455 kHz IF circuits. Specifications list the dial calibration accuracy at 10 kHz throughout the frequency coverage. This level of accuracy is both correct and modest. With the addition of the "dial set", the main tuning dial can be calibrated on any band with a time signal, strong station, or crystal calibrator. Due to the ultrafine hairline, the accuracy can be read to greater than 5 kHz on any frequency range.-Ed

The Frog obviously cannot duplicate the 1 kHz readout of the SW4-A or similar 500 kHz segment Drake receiver. However, I can usually read the dial to about 2 kHz. Calibration and alignment have been checked repeatedly against WWV/CHU/VNG/YTVO and the FRG has always been right on the nose.-Jim

Audio Quality: Both the FRG-7 and the SW4-A were tuned to one station and then monitored with Telex phones of the correct impedance. The audio quality of both was good with the Drake sounding a bit sharper.-Jim

Front Panel Layout: The front panel contains many useful controls deserving careful study:

Attenuator: A three position sensitivity switch

Tone: A three position audio response switch providing variable selectivity

Mode: A four position control to choose USB/CW, LSB, AM, or AM/ANL (which reduces the level of impulse-type noise)

Record: A 1/8" phone jack output that maintains a constant level regardless of the volume control level

Preselector: Contains an ingenious pilot light arrangement which provides peak illumination according to frequencies chosen on the band switch. (This arrangement reminds me of the old Hammarlund "masking" design effective in reducing error in reading frequencies.)

Lock: Another new feature which visually provides "sides" on each MHz setting. This enables one to accurately center tune each MHz segment, virtually eliminating incorrect settings. Precise adjustment of the MHz dial turns off the lock light emitting diode. This tells the operator he or she has locked the oscillator on the frequency desired.

Dial set: A mechanical adjustment of the kHz hairline setting to compensate for dial inaccuracy.-Ed

The front panel layout is generally good, except for the following: The kHz marker line (thin and white) can be very hard to read against the black dial face. Also, because of the size and placement of the kHz dial on the FRG, there can be some parallax problems in reading frequencies. The S-meter is partially obscured by cabinet overhang. Jim

Rear Panel Layout: The rear panel reflects thoughtful design as well. One immediately notices a neat AC cord holder for wrapping the cord around when not in use. A receptacle is also provided for connection to a 12 VDC (negative ground) source. In addition, a very neat battery pack is accessible from the rear panel by simply loosening four snap-lock fasteners. The battery pack then slides outward, providing access to four sets of battery holders for 8 "D" size cells. Antenna connections can be made to the built-in SO-259 connector or the clever press antenna connectors. By simply pushing these connectors inward, an opening occurs to accept a single wire. The connector springs back, clamping the wire tightly against itself, making a quick mechanical contact easily removed or changed.-Ed

Physical Layout: The light gray cabinet is accentuated by a deep gray front panel and a black dial window inset. A handle is built into the right side of the receiver, along with four feet on the left side to stand the receiver on end for mobile use. The entire receiver is inclined, providing easier reading of controls and settings. It weighs approximately 16 pounds and measures 13 $\frac{1}{2}$ " wide by 6 $\frac{1}{2}$ " high and 11 $\frac{1}{2}$ " deep.

All three tuning controls (MHz, kHz, and preselect) are revolving gear-driven drums. The MHz control has "step" markings from 1 to 10 and 11 to 30 MHz. The kHz control scale is calibrated from 0 to 1000 kHz (with a 50 kHz overlap on each tuning extremity).-Ed

Tone Controls, Attenuator, and ANL Functions: These functions make the Frog stand out as a real bargain and a genuine communications receiver. The tone control alters the audio response of the receiver, doing wonders on the noise-ridden tropical bands. The ANL will be welcomed by all townhouse and apartment dwellers who are plagued by stray RF noise pollution.-Jim

Instruction Book: Yaesu-Musen needs to hire some talented writers! The instruction book is skimpy and assumes previous experience with communications receivers of the Wadley-loop design. This is especially true in the instructions on operation and function of the LED MHz lock light. Understanding how this light works and what it means is critical to the proper operation of the receiver, yet information on the lock light is buried in one obscure sentence.-Jim

Conclusions: Larry Magne once described the Drake SW4-A as a Volkswagen receiver - honest, dependable, but without any frills. Perhaps the FRG-7 can be best described as a Super Beetle! The Frog is an honest, dependable, and sensitive communications receiver. Recent written evaluations of the SSR-1 and QR-666 indicate that those receivers suffer from cross modulations and 1 MHz heterodyne repeat problems. The FRG-7 does not demonstrate any of those unfortunate defects. The added features of the Frog give it the kind of operation expected of receivers costing much more than the modest sticker price of around \$300. My experience with the Frog suggests that it is an outstanding buy. Clearly, the Frog is no toad!-Jim

At present, the FRG-7 is priced at slightly under \$300 from our friends at Gilfer Associates, Inc. That places it in a price class with the XCR-30, SSR-1, and QR-666 general coverage communications receivers. I was very impressed with the specifications of this receiver and equally impressed with its performance. Yaesu has created a professional piece of electronic gear with the DXer in mind. The FRG-7 has the potential to become a standard in our hobby.-Ed

ANTENNA NOTE

Received from Albert Pike II, 5920 West Palmdale, Glendale
AZ 85301

An important specification has been omitted from the descriptions of Indoor Antenna constructed by myself using wire wound around a plastic tube. That is, the lead-in should be attached at a point determined exactly at 0.6180339887 times (the Fabonacci ratio) the length of the Antenna wire proper. (See July FRENEX page 12, and October page 13).

MILITARY SURPLUS PREFERRED BY MANY

By Edward SHAW

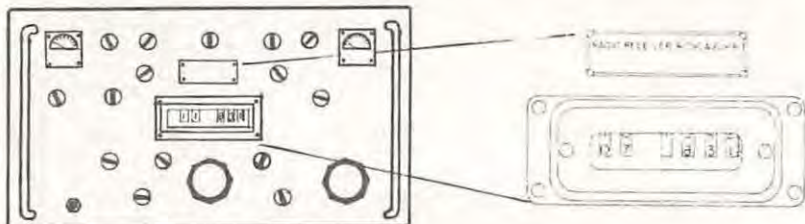
R-390A

#2 in a series of reports for new and existing DXing aids available from easily accessible sources.

Thumbing through past copies of FRENEX and other club bulletins, one could easily get the idea that the consistently rare and better catches are being reported by owners of the big name receivers. The overwhelming most popular two receivers owned by a majority of NASWA members seems to be the Drake SPR-4 and the Allied SX-190, followed by the Realistic DX-160. The SPR-4 will cost you near \$600.00 by the time you get it home.

For less than that amount, and a little bit of judicious shopping, one can purchase a very good used R-390A military surplus receiver. Some previous reports on the R-390A receiver have not been complete enough, and so this article will attempt to introduce it and explain its features in some more detail.

To begin with, the R-390A is a tube receiver, circuit designed by Collins Radio. Manufacturing was parcelled out to several companies such as Motorola, Stewart-Warner, Electronic Assistance Corporation, and others. It is similar to the R-390 receiver, but has a slightly different circuit. Some people prefer the R-390 to the 390A model. The R-390 has a cleaner audio system in my opinion, but the 390A has the superior Collins mechanical filters for the ultimate in selectivity. Both have some tubes which are not easy to come by, and which have no substitutes, namely 6AK6, 5814, 26Z5, and 3TF7. Some people often try to substitute 12AU7 tubes for the 5814 tubes with good success; it is a similar tube, but correct designations are best. Purchasers of this receiver would be well advised to have a few spare 6AK6 and a spare 3TF7 on hand. One can always convert the 26Z5 rectifiers to solid-state easily enough.



The R-390A is a heavy machine! Depending on cabinetry, etc., weight averages about 70 pounds or more. It takes two people to manhandle this receiver comfortably. The cabinet weighs about 15 pounds, too.

Controls consists of 16 knobs on the front panel, two meters, and one window dial showing frequency. To tune in a given frequency, one has only to twist a knob to crank in the desired MegaHertz range between 0 and 30. A second knob permits dialing in KiloHertz from 000 to 999+ with additional 1/16 inch markers between single KHz to represent 200 cycles each. The actual dial window is about 1/2 inch by 2 1/2 inches.

Two knobs are used to lock the odometer dial in a fixed position to prevent accidental twisting of the dial off frequency, and for minor adjustments to calibrate the dial numbers.

MILITARY SURPLUS - THE R-390A (Continued from preceding page)

For control of volume, there are two separate amplification systems: one for your headphones on the front of the receiver and one for a separate speaker or P.A. system connected to the rear panel of the receiver. Controls for both systems are on the front.

The main function control switch positions are: OFF, STANDBY, AGC, MGC, and CAL. Standby cuts off the B+ voltage to mute the receiver. AGC is automatic gain control and MGC is manual gain control. The CAL crystal calibrator works every 100 KHz.

IF bandpass filtering is superb! As any practiced SWL realizes, all stations are normally every 5 KHz along the band. Filtration on the R-390A permits bandpass gates of 16, 8, 4 and 2 KHz using mechanical filters. 1 KHz and 100 Hz positions are accomplished by crystal. The widths of the bandpass mentioned here are for 6 dB of signal. For a stronger signal of 60 dB, the widths will increase somewhat; especially for the 1 KHz and 100 Hz positions not controlled by the mechanical filters. The more narrow selection made, the less high frequency audio response is passed, giving the signal a bassy tone and at some reduced gain (volume).

Another knob is for narrowing audio response to approximate a tone of about 800 Hz, and is used strictly for amateur or military radio operators for copying CW code...best heard at about 800 Hz.

Still another knob is for limiting noise by chopping the peaks off the tops of sudden bursts of white noise such as lightning crackle and ignition noises. While using this feature, one again loses some signal strength.

AGC response allows one to choose how fast his receiver will respond to varying signal strengths. Generally, the receiver is able to maintain a reasonably steady signal although the antenna signal may be fluctuating up and down 50 dB and more. Sharp bursts may cause the receiver to mute instantaneously, albeit only briefly, to regain strength in 1 second, 100 milliseconds, or 1 millisecond, depending on response chosen.

Of course, no worthy receiver would be complete without the very utile antenna trimmer knob to provide optimum peak of signals.

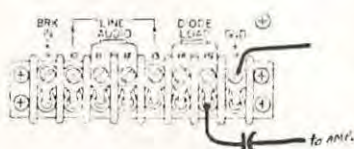
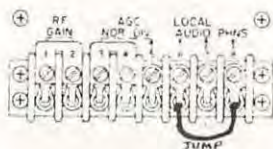
Two meters are for showing RF signal strength in dB and for speaker volume strength (VU). The first meter for RF is not marked off in the familiar S units as with other receivers, but is the same as all others should be....60 dB equals S-9.

On the rear panel are found two antenna inputs; one for a balanced dipole coaxial or twin-lead, and the other for a simple unbalanced lead-in from a long wire. Other jacks and controls on the rear will not normally concern the SWL/DXer as those have to do with alignment procedures and coordination with transmitting equipment. Two tricks, however, will improve both signal strength reception and increase audio gain...as follows:

More audio gain can be achieved by connecting terminals 6 and 8 together with a jumper wire; a speaker then being attached to either 6/8 and to terminal 7. The front panel headphone jack will also be affected with increased gain. Output of the headphone jack and the audio terminals is at 600 Ohms and a normal 8 Ohm speaker will sound terrible. Merely purchase a step-down audio transformer (600 to 8) at better electronic suppliers. Radio Shack cannot help you here. Better antenna strength can be achieved by looking into the receiver where the antenna inputs come in. Cables are tagged. Find the cables tagged P205 and P206, and reverse their positions. Next, stick a jumper wire into the two holes of the balanced antenna input. Then use the center contact only of the unbalanced antenna input from a longwire. You are getting the full strength of your antenna now.

MILITARY R-390A RECEIVER (Continued)

REAR PANEL



A vast improvement in audio cleanness can be achieved by use of an external audio amplifier, taking its input off the rear of the R-390A at terminals 15 and 16. First make certain the 14 and 15 terminals are jumped together. You will also need to put a blocking capacitor of about .05/600VDC size between terminal 15 and the external amp.

Another rather surprising situation was discovered in the three 455 KHz IFs. Someone found out that the military often stagger-tuned those three IFs at approximately 453, 455, and 457 KHz. If you can get to a reputable R-390A wizard, have him retune those IFs - all three of them - to 455 KHz. The gain increase is immediately apparent and clarity increases. Of course, yours may not be like that.

Ads selling these and similar receivers are in the regular electronic and hobby magazines; CQ, 73, QST, etc. Another couple of sources are Ted Dames, 308 Hickory Street, Arlington, NJ 07032; Bob Herbig, 4178 Chasin Street, Oceanside, CA 92054; A.L. BRAND, Box 311, Sycamore, IL 60178; Fair Radio Sales, Lima, OH. R-390A receivers are available, but they are not cheap. Expect to pay upwards of \$400 from a private sale and upwards from \$500 in a commercial sale. They are worth it if you get one in good shape and not mistreated.

Remember too, that when you buy a Cadillac, you must anticipate Cadillac repair prices. Knowledgeable repairmen are few, especially where the R-390A is concerned. Your best bet is to make a few calls around your neck of the woods to ask local hams who is the nearest "wizard". Don't rush for the first name mentioned. Keep asking. You'll soon find out who really is a wizard and can whip your R-390A into shape. Don't ever take a chance on someone who will "try."

When you succeed in finding a likely purchasable receiver, don't forget to take into consideration that it will cost a fortune in shipping charges, too. 80 pounds by Greyhound once cost me \$40 from San Diego to Columbus, OH. Judge accordingly.

Finally, readers will likely be interested in some of my practical DXing observations using this receiver. I have found the very narrow selectivity positions to be of great use to me, and I also make good use of the BFO which is very stable, and which incidently emits an audible heterodyne easily heard long before I can detect the station's carrier depression in AM mode. Using the BFO to tune just one side band of a desired signal not only permits narrow selectivity, but still permits higher frequency fidelity for cleaner listening.

There is no way to determine if this receiver is the best in the world. Certainly, there are proponents of other receivers which are quite good. But, the combination of features in one package does make the R-390A an enviable receiver.

ORF

A PLEASANT VISIT TO ORF VIENNA AUSTRIA

by Al Drehman, Perrine, Florida

In November 1975 I had the pleasure of visiting ORF, the Austrian Radio in Vienna. I was met by Mr. Herbert Kuhnle, Diplomatic Engineer. Herr Kuhnle is in charge of the frequency planning and liaison department; he manages the monitoring efforts of ORF for other broadcast stations and oversees the monitoring reports compiled on ORF by other stations and DXers.

We drove first to the temporary studios of the SW service situated near the heart of Vienna. The studios are housed in an older wooden building across the street from the modern facilities of ORF's mediumwave broadcast house. The SW studios are equipped with the most modern tape facilities and were at one time run by remote control 24 hours a day. However, there are now several technicians to oversee the operation. This permits changes in the programming if necessary. These studios will shortly move to the new ORF center, which was our next stop.

ORF Center is 4½ miles southwest of the center of Vienna on a hill overlooking the Schoenbrunn Castle and grounds. It houses the TV studios and many offices of ORF including that of Herr Kuhnle. The ORF Center was recently completed and contains several large TV stages and atop the 7 floors of the most modern facility is a roof bristling with microwave antennas. There is even a ham beam (station on 7th floor) and a long wire for SW monitoring.

In his office Herr Kuhnle discussed SW frequency allocations and the value placed on listeners' reports. He said that due to budget restrictions a QSL would not be sent unless specifically requested. We discussed the poor reception of ORF in the USA and while this is well known, the budget will not permit new and larger transmitters or antennas. They plan to continue to use 6155 and 9770 KHz as they do not wish to change frequencies because of the possibility of losing these well known frequency spots. He gave me a copy of a report in German which he submits to his superior each year showing the number of listeners' reports received from around the world during the 4 seasonal periods of the year. This is broken down to show reception conditions from all areas during these periods. It was gratifying to see many reports from the USA when it was feared the ORF would cancel their SW service (see February 1976 SWC p. 10).

Listener reports come to his office and are handled by his attractive assistant who can read English perfectly but is a bit shy when it comes to speaking. One wall of his office is covered with a map of the world with Vienna at the center with great circle bearings radiating from this central point with distances indicated in km. Colored pins indicate beam headings of all of their transmissions.

Some shortwave monitoring is done from the 7th floor using a Collins 51 S-1 and a RACAL RA 17L. After a view from the roof we next drove some 14 miles to the TV transmitter located on the highest hill in the area, Kahlenberg, 5 miles northwest of the city.

The SW monitoring station located there has two German receivers which I would give my eye teeth to own. They (the receivers) are RHODE & SCHWARTZ EKO 7 models. These are large, heavy tube sets, but reception was phenomenal. Listening to Asian stations on 31 meters at 1630 UT at levels approaching locals was really something. There they also maintain frequency measuring equipment plus facilities for band scanning and tape recording. Another piece of equipment, a bed, was explained by Herr Kuhnle as a necessity during snowstorms when it takes days to clear the roads.

Here, monitoring is handled by 4 people for an average of about 30 hours a week. While there I also inspected the TV transmitter and switchboard. It was some experience to punch in Spain and watch the coronation of the king in such beautiful color. Incidentally, the European color system is vastly superior to our system and they are quite pleased with their decision to wait for its refinement in lieu of adopting our system. Imagine, they can set their color controls and never touch them again no matter what channel they tune to for a year or more. The colors are more lifelike and vibrant than those found on US TV. This completed our tour of ORF and Herr Kuhnle then invited me to his home some distance away for some local wine and a bull session.

His home is a stone's throw from the "blue" Danube and he built the two story home completely by himself over a period of 8 years. Although not fully detail-finished here and there, it is most attractive and imaginative with a large panelled rumpus room in the basement. He has a Collins 51 S-1 and his sons all have portables for SW listening. Between glasses of wine in the rumpus room, I found that he had learned his surprisingly fluent English as a POW in Louisiana during WW II. He was 17 years old when captured . . . his story was fascinating.

He has a large collection of tapes from listeners and the many friends he has made over the years. He gave me a copy of an interview he conducted on frequency planning presented on DX Panorama during October 1975, which explains how listeners can help a SW

station.

Time did not allow for a visit to the SW transmitter site at Moosbrunn, 12 miles SSW of Vienna, but I did get a plan of the site showing the 2 OMNI vertical cage antennas used for the European services. The Log-periodic Rotatable antenna and the four rhombics of which three can be used in either direction. The headings of the rhombics are 56, 90, 123, 175, 236, 270 and 303 degrees, the latter being the one used for the North America service. The Log-periodic is also used to North America because there is no other antenna available, although it was primarily designed for shorter distances. There are four 100 kW transmitters in use and bandswitching and antenna change can be completed in 60 seconds or less.

I have visited stations in many countries in the past but have never before been so warmly received as by Herbert Kuhnle and his charming wife, Hermione. If anyone plans a trip to Europe, please try to include beautiful Austria and the wonderful city of Vienna, and by all means make an effort to find time to visit Radio Austria.

The following interview was recorded on 29 October 1975 in Vienna and the announcer was David Herziges (H) interviewing Herr Kuhnle (K).

H: ORF, the Austrian Radio, like other shortwave broadcasting stations, has a Frequency Planning and Liaison Department. For the past fifteen years Herbert Kuhnle has been closely concerned with this operation. We asked him to tell us something about his work, and its practical implications for listeners.

K: Our main task is to work out the transmission schedule for each of the four periods of the year. This means fixing the time of radiation to a given area (in cooperation with the Director of Programs); the choice of which antenna (in consultation with the transmitter station manager); and after studying ionospheric predictions and propagation forecasts, the selection of the best frequency band and individual frequency. And, remember, all this has to be done nearly nine months in advance.

A lot depends on experience, but we have other aids. We are in regular contact with about forty radio stations around the world, as well as with PTT officials in a number of countries. With them we cooperate in running a monitoring service, exchanging monitoring reports, band scannings, tapes, and field strength measurements. Then there is the help given by the tentative HF broadcasting Schedule of IFRB, the International Frequency Registration Board in Geneva. Last, but not least, there are reports, tapes, and letters from listeners that reach us every day of the year. Evaluation of all these sources keeps me and my small staff very, very busy - and we have no computer!

For each transmission block (lasting for one hour or more) we work out an average SINPO rating for each of the four seasonal periods. Last year, 1974, for instance, we had 25 different transmission blocks. Four of them reached the rating "good", seventeen the rating of "fair" and four "poor to unreadable". With some seasonal variations, that represents an 84% success, and so we are quite happy. But we want to do still better, and this is where the individual listener can help. So here are a few tips.

First, as regards the listening conditions for shortwave broadcasts from Austria to Europe. For 15 years we have been operating on some standard frequencies, and we shall not depart from them. To do so, even for only a short period, would mean losing them forever. Propagation conditions in Europe up to a distance of about 2000 km are fairly well known, as is also the behavior of our non-directional vertical cage antennas and the log-periodic horizontal polarized directional antenna. We know, too, that these broadcasts are sometimes badly affected by fading. So what we need from listeners in Europe are not frequent reports on the reception of one frequency, but comparisons between different frequencies that we are operating at the same time, particularly in the early morning and late evening. We also want to hear about the effect of interference by the new higher power stations operating on lower or higher channels. So much for Europe, where, at any one time, you may be able to hear us on as many as three different frequencies.

For overseas listeners, the position is rather different. Theoretically you may only be able to pick up our signal on a single frequency. However, we know that in some cases, not only the main beam can be heard from our different directional antennas, but also the side-lobes and back-radiation. This is of great interest to us, particularly in areas outside the original target.

And so to summarize, the golden rule for DXers who want to help us is: look closely at our latest frequency schedule, compare reception conditions on various frequencies (intended for your area, and possibly, four other areas too), and let us know about interference from high power stations on neighboring channels. And the sooner you can get your reports in to us - preferably within three weeks - the more use they are to us.

TELEVISION SWEEP OSCILLATOR HARMONIC FREQUENCIES

TV Harmonics

This chart is presented as a service to all DXers to aid in identifying unidentified carriers, and for determining frequencies by using these as check points.

This chart was prepared for NRC by Robert Foxworth. NASWA acknowledges NRC with gratitude for receiving this list and for NRC's permission to reprint. The list was brought to our attention by Ed Shaw, Lexington KY. NOTE: THESE FREQUENCIES ARE LISTED ONLY IN THE US AND CANADA WHERE 525 line NTSC Color TV IS USED. Frequencies in kHz.

1. 15.734	62. 975.524	123. 1935.314	184. 2895.105	246. 3870.629
2. 31.469	63. 991.259	124. 1951.049	186. 2926.573	247. 3886.363
3. 47.203	64. 1006.993	125. 1966.783	187. 2942.307	248. 3902.097
4. 62.937	65. 1022.727	126. 1982.517	188. 2958.042	249. 3917.832
5. 78.671	66. 1038.461	127. 1998.252	189. 2973.776	250. 3933.566
6. 94.406	67. 1054.196	128. 2013.986	190. 2989.510	251. 3949.300
7. 110.140	68. 1069.930	129. 2029.720	191. 3005.244	252. 3965.035
8. 125.874	69. 1085.664	130. 2045.454	192. 3020.979	253. 3980.769
9. 141.608	70. 1101.398	131. 2061.186	193. 3036.713	254. 3996.503
10. 157.343	71. 1117.133	132. 2076.923	194. 3052.447	255. 4012.237
11. 173.077	72. 1132.867	133. 2092.657	195. 3068.181	256. 4027.972
12. 188.811	73. 1148.601	134. 2108.391	196. 3083.916	257. 4043.706
13. 204.545	74. 1164.336	135. 2124.126	197. 3099.650	258. 4059.440
14. 220.280	75. 1180.070	136. 2139.860	198. 3115.384	259. 4075.174
15. 236.014	76. 1195.804	137. 2155.594	199. 3131.118	260. 4090.909
16. 251.748	77. 1211.538	138. 2171.328	200. 3146.853	261. 4106.643
17. 267.482	78. 1227.273	139. 2187.063	201. 3162.587	262. 4122.377
18. 283.217	79. 1243.007	140. 2202.797	202. 3178.321	263. 4138.111
19. 298.951	80. 1258.741	141. 2218.531	203. 3194.056	264. 4153.846
20. 314.685	81. 1274.475	142. 2234.265	204. 3209.790	265. 4169.580
21. 330.420	82. 1290.210	143. 2250.000	205. 3225.524	266. 4185.314
22. 346.154	83. 1305.944	144. 2265.734	206. 3241.258	267. 4201.048
23. 361.888	84. 1321.678	145. 2281.468	207. 3256.993	268. 4216.783
24. 377.622	85. 1337.412	146. 2297.202	208. 3272.726	269. 4232.517
25. 393.357	86. 1353.147	147. 2312.937	209. 3288.461	270. 4248.251
26. 409.091	87. 1368.881	148. 2328.671	210. 3304.195	271. 4263.986
27. 424.825	88. 1384.615	149. 2344.405	211. 3319.930	272. 4279.720
28. 440.559	89. 1400.349	150. 2360.140	212. 3335.664	273. 4295.454
29. 456.294	90. 1416.084	151. 2375.874	213. 3351.398	274. 4311.188
30. 472.028	91. 1431.818	152. 2391.608	214. 3367.132	275. 4326.923
31. 487.762	92. 1447.552	153. 2407.342	215. 3382.867	
32. 503.496	93. 1463.287	154. 2423.077	216. 3398.601	Left out
33. 519.231	94. 1479.021	155. 2438.811	217. 3414.335	185. 2910.839
34. 534.965	95. 1494.755	156. 2454.545	218. 3430.070	
35. 550.699	96. 1510.489	157. 2470.279	219. 3445.804	
36. 566.433	97. 1526.224	158. 2486.014	220. 3461.538	
37. 582.168	98. 1541.958	159. 2501.748	221. 3477.272	
38. 597.902	99. 1557.692	160. 2517.482	222. 3493.007	
39. 613.636	100. 1573.426	161. 2533.217	223. 3508.741	
40. 629.370	101. 1589.161	162. 2548.951	224. 3524.475	
41. 645.105	102. 1604.895	163. 2564.685	225. 3540.209	
42. 660.839	103. 1620.629	164. 2580.419	226. 3555.944	
43. 676.573	104. 1636.363	165. 2596.154	227. 3571.678	
44. 692.308	105. 1652.098	166. 2611.888	228. 3587.412	
45. 708.042	106. 1667.832	167. 2627.622	229. 3603.146	
46. 723.776	107. 1683.566	168. 2643.356	230. 3618.881	
47. 739.510	108. 1699.301	169. 2659.091	231. 3634.615	
48. 755.245	109. 1715.035	170. 2674.825	232. 3650.349	
49. 770.979	110. 1730.769	171. 2690.559	233. 3666.084	
50. 786.713	111. 1746.503	172. 2706.293	234. 3681.818	
51. 802.447	112. 1762.238	173. 2722.028	235. 3697.552	
52. 818.182	113. 1777.972	174. 2737.762	236. 3713.286	
53. 833.916	114. 1793.706	175. 2753.496	237. 3729.021	
54. 849.650	115. 1809.440	176. 2769.230	238. 3744.755	
55. 865.385	116. 1825.175	177. 2784.965	239. 3760.489	
56. 881.119	117. 1840.909	178. 2800.699	240. 3776.223	
57. 896.853	118. 1856.643	179. 2816.433	241. 3791.958	
58. 912.587	119. 1872.377	180. 2832.168	242. 3807.692	
59. 928.322	120. 1888.111	181. 2847.902	243. 3823.426	
60. 944.056	121. 1903.846	182. 2863.636	244. 3839.160	
61. 959.790	122. 1919.580	183. 2879.370	245. 3854.895	

NASWA SPECIAL PUBS.

Don't forget that SP 1, Keep it Quiet by Morgan Monroe and SP 2, Precision Frequency Measurement are still available for \$1.00 each from Jerry A. Lineback, Box 325, St. Joseph, IL 61873

Day Solar Flux A-index

Sept	25 73 9
15 73 12	26 72 8
16 75 8	27 73 12
17 76 10	28 73 5
18 74 25	29 ND
19 73 16	30 ND
20 72 40	Oct
21 70 17	1 ND
22 70 16	2 74 21
23 71 13	3 74 7
24 72 6	4 73 4

The Posts

THOSE MISSING QSLs by Al Sizer

Information for this article came from a survey of 11 foreign correspondents of the LA Times.

Many of us DXers gripe and moan about reception reports that are never answered and QSLs that are never received. Most often we blame it on the station involved - - they just didn't care enough to answer. More likely, if it was the station's fault, it was because they simply did not have the staff or funds to handle QSLs.

However, before you go blaming the station too heavily, consider another reason for the missing QSL - - the country's mail service.

Now it is well known that we have plenty of defects in our own mail service right here in the US and Americans are certainly vocal enough in listing these defects and complaining about them. But in the hullabaloo, let's not forget that compared with some other mail services in the world, ours ranks well. If you think the U.S. Postal Service is something less than perfect, it may comfort you to learn that the mail in most other countries is even slower and less reliable.

Russians would have you think, at least the officials, that everything runs like clockwork under the Communistic system, but in Moscow recently a citizen was heard to complain that mail delivery was faster in the time of the Czars.

If you had no answer to an Indian reception report, reflect that in New Delhi they are concerned not so much with late delivery as with nondelivery. Theft is common.

In Nairobi there is no home delivery and the main post office is located in a high-crime district. In Cairo it often takes several days for an "express" letter to go across town. Letters are routinely opened by censors in many countries and the wholesale destruction of mail by disgruntled postmen is fairly common too. (Was your reception report or QSL in the mailbag?)

It is common in many countries to pay a relatively steep surcharge to make sure that a letter gets to its destination. The additional service may be called registration or special handling or rapid delivery, but what it really is is insurance.

No special service can prevent the sort of disaster that occurs from time to time in almost every country. There is the documented case of the Russian postman who, unbalanced by drink, dumped thousands of letters on a garbage heap. And in South Africa, it was reported "occasionally a maverick mailman will go walk-about and scatter his deliveries to the winds". Letters are commonly opened by the authorities in Cairo and robbing the mails is not unusual in Kenya and Uganda. More than 30 employees of the East African Extelecommunications Co. were charged with theft recently. In such places sensitive mail goes either by courier or, if necessary, in the hands of some traveler at the airport who happens to have an honest face.

The best mail services appear to be in Britain, France, West Germany and Japan. Yet the quality of service is falling off, even in Great Britain. And in the Soviet Union, where people are not famous for speaking out publicly against the government or the way it does business, Pravda, the voice of the Soviet Communist Party, complained openly last year that the mail service was not everything it could be.

Perhaps the most improved mail service in the world is in Brazil, which only a few years ago was considered to be disastrous. In those days no bill or check or dinner invitation was entrusted to the mails. All were delivered by messenger - - usually an off-duty fireman. Postal systems in other countries do not appear to have worked out any particularly advanced means of handling the mails. Mechanical sorting has been adopted in most industrial countries, but even elementary steps, like use of a zip code are just taking hold elsewhere.

The mail goes by reindeer in Siberia. In other parts of the world they use bicycles and motorbikes. And until recently letters in parts of Africa were still carried in cleft sticks held aloft by runners. These African "postmen" were instructed to run as though they were carrying a hot coal in their hands and sometimes cried aloud as they ran: "A letter! A Letter! It is burning me! Make way for a reception report from Gerry Dexter!"

***** Propagation Conditions by Jerry A. Lineback

There was no clear solar flux peak about 27 September, the next expected is 25 Oct. and then on 21 November. Geomagnetic activity reached an A-index of 40 on 20 Sept., the highest since May. Peaks also noted 1 Oct. and 17 Oct. and expected about 30 Oct. and 11 Nov. and 26 Nov. 73s to all till December.

QSO/NASWA

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LETTERS TO HEADQUARTERS

CONSUMER REVIEWS ON FRG-7 RECEIVER Anyone thinking about a new receiver will certainly be interested in the Yaesu-Musen FRG-7 taking the recent market by storm. Two experienced DXers have prepared consumer's evaluations on the receiver. Veteran DXer, Al Sizer, also a former FRENDEX editor has written his opinion on a single sheet; and Ed J. Pyatt, long-time DXer too, offers his views in three sheets. Both are available from your QSO editor for two stamps on an envelope big enough to accept 4 sheets of typing paper - plus 25c for xeroxing. I consider these reviews well worth investigation.

CANADIAN OUTLET FOR FRG-7. Several Canadian members asked where they could find out more about receivers in Canada. Buying receivers from U.S. agencies is a no-no, involving expensive duties, etc. In Canada, members may contact Mr. Jack Reed, VE Sales, 3768 Bathurst Street, Downsview, Ontario. (416) 636-3636 is the phone number. We regret that the Canadian price is SUBSTANTIALLY greater.

NASWA DECAL is really attractive and can be stuck on anywhere.. side of a receiver, luggage, bumper, etc. Color is red, white, and blue. \$1 plus 25c postage from NASWA HDQ.

EARLY SHORT WAVE RECORDINGS. Member Jim Ronda has taken on an interest in early short wave broadcasting facts. A September 1934 issue of Radio News contains a story about one Horace Hall who made phonograph recordings directly off the air for later transcription over his domestic WBNX radio show.

GREAT LAKES DX ASSN gets new SW loggings editor as Jim Ronda relieves John Moritz. NASWA members are fortunate to have Moritz as our new DX Hotline editor.

WWV DROPS PROPAGATION INFO. Effective this month WWV was supposed to have dropped the propagation information at the 14th and 18th minutes past each hour. NASWA member George Poppin thought the information was so useful that he has written letters to Australian and South African sources to ask the feasibility of including such information in their programming.

NOT-ENOUGH-POWER AMPLIFIER, FOLLOW-UP. A couple of issues back we mentioned an Instant where an R-392 power supply purchased from Fair Radio Sales in Lima, OH had failed because its design did not really provide enough power needed by the R-392. We are happy to report that Fair Radio Sales acknowledged the error and replaced the burned out unit, even though more than a YEAR had passed. Way to go, Fair!

DIRTY TRICKS DEPT. Father Bill Bogel, out at St. Mary's in California finds monitoring CB a bore -- really inane! He overheard two of his novices talking to a couple of young lovlies in town and taped the conversations. Wish we could have seen their faces when confronted with the evidence! Hi!

SEARS PLUGS NASWA. Thanks to Wesley Thompson who works for Sears in the Philadelphia area, their in-house newsletter "Group Talk" contained an 8 column-inch article about NASWA and short wave listening. This is a perfect example of how NASWA members can help boost their hobby. Perhaps others have work organization newsletter with space for your stories.

RECEIVER SPECIFICATIONS. Ed Ricchezza of Philadelphia writes to express his appreciation for QSO/NASWA and suggests that FRENDX readers might like to know more about receiver specifications, but in layman's language. Taking Ricchezza's advice, we offer an explanation of receiver selectivity specifications to shop for. When a likely receiver is being considered for purchase, look for the specification which says, Selectivity. It will look something like this: 6 KHz for 60dB, or 20 KHz at -50dB. The KHz measurements tell how wide the IF bandpass may be for the loudness of signal mentioned (60dB or 50dB). 50 or 60 dB of signal is a fairly strong signal, and for that strength you will desire the narrowest bandpass available. Therefore, the 6 KHz width would be better than the 20 KHz width. Remember, however, that this holds true only for a loud 50 or 60 dB signal. When a figure of 6 dB or 10 dB is given, the bandpass width should be much more narrow, the narrower the better. An ideal specification for a medium-priced receiver should be about 3 KHz at 6dB, and no wider than 7 KHz at 60dB. Some other listeners may have more stringent tastes, but this should prove adequate for most situations.

WELCOME TO NASWA NEW MEMBERS!! I can't promise that this will be a regular feature, but just to let you update your NASWA directory, the following is a list of newcomers since 1 July 1976...3 months worth.

Richard ALTMAN, Knox, PA	James MILLARD, Jr., Fairhope, AL
Clinton ARCHER, Orleans, IN	Robert MILLER, Center Valley, PA
John BARBER, San Leandro, CA	H. MIRANDA, Lima, PERU, S.A.
Tom BRUNELLE, Manchester, NH	Charles MITCHELL, Carmel, IN
James BRYAN, Tracy, CA	Brian MOONEY, Toronto, ONT
L.G. COGHLIN, Winnipeg, MNTA	Gordon NELSON, Watertown, MA
Lawrence CORTEK, Homestead, FL	Serge C.P. NEUMANN, Alpena, MI
Wayne CZERNICKI, Winnipeg, MNTA	B.R. NEWMAN, Merrillville, IN
Samuel DALLO, Cincinnati, OH	Eugene NYE, Seattle, WA
Lucien DESJARDINS, Longueuil, QUE	Isaac N. OX, Saint John, N.B.
Richard DICKSON, Dilworth, MN	Ernest POPP, East Greenbush, NY
Bobby DUNNIGAN, Boone, NC	Mark PRATHER, Urbana, IL
Tim EDGERLY, Anthony, NM	Craig RATHBONE, Denver, CO
Gary ELSTON, Santa Clara, CA	Charles P. REID, Santa Barbara, CA
Donald FOX, Norwood, MA 02062	Don RICE, Fairbanks, AK
Peter GIACOPELLI, Malverne, NY	Chris RUBAK, Palatine, IL
Steven GREENYER, Invercargill, NZ	Frank SCULINKE, Milwaukee, WI
Thomas HALL, San Francisco, CA	Phil SCHNABEL, Warman, SASK.
Fred HEUTE, Washington, DC	William SCHUMANN, Apopka, FL
A.H. HOLT, Bethlehem, PA	Ali SCHWAYRI, New York, NY
Joachim HOLTZ, Lloydminster, ALTA	W. Mark SELTZER, Waterloo, ONT
Martin IMBERT, Albuquerque, NM	John SILLINGS, Cornwall, NY
Arthur INGRAM, Hoquiam, WA	James SMITH, Katonah, NY
Douglas JONES, Delta, UT	Lexington SMITH, New York, NY
Jack JONES, Jackson, MS	R. R. STAMM, Aurora, IL
Ed KAVALESKY, Youngstown, OH	Loren STIEGELMAR, Jr., Irving, TX
Terry J. KELLY, Santa Rosa, CA	Roger THAYER, Chevy Chase, MD
J. KILBORN, Coronado, CA	Howard THOMAS, Fremont, IN
Paul KINNALLY, Jr., Dedham, MA	Philip TOMASELLO, Pittsburgh, PA
Larry KLASSMAN, Wilmette, IL	Edward UNDERWOOD, Rochester, MI
Phil KOERNER, Rangely, CO	Robert VIAU, Laval, QUE
Joseph La DUCA, Rochester, NY	Max VORAN, Newton, KS
Joel LESSING, Oak Park, IL	John WALDHERR, Gas City, IN
Michael LIGHT, New York, NY	Margaret WATTMAN, Chadds Ford, PA
Bill LINDGREN, Fort Collins, CO	Powell WAY, III, Newberry, SC
David LUBITSCHE, Des Plaines, IL	Donald Wickland, Milwaukee, WI
Daniel LUCE, Austin, TX	Niel WOLFISH, Toronto, ONT
Donald W. MACLEAN, Waterbury, CT	R. B. YOUNG, Dorchester, MA
Kent MAGILL, Modesto, CA	Stephen ZILLER, Jr., Cincinnati, OH
Kevin McMANUS, Fort St. John, B.C.	Donald ZILVERSMIT, Ithaca, NY
	Michael ZYDIK, Yonkers, NY

I realize that there are some I might have missed and I sincerely regret it. To all of you, a BIG WELCOME, and hope we hear from you!

And, this doesn't even include the renewals, to which we say also... "Nice to have you stay on!!"

JOHN C. BARBER of San Leandro, CA writes to say he is age 68, and retiring from U.S. Customs. He joined NASWA via a pamphlet received from HCJB. He uses a Realistic Patrolman 9 portable and has QSL'd eleven countries, awaiting for fifteen more. He is participating in the radio club activities of HCJB, Quito, and Radio Prague to win their award certificates. (NASWA has a fine awards program, too!)

SERGIO RAYAS-SOLIS of Hermosillo, Sonora writes to say that he is a 24 year old DX with 221 stations logged, 50 QSL'd, 63 different countries. A former announcer for the University radio station on 6115 KHz. He uses a Philips radio, hecho en Mexico, and a "T" antenna ten meters long. Sergio asks about a voice time station in Spanish found on 8050 KHz. This is merely the Uruguayan National Telecommunications Administration point-to-point station in Montevideo. No regular transmissions are intended. Not SWCB.

BILL COLEMAN, Jr. heard NASWA's handbook "DXING ACCORDING TO NASWA" plugged over radio station KDKA, Pittsburgh. Bill uses a DX-160, BC-1004, and SX-190 at his Rocky Mount, NC home. Thanks Bill, for that piece of information. Interesting that KDKA would do this for us, wonder who was responsible?

J. KILBORN of Coronado, CA suggests that reporters to Radio Peking be careful to use the correct, accepted address. "PEOPLE'S REPUBLIC OF CHINA," on their envelopes. His report letter was returned with a stamp indicating delivery was not made due to incorrect name.

DAVE TWIGGS, Burlington, CT wrote to tell about the successful meeting of Connecticut DXers at Sam Barto's house in mid-September. The CONN-MEN call themselves Connecticut SW Assn, and issue single sheet newsletters. New England area SWLs are invited to write Bruce Schoenfeld, 75 Brookdale Dr., Stamford, CT 06903. Send SASE.

HERNAN MIRANDA, Lima, Peru wants to know if any NASWA member can provide him with schematic and/or specifications and alignment data for the special SX-65 or SX-62. Please advise QSO editor. Thanks.

UNITED WORLD RADIO DX CLUB of Elizabethton, TN. Who are they? And, where did they come from? Do we have any NASWA members in Tennessee who can help us out here with more information about this group?

BRIEF DESCRIPTIONS OF RECEIVERS. NASWA now has access to brief descriptions and illustrations of every short wave receiver (not including portables) made since World-War II. Want to know something about a particular make? Send your questions to QSO/NASWA and a stamped envelope or postcard. I'll return whatever information I have here, or put you onto another source. This has little relation to our desire to accumulate owner's/technical manuals.

WANTED: SX-117 INFORMATION. Your QSO editor would like to hear from somebody about this receiver. A Hallicrafters '60s model.

TRIGGER ELECTRONICS. The October 1, 1976 Ham Radio Magazine Report carries an article to suggest that hobbyists having complaints about Trigger Electronics (a mail-order business of amateur gear), should lodge their complaints with the Illinois Attorney General, Consumer Fraud Division, 134 N. LaSalle, Chicago, IL 60602.

WHY DO I SOMETIMES HEAR ECHOS? If you ever listen to VOA, BBC, or other powerful broadcaster, and happen to hear what appears to be an echo, chances are that one of two things are happening: 1) The broadcaster is simulcasting the programs from two transmitters at once and you are hearing one slightly delayed by only milliseconds, or 2) You are hearing only one transmitter, but from two directions. That is, you are hearing the transmitter from the closest direction, and also from long-path around the globe back to your location. The latter takes slightly longer. Traveling at near the speed of light, radio waves can travel around the entire globe in less than 1/3 second, that is less than 330 milliseconds.

Listener's

• Editor: Glenn Hauser, WUOT, U-Tenn.,
232 C&E Bldg., Knoxville, TN 37916



Gnome Art by
Diane S. Levesque

Notebook

REPLIES

to the September questionnaire cannot be tabulated in full due to lack of space. 49 replies were received, which means those people have disproportionate input compared to those who did not participate. 5-step questions were averaged; receiving highest positive rating was Quick-Reference Lists of English broadcasts (1.91), then Broadcasts in English section-- (2.00), background on DX stations (2.10), total pages for LN (2.24), material originated by gh (2.36) English program news (2.38). Most negative was one-freq LR-type loggings (4.34), DX programs-- other languages (3.72), BBCMS MW info as filler (3.68), UKOGBANI (3.60). All others fell in the mid range of (2.50-3.50). The grand mean was 2.82. On the Yes/No questions: only 23% wanted larger type; 60.4% did not subscribe to DXH, and of these, 50% said they would if midmonth LN were added. 63.6% would pay more for a 3-oz FRENEX; 61.9% prefer day/month dates (!), and 95.7% were satisfied with LN. How many pages for LN? The average was 10.71; this happens to be about what I need not to fall behind, but only 8 pages are assured, and others must be scrounged. Some comments will appear in "In My Opinion". Some suggested eliminating subsections of country-keyed items for one master listing. How about this? I hope this IBM Executive improves legibility, though it eats up more space than previous typewriter (gh)

PROFER CREDIT

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GRABBA!

ANTIGUA Letter from DW says their Antigua relay will begin during Nov. They say they have not been carrying on any tests. (also via Heckenlively, SD; Allen, OK)

SAM Germ 0600-0950 6100 Nam Germ 1330-1350 9605 SAM Spanish 2300-0030 9590
SAM Germ 1200-1220 15185 SAM Span 0230-0350 11765 SAM Portug 0030-0105 9590
NAM Germ 0400-0520 9545 SAM Span 1000-1130 9735 SAM Portug 1000-1035 6145
(Eric Falkenhan, MD) Here we go again with some contradictions gleaned presumably from the IFRB's THFBS: the 6100 xmsn is to FE/Oc; 15185 is //11810; 9545, 11765, 9735 are to CA; 9590 opens at 2100; 6145 runs to 1050 and is // 9640; 9605 opens at 1230 and is //11810. Also listed are 6085 0200-0550 to NAM //Sackville!; 9680 2200-0200 SAM, 9690 0600-1000 SAM. See also Montserrat; LN-8. (via Roger Legge, VA)

ASCENSION My BBC source says the BBC Portuguese xmsn 2200-0015 on 5995 is from here, on a 294° beam, as is 6110, but on a 245° beam (Mike Barraclough, England) Well, maybe so... (gh)

BOLIVIA Amendments to list in July LN; extracts may be republished provided they are dated 27/9:

- | | |
|--|---|
| 3340 R Viloco, *1000 0330* | 4965 R Animas, 1030-1900, 2100-0400 |
| 3380 R Cumbre, 2200-0400 | 4979 R Juan Veintitrés (nom 4965) 1000-1630, 1830-2100, 2230-0130 (sometimes on 4972 1000 and 1830) |
| 3440 R 27 de Diciembre, 2100-0200 (often 0300) | 5582 R San José (nom 5585) 1130-0300 |
| 3490v (+ 5) R Padilla, 2215-0245 | 5965 R Nacional de Huanuni (Huanuni, <u>Oruro</u>) *0930 0400* |
| 4138v R Em Comarapa (nom 3958) ex-R Municipal, 2300-0300; occasionally announces additional transmission at 1400 | 5973 R Nacional de Cochabamba *1000; 0300 or 0400* variable |
| 4425 R Paitití, evenings now 2100 (or earlier) -0300v | 6035 R Panamericana *1100 (still *1000 on MW) |
| 4467 R Movima, 1330-? 2200-0300v | 6082 R 21 de Diciembre, eves 2100-0400 |
| 4701 R Riberalta, 1100-0330 | 6140 R Santa Cruz, 1000v-1900, 2300v-0400 |
| 4754 R Em Bolivia, 0900-0400 (occas. 0500) | 6150 R Indoamérica, active here, per R Loyola |
| 4775 R Los Andes, 1030-0400 | 6291 R Tupiza, noted only twice in 6 months: 4/7 and 26/9 |
| 4783 R Ballivián, ?-0200 | 9607 R Piraf, 1000-0430 |
| 4797 R Nueva América, 1030-? 2100-0400 | (Tony Jones, near Asunción, Paraguay) |
| 4809 R LV de la Frontera (nom 4808) 1000-0400 | Tony promises a new complete-as-possible list in another issue or two (gh) |
| 4815 R Nacional, La Paz 0300* | |
| 4875 R La Cruz del Sur 1000-1800, 2230-0230 | |
| 4887 R Sararenda, 1100-0400 | |

BRAZIL R. Sompur, Manaus, 4935 new station at 0200 (Ray Crawford, NZ, NZ DX Times 8/76) It's a strange name, wonder if certain? (gh) R Brasil Central, badly tuned up, radiating strong spurs, in 5002 and 4968, a weaker one on 4958; fund. 4985 (Giacomo Perolo, São Paulo, NU 18/9) 15265.6, MEC programming only heard 20/10 2255 closing 'A Voz do Brasil', dead air to 2259, MEC-Brasília D, IS, 'Atenção, senhores operadores...', pips cue to 2301. Off-air quality; R. Excelsior relaying a feeder? Frequency measurement reference VOA 15250, KGEI 15280 (gh)

CAMBODIA Per *1100 anmt, sked for Democratic Cambodian Radio (Vithayu Phsay Somleng Kampuchea Prachiatipday) is 2300-2400, 0400-0500, 1100-1500, on 4908; BBCMS reported freqs of 4000 & 3095 never heard in Japan, due to heavy QRM (Isao Ugusa, Far Eastern DX Review, 27/9)

CANADA RCI made sweeping changes 7/11, with all hour xmsns cut to half hour and resked; here is complete new non-English sked: (time-lang-kHz-kW-beam) '0030-0057 Span 9570 250 232

1415-1430 Fren 17820 50 97 1820-1859 Fren 17820 50 97 9535 50 171
15325 50 97 15325 50 97 0100-0130 Fren 9655 50 171

1430-1500 Russ 17820 250 60 1900-1930 Fren 11865 250 68 5960 250 232
15325 250 68 9635 250 68 0130-0159 Span 9655 50 277

1500-1530 Ukr 17820 250 60 1930-1959 Fren 17820 50 97 9535 250 232
15325 250 68 15325 50 97 6000 50 277

1530-1600 Fren 17820 250 60 2030-2100 Fren 17820 250 240 5960 250 232
15325 250 68 15325 250 232 0200-0230 Fren 9655 50 277

1600-1630 Russ 17820 250 50 15290 50 277 5960 250 232
15325 250 68 2300-2330 Port 15190 50 171 0230-0300 Span 9655 50 277

1700-1730 Pol 15325 250 68 11940 50 171 9605 250 232
11865 250 68 2330-2357 Span 15190 50 171 6000 50 277

1730-1759 Germ 15325 250 68 11940 50 171 5960 250 232
11865 250 68 0000-0030 Port 11940 50 171 0330-0400 Fren 9655 50 277

1800-1830 Fren 11865 250 68 9535 50 171 5960 250 232
9620 250 68 0030-0057 Span 11940 50 171 (via Ian McFarland, RCI)

CANARY ISLANDS RTVE on 9560 is via Tenerife, sked 1730-1830 Sp to Medit; 1930-2030 exc Sun Arabic; 2030-2130 Sp to ME; as is 11880 at 1730-1930 Suns only Sp to NSAM/SCAM, 2045-2300 Sp to same area; at other times and freqs, one of the Spain sites (RTVE 13/9 via James P. Beirs, IL)

CENTRAL AFRICAN REP. Rdf. Nat. Centrafricaine has been heard on 5038 at 2105-2130 in Sango (Eric Falkenhan, MD) Can you be sure? Best signal on band around 2230, 5039.87 25/9 (gh)

CHINA The 4001 kHz stn noted since June is Bayannur PBS, presumed at Linhe (40N/107E) in Inner Mongolia. Other local stns there are Xilingol Meng relay stn, Xilinhaote, Mongolian pgm on 7200, Chinese on 4952; and Yih Ju Meng relay stn, Dongsheng, Mongolian on 6045, Chinese on 4525. In Yunnan, the YPBS has new sked; first pgm on 4759 2460; 2nd 4785 6936; minorities 5959 2310 (FEDX)

COLOMBIA A change is HJPI R. Tamboral on 4835; and HJVP LV de Yopal on 5050 (Swedish "Distance" via NZDXT 8/76) Why aren't we hearing these? then (gh)

ECUADOR HCJB has a new 49mb antenna at Pifo, for regional coverage of Colombia, Peru, Ecuador (Falkenhan, MD) It is cause for praise (HCJB Oct-Dec 1976 Radio Log) Is 6050 better now? (gh)

FRANCE The TWR (Monaco) tech staff has displayed a piece of electronic genius they designed, called a 'voice = shaper,' which is capable of compensating for voice deficiencies in an effort to make program speakers more readily understood (TWR Newsletter via Ed Insinger, NJ) Others need it too (gh)

GREECE VOG have added one xmtr at 0900-1250, two at 1300-1700 (BBCMS) We have the new sked with complete freq info, but it would be out of date by the time you see this (gh)

GUATEMALA I assume the LR-A editor still refuses to print items such as this: on 2040.5, new SW-BC stn noted 22/9 to 0403* is R. Miramundo, La Voz del Ejército de Guatemala, Zacapa; had been listed on 1010 but obviously now on 1020 to produce this harmonic; listed on 6010, announcing 6160 or 6170 but I've never seen reported on any 49m channel, but 149m, yes! Note name change too (gh)

HAITI Ditto this one: on 2950.5 La Voix du Peuple, 12/10 1027 French/Creole anmt, 1031 ID, into pgm of Mexican music, of all things; is 2 x 1475. You may hear a tape of the Guat in Nov DXJB (gh)

IRAQ HS sked as of 8/76: AG=Abu Ghurayb; SP=Salmon Pak; B=Baghdad; Arabic u. o. s.

1770 0228-0605 9635 1400-1500 S/T/Th 7180 0228-0705 6155 1730-2320 6030 1230-2200 Kurd
AG 1000-2320 SP 1400-1530 MWFSa AG 0900-1400 6095 0228-1630 3952 1300-1400

11785 0600-0900 7230 0228-0800 V Mass 6155 0228-0800 SP 1900-2320 SP 1600-2320 Masses
SP 1000-2320 AG 1000-2320 V Mass SP 1430-1630 6030 0228-0855 Kurd 3243 // 6030 SP

9635 0228-0800 7195 or 7180 1400-1900 & 2000-2320 AG 0900-1230 Turc 3195 B 14-16 Syr
(BBCMS) Does not reflect entire usage of a freq; same may be used for external service; 'current'

sked, source not stated, but probably direct from RB, gives some nominally different freqs incl. add 15400 for HS all day; 3952 as 3960; 3195 as 3225; 17770 as 17775; 3243 as 3240. External sked: On 9745 Eng 1930 Ger 2030, Fre 2130-2230; Farsi 0800-1100 3225 3960 6095; Urdu 1400-1500 15400; Far si same again 1600-1900; Hebrew 1630-1730 6155; Russ 1900-2000 7180; Turk 1900-2100 3225 6030.

(via Andy Robins, MI)

KENYA Kisumu sked Mon-Sat: 4855 at 0300-0630, 1300-1900(or 2000); 7295 at 0900-1130. Among the languages are Teso, Luyia, Kisii, Luo, Kuria, Kalenjin, Swahili (Johan Olema Akio, DSWCI)

KOREA NORTH Local SW stns Wonsan 3033, Kanggye 4030 were disused. Lately, Kanggye local service is on 4273. Other stns unchanged: Hyesan 2299, Chongjin 2695, Sariwon 2670, Sinuiju 2745, Pyongsong 2765, Hamhung 2775. Local pgm at night is at 1100-1110 (FE DX Review 27/9; Nagase)

KOREA SOUTH KBS Seoul tests on apx 7550 Eng, Korean, Arabic 1555, 1625, 1640 (Sune Nyberg, Sala, Sweden, Sweden Calling DXers 21/9) Unusual for KBS to be out of band (gh)

LAOS National R. hrd during past month on 4650 6200 8395 around 1040-1425*; apparently former Voice of Peaceful Laos in Seno heard on 7384 around 1100 (Ugusa, FE DX Review 27/9) More, LN-8

LESOTHO SW xmsns from RL were discontinued already on 20/8; SW xmttr too faulty (Ginbey, SCDX)

LIBYA Voice of Arab Homeland pgm *1900 on new 17805 (David Kernick, UK) On 17800, runs to 0100; still experimental (BBCMS 16/9) First time Libya on 16 metres (gh)

MALAGASY Net-I on new 2495 ex-3288 at 0345-2000* (Colin Miller, RSA, via DSWCI and NZDXRL) Don't confuse with Swaziland on 2490, qv (gh)

MALTA You can tell when 6100 is Malta and when it is DW Germany by comparing fading rate there to another 49m DW in Germany like 6010 or 6075 at 0130; there is also a power difference and a phase difference which you can detect with two receivers. Can be applied in other cases (Falkenhan, MD)

MONACO(?) The 'Huna Monte Carlo' is on MW only per WRTH there is a way to hear it on SW. Try for the SW feeder presumably Monaco to Cyprus (more likely France to Cyprus -gh) 1500-1530 on 15576 or 15578; and 1630 on 17547, both USB, with top 40 chants, phone requests from breathy YLs, ads, spoken and sung IDs, ads, nx, all in Arabic--completely unlike anything else I've heard on SW, and reception is fairly good here (Larry Magne, PA)

MONGOLIA Ulan Bator HS sked observed: First pgm, 0100-1100 on 11856 7261; 2200-1500 on 5055, and except 0100-1100 and 1420-1500, also on 4763 4080. Second pgm 0855-1100 on 6383 5960. (BBC MS 23/9) ES sked: 1100-1130 Std Chinese 7261 7236; 1300-1330 Std Ch 7261 7236; 1330-1400 Mongolian same freqs except Russian Mondays; 1335-1400 Fri Russian 5055 4763 4080; 1400-1425 Std Ch 7261 7236; 1430-1455 Mong same; 1945-2015 Mon/Tue/Wed/Fri French 17860 17788; 2100-2125 Std Chinese 7261 7236 (BBCMS 9/76) See English section for those xmsns (gh)

MONTERRAT BBC sked on 6040 0200-0415 180° Spanish (Mike Barraclough, UK) DW projected operation (50 and 15 kW) is 5995 1000-1050 LAm; 6145 0600-1000 SAm; 9590 1000-1130 LAm (15), 11970 1200-1220 LAm (15), 1230-1350 Nam (15). Also 6065, 9590, 9690 //Antigua! (Legge, VA)

NETHERLANDS R. Nederland has added 12325 for Spanish at 1230 (España International Radio Club via RCI Spanish DX pgm 10/10) Would you believe 15325? cf DX program section (gh)

NETHERLANDS ANTILLES Regarding the measured frequencies 15221 and 15321, we have found this to have been a technical error at our station. It should have been on exactly 15220 and 15320. We trust that on receipt of this letter, you will have noticed that the error has been corrected already. (B. J. Loog, 21/9 letter from R. Nederland to David Walcutt, IL) 7/10 still on 15221 (gh)

PANAMA R. Onda Tropical, 'la emisora más joven de Panamá' hrd on 2480 apx, tho announced 1200; 16/8 0050 ID, mx, cuckoo sound, QTH Provincia Herrera; SIO 111 (Narciso Vilaró, PR via Jim Whitehead) In mid-Sept, Ondas (sic-gh) Tropical had developed substantial harmonic on 2487; but as of 9/10 not heard at SWNS HQ for over 2 weeks (SWNS) So not Dom. Rep. as had tentatively (gh)

PERU Apurímac (the river for which the station is named) is from Apu (great) and Rimac (speaker) because of the tremendous noise generated by the torrential waters. R. Cultural de Amauta is named for the Amautas, literally 'wise men,' who were keepers of the quipus, knotted ropes by which Incas passed on information in a decimal system in lieu of written language. (Ralph W. Perry, WI, NU ed)

PORTUGAL RCI D76 sked via DW-Sines; all 250 kw, and either 52° or 55° azimuth, all to USSR. 0315-0345 (relaying Daventry, rest Sackville) 6015 7285 9615 Russ; 1430-1500 9565 7245 Russ; 1500-1530 same Ukrainian; 1530-1600 same, French; 1600-1630 9770 7245 Russian (RCI 5/10 via Ian)

SA'UDI ARABIA The 'Holy Qu'ran Station' from Riyadh to S/EAs 1400-1700 is now on 15405 ex-21590 (BBCMS 7/10) Well, something from SA is still on 21590, heard 10/10 1430-1700 (gh) Main Arabic HS 0730-1530 on 21590 and 11870 have replaced 17755 and 11890; beamed respectively to west and SW (BBCMS 23/9) HQS hrd at 1435 on new 15405 18/9; Jeddah hrd on new 21525 1605 Swahili 26/9(Kern.)

SEYCHELLES FEBA 'current' sked, probably out of date now, but we have so much trouble getting them before they expire, I'm going to run it anyway: to Asia in Asian langs, 0045-0145 on 5995; 0145-0300 on 9605; 0200-0300 11785; 1130-1245 11815; 1130-1645 15330; 1400-1500 11945; 1530-1645 11870. Eaf in African langs: 0215-0300 9545; to ME in Arabic 0415-0515 15185; 1800-1900 9665; to Indian Ocean Islands in Hindi/French, 0845-0930 15270; to Iran in Farsi and ME in Arab 1700-1800 9765 (Adrian Peterson, India, via R. Australia DXers Calling 3/10 via gh) See English section for rest.

SICILY Caltanissetta broadcasts on 6060 kHz at 0500-2230 GMT; it is substituted by Roma on the same frequency at 2300-0500 (7/9 letter from illegible RAI wheel to Tom Overcamp, SC, evading his inquiries about the site on 7175) / 1930. No freqs given, just 31 and 49m; 9585? (BBCMS 7/10)

SOMALI REP R Mogadishu retimed as from 1/10: Arabic 1000-1100, Swahili 1430-1530, Arabic 1630-

SPAIN Besides Canaries (qv) these are the sites in use per frequency as of 13/9, perhaps still somewhat applicable: Noblejas (Toledo), 350 kW units on 6100 6120 7105 9360 9520 9530 9580 9600 9630 11730 11775 11810 11920 11945 11965 15440. Arganda (Madrid) puny 100 kW jobbies remain on 6065 6140 9505 9570 11785 11880=0100-0400. (RTVE sked via James P. Beirs, IL)

SRI LANKA SLBC Hindi 0100 on new 11835 ex-11800 (David Kernick 3/10) A change made with no basis. Reason is someone said QRM from lower side so they shifted to their next registered fq on the high side. If you know how ignorant of fq planning they are you will scream. You might ask why not take on the job? I'd rather work for R. Australia... (Victor Goonetilleke, Sri Lanka, NU 9/10)

SWEDEN D76 experimental SSB HF sked of R. Sweden programming, using 30 kW PEP USB from Hoerby, 13 dB gain log periodic, for which special QSL will be available: 17775 80° to SAs/Au Swedish pgm I, 0500(sat/sun 0630)-0800; 17770 110° to Medit/SAs/ME/IndOc 0900-1300 usual foreign langs as sked on other freqs; 17835 same beam, target, 1300-1400; Swedish pgm-I for rest: 17775 at 170° to Medit/AF 1400-1600; same on 15390 at 1600-1800; and 11770 250° to SWFu/SAm/SAT Oc at 1800-2130; report to Broadcasting Division, S-123 86 FARSTA, Sweden (S. T. A., direct)

SYRIA (?) McNeil's unID on 15163.5-15164.5 is almost certainly Damascus, logged many times here with poor modulation but 100% IDs! Lang nominally Spanish 2230-2315, then Arabic, but this is very erratic and sometimes the Spanish segment is extended or omitted altogether! (David Kernick, UK)

THAILAND Another new language from R. Thailand is Malay, heard at 1505 on 9654 (BBC WRC 29/9) In addition to Burmese, previously reported (gh)

TIMOR My contacts still deliberately avoid talking about the location of Rádio Dfii, but one says that the xmtr is fairly new and was donated by the Navy, possibly set up when R. Dfii started and now turned over to RRI Kupang. Secondly, Portuguese QSL on ethnic East Timor postcard arrived lately, signed by Mariano J. Lopes de Cruz, Chief of Dept. of Radio and Film, Provisional Govt. of East Timor. Posted, unfortunately, from Kebayoran, the govt. quarter of Jakarta (Campbell, NU)

TRANSKEI Transkei Broadcasting Corp was to come into existence as from 26/10 independence. They will be assisted by the SABC, per Radio RSA; no frequencies given (BBC World Radio Club 13/10 via Robert L. Foxworth, NY) Don't get your hopes up; there have long been four FM transmitters of SABC in Umtata, per FBIS, so why should they fool with shortwave, unless Swazi rival... (gh)

UK(OGBAND) RCI D76 Daventry relays, all 100 kW; European beams between 58 and 68° before 1630, 110 and 79° after 1630: 0315-0345 Russ 5965 7260; 9555 and 7235 at 1430-1500 Russian; 1500-1530 Ukrainian; 5995 and 7235 at 1600-1630 Russ, 1630-1700 Russ/Ukr, 1700-1730 Polish, 1730-1800 Ger, 1800-1830 Hung, 1830-1900 Czech (RCI 5/10 via McFarland) BBC seems to be developing a nasty habit of usurping other stations' traditional frequencies for its own services to the same target area.

The horrendous clash between BBC Montserrat and Vatican to LAm and NAM 5995 continues. Vatican tested (at my suggestion) on 6015 and results were good... but then returned for unknown reasons to 5995. BBC Port to Brazil 2200-2300 or later on new 9560, level with Sofia Spanish 2230-2255 to LAm (Richard E. Wood, Syosset LINY 12/10) RCI-Daventry English listed under Canada, LN-7 -g
UGANDA (oops -gh) The Sunday Times says that on 21/9 a Hercules C-130 transport took on board a 3-ton Ford truck in London destined for Uganda, fitted out as a mobile radio station from which Pres. Amin could broadcast in an emergency. The station can also transmit taped messages assuring Ugandans of Amin's well-being should Kampala Radio be seized (SWNS 10/76)

URUGUAY CXA4 on 6125 is inactive; CXA6 9620 carries SODRE Program I at 1100-0300 except Tue/Wed 1500-1600; Program II on CXA14 is on 15275, not 15270 at 1100-0130 (Roberto Iglesias, B. A., via RAE DX 9/10) Neither: it's 15273.4 as measured here (gh)R. Continente ex R. Ariel, noted 23/9 one day only on 6075, first time in months: "Ésta es CX10, Continente, la radio que escuchan la gente," goes the ID (Tony Jones, nr Asunción, Paraguay; direct)

USA Among the FCC rules for SW stns: Minimum power 50 kW; meter readings must be taken every half hour, and a first class operator must be on duty at all times. Programming must be directed to a foreign audience; programming directed to a domestic audience does not conform to the FCC regulations. Of the two categories of SWBC stns, governmental and non-governmental, the FCC has authority only over non-governmental. ... When I visited VOA-Bethany, I asked the engineer why carriers are thrown on the air 15 to 30min before programming. He said it takes 15 minutes to take the required meter readings, as all are apparently taken by hand. (Brandon Lovett, OH) The BBC-Spanish relay from VOA-Dixon on 6015 0215-0415 is a double-satellite feed, judging from the approx one-half second delay it lags behind BBC-London on 6110. Nothing but the 22,300 distance up and down from London to Washington, and Washington to Dixon, could account for such a long delay on a 'live' relay. 22,300 miles, that is, to the synchronous satellite orbits. (gh) My source at the BBC gives this sked for relays by VOA of BBC Spanish: 0200-0415 Dixon 6015 126°; same time Delano 9680 127° (Mike Barraclough, UK, 11/10) See English section for remainder (gh)

USSR Mrs. S. of the NAS says "Belin", typed in on my QSL card, was not a site but the name of one of the verie handlers in the African service; turned out to be Vinnitsa. It seems strange that someone would type in a signature. (Martin B. Mark, West Lafayette IN)

USSR Some light on the controversy over a "Kamchatskaya Rabotskaya" program reported by one and dybbed by another as no such word: Kamchatskoye Radio. Petropavlovsk on 4485 has a program for fishermen Fridays only at 1932, "Kamchatskaya Rybatskaya" (via Takahiro Saito, FE DX Review 27/9) Local pgms in Russ and vernacs from Malchik, capital of Kabardino-Balkar ASSR, and Moscow relays have been heard on 4050 from 0030 past 1500 (BBCMS 30/9)

VATICAN The Lateran Pacts of 1929 guaranteed to the newly created Vatican City the right of free radio communication. The Italian government later granted extraterritoriality to the transmitting centre of Vatican Radio Station at Santa Maria di Galeria. A similar status is enjoyed by other buildings and lands of the Holy See in or near Rome, which are part of the Rep. of Italy, not of the Vatican City State. These include the basilicas of St. John Lateran, St. Mary Major, and St. Paul outside the walls, and the papal palace at Castel Gandolfo. (Msgr. G. Zannoni, Capo Ufficio, 8/9 via Alan Thompson, UK, via NU 2/10) Emphasis added by gh. This should put an end to the idea that Vatican Radio transmissions from Sta. Maria should be counted as anything but Italy. Extraterritoriality is irrelevant, insufficient -g

VIETNAM Among the remarks of the General Editor of VOV broadcast by Hanoi was this: "/VOV/ transmits daily programmes in many tribal languages from the two stations in Viet Bac and Tay Bac..." I have seen no previous evidence that the Viet Bac and Tay Bac services were not transmitted from Hanoi (gh) On 4705, Luang Ninh Provincial R. Viet 1200-1226* 9/8 (Craig Tyson, W.A., ADXN) VOV Ho Chi Minh City operates 2200-1605 on 9620 and 6165. Relays of VOV HS Hanoi are at these times: 2300-2330, 0000-0030, 0400-0430, 1100-1130, 1200-1215, 1400-1500 (BBCMS 9/76) There may be other times, as these are 'significant programs only' (gh)

YEMEN NORTH R San'a on 7265 ex-7235, 0300-0700 (Fri -1000 apx), 1100-2200 (BBCMS 16/9)

PROGRAM NEWS

ARGENTINA RAE offered to send quarterly schedules for one year to those sending in four self-addressed wrappers (Heckenlively, SD)

Send four adhesive address labels (Mike Gaito, ASWLC 8/76) What next, prepared QSLs? HI (gh)

AUSTRALIA The last remaining feature program of any promise on RA following their conversion to a music-and-news format is "The Australian Inventor"--Sundays 0710 1310 1910, Mons 0110. But their program guide has some beautiful color photos in it (gh)

EGYPT (Gf June LN-6) Undated sked shows these programming changes for R. Cairo to NAm: Mon 0205 World of Science; Tue 0240 Stamp Club, 0250 African Music, 0305 Arab Poetry; Wed 0300 Ancient Egyptian Civilization; Thu 0205 Name Calls, 0225 Point of View, 0235 Arab World; Sat 0205 Name Calls; Sun 0250 Egyptian Diary, 0300 Classical Arab Music, drop LA mx (Beirs, IL)

FINLAND R Finland has its version of Sweden's Saturday Show, called "It's Saturday". On 9/10, the male announcer began by trying to seduce the female announcer, who was not discouraging him one bit. Meanwhile, a RF correspondent led a mock tour of the Helsinki sewers, and found himself suddenly in the RF studio, where the hankypanky was taking place. Later was a satirical interview with the official Finnish movie censor who bleeped any slightly suggestive word the interviewer attempted to use. Finally, the announcer hoodwinked the censor by giving a slow, proper description of a movie scene and then quickly and slyly inserting the phrase 'sexual intercourse' before the censor could bleep him. Also that day was an excellent parody of the movie Casablanca. It was all very much in the style of Monty Python, and much of the content was just as good or better than the British humour series. For NAm, this can be heard at 1330 and 1430 on 15110 Sats, reception permitting (Kim Elliott, MN)

IRAQ R. Baghdad's 1930-2030 on 9745 nominal English pgms thru 31/12: opening with news, closing with Press Newsreel, with Arab and Western music besides these in-between features: Mon, Q&A; Tue, What do You Know about Iraq? Wed, Cultural Pgm; Thu, Palestine Pgm; Fri, Postbag Corner; Sat, A Round with the Microphone; Sun, Arab Heritage (Andrew Robins, MI)

NETHERLANDS In R. Nederland's Dutch pgm guide you will find a day-by-day listing of feature for six months and maps showing the beams and coverage areas of each (Dutch) transmission. In the French one you will be invited to become a club member of the "Amis de R.N." (gh)

PHILIPPINES Among R. Veritas pgms: Sat 0110-0130 Listener's Digest; Thu 0115-0130 Asian Melodies; 0130-0140 daily News; Mon 0140-0200 Opinions Please; also Fri. Sun 1410-1430 Asia Today, 1430-1455 Asian Memorandum; Mon 1415 Asian Literary Friends, Tue 1415 Portrait of a People, Sat 1415 Asian Folk Tales (via Mark Bixby, ASWLC 8/76)

SINGAPORE Some R. Singapore channel one (5052/11940) pgms: Mon 1145-1200 Arts Circle; 1430-1445 International Scene; Tue 1145 Science Report, 1300-1330 BBC My Music, 1400-1430 A Theme in Music, 1430-1445 Perspective, 1445-1500 Bookshelf. Wed 1145-1215 Music Notes; 1230-1300 On Stage, 1445-1500 Arts Circle; Thu 1145-1200 Science report, 1200-1230 Women's Magazine, 1300-1330 The Sam Gam Four; Fri 1145-1200 Behind the Name; 1300-1330 So That's How; 1400-1430 BEC ISIRTA; Sat 1400-1430 Hello Tomorrow, 1445-1530 At Your Request; Sun 1200-1230 Music from Many Lands, 1300-1330 Police Post. (From sked for week of 26/7/76--thus maybe somewhat different now--via Tom Overcamp, SG)

SWEDEN Four-letter words were in profusion on R. Sweden's incredible Saturday Show 9/10 on "Fermenting Shit, or Energy from the Rear, Produced by Eurass, Inc." The feature was spoken in authentic pseudo-peasant accents (Richard Wood, NY) It was somewhat startling to hear that word on the radio, but the skit was very well done. However, the Saturday Show is certainly not for everyone; it reached a new high or new low, depending on your point of view. Just as RFE gives eastern Europeans fare unavailable on domestic media, so did RS for North Americans in this satirical skit on fermenting wastes to produce methane gas (Elliott, MN)

BROADCASTS IN ENGLISH

ZAMBIA RZ 1745-1815 on 9580 pop mx and nx; px at 1800 slogans "One Zambia, One Nation" (ADX)

UZBEK SSR R Tashkent 24/10 clear on 6025 closing 1200-1230 1/9 via Richard Schwartz, (DE) pga, announcing this and 5975 (new, inaudible), 9540, 9600, probably same 1400-1430 (gh)

USSR From 22/10 R. Moscow NAm svc changes to 2230-0400 (BBCMS 16/9) Yes, and pga changes too; "News, Comment and Music" block is now "Moscow Review"; noted 24/10 0310 on 7355, 7205, 7115-partly open carrier, new 6125 over VOA-Russian, 6070 Sofia, 5940-very distorted off air relay; their pulser 7190 QRMd 7205. Closing 0357 with 2230 MHz (last 5 dropped where appli cable); 17.72 15.45 15.18 15.14 12.05 7.44 7.35 7.20 7.11 6.12 5.94; R. Kiev 24/10 0310 on 7400, 7215, 7245-off air relay; also announcing 5980 9780 9580 (gh)

USA My BBC source says BBCMS on 9510 at 0030-0330 is Graenavia, 146° (Barraclough) So to San Juan/Port of Spain/Brasilia/Rio de Janeiro, not CAm (gh) The Geo-alert BCs at 18 have been resumed as of 1/10, but only from WWV, not WWVH. 14 bulletins still down the tube (John Wegener, IL) About 200 letters objecting to the drop were received, but outside agency support (FCC, commercial monitoring stations) has dropped to zero. Cost of a minute on WWV for a year is \$5000, but maintaining Forecast Center is much more. DOD needs the info but now has its own capability (John Murray, Assoc. Dir., ITS, 20/9 call to gh) WAGC, Centre AL gives nice harmonic signal on 3120 // 1560 2300-2315* (Overcamp, SC) S/off now earlier; also all day here Sat 25/9 HS football playbacks, gospel; other current harmonics: 3100, WPGD, Winston-Salem NC, 1140-1153 gospel; 2000, WGOG, Walhalla SC. 1217 birthday greets for Walhalla denizens 16/10; 2800, WELK, Charlottesville VA, 1335 13/10; 3160, WLJ, Shelbyville TN, 1232 gospel mx despite local on 1580; 2780, WMPO Pomeroy OH, 1206 news; 2720, WWNB Jasper AL, 1206 wx, both 22/9; 2190, WMTG Vanleaves KY, 1243 28/8 nx and since (gh)

TAIWAN VOFC to NAm: 0200-0400 9685 15425 17890; 1900-2000 9510 11860 15225; to Eu/Af 1900-2000 9685 11825 17890 (R. RSA DX Corner 25/8)

SWITZERLAND Contrary to Sept LN-1, Two Bobs 10/10 said 1315 on 15140 is via Schwarzenburg with speech processing (John Wegener, IL) They'd had report that 15130 was coming in better the not beamed to NAm, which shook them up; so they put a new xmr on 15140 with log parabolic antenna; and reception has improved markedly (gh)

SWEDEN R. Sweden D76 non-SSB; half-hour xmsns 1830 6065 9720 11780 0230 6045 9695
1100 9630 21690 15305 1400 9750 11920 15305 2100 6065 11845 9605 Underlined to NAm
1230 21690 9745 15305 1600 6065 9665 11735 2300 6120 6045 9695 (via gh)

SWAZILAND SCR on 2490 1600-2200 // 3223 (Gerry Wood, RSA) 10kw night tests; also on 4985 ex-4980 but Malagasy QRM (Richard Ginbey, SGDX 5/10)

SOMALI R Mogadishu English resked to 1100-1430 from 1215-1230, presumed 9585 (BBCMS 7/10)

SEYCHELLES FERA S76 to Asia 0600-0830 15160; 1245-1400 11870 (RA DX 3/10) PORTUGAL: LN-8
PHILIPPINES R Veritas 1400-1500 on new 11800 // 9610 (Mike Barraclough, UK; GIB Junqua, Jpn)

NEW ZEALAND RNZ on new 6015 *1040 ex-6080 (Bob Zilmer, WI, SPEEDXGRAM) past 1130 some days (Jack Jones, MS, GRAM) 6080 was for special sports broadcasts only, all-night (gh)

NETHERLANDS ANTILLES A rare frequency change from RN-Bonaire, D76 0630-0750 to NZ 9630 ex-11730 (via gh) Already changed 20/9 (Arthur Cushen, NZ, via HGJB 21/10)

NETHERLANDS D76 RN changes: 0930 7240 ex-7210; 1400 15185 ex-21480; 1830 15375 ex-17700 (gh)

MONTSERRAT My BBC source says WS is sked from here 1045-1330 on 11790 N/S, and 2000-2115 on 9600 also 0/180° (Barraclough) Not hd as of 23/10; 9600 VOA occupied (gh) D76 plans to use 6020 at 1100-1330, 50 kilowatts; this freq not used by any other BBC site (Magne, PA)

MONGOLIA RUB sked 1220-1250, not Sun, to SEAs/FE 6383 5960; 1715-1745, not Sun to same on 1158 9574 (BBCMS 9/76)

MALTA R. Malta now uses 6080 for Sat "Malta Calling" 2045-2115, as do AWR and IBRA, of course (David Kernick, UK, 4/10) Hard to keep up with their freq changes; where now? (gh)

KOREA SOUTH R. Korea announced sked; to NAm 0300 0600 1600 1800; to SAm 1000; to Eu 1130 1330 2000; General svc 1000 1130 1600 2300. Freqs: 11860 9720 9675 9665 9640 9580 9525 7240 7150 (D. E. Rojewski, WA) Many are new times and freqs--not all at once (gh) Heard nt 2000 on 9720; 1330 on 11860 (David Kernick, UKOGBANI)

KOREA NORTH Latest sked for RP is 0600-0800 9820 12075; 1000-1100 7203 9768; 1200-1400 7580 9510 9769; 2300-2400 11535 15630 (Cushen, NZ, via HGJB 21/10) 10 mins shorter (gh)

JORDAN On 1/10 F/ri pga times changed to 0500-0600, 0800-1730; other days 0500-0600 and 1000-1730 (BBCMS 7/10) I believe not all of this is on SW (gh)

FINLAND R Finland D76 revives 0330-0400 NAm xmsn, finally capable of 49m--give it a try (gh) On 6120, which should be wiped out by RTVE-Spain. 11755 will suffer splash from Havana 11760 and 15110 is mixed with Prague (Richard Wood, NY) Anyway, the complete sked; w/kw, azimuths:

0930-1000 WEu 9550 100 234 1430-1500 NEu 6120 15 230 2000-2030 WEu/NWaf 9550
(Sat/Sun) CEu 11755 15 205 NAm 11755 250 140; 100 234

C/SEu/NWaf 15270 250 190 15110 100 305 SEu/NWaf 6120
1330-1400 NAm 11755 250 300 1900-1930 SEu/ME 11755 250 170 250 200 300
15110 100 305 (via gh) WEu/NWaf 9550 100 234 0330-0400 NAm 6120 250/

ETHIOPIA R Eth 1000(Sun 0900)-1030, 1500-1530 6185 9611 (Johann Oless Akio, DSWCI 9/76)

EGYPT R Cairo to Eur until 31/10 2200-2315 on 15265 (Berger, DSWCI 9/76) ex-98057; (gh)

ECUADOR HGJB D76 delays NAm svc s/on from 1230 to 1330 on 15115 11745, rest same (Wood, NY)

CUBA RHC as of 1/11 was to move from 11930 to 9685 evs to NAm (21/10 0300 anmt on 11725 via gh) Now maybe they'll get thru during the winter; said rest unchanged (gh)

COLOMBIA R Sutatensa had full English ID 22/10 0324 as "ACPO, the largest educational radio network in South America" claiming to be on 62m, 5095; heard on 5075 (gh) BELIZE: LN-8

CANADA On 6209, rock mx, 0343 R. Canada ID, 0400 GBC nx, 11/9 (Gerry Dexter, WI, NU) My BBC source gives this sked for relays via Sackville; 9510, 2245-0030, 2779; 6175, 2245-0430, 2680; 5990, 1100-1330 2680; 15365 1710 and 9580 2770 both 1445-1745 (Barraclough) Actually 1600-1709 except weekends (gh) CFRB audible on tenth harmonic, 10100, 1255 10/10 (gh) As of 8/11 RCI cuts its xmas in half and rearranges them, and NS has a new freq: It is also in French, Inuktitut and Cree, of course at as yet unknown D76 times. The sked:
 1145-1225 D11720 100 133 Forces 1900-1930 17820 50 97 Af 0100-0127 9535 250 232 N/CAM
 D-Daven. D 9635 100 133 to Eu 15325 50 97 Af 0200-0230 9605 250 232 N/CAM
 1400-1415 17820 50 97 Afr D11830 100 180 Af 6000 50 277 N/CAM
 15325 50 97 Afr D 9685 100 180 Af 0300-0328 9655 50 277 N/CAM
 1400-1500 D6195 100 150 Eu Sun 1930-1959 11865 250 68 Eu 9605 250 232 N/CAM
 1530-1600 D9555 100 64 E Eu 9635 250 68 Eu 6000 50 277 N/CAM
 D7235 100 68 E Eu 2000-2030 17820 250 240 SPac 5960 250 232 N/CAM
 1630-1659 17820 250 60 Forces 15325 250 232 SPac 0400-0430 9655 50 277 N/CAM
 15325 250 68 to Eu 15290 50 277 SPac 5960 250 232 N/CAM
 1800-1830 17820 50 97 Af 2158-2246 9445 250 68 Forc 1130-1400 9625 250 348 NS
 15325 50 97 Af 5925 250 68 Eu 2300-0607 6065 250 348 NS
 1830-1859 11865 250 68 Eu W. 2257-0100 5960 250 232 Nam 1400-2259 9625 250 348 NS
 9620 250 68 Eu 0100-0127 11940 50 171 SAM 11720 250 348 NS

CAMBODIA The #0430, English pgn noted 0530-0600 on R Yaounde 4972½ (Butterfield, SPEDX, MA)

BRAZIL RNB on 15245 ex-11780 since 16/10; poor choice (Wegener, IL) Due Zaire (gh) 2100.

BHUTAN NYAB "smallest station in the world" with 300w on 7040 now on Weds 1230-1330 and Sun 0730-0930 (Adrian Peterson, India, SGDX 21/9) Now makes it to Japan: 6/10 varies 7040-7041½ in English on Weds, but hard to read, ham QRM (Junqua) Better window for Nam too: (gh)

BENIN 4870 English news, sports 2030-2040, strong from Gotonou (Jerry Berg, MA, NU 6/10)

AUSTRALIA VL2UV, University of NSW strong to 1100* on 1750 kHz (Jim Benzoni, NZ, NZDX 8/76) Might make it to Nam if could surpass ute QRM (gh) Cf earlier reports on 5250 stn. Was found 25 years ago; country schools are provided \$10 converters, power 200 watts (Campbell)

ANTARCTICA Not a day goes by I don't check 7215, but absolutely nothing after months of checking for AFAN (Al Sizer, CT, NU 9/10)

DX PROGRAMS **ARGENTINA** RAE's "Dixiao Argentino al Mundo" now aired 5 times weekly; Wed 1919 11710; Thu 0119 and 0419 9690; Sat 2303 11710, Sun 0208 9690 (sked anc'd 25/9 via Wegener, IL) Looks precise, but already well underway when I tune in at 2300. Good hard-hitting show, accurate info (gh)

CANADA Remains to be seen whether French and Spanish DX pgms survive into D76, but in Nov, still going. DX news capsule concluding French, from UER Bruxelles, seemingly official is instead a mélange of stale tips and outrageous soundeffects like machine-gun fire. Spanish "Dixiao en Marcha" host is extremely credulous, obviously never listens to SW; spent most of 10/10 pgn reading constitution of new "FriendX-In-Col" club; including 8 qualifications for membership so all-inclusive that anyone could join; who cares? But great for laughs (gh)

COLOMBIA La Salle DX Club has new DX program on R. Sutatena on 5975 and 6095, Fridays at 0320-0330 (RCI Spanish DX pgn 25/9) Heard here 23/10, its GMT Sats and on 5075, some tips but QRM'd out or left air; within "Frecuencia Internacional" pen pal program (gh)

ECUADOR With Clayton Howard back in IL, DX PARTY WE WANT OUR LISTENERS TO STAY TUNED TO Line has a new host, Al Hatch; quite a change in HCJB, so we adapt our programs to interest them. DX pace, from plodding to brisk. "Hello DXers" in PARTY LINE with its Andex club is planned to take the

the Japanese pgn has dropped its English segment answer of the Gospel to shortwave fans. (HGJB R. Log) in favor of bits of HGJB's German, Czech, Swedish etc. services; German xmas at 0600 has moved from 9760 to 9665 (last DXPL 14/10) Have given up on the Spanish DX segment (gh)

SEYCHELLES FEBA "DX Postbag" is on alternate weeks 1240-1255, S76 11870 15325, scripted by Victor Coonettilleke (Australian DX News, 9/76)

USA The United World Radio DX Club has a weekly DX program, Mondays at 2315 on WIDD-1520, Elizabethon TN (DX Juke Box 14/10) This is the club that believes skeds never change; I haven't heard the pgn yet, but should be able to; however, daytimer signs off earlier (gh)

USSR R. Kiev has a "DX-Sendung" in German on first and third Tues in 1900-1930 pgn (Beirs)

CLANDESTINE CRANNY **EUROPE** pirates include "Peanut Radio", West Germany, on 6219 0900-0945 4/7 (Anker Petersen, DSWCI) the Scottish nationalist Radio Free Scotland may be active on 6248, 2355-0020, 0830-0915 (Carol Fell, DSWCI) That time would make it possible in Nam (gh) **USA** "KLOC" on 3873 0330-0400 rock and satire, seemed from Chicago area (Ed Shaw, KY, NU 9/10) **THAILAND** Mr. Takejiro Tomita, prof. at Osaka U. says the Thai spoken on the Voice of Malaysia is that of southern Thailand; while that on the Voice of Thai People is 'poor', strongly Northern accent; announcers are not changed these 5 years or so. (FE DX Review 27/9)

FUTURE PLANS **SINGAPORE** BCFES transfer from Malaya will be completed by spring 1979; will include 8 xtrs, on an unused piece of reclaimed swampland at Kranji; will relay WS and 12 other languages (London Daily Telegraph 1/10, Thompson)

INDONESIA A reliable source says regional stns at Surakarta, Jakarta, Yogyakarta will leave the air in 1977 (Robert Stees, PA) For MW, presumably; what source? (gh)

BRAZIL R. Progresso has been authorized to set up a station in Souza, Paraíba, in the HF tropical band (BEGMS 14/10) So 60 or 90m, not 120m, which would be MF tropical (gh)

PUBLICATIONS A Historical Analysis of American Short Wave Broadcasting 1916-1942

by Michael Kent Sidel, is a thorough and readable unpublished Ph.D. dissertation for Northwestern University, June 1976. Hard copies can be ordered for about \$11 from University Microfilms, 300 N. Zeeb Rd., Ann Arbor, MI 48106. It covers the pre-VOM days when NEC, CBS, GE, Westinghouse, Crosley and others were deeply involved in ISWBC--the good old days of the 30's when SWling was as much a fad as CB is today. And it was all researched with hardly any reference to DX publications of the era, to a total of 274 double-space typed pages, the last 61 of which contain the 745 footnotes and bibliography, itself a valuable reference. Kent has just joined the University of Tennessee faculty, but I would not have become the sixth person to read his dissertation, had I not spotted him in the hall carrying a CBC Northern Service program schedule, and thus learned of our mutual interest(gh)

Far Eastern DX Review is an excellent new publication of the Japanese Association of DX-ers, Isao Ugusa, Hiroyuki Nagase, Takahiro Saito, Yoshiaki Hayashi, each of whom specializes in a certain geographical area--along the lines of DUDXC but without the band surveys. The first issue, dated 27/9, is xerox-reproduced, in English but with some Chinese/Pinyin anats. The 16-pager required 230 yen airmail postage, but no info was given on price or frequency of publication. Most notable in this one is a detailed article on Fujian Front Broadcasting Station, by Nagase, with a detailed program schedule constructed from monitoring. Contact NASWA member Isao Ugusa, 1508 Shironomas, Mikage, Higashinada, Kobe 658, Japan for info(gh)

Down Under DX Survey No. 6/1976, dated 12/9 is now available for 5 IRCs airmail (3 IRCs or 40¢ in mint Aus. stamps in A/NZ) from 17 Stevenson St., Kew, Victoria, Australia 3101. In this 14-pager are detailed band surveys covering 7500-9500 and 4500-5100 kHz (Asian/Pacific stations only). One page each devoted to Taiwan-BCC sked; AIR regionals sked by freq; "The Truth about NHK Japan" with complete schedules of domestic SW relays; and 3 pages on the major governmental regions of Indonesia. Another excellent piece of research. (gh)

DX CALENDAR

<u>November</u>	1 Hungary: R Budapest, 41	11 Upper Volta: Indep. Day
18 Ecuador: R Centinela/Sur, 20	Cent. Af. Rep.: Repub. Day	12 Kenya: Independence Day
20 Mexico: Revolution Day	Ecuador: R Centit, 35	Philipp: Pangsangjan Fiesta
22 Lebanon: Independence Day	5 Thailand: King's Birthday	Mexico: Our Lady of Guadalupe Day
28 Mauritania: Independence Day	Sto Domingo: Columbus 1492	13-14 Indonesia: Idul-Adha
Panamá: Indep. from Spain	6 Finland: Independence Day	14 El Salvador: Holiday
29 Albania: Liberation Day	Ecuador: Quito local h'day	India: Bakr Id
Yugoslavia: Republic Day	8 Brazil: R Alvorada, 14 yrs	Malaysia/Sing/Brunei: Hari Raya Haji
30 Philippines: Heroes Day	Honduras: LV Evangelica, 16	Pakistan: Eid-ul-Azha
<u>December</u>	Feast of Our Lady of Immaculate Conception (RCC areas)	15 Bolivia: Cruz del Sur, 27
1 Portugal: Independence Day	9 Tanzania: Independence Day	(Zama, BDXC, and Sunspot)
	10 Thailand: Constitution Day	

INTRUDER WATCH If you listen to SW at all, you will have been annoyed by the

"Monster Jammer" as SWNS calls it, sending out rapid bursts of pulses over a wide frequency range. It's attracting attention everywhere, such as: (gh) It's a gigantic Russian transmitter sounding like a machine gun. Sweden, Britain and Austria have located it in the Poltava area of the Ukraine; one report puts its power as high as 2 megawatts. USSR has not answered inquiries through ITU channels. CE of the Defence Research Institute, FOA, theorizes it's a form of SW radar (R. Sweden 6/10 via BEGMS) John Hutchinson, Comms. Dir. of Canadian Steamship Lines, Montréal says colleagues in Rome said newspapers there speculate it was jamming to disrupt NATO exercises off the Scandinavian coast, adversely affecting entire ham bands at a clip (CBC 29/9 via Magne) I find it tends to operate near the MUF of the N Atlantic path, perhaps coincidence. Presumably it uses back scatter to determine MUF moment-to-moment, making its operation totally unpredictable. I doubt it's jamming, and it has no properties of data transmission. However, something along the lines of over-the-horizon radar would not be inconceivable, or even a device to counteract same from the US--radar jammer or electronic warfare device (Magne, PA) The federal govt is investigating unusual communications interference from the USSR which has blanked out much SW communication in northern Canada (Hutchinson, via Winnipeg Tribune 24/9 via Bill Danyluk, SWNS) which wonders if we will ever know the truth about this? # The ham intruder watchers have a net GMT Tuesdays on 21260 at 2100 and 2330; and GMT Wednesdays on 14345 at 0430 (NNRC 10/76) I suspect they are not charitable to legit 42m broadcasts (gh)

HOLDOVERS for lack of space; Don't You Believe (which rated 2.64; more positive than negative); Several thought-provoking In My Opinions; half a page of Latin American stn slogans; reviews of receivers costing from \$30 to \$6000, and much, much more! (gh)

LAST-MINUTE ITEMS AND MISSORTS ANTIGUA Enables DW to add a new English to Nam, 1300-1320 on 9605; also at 0130-0150 on 6040, 0530-0550 on 6065 (R.N. Allen, OK, Heckenlively, SD, et al) BELIZE Down to 3285 11/10 at 0127 obituary, guess tired of 3300 QRM (Laves, TX. TDXX)

LAOS Xiang Khouang regional HS on 6693 4603 in Laotian and Lao-Soung operates 2300-0100, 0400-0600, 1000-1400. Luang Prabang on 8395-or-8175, and 6985 in Lao-Soung at 2300-0200, 0400-0600, 1000-1430 (BEGMS 9/76) PORTUGAL Retimed Euro service, so English is at 1800-1830 ex- 2030, on 9740 6025 (BEGMS 14/10) Clandestine National Voice of Iran, "Sada-ye Mellai-ye Iran", pro-communist, anti-Shah operates 1730-1815 in Persian/Azerbaijani/Persian on 6025, probably via Radio Baku xatx; first heard in 4/59 (BEGMS 10/76) But not much by DXers (gh)

NASWA SURVEY COMMENTS (continued)

"I became a reckless tuner. Yes, I actually mized tuning and reading. I would skip across the bands, and a few times my hand slipped off the dial. It became a regular habit, and I was finally forced to admit it -- I was a DXholic! Many times I was found in the gutters putting up an antenna. I was at the low of my life when I received a Summer English Broadcast Guide from NASWA (Notorious Alcoholics of Shortwave Anonymous). This organization does not try to stop DXing but rather tries to make the DXer controllable and respectable. Well, I thought that maybe NASWA could help me, so I joined. They sent me informative magazines that contained every aspect of SWL. I learned when to tune what band. I found the joys of QSL cards. NASWA transformed me from a reckless, obnoxious DXholic to a clean, respectable DXer. I thank you NASWA."

"The club's bulletin is the best I have come across and I wouldn't give it up for anything. The only fault I can find is that the technical content is too deep for the average reader."

"Find NASWA to have to most fantastic magazine! I receive four other magazines and greatly prefer FRENEX!"

"My only fault is the small print if FRENEX, otherwise your material is good and most interesting."

"The hobby is for old men who, with plenty of cash, will succeed while others are left with a weird feeling as we look through FRENEX and know we cannot duplicate them without money."

"FRENEX is an outstanding publication but somebody ought to call SPEEDX to find out their secret for readable type and clarity in reproduction process."

"The majority of LR listings are from the North and Northeast. Need more people from South and Southeast. No DXer should be without NASWA."

"FRENEX is a great help even for the casual listener such as myself."

"NASWA should give mailing lists to responsible electronic manufacturers so we can find out about equipment or publications. There are some really good, small companies that deal with this type of stuff, but they are so small they are only known in a small part of the country."

"NASWA is the most progressive and publishes the best bulletin. Like the stations listed by frequency as you don't have to hunt through the bulletin to verify a frequency."

"I looked over all the majors before joining a SW club. NASWA was, and is, the best."

"My comments are first directed toward NASWA. First off, FRENEX is an excellent publication. But it still gives me an impression it is a 'stuffy' magazine. Regarding the log reports, they say 'send in only the best you have logged.' In other words, to me it should be some station very remote. There are a lot of stations left out in my opinion that can be useful. The log forms are a pile of poop! I feel this distribution editor for logs is a big waste. What will happen to NASWA when GH is no longer able to contribute? Well I will be looking forward to next month's bulletin for after reading it I will seriously think about renewing. ASWLC is friendlier, take a few tips. All original material from the members. Later!"

"NASWA is performing a fine service which I appreciate. I am amazed at the dedication of your contributors and the professional approach taken in all your endeavors, this survey being a good example."

"NASWA completely regenerated my interest about two years ago. I can only make one criticism -- we have a few members with a Godlike or 'holier than thou' attitude which is rather obvious and nauseating. However, I pray for them!"

"I for one have stopped contributing because my material is seldom used. My countries are not exotic enough, maybe, but to me and others not so experienced, they are good catches. Many editors seem to discourage participation, though probably unintentionally, by such action."

"DXing According to NASWA is one of the best shortwave books published! I highly recommend it to all DXers. One of the reasons NASWA is the largest sw club in North America is because FRENEX publishes outstanding research articles and its DX station listings are among the most complete and most helpful. NASWA is to be complimented on their initiative in compiling and issuing this survey which results will prove most valuable to the hobby."

"I have often suggested that FRENEX give more emphasis to English-language broadcasts, e.g. more frequent lists of EE transmissions and distinguishing marks in the Log Report for EE programs."

"Especially appreciate the newer features on program content."

"A feature I would like to see in FRENEX is short articles by the winners of awards specifying the techniques and equipment used in qualifying for the award."

"Don't make NASWA so sophisticated (like the 'elite' DX Hotline if you will) that newcomers and/or potential hobbyists turn off because of the appearance of being too complex."

"I have maintained as have others that more frequent bulletin publication would be useful especially in winter, with a musings section as opposed to the current SWC which has a lot of filler, and with a definite attempt to make technical features/projects/research a more predominant theme."

"As for NASWA I have been a member for several years and it is the best. I just cannot say enough for you fellows that keep it going. The hobby itself is in my opinion one of the best, not too expensive, and it certainly helps a man in learning all he can about this old world of ours. I have learned more about geography from shortwave than I ever did in school. I will soon be 80 years old, have a new Drake SPR-4, a Mosley SWL-7 50 feet in the air, am having a swell time so intend to sit out the rest of it and enjoy myself. The best of everything for everyone on the staff."

"If a person is a SWL and doesn't belong to NASWA, I can conceive of only two possibilities: 1) either the SWL is unaware of NASWA's existence, or 2) the SWL is a nut. Although I am only a casual listener, my pleasure in the hobby would be greatly diminished without FRENEX."

Finally, there were several comments about the survey itself. Most of the feedback was positive and the majority felt that the questionnaire would succeed in providing some information about SWL/DXers. Of course, the prevalence of favorable opinions has much to do with the fact that those who bothered to send back the questionnaire must have been somewhat positively disposed towards this project. Critical comments were very useful and well taken:

"This survey does not make much sense to the pure DXer. It is all predicated on SWL. I can't answer most of these questions intelligently because I only listen for DX."

"You should replicate this study among non-NASWA members. And how about a question asking 'do you listen more, the same, or less than a year ago?'"

"Your interest in this pastime makes me feel as though I'm not wasting my time."

"I think you might have formulated a question eliciting from SWL/DXers the reasons for listening to shortwave radio at all. For example, how many people believe that US media's failing in their coverage promotes SWling? How objective and informative are the various international broadcasters? I feel America's communications media do an inadequate job of reporting not only international but also US national events. Thanks for being interested in what SWLs think."

"Let's hope this survey opens some eyes and ears -- we need a bigger selection of receivers and equipment."

"I am very sorry the questionnaire did not ask us to rate how we like the programs of various countries, regardless of our ability to pick them up. Also, you should have included some questions about the SS broadcasts of LA stations."

"Great survey! I was beginning to think SWBCers thought we all died off, hi!"

"Have fun figuring the results. Ugh, what a job! Good luck!"

"This survey is the greatest thing since the transistor for the SWL/DXer. If it is successful, we might get better programming, more items on the market, and maybe even a few more stations."

"I don't like the taste of your adhesive glue!"

One disgruntled respondent wrote: "I would think NASWA could find something more worthwhile than this to spend club money on!" At first I was rather flustered at this display of raspberries. But after pondering it a bit, I began to realize that maybe the gentleman has a point: why should club money be used on a project that seems to favor the SWLs? Therefore, I would like to make clear at this point that no club monies, i.e. your dues, were used for this project. The survey was paid for by funds allocated to me by the Bush Foundation Fellowship at the University of Minnesota.

HELPING HAND: For sale. R-390A/URR receiver w/manual. In working order, but could do with some alignment. Reason for sale: already have HQ-180A and XCR-30. \$200.00, NYC area pick up or delivery. Contact Richard E. Wood, 38 Plainfield Ave., East Rockaway, NY 11518. Phone days 516/294-8700, ext. 7435 or evenings 516/887-1506.

HELPING HAND: For sale. Knight-Kit R-100A general coverage receiver in good condition, ideal for standby rig. \$50.00 delivered, or \$40.00 you pay shipping. Contact Jim Pogue, P.O. Box 972, Lafayette, IN 47902.

QSL

Report



•Editor: William E. Oliver

45 Wildflower Rd., Levittown, PA. 19057

Veries from eight different stations in Colombia are some of the highlights of this month's "QSL Report". Three of these Colombians were sent in by Henry Lazarus, New Orleans, LA who also contributed a QSL from the Sri Lanka Broadcasting Corp. And there's more. Read on....

ADMIRALTY IS: R. Manus, 3905, f/d NBC map card in 14 days, air, for EE rpt and mint stamps. Sked received separately on the same day. (Mayer-IL).

AFGHANISTAN: R. Afghanistan, 3390, usual card w/wrong time and freq in 4 weeks for 1 IRC. (Cosier-AUST). Those cards aren't "usual" here, Geoff! ed.

ALBANIA: R. Tirana, 7300, f/d card in 27 days. No rp. (Morrison-KY); f/d "Revolutionaire" card in 81 days for EE rpt and 1 IRC. (Rubak-IL); same f/d card in 2 months. No rp. (McClure-KY).

R. Peking Relay, 7120, "Timber Forest" card w/o time in 18 days. No rp. (Cohen-NJ); same card, pennant, pin, "Chinese For Beginners" lessons and personal note on the earthquake in 20 days. (Butterfield-MA): 9780, same card and sked in 24 days. No rp. (Luce-TX).

ASCENSION IS: BEC Relay, 15400, no-data "Tower Bridge" card w/site in 33 days. No rp. (Cohen-NJ).

ASIATIC RSFSR: R. Moscow xmtr site cards received in 1 month by Cohen-NJ, Noonan-WI, Barto-CT and Mayer-IL for Petropavlovsk-Kamchatsky 15210/17720. Omsk 7320. Kenga 9720. Vladivostok 11960. Khabarovsk 15100/12055.

AUSTRALIA: R. Australia, 9580, f/d card and rpt form in 7 months. (Gercken-IL); card in 140 days. No rp. (Davenport-TN); card in 6 months for rpt form. (Cohen-NJ); card, sked, info on Aborigines and a huge "Butterfly" poster in 6 months for 1 IRC. All this was preceded by 4 aerogramme letters. (McIntosh-ONT): 17860, f/d card in 70 days for rpt on Carnarvon test xmsn at 0744 GMT July 24, 1976. First time they sent only sked, brochure and rpt form. After f/up letter mentioning NASWA, I received the QSL. I assume that "NASWA" helped. (Osterman-ONT): 17795, f/d card in 128 days. No rp. (Luce-TX): 9580/15320, 2 cards in 6 months. No rp. (Gower-IL): 9770/11780, f/d cards in 136 days. No rp. (Mayer-IL). Cards were "Scarlet Crested Parakeet", "Blue Wren", "Grevilla Flower" and "Kookaburra".

VLQ9-Brisbane, 9660, f/d card w/domestic radio services in Queensland in 14 days. No rp. (Klassman-IL).

VLM4-Brisbane, 4920, f/d blue map card in 11 days. No rp. (Stauner-WI).

VLW9-Perth, 9610, f/d ABC card in 14 days for 1 IRC. (Camillo-NY); same card and sked in 45 days for 1 IRC. (Butterfield-MA).

VNG, 12000, f/d form letter in 43 days for aerogramme rpt. (Sarrazin-CO).

AUSTRIA: ORF, 9770; f/d card, sked and 2 rpt forms in 32 days for 1 IRC. (Brindle-PA); f/d card, sked and rpt form in 50 days. No rp. (Alintuck-MA); f/d silver card, sked and rpt form in 49 days for 1 IRC. (Rubak-IL); f/d card, sked and decal in 53 days for 1 IRC. (Camillo-NY).

BELGIUM: BRT4, 9725, f/d blue ORU card, sked, new black/gold/red pennant and complimentary card in 44 days for 1 IRC. (Brindle-PA); ORU card, sked and souvenir folder in 43 days for 2 IRC's. (McClure-KY); f/d ORU card and sked in 28 days for 1 IRC. (Camillo-NY); f/d card, sked, pennant and post-card in 39 days for 2 IRC's. (McIntosh-ONT); f/d blue map card, sked and pennant in 44 days. No rp. (Mayer-IL).

BOLIVIA: La Cruz del Sur, 4875, very colorful no-data card and pennant in 63 days for SS rpt, mint stamps and photo. (Herkimer-NY); "Llama" card, letter and pennant in 5 months for EE rpt and mint stamps. (Vokes-TX);

- card w/only freq in 3 weeks for SS rpt and mint stamps. (Overcamp-SC).
- BOUGAINVILLE IS:** R. Bougainville, 3322, f/d personal letter from Aloysius Sahoto thanking me for my rpt and wishing me more success with my hobby. It came in 33 days, air, for 2 IRC's. (Bishop-PA).
- BRAZIL:** R. Nacional de Brasilia, 11780, f/d map card and sked in 1 month for 3 IRC's. (McClure-KY); f/d card in 3 weeks for 1 IRC. (Kapinos-MA).
- R. Brasil Central, 4985, EE letter in 2 months for PP rpt. (Barto-CT): 11815, f/d verie letter and sked in 189 days for PP rpt and PP letter. No rp. (Poppin-CA).
- R. Rio Mar, 9695, EE/PP card of thanks w/date only in 26 days for PP rpt and mint stamps. (Krueger-FL).
- BURUNDI:** Rdiff. Nationale, 3300, folder card w/date and freq only in 96 days for FF rpt and 2 IRC's. There was no postage on the envelope! No stamp or meter! My best African! (Gionet-NB); folding card/sked in 13 weeks for FF rpt and 1 IRC. (Cosier-AUST).
- BYELORUSSIAN SSR:** R. Moscow via Minsk, 11740, "Moscow U" card in 40 days. No rp. (Beaudoin-CT).
- CAMEROON:** R. Yaounde, 4972.5, f/d map card in 25 days for 1 IRC. (Butterfield-MA).
- CANADA:** CFRX, 6070, f/d card and sked in 33 days. No rp. (Grow-PA); f/d "Carnival" card, sked and station info in 16 days for two 22¢ US aerogrammes (Alintuck-MA).
- CJCK, 6010, green/white card w/date and freq in 10 weeks for 1 IRC. (Gower-IL).
- CBC Northern Svc, 5960, card in 3 weeks for Canadian 10¢ stamp. I asked for sked but no luck. (Kapinos-MA).
- CHU, 3330/7335/14670, three f/d "Sir Stanford Flemming" cards and station info in 24 days. (Alvi-SASK).
- RCI, 11915, "Olympics" card in 1 month. No rp. V/s Ian MacFarland. (Wootten-ITALY). Was this a "do-it-yourself" card, Charles? ed.
- CANARY IS:** RTVE Relay, 15365, f/d "Toledo Antennas" card in 45 days for SS rpt on SS xmsn. No rp. (Conover-PA).
- CHAD:** Rdiff. Nationale Tchadienne, 4904.5, f/d "Three Scenes" card in 17 days fpr FF rpt on FF xmsn, 2 IRC's, postcard and used stamps. (Conover-PA).
- CHINA:** R. Peking, 11720-RR/9390-SS, cards, pin and special issue of Peking Review in 11 days for EE rpt and condolence letter. (Poppin-CA): 11945, "Timber Forest" card, calendar and mags in 24 days. No rp. (Marshall-ND): 15060, same card w/o time, pennant and pin in 3 weeks. No rp. Have also been receiving weekly editions of Peking Review. Much about the death of Chairman Mao. (Kapinos-MA).
- COLOMBIA:** R. Santa Fe, 4965, "Map/Radio" card w/only freq in 11 days for NASWA SS rpt and 3 IRC's sent by registered mail. (Ward-NB).
- R. Nacional, 4955, "Barranquilla" card w/date and all freqs in 60 days for NASWA SS rpt and US mint stamps. (Sarrazin-CO).
- La Voz del Caqueta, 5035, personal letter in 7 months for SS rpt and mint stamps received 3 weeks after f/up. (Lazarus-LA).
- Ecos del Atrato, 5020, personal letter 7 months after sending SS rpt and mint stamps and 13 days after 3rd f/up. V/s Glenda Uzcatequi. (Lazarus-LA).
- La Voz del Cinaruco, 4865, personal letter, pennant, franked Colombian and Venezuelan stamps, tape with part of station's programs and Colombian/Venezuelan music and sked 16 months after sending SS rpt, tape and mint stamps and 14 days after sending 5¢ f/up. V/s Javier Riano Gonzales, Locutor. (Lazarus-LA).
- R. Colosal, 4945, f/d form letter and note from L. Fernando Navarro G. plus nice blue pennant which I requested in 2 months for 2 IRC's and SS letter. (Krueger-FL).
- La Voz del Llano, 6115, beautiful aerogramme folder w/scenes of Villavicencio and 2 car stickers (one 15" long!) in 7 weeks for SS rpt. No rp. V/s Jairo E. Cifuentes. (Cosier-AUST).
- R. Cinco, 5040, verie letter w/info on Villavicencio and station in 4 weeks for SS rpt and postcard. No rp. Letter gives QRP as 3 kw, not 1 kw as in WRTVH, and apologizes for no QSL cards, but says they are being printed. V/s Jairo A. Agudelo C. (Cosier-AUST).
- COSTA RICA:** TIFC, 9645, card, sked and religious papers in 3 months. No rp. (Cain-LA); letter, pennant, card and station history in 3 months for SS rpt. V/s Mary H. Steele. (Barto-CT).
- R. Casino, 5954, long green card and pennant in 15 days for 2 IRC's and EE rpt on EE xmsn. (Krueger-FL); same card and pennant in 3 weeks for SS rpt and postcard. No rp. (Cosier-AUST); f/d SS/EE card and pennant

in 27 days for postcards and sticker. No rp. (Hall-NY).

CUBA: RHC, 17885, f/d card in 81 days. No rp. (Noonan-WI): 9525, f/d card and promise of info on their Olympic team in 66 days for 1 IRC. (Hall-NY).

CZECHOSLOVAKIA: R. Prague, 7345, f/d "Trade Fair" card, sked, 2 letters about commentary and 40th Anniversary card in 31 days for 1 IRC. (Rubak-IL): 5930/9540, f/d "Brutiscavia" card in 35 days. No rp. (Cohen-NJ): 7345/9540/11990, 3 f/d cards, 6 view cards, R. Praha Monitor Club card and certificate in 1 month for EE rpt forms. No rp. (Moss-CA).

AUSTRIAN ARMY-TRAINING TRANSMITTER

from
GERRY BISHOP



OEY 21
OEY 52

SCHULUNGSENDER
des Österreichischen Bundesheeres
Gubriegelstraße 45 A1102 WIEN

DENMARK: R. Denmark, 15165, f/d "Tower" card in 18 days for 1 IRC. My 78th VIC! (Gower-IL); same f/d card in 20 days for EE rpt on their EE ID and 2 IRC's. (Kay-NY); same card for rpt on EE ID in 25 days. (Cohen-NJ).

DOMINICAN REP: La Voz de las Fuerzas Armadas, 4825, "Thank You" letter w/ meter band from Fidel Teodoro Baez and a "Listener's Card" in 1 month for 2 IRC's and SS letter. (Krueger-FL).

R. Clarin, 4850, QSL letter in 54 days for SS rpt and mint stamps. V/s Lilli de Morales. (Marshall-ND).

ECUADOR: HCJB, 9560, f/d "Llama" card and sked in 39 days. (Bishop-PA); f/d card and sked in 30 days for 1 IRC. (Luce-TX): 11745, f/d card, sked and religious info w/ANDEX mailing in 35 days. No rp. (Alintuck-MA): 11915, f/d "Llama" card and skeds in 71 days. No rp. (Dubrick-IL): 15300/15310/17780, "Doll", "Owl", "15th Anniversary" and 2 "Woodcarving" cards in 4 weeks. No rp. (Wootten-ITALY).

EGYPT: R. Cairo, 9805, f/d card, sked in 4 months for 1 IRC. (Troster-ONT).

ENGLAND: VOA-Woofferton, f/d "Stamps" card in 8 days. No rp. (Dubrick-IL).

ETHIOPIA: ETLF, 7165, f/d "Four Scenes" card and sked in 5 months for rpt on EE xmsn. No rp. (Krueger-FL).

EUROPEAN RSFSR: -R. Moscow, 9585, f/d card in 34 days for FF rpt on FF Svc to Europe via Kazan. No rp. (Gionet-NB): 15505, f/d "Statue" card in 29 days. No rp. Mrs. Stepanova won't verify site because this is not NA Svc, although programming was !!! (Mayer-IL): 19 meter band, f/d "CMEA" card. No rp. Card has "Belin" typed on it (?). (Heflin-CO): 9600, f/d "Kalinin" card in 20 days. No rp. Also received a pennant for 5 rpts. (Herkimer-NY).

R. Moscow xmtr site cards received in about 1 month by Noonan-WI, Brown-MI, Beaudoin-CT, Barto-CT, Rockwood-OH, Herkimer-NY, Mayer-IL and Moss-CA for Moscow 9600/9550/9700/7390/9530/7290/11970. Armavir 12040. Tula 9610/7250. Ryazan 9720.

FINLAND: R. Finland, 15110, f/d "Autumn" card in 20 days. (Cohen-NJ); f/d "Summer" card in 14 days. No rp. (Beaudoin-CT).

FRANCE: RFI, 15210, f/d "L'Ile de la Cite" card, sked and blue paper pennant in 39 days for EE rpt and 1 IRC on 2nd try. (Kay-NY): 15200, f/d card and pennant in 1 month for 2 IRC's. (McClure-KY); f/d card in 16 days for EE rpt and 2 IRC's. (Moss-CA); "L'Arc de Triomphe" card and sked in 18 days. (Schneck-MA)

FRENCH GUIANA: France Regions 3, 3385, no-data card in 22 days for FF rpt and 1 IRC. (Gionet-NB): 4972, white card w/no specific data in 4 weeks for EE rpt. No rp. I'm really pleased about this! Possibly never heard in E. Australia before! My best Latin! (Cosier-AUST)

GEORGIAN SSR: R. Moscow via Tbilisi, 11805, card in 1 month. (Barto-CT).

GERMANY (E): RBL, 11890, f/d card in 21 days. No rp. Received info on the

country later. They also sent a letter which said my QSL and sked would be sent later. (Morrison-KY): 9730, f/d card and letter in 44 days w/promise of mags. No rp. (Hall-NY).

GERMANY (W): Deutsche Welle, 6010, no-data card in 243 days. No rp. (Brindle-PA): 6040, no-data card in 3 weeks for two-page rpt, SASE which was not used and some mint US Bicentennial stamps. I give up trying to get f/d from them. (Kapinos-MA): 9565, no-data card and copy of "Hallo Friends" in 131 days for 1 IRC. (Troster-ONT)

Sudwestfunk, 7265, f/d card w/abstract design and long letter about the station in 6 weeks for 1 IRC. Xmttr at Rohrdorf. (Brown-MI).

Sddeutscher Rundfunk, 6030, f/d yellow/white card w/"QSL" in large letters in 9 weeks for GG rpt and mint stamps which were not used. (Wootten-ITALY).

GHANA: GBC, 4915, f/d card in 25 days for EE rpt and 1 IRC. (Gionet-NB).

GREECE: V. of Greece, 9760, f/d white card, sked and complimentary card in 21 days for 1 IRC. (Brindle-PA); f/d card and sked in 1 month for 1 IRC.

(McClure-KY); f/d plain white card in 19 days for EE rpt and 2 IRC's.

(Larazus-LA); f/d white card in 2½ weeks. No rp. (Overcamp-SC).

VOA-Kavala, 7295, f/d "Stamps" card in 9 days. No rp. (Dubrick-IL).

GUATEMALA: TGNA, 3300, f/d card, sked and religious info in 22 days. No rp.

(Klassman-IL); f/d card, sked and letter on Guatemala in 40 days for 3 IRC's

(Morrison-KY); f/d card, nice letter, sked and pamphlet urging me to visit

Guatemala received in 35 days for 1 IRC. (Alvi-SASK); f/d "Quetzal" card in

16 days for EE rpt on SS xmsn and 1 IRC. (Conover-PA).

HAITI: 4VEH, 11835, f/d card, sked and religious pamphlet in 82 days. No

rp. V/s Mrs. Edna Beachy. (Grow-PA); f/d card, sked, letter and handmade

wooden letter opener in 50 days from Indiana Missionary Headquarters for EE

rpt and US airmail stamp. (Schumann-FL).

HAWAII: WVVH, 15000, "Aloha" card in 11 days. No rp. (Conover-PA); same

card in 41 days. No rp. (Cohen-NJ).

HONDURAS: HRVC, 4820, card in 17 days for EE f/up rpt. No rp. (Cain-LA);

map card w/date only in 28 days for 1 IRC. (Gionet-NB).

HUNGARY: R. Budapest, 6000, f/d card in 21 days for 1 IRC. (Schumann-FL):

9833, f/d orange "RBSW Club" card and pennant in 48 days. No rp. (Camillo

NY): 6110, same card in 2 months. No rp. (Wootten-ITALY): 7215, f/d "Are

You A Member?" card, sked, pennant, nice cancelled stamps, RBSW Club info

and form and letter from Maria Sotor saying that some mags and tourist

booklets were coming separately. Received in 2 weeks. No rp. (Owen-CO); f/d

"National Museum" card and pennant in 23 days. No rp. The exact same things

came 6 days later! (Hall-NY).

ICELAND: V. of Iceland, 12175, f/d gray map card in 38 days for EE rpt

and 1 IRC. (Gionet-NB).

INDIA: AIR-Calcutta, 4820, "Taj Mahal" card in 2 weeks for EE rpt. No rp.

A quick one! (Cosier-AUST), Try it from this end, Geoff! ed.

INDONESIA: RRI-Banjarmasin, 5970, EE letter in 4 months for Indo rpt and

mint stamps. V/s Andi Njongki. (Vokes-TX).

RRI-Surabaya, 3974, photo of studio w/details on back in 6 weeks

for Indo rpt and mint stamps. V/s Syam Abdoerraham. (Vokes-TX).

RPD-Kediri, JAVA, 3433, verie letter and 2 nice postcards of

Bali in 3 weeks for Indo rpt. No rp. V/s Ny Trie Sukirno. (Cosier-AUST).

RRI-Denpasar, BALI/LESSER SUNDA, 3945, f/d verie letter in 2

weeks for Indo rpt directed to station announcer whom Foster and Willis

visited while they were in Bali. (Cosier-AUST).

IRAN: V. of Iran, 9022, card w/wrong date, sked and pennant in 3 months. No

rp. (Cain-LA): 15085, f/d "Abadan TV" card in 19 days for EE rpt on Farsi

xmsn. No rp. (Gionet-NB).

IRAQ: R. Baghdad, 9745, f/d "Map/Bridge" card, sked, emblem, photo and a

pack of used stamps in 29 days. No rp. (Bishop-PA); f/d "Nargal Gate" card,

small plaque, used stamps, paper emblem and sked in 3 weeks for 1 IRC. I

also received small photos of Iraqi President and the Station Director.

(Kapinos-MA). For 2 IRC's you get an oil well, John. ed.

ISRAEL: IBA, 11645, f/d card in 34 days for 1 IRC. (Schumann-FL); f/d card

and rpt form in 61 days for 2 IRC's. (Moss-CA).

ITALY: RAI, 9575, f/d card in 107 days for 1 IRC. (Rubak-IL): 6010, f/d

card in 6 months for 1 IRC. (Camillo-NY).

JAPAN: R. Japan, 15300, "Hakata Doll" card and sked in 18 days. (Schneck

-MA): 9670, "Noh Mask" card w/freq and date in 20 days. No rp. Also got a

sked and card stating that my question would be read and answered on "Hullo

America". (Stauffer-CO).

FEN, 3910, card in 2 months. No rp. (Vokes-TX).

KOREA (N): R. Pyongyang, 12075, f/d "Welcome Back to the PDRK" card, "The Pyongyang Zoo" booklet, 30th Anniversary Report by Kim Il Sung and a script of "The Song of Kungang-san Mt." revolutionary opera in 17 weeks for EE rpt on EE xmsn. No rp. (Poppin-CA).

KOREA (S): KBS, 11860, f/d "Shinhung Temple" card, sked, info booklet, rpt form and pennant in 135 days for 2 IRC's and rpt sent by registered airmail. (Brindle-PA); f/d card and sked in 4 months for 1 IRC. (Noonan-WI); nice f/d "Maitreya Buddha" card w/complete sked on back, pennant and two other skeds in 3 months for EE aerogramme rpt. (Sarrazin-CO); two cards for 1 rpt on EE xmsn, sked and pennant in 4 months. No rp. (Krueger-FL): 9640, "Maitreya Buddha" card, sked and station info in 4 months for mint stamps which were not used. (Wooten-ITALY).

KUWAIT: R. Kuwait, 11845, folder QSL in 26 days for 1 IRC. (Beaudoin-CT).

LIBERIA: ELWA, 11940, f/d "Drummer" card, sked and religious pamphlet in 14 months. No rp. (Grow-PA): 11945, card and sked in 7 months for 1 IRC. (Beaudoin-CT): 9550, f/d "Native Drummer" card in 6 weeks for US Dollar Bill. Is this the secret to getting a quick reply? (Kapinos-MA).

VOA-Monrovia, 17870, f/d "Stamps" card in 4 days. No rp. V/s
Monica Reyes. (Alintuck-MA): 7280, same card and requested skeds in 6 days. No rp. (Dubrick-IL).

LITHUANIAN SSR: R. Vilnius, 9655, f/d "RTV Vilnius" card, sked and red/green pennant in 61 days for EE rpt and 1 IRC. (Kay-NY); f/d green "Flower" card and pennant in 17 weeks for aerogramme rpt. I rpted 9660 kHz, mentioning that this was approximate. They verified 9600 kHz!!! (Sarrazin-CO).

R. Moscow via Kaunas, 11870, card in 1 month. (Barto-CT):
7100, f/d "CMEA" card and sked in 23 days. No rp. (Camillo-NY); f/d "Statue" card in 29 days. No rp. (Mayer-IL).

LUXEMBOURG: R. Luxembourg, 6090, card in 1 month. No rp. (Cain-LA); f/d card in 48 days. No rp. (Morrison-KY).



Bujumbura, le 26-8-76

Mr Onil Gionet

128 Princess Street, Apt. 121

Saint John, New Brunswick

Canada E2L 1K7

Nous accusons réception de votre rapport d'écoute
 du 17 mai 1976 de notre station sur la
 fréquence de 3300 kHz et dans les
 bandes de 90 mètres.

Avec nos remerciements
 Le Chef du Service Technique

Doif

QTH: Radiodiffusion Nationale du Burundi
 (La Voix de la Révolution)

B.P. 4900 - BUJUMBURA

(Afrique Centrale)

MALAGASY REP: R. Nederland Relay, 11730, f/d "Eddie Startz Memorial" card in 15 days for 1 IRC. (Poppin-CA).

MALAYSIA: BBC Relay, 9740, no-data "Thames" card w/"FERS" typed on it and sked w/"Caribbean Relay" on it in 39 days. No rp. First rpt to London in May was unanswered. This rpt was sent to Tebrau, but the verie came from London! (Bishop-PA): 15435, new BBC "Tower Bridge" card w/no data in 1 month. No rp. (Conover-PA).

MAIL: Rdiff. Nationale du Mali, 5995, f/d map card w/sked on it in 8 months for FF rpt and 2 IRC's. (Brown-MI); f/d map card in 250 days for 1 IRC. (Rockwood-OH): 11960, f/d card w/African map design and personal FF letter received 2 years and 10 months after sending FF rpt, tape and 3 IRC's and 1

month after sending 3rd f/up and mint stamps. (Lazarus-LA).

MALTA: DW Relay, 6100, card w/no data except for "Malta" stamp as requested in 20 days. Card was first received 8/76 before I heard of the DW QSL policy change for a 7/76 reception but they had ignored my request for site. I sent the QSL back with another request and 2 IRC's. Just got it back with the "Malta" stamp and another copy of Hallo Friends. (Kay-NY); no-data card in 120 days. No rp. (Herkimer-NY); no-data card in 71 days. No rp. (Morrison-KY): 11795, no-data, no-site card and mag in 76 days for aerogramme rpt w/request for site sent to Cologne. How do you get sites on DW cards? (Sarrazin-CO).

AWR, 9635, orange card in 5½ weeks. (Cosier-AUST).

IBRA, 6035, f/d yellow map card in 3 weeks for rpt to Box 396, Stockholm, Sweden. (Kapinos-MA).

MEXICO: R. Mexico, 15385, verie letter, skeds, pamphlet and station info in 137 days for EE rpt on special broadcast. (Alvi-SASK).

MONACO: TWR, 7110, f/d card, sked, pennant in 14 days. No rp. (Noonan-WI).

MOROCCO: VOA-Tangier, 7190, card in 9 days. No rp. (Cain-LA).

NETHERLANDS: R. Nederland, 17700, f/d "Happy Station" card, plastic calendar, postcards of Tom Meyer and Holland, fact sheets and Happy Station sked and sticker and R. Nederland pin, all in 13 days for EE rpt and request for souvenirs. No rp. (Kay-NY): 11730, f/d card and sked in 2 months for 1 IRC. (McClure-KY); f/d "Eddie Startz" card and decal in 10 days. No rp. (Camillo-NY).

NETHERLANDS ANTILLES: R. Nederland Relay, 9715, f/d "Startz Memorial" card in 15 days for 1 IRC. (Schumann-FL): 6165, same f/d card in 21 days. No rp. (Luce-TX).

TWR, 11830, f/d QSL folder, sked and religious info in 15 days for 1 IRC. (Schumann-FL): 11895, f/d card, sked, station info and calendar in 79 days. No rp. (Alintuck-MA): 11925, f/d card, sked, religious info and letter in 104 days for EE rpt on Far East xmsn. Letter stated that, since no IRC's were sent, the letter was sent surface mail. (Alvi-SASK): 11815/11925, f/d folder cards in 15 days for 1 IRC. (Camillo-NY).

NEW CALEDONIA: France Regions 3, 7170, orange map card w/o freq in 61 days for FF rpt, mint stamps and local postcard. (Herkimer-NY); same card in 40 days for EE rpt. No rp. (Brown-MI); orange card in 1 month for FF rpt and 2 IRC's. (Krueger-FL).

NEWFOUNDLAND: CKZN, 6160, f/d CBC card and letter in 25 days. No rp. V/s F. H. Holm. (Herkimer-NY); same card and sked in 23 days. (Bishop-FA); CBC card and sked in 1 month for 1 IRC. (McClure-KY).

NEW ZEALAND: RNZ, 9520, f/d "Fishing" card in 102 days for 1 IRC. (Rubak-IL): 11780, f/d "Steaming Geysers" card and sked for 2 IRC's in 21 days. (Poppin-CA); 9585, f/d "Hot Springs" card and sked in 30 days for 1 IRC. (Butterfield-MA). How about "Outdoor Sauna" card? ed.

NIGERIA: NBC-Sokoto, 6195, very complete letter and f/up from Senior Engineer in 12 weeks for EE rpt and 1 IRC. (Brown-MI).

NORWAY: R. Norway, 15175, f/d card, sked and info on Norway in 55 days. No rp. (Morrison-KY); f/d "Sogn Coustume" card, mini-flag, Norway Facts Book, poster and data sheet for 2 IRC's. (Hower-CO); f/d "Lake" card, 2 copies of NRK and flag in 45 days. No rp. (Hall-NY).

OMAN: R. Oman, 11890, "Al Kamil" QSL card w/full data in 3 months for 2 IRC's and 2 color portraits. (Wiles-WV).

PAPUA NEW GUINEA: NBC, 4890, f/d map card in 29 days. No rp. Verie was stamped "Surface Mail" but arrived 5 days after postmark date with a letter which states: "We have just taken over from ABC and do not have certain items for our DX friends (pennants, calendars, etc.) but may have them in the future." Letter also mentioned that 3 IRC's are required for postage. V/s Jack M. Arifeae, DX Officer. (Klassman-IL); f/d letter and sked in 115 days for EE rpt and 2 IRC's. (Morrison-KY); f/d letter in 17 days. (Grow-PA)

R. East Sepik, 3335, f/d personal verie letter from Asst. Manager Paul Kafafi with much station info. Two IRC's were sent for airmail reply. (Bishop-FA). How long, Gerry? ed.

PERU: R. Nacional, 6082, card in 8 weeks for SS rpt and mint stamps. V/s Edna Almacedoz. (DiLeo-CT).

PHILIPPINES: FEBC, 11890, f/d "Jungle" card, sked and questionnaire in 94 days. No rp. Letter about the fire was here 2 weeks earlier. (Bishop-FA): 7225, card in 2 months for 2 IRC's. This was my 3rd f/up rpt in 2½ years! Persistence pays off! (Vokes-TX).

V. of Philippines, 9580, card, letter and questionnaire in 132 days for 2 IRC's. (Bishop-FA).

VOA-Tinang, 15290, f/d card in 9 days. No rp. (Alintuck-MA);

f/d "Stamps" card in 5 days. No rp. (Conover-PA).

POLAND: Polish Radio, 11815, f/d "Heraldic Arms of Polish Towns" card, sked postcard and very cordial letter from Jan Wierzbinski in 51 days. A very friendly station! (Herkimer-NY); f/d "DX Club" card in 10 weeks for 1 IRC. (Brown-MI): 9675, f/d card in 54 days. No rp. (Morrison-KY); f/d "Heraldic Arms" card and sked in 80 days. No rp. (McClure-KY): 9540, card, sked and other things in 5 1/2 weeks. No rp. (Cosier-AUST).

PORTUGAL: R. Portugal, 6025, f/d postcard verie w/PP verification stamped on back in 14 days for EE rpt and 1 IRC. (Schumann-FL): 17880, f/d card, sked, tourist brochures in 2 weeks. No rp. (Johnson-CO).

AWR, 9670, "Activity" card in 3 weeks for 1 IRC. (Wootten-ITALY).

ROMANIA: R. Bucharest, 9690, f/d card, letter, sked and info on Listeners' Club in 18 weeks. No rp. This was my 2nd attempt. (Schulman-NY).

RWANDA: DW Relay, 11795, no-data card and "Hallo Friends" in 140 days for 1 IRC. (Bishop-PA).

RYUKYU IS: VOA-Okinawa, 11830, f/d card w/site in 7 days. No rp. (Alintuck-MA): 7165, f/d "Stamps" card in 6 days. No rp. (Hall-NY).

from
JIM
ZABRANSKY



THE COAT OF ARMS OF
SARAWAK

SARAWAK: R. Malaysia-Kuching, 4.8 MHz, f/d "Urusan Kerajaan" card in 5 months for EE rpt and 1 IRC. (Poppin-CA).

R. Malaysia-Miri, 6060, new long card w/studio photo in 6 1/2 weeks for 1 IRC. (Cosier-AUST).

SIERRA LEONE: SLBC, 3316, f/d "Coat of Arms" card in 84 days for mint stamps. V/s S.L. Maturi, Engineer-in-Charge. Country #93! Ravenhorst-MN).

SOMALI REP: R. Mogadishu, 9585, f/d QSL letter in 38 days for Somali mint stamps. (Marshall-ND); f/d card in 12 weeks. No rp. (Cosier-AUST).

SOUTH AFRICA: R. RSA, 9585, f/d "Springbok" card and mag in 24 days for 1 IRC. (Schumann-FL); f/d "Drakensberg-Tugela Falls" card in 31 days. No rp. (Poppin-CA); f/d "Crowned Crane" card in 21 days. (Marshall-ND): 11900, f/d "Springbok" card in 4 weeks. No rp. (Wootten-ITALY): 11890, f/d "Coral Tree" card in 24 days for 1 IRC. (Rockwood-OH).

SABC, 3250, f/d "Industrial Montage" card and 3 mags on South Africa in 44 days. No rp. (Hall-NY): 4835, same card in 18 days. No rp. (Marshall-ND).

SPAIN: RTVE, 6065, f/d SS "Noblejas Antenna" card and sked in 57 days for EE rpt and 1 IRC. (Schumann-FL); f/d card and pennant in 105 days for 1 IRC. (Rockwood-OH); f/d card in 48 days for 1 IRC. (Camillo-NY): 11880, f/d card, sked and pennant in 2 months. No rp. (Waldherr-IN).

SRI LANKA: Sri Lanka Broadcasting Corp, 9720, f/d postcard QSL in 7 months for EE rpt and 2 IRC's. (Iarazus-LA).

VOA-Colombo, 15185, no-data "Stamps" card w/G. Jacob's signature only in 51 days for rpt sent by registered mail. My 18th try! None of these showed freq, time or site although requested on every rpt. Does this station send f/d cards only to Americans? (Gionet-NB). No, Onil. We have problems too. But 18 tries?? I can't figure that out! ed.

SWAZILAND: Swazi Music Radio, 4980, no-data verie letter in 2 months for 2 IRC's and EE rpt on EE xmsn. (Conover-PA).

TWR, 4790, f/d folder card in 1 month for EE rpt and mint stamps which weren't used on the reply. V/s Mrs. E. Platt. (Wootten-ITALY).
SWEDEN: R. Sweden, 9695, f/d blue map card, sked, info leaflet and pennant in 98 days. No rp. (Brindle-PA); f/d "King & Queen" card and pennant in 90 days for 1 IRC. (Rocjwood-OH): 6120, f/d card, sked and pennant in 55 days. No rp. (Hall-NY).

SWITZERLAND: SBC, 15305, f/d "Klausjagen" card in 8 weeks for rpt on II xmsn to SA and 1 IRC. (Brown-MI): 9725, same f/d card in 57 days for 1 IRC. (Schumann-FL): 9535 (via Sarnen), f/d black/white card w/xmtr site as requested in 15 weeks. All I need now is Lenk!! (Cosier-AUST).

TAHITI: R. Tahiti, "Nudie Cutie" card in 3 weeks for 1 IRC, but they forgot to fill in the data! (Rockwood-OH). With that card, do you really care, Henry? ed. 15170, "Naked Native Girl" card in 21 days. (Schneck-MA); same card in 28 days for 1 IRC. (Beaudoin-CT): 11825, same card and sked in 2 months for FF rpt and 3 IRC's. (Cain-LA); same in 1 month. (Sarrazin-CO).

TOGO: R. Togo, 3222, f/d station card in 3 months for FF rpt and mint stamps which were used on the reply. (Wootten-ITALY): 5047, f/d card in 34 days. No rp. (Bishop-PA).

TUNISIA: RVVT, 7275, f/d EE verie typed on a local postcard for EE rpt on AA xmsn. No rp. (Overcamp-SC).

TURKEY: V. of Turkey, 11880, card, sked and flag pennant in 43 days. No rp. (Noonan-WI); f/d "Kelogen" card in 33 days. No rp. (Hall-NY): 9515, card, sked and nice flag in 3 months. No rp. (Cain-LA).

TURKMEN SSR: R. Moscow via Ashkabad, 15385, f/d card in 1 month. No rp. (Rockwood-OH).

UKRAINIAN SSR: R. Kiev, 7150, f/d card, sked and info in 22 days. No rp. (Hall-NY): 15100/11960, f/d cards, sked, monitor card and News From Ukraine in 31 days. No rp. (Poppin-CA).

R. Moscow via Kiev, 7160, f/d card in 4 weeks. (Brown-MI); f/d card in 1 month. (Rockwood-OH): 7165, f/d "Statue" card in 29 days. No rp. (Mayer-IL). Via Vinnitsa, 17880, f/d card and nice note from Lucy Larina in 3 weeks for rpt on African Svc. (Kapinos-MA): 11850/11730, card in 1 month. (Barto-CT). Via Simferopol, 15425, f/d card in 46 days for rpt on African Svc. (Gionet-NB).

UNITED STATES: KGEI, 15355, f/d "San Francisco" card in 64 days for EE rpt on SS xmsn and 1 IRC. Also received a pennant. (Gionet-NB).

WINB, 15185, f/d card in 3 weeks. No rp. (Brown-MI): 17720, f/d card in 101 days. No rp. (Morrison-KY).

WYFR, 6155, f/d card in 20 days. No rp. (Brown-MI); f/d card and sked in 17 days. No rp. (Morrison-KY).

VOA-Greenville, 9590, f/d "Stamps" card in 9 days. No rp. (Alintuck-MA): 6190, f/d card in 6 days. (Kapinos-MA)

VOA-Bethany, 21485, f/d card in 10 days. (Kapinos-MA).

VOA-Delano, 15250, f/d card in 4 days. No rp. (Alintuck-MA).

VOA-Dixon, 17895, f/d card in 5 days. (Kapinos-MA).

V. of the OAS, 9640, plain white card w/all data on front in 13 days. (Alvi-SASK).

APRTS-Bethany, 9755, card in 6 weeks. No rp. (Cain-LA).

WVW, 5000, f/d "Chief Niwot" card folder in 17 days. No rp. (Rubak-IL): 10000, card in 5 weeks. No rp. (Cain-LA).

URUGUAY: R. El Espectador, 11835, f/d logo card w/verie statement in 4½ months for SS rpt and 2 IRC's. V/s Jorge Cubilo, (Vokes-TX).

VATICAN: Vatican Radio, 11700, f/d card in 25 days. No rp. (Noonan-WI): 9605, f/d "Citta del Vaticano" card in 3 weeks. No rp. (Kapinos-MA).

VENEZUELA: R. Juventud, 4900, f/d card in 30 days for EE rpt and 1 IRC. (Rubak-IL).

R. Mara, 3275, personal letter, schedule of advertising rates, large beautiful pennant and a book of matches in 9 months for SS rpt and mint stamps and 2½ months after 2nd f/up. (Lazarus-LA).

ZAIRE: La Voix du Zaire, 15245, letter w/date only in 38 days by registered mail. No rp. Four previous rppts with a total of 10 IRC's were ignored! (Gionet-NB); long FF form letter in 2 months for FF rpt and 2 IRC's. (Vokes-TX).

RANDON NOTES: Some new members are having trouble with the abbreviation "f/d". This stands for "full data" and means that the frequency, time and date were all verified on the QSL. Another abbreviation we may begin using is "cd" for "card". This, combined with the elimination of a few "and's", will give us a line or two more to work with.

Deadline for "QSL Report" is the 15th of the month or the third Saturday from the end of the month, whichever comes first. Material received too late for one issue is held for the next but mail early and don't forget the frequencies.

That's it for this month. Until December....

Bill

YOU DESERVE A BREAK TODAY. TRY POLISH RADIO!

The following report gives all awards issued during the period 1 July 1976 through 30 September 1976. All awards are listed in Chronological order of issue.

AFRICAN CONTINENTAL DXER

James Koren

EUROPEAN CONTINENTAL DXER

David Fargnoli
James Mulvey
Nandor Petrov
John C. Herkimer
Gerry Bishop
Ralph Carbone
Robert England
Adam Gaffin
Bryan Price
Joachim Schreiber
Neil Schulman

EUROPEAN CONTINENTAL DXPERT

Al Sizer
Gerry Dexter

SOUTH AMERICAN CONTINENTAL DXER

John J. Moritz Jr
James Karen

SOUTH AMERICAN CONTINENTAL DXPERT

Al Sizer
Gerry Dexter

NORTH AMERICAN CONTINENTAL DXER

Richard T. Pistek
John C. Herkimer
Richard A. Schwartz
Joachim Schreiber

DXer DE PACIFICA

Lou and Elinor Leistner

WORLD WIDE DXER

Neil Schulman
James Mulvey
Tom Lunstrum
Martin Foltz
Dick Jacobson
Mark Hall
Troy Gower

DX CENTURION

Ira Teitelbaum
Lou and Elinor Leistner

MASTER DX CENTURION

Dan Henderson

ALL CONTINENT QRP DXER

Jim Davis 50 KW
Tom Overcamp 50 KW
Gerry Bishop 50 KW

ECCLESIASTIC DXER

John C. Herkimer
Marlin A. Field

MAPLE LEAF DXER

Gerry Bishop

VOA DXER

Tom Overcamp
Pitt McNeil

SENIOR BRITISH COMMONWEALTH DXER

Bill Whitacre
John Sgrulletta

MASTER BRITISH COMMONWEALTH DXER

Al Sizer
Albert A. Miller Jr.
Richard T. Pistek
Gerry L. Dexter

ARAB WORLD DXPERT

Al Sizer
Richard T. Pistek
Gerry L. Dexter

ARAB WORLD DXER

Bill Whitacre
Albert A. Miller Jr.
Richard A. Schwartz
John Sgrulletta
Ira E. Teitelbaum

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Well, that's all for this quarterly report. It has been an interesting quarter, with some surprises. I would havethought that all the questions would have been answered by now, but still some persist. I would like to insist that for each award application, there be at least 50¢(or 52¢ if 13¢ stamps are sent) for each application--not an arbitrary amount. Also, I would still remind DXers that you MUST put your name on each sheet submitted--if one gets lost or misplaced, you won't be getting your award. This past month has been really difficult for me with work and travel calling me away, but hopefully all of you got your awards.

In the mill is at least one new award, for which details will be coming out soon. Also, thanks to the many people who have suggested specialized awards. Most are very good, and will be challenging to most DXers. Keep those suggestions coming, for when they are good, you can expect that an award will be in the offing!!

See you next quarter.

Dan Henderson
73
Dan Henderson

DX Hotline

November 1976 Frendx Issue

Next deadlines: 11/11, 11/23

•**Editor:** John Moritz Jr. 4145 New Rd., Youngstown, OH 44515 216 792-8627

Topline tip.... Here's one your editor and Ralph Perry managed to dig out last week. Its a goodie, and we think you will like it. I'll let the eloquent Ralpus tell you about it... ECUADOR: 5950^{am}, R. Cuenca, now here as noted at fine lvl 10/22 for first time, 1050-1130 f/o. Be careful, as not the same as the Peruvian, R. Arequipa, up one KC on 5951^{am}. Def. ID encouraged in this tricky area, though for separation and format (Cuenca-a vy rustic sound, much mx del campo; Arequipa-shlocky "big city" sound, "beautiful mx") should provide gud clue. IDs as "R. Cuenca, para todo el pais... Ecuatoriana... el programa principal." Nx from 1105-1130 f/o, using doorbell to separate items. Sousa march hrd twice as pgm theme song. Several IDs, all en eco. Not here before as this area monitored more or less regularly for past couple mo's. Gud to have this one back on air... and at gud lvl! (Ralph W. Perry)... Same format noted by your editor on 10/20! All you Ecuadorian freaks go get em!

TANZANIA - RT 4785, noted from 0305 tune in to 0345 f/o. Soft drum mx was followed by African mx and then what sounded like a speech. All in Swahili. Gud level altho QRM was bad. Not a biggie for most people, but I've been chasin them on 60 meters for 3 years as I could nvr get them on 15435 (Kent Corson, Iowa) Congrats Kit! ed.

SWAZILAND - Swazi Commercial Radio on 2490 kHz from 1600 to 2200 hours GMT. // 1376 and 3223 kHz (Gerry E. Wood, DX Editor Radio RSA)

MONGOLIA - 5053a, R Ulan Bator, tlk by woman at 1240 and mx from 1247. Mentioned R. Moscow at 1300a. All on 10/8 and a new HIC for me! (John Tuchscherer, Wisconsin) Way to go JDT! Wish I could get em. ed.

BOLIVIA - 5965, Radio Nacional Huanuni, 0955-1017 could not believe my ears, but this one heard here with martial/military song, complete with drums at 0955, followed by M in SS, then a nice ID at 1000 for R. Nac. concluding with the words "en Bolivia." Into a couple amts, then some group songs by men and women. At fair level at first, but tapering off in noise to almost nothing by 1017. Pleased with this one! your ed on 10/16

INDONESIA - RRI Kupang, 3550, heard on several morns but best on 13 Oct when they were listenable for over an hour from 1205. Mostly talks in Indo, with Indo pops from 1248-1259 when RRI IS hrd (Corson)... RRI Jakarta, 4805, from 1229-1300 in Indo, chanting and sub cont type mx. Some amnts by a W, IS at 1258 and into nx at 1300. Super strong, but first time ever heard here, even though 4775 is heard often. 4805 was not // 4775 (Corson)

SRI LANKA - SLBC, 11835 heard from 0045-0207 with heavy QRM to 0100 from VOA on 11830. Lots of mx of Eastern variety, including chanting, to 0115. From 0115-0125 a man talked continuously. IDs at 0129 and 0130, then W in unid tlk to 0141, when mx until 0207 f/o (Jim Conrad, Iowa)

MAURITIUS - 9710a, Forest Side strongly believed the one here from 1247 to 1300 plug with very beautiful Indian instrumental music on string instruments. M on at 1253 in Indian lang, presume possibly listed Hindustani, followed by some sort of closing tune in noise. M back at 1259 with final amnt, but missed ID due noise. Lang not FF, and the programming sure fits what has usually been reported here. your ed. 10/24 9709t, Forest Side vy likely the one here 10/14 with poor sig and het w/ 9710, 1245 spot checks hrd YL in lang, FF or Indian, and gone by 1302 recheck (Bill Whitacre, Michigan)

Propagational picks.... I have never been good at this type of thing, but I am going to give it a whirl this time out. Look for the so-so condx of October to give way to good African reception, especially on the lower freos, in the first half of November. We may also be in for some SEAsian goodies during the middle to latter half of the month as well, I hope! Finally, try Greenland on 3999kHz during 2330-0000 period. Just might be there one night!

PAPUA NEW GUINEA - 2376, R. Chimbu, 1202-1206* tuned in to M talking in local lang. Anthem at 1205 and off the air. Only one PNG station to go for me! (Corson 10/14)...2450, R. Western Highlands, 1155-1202*, M talk in Pidgin, chorus singing, s/off anmts by W and off with anthem at 1202 (Corson)

GREENLAND - R Grønlands from 2330 with orchestral pieces. No anmts due severe ham QRM. Unless another station on same freq with same prop characteristics, it's more than just likely this is them. Hrd by me at same time last year (Bill Whitacre) Sounds good to me whit. ed. Oops, that freq is 3999. scusa me! your ed.

THAILAND - RT, 9654, poor sig 1233-1245 with man in Thai news, 1241 Far Eastern music. Lost to VOA splatter 1245. Pleased with this one, and thanks to Andy Robins for tip (Whitacre)

AUSTRALIA - Radio Australia has been announcing over the air that they will resume broadcasting from Carnarvon on 15410 kHz, on 25 Oct. (George Poppin, California)

RADIO RSA DX PROGRAM - English DX Corner sked as follows: on wed. at 1635 2135 and 2305GMT; Thurs at 1435 with repeat of wed program; and Sat. at 1635, 2135 and 2305GMT (Gerry E. Wood, DX Editor, Radio RSA)

NIGERIA - NBC Kaduna, 3396, 0430 s/on with NA and anmts by M in EE. Into Koran chanting (Corson 10/12)

SOMALIA - 11645, Hargeisa presumed, tho tent, as no ID noted, from 1615-1629* in lang; IBA not on here at this time, but checked //s to be sure. Faint but in the clear w/AA type music (Larry Magne, PA via Numero Uno)

GLDXA PLUG - Available from the Great Lakes DX Association, housed in Lansing, Michigan, is a very fine 49mb survey done by the incomparable Andy Robins. The survey covers most everything of dx interest between 5200-7000 kHz, excluding the powerhouses! Available to GLDXAers for a SASE, available to the rest of the dxing public for a SASE and 25¢. Send your order to publisher, Bill Whitacre, 2609 Devonshire, Lansing, MI 48910. Also available from your DX Hotline editor, are GLDXAs fine reviews of the new Autek QF-1 audio filter. These are going fast, so place your order for these with me, not Bill. Same price set-up as above. Included are reviews by Ralph Perry, Edward Shaw, and Bill Whitacre.

ANGOLA - Radio Nacional has been noted testing at 1130 on freqs around 11975 kHz, probably meant to be on 11875 kHz (Richard Ginbey, South Africa, via Sweden Calling DX-ERS, 50Oct76)

ANDORRA - Radio Andorra, 6230, with popular mx prgm and no anmts from 0720-0800 on 9/12. On 9/19 s/on 0610 with FF anmts and mx, fair. At 0644 in FF, EE and Dutch idents just after 0700. Many EE pops, but noise on 9/19 also. Sunday only. (Bryan Clark, John Mainland, and Paul Edwards, of the New Zealand Radio DX League, in the October issue of the New Zealand DX Times bulletin) I guess nobody wants to hear them state-side. hi from your ed!

BELIZE - RB, 3285, from 0127 with man in EE talks, ads for Winston cigs, soul/rock music, and IDs. Also on 10/11 at 0238 with classical music. (Alan Laves, Tropical DX Newsletter, 19Oct76) Tropical DX Newsletter is a great twice a month compilation of some very fine tropical dx news. It is edited by Fred Heutte. Cost is only \$4 per year. Drop Fred a line if you are interested, at 1600 Newton Street NE, Washington, DC 20018.ed

BOLIVIA - 4775½, Rdif. Tropico, hrd 10/12 1004-1032, apparent 1000 s/on, many mentions of Bolivia and several clear IDs for Tropico and t/cks as "6 horas y minutos en Tropico...programa del campo de Bolivia...do patria...presenta por Tropico programa del dia alegria..." Het fromute on low side rough. Mx nothing special, couple of OM and YL duets, accordion songs. I know of no previous Stateside rpts on this one. Be careful of Colombian on fq, plus the other Bolivian listed this fq, Los Andes (Ralph Perry) Bravo! ed.

NEPAL - RN, 3425 noted from 1150-1200 with M in NN followed by usual sub cont type vocal. W on in tlk at 1158. Not a bad sig on 10/24. ye ed

CAMEROUN - R Buea, 3970 from 2145 with African mx on bongos, etc. and occasional pieces of M in FF. Off by 2200, and poor throughout with ham problems (Bill Whitacre)

Thanks to one and all! Keep them logs coming. 73s de john-john *John*

Log

Section A



Report

Ed. Dan Robinson

Almost had to hire someone to help carry all these loggings up to my room this month! An awful lot of reports - KEEP IT UP!! Mid-term exams and the like have kept me too busy, and now that they're over, I'm going to do some real DXing for a change. One of my pet projects has been a new DX/SWL program for the VOA - details on this to follow in an upcoming issue of FRENEX! And on with the show.....

- 2040¹ GUATEMALA R. Miramundo; a new one on SW, first noted 9/22 0321 w/sermon, 0324 hymn merging into romantic mx, 0400* mentioned "Asociacion de Locutores de Guatemala" and gave unreadable M^w freq., presumably 1020; ID as "La Voz del Ejercito de Guatemala" and is listed on SW 6010 though they said 6160 or 6170 (Hauser 9/22)
- 2200 NICARAGUA R. La Lider; 2 x 1100 in SS at 0140-0201 w/M ancr, pop mx, ID as "Desde Managua, Nicaragua, YNQ R. La Lider." (Krueger 9/4)
- 2336 RHODESIA RBC; 0355-0405 in EE, natl mx, RTTY QRM, first time hrd here and // 3306-fair (Mayer 9/17)
- 2390 GUATEMALA La Voz de Atitlan; 0115-0200 SS, tlks, vocals, accordion and guitar mx, orch. mx (Thompson 9/29)
- 2425 RHODESIA RBC; 0355-0405 EE, natl mx, good reception/almost local quality and also first time hrd here; //3395 (Mayer 9/17)
- 2428 PAPUA NEW GUINEA R. New Ireland; 1129-1201* Pidgin, lcl mx, American pops, M w/s-off information 1159 and off w/anthem; suprisingly, when this one is audible other 120 meter PNG's are not (Corson 9/21)
- 2510 REP. KOREA KBC; 1350 in KK, M^w W in conversation (Bryan 9/5)
- 2580 COLOMBIA R. Pipaton; 0205 w/nx from IDELAR, Alka-Seltzer ads (Field 10/2)
- 2790a USSR UNID; Mayak px in RR 1348-1400, Ukrainian song, Moscow time "17 chasov" more songs and chimes; //2795 (Poppin 9/6)
- 2800a USSR UNID; 1402-1419 RR pop songs, (Poppin 9/6)
- 2850 N. KOREA Pyongyang; 1323-1330 in lang., mx, W in tlk (Bogel 9/22)
- 2898 INDONESIA UNID; 1500 Indo, M w/anmts and long slow gamelan piece at 1500, also a non-relay stnl Appears not RRI or RPD. (Cosier-Aust 9/20)
- 2907a JAVA RKPDK-Gresik; 1416 in Indo w/South Sea mx (Young 9/14) 1440 Indo, an absolutely staggering S9+45 dB signal, request px w/names of listeners (Cosier)
- 2919 INDONESIA RPKDK Klaten; 1418 w/Indo talk (Young 9/14)
- 2933 INDONESIA UNID; 1500 in Indo, light mx px through 1500 w/no relays (Cosier 9/20)
- 2966 INDONESIA UNID; 1450 Indo, usual light Indo. popular mx & anmts (Cosier 9/20)
- 3000a USSR Yerevan; 0639-0705 RR, ID at 0655, RR mx and songs, "Microphone px" TC as "10 Chasov" (Poppin 9/6) Is this ID definite, George?
- 3003 INDONESIA UNID; 1452 Indo, speech in Indo by M, het. w/PLA 3000 although easily separable (Cosier-AUST 9/20)
- 3015 D.REP. KOREA Pyongyang; 1355 KK, M in tlk, mx (Bryan 9/5) 1155 in KK, chorus w/patriotic mx, ID (Beal 9/27)
- 3024 INDONESIA RPKDK Kendal; 1412 M voice in Indo., singing at 1412 (Young 9/14)
- 3055 INDONESIA RPKDK Sampang; 1409 light mx and Indo singing (Young 9/14)
- 3074 INDONESIA RPKDK Elora; 1356 pop Indo mx (Young 9/14)
- 3105 INDONESIA UNID; 1336 Indo w/pop mx and anmts, mx past hour - hrd only once here (Young 9/14) Stay tuned for more of the Young Indo. hit parade!!!!
- 3111 INDONESIA UNID; 1407 Indo tlk, pop mx (Young 9/9)
- 3116 INDONESIA RPKDK Serang; 1355-1407 EE pop mx, South Sea mx (Young 9/9)
- 3120 E. TIMOR RRI Dili; 1140 Indo, mx/speeches/general anmts, now back here ex 3395 which seemed to be used only for 2-3 days (Cosier 9/12) 1253 Indo, W w/tlk, 1259 Love Ambon, QRM de UTE (Junqua 9/30) 1335-1405, Indo pop mx, some PP anmts, South Sea mx, conversation in PP by M^w (Young 9/14)
- 3120 USA WAGC Centre, AL; nice signal here all day, 1209 C&W mx, 1211 ID, fundamental 1560 (Hauser-TN) Included because of relation to above(RRI-Dili)....ed
- 3138 INDONESIA RPKDK Cikampek, R. Siaran; light Indo mx & anmts 1353 (Young 9/14)
- 3165 INDONESIA RKP Surabaya; 1351 "Carpenters" song, anmts, lcl IS 1359-1400, ID and gongs (Young 9/14)
- 3200 CHINA FLA; 1043-1201 CC tlk by M^w (Florian 9/20, Bryan 9/26)

- 3204 NIGERIA NBC-Ibadan; 2233-2305* Vern tlk, Afro singing w/string instruments, no ID hrd (Osterman 9/29) 2251-2306* EE rel. svc. w/chorus of rel. songs, M in rel tlk, ID & nx top of hour, NA (Moritz 10/3) 2301-2308* EE, nx by M, tlkg drums IS, s/off information and off with short anthem (Corson 9/28)
- 3205 JAVA RRI-Bandung; 0947-1026 Indo, Islamic chants, W w/amnts, 0956 some subcont. mx, 1005 ID, 1010 pop. mx, 1026 ID (Junqua 10/3) 1208-1231(T) probable nx by M, 1211 vocal mx alternating w/M in tlk (Corson 10/5)
- 3210 MOZAMBIQUE RM; 0405-0445 PP tlk, pop. and light mx, M w/lcl nx 0405-0415 and f/out by 0445 (Nikolich, Abraham, Mayer, Florian)
- 3222 TOGO Lama-Kara; 0442 FF, tlk by W, strong signals but weak audio (Florian 9/12)
- 3223 SWAZILAND SMR; 0345 EE? pop mx, and poor sigs (Mayer 9/17) I assume from past rpts that this is Swazi Commercial Radio...ed
- 3224t BALI & LESSER SUNDAS RRI-Mataram; 1205-1222 Indo sounding lang, M in tlk to 1219, mx, W in tlk at 1221, more mx and gone by 1222; I can only measure to near-east 5kHz, and this stn just shade below 3225--perhaps drifting (Corson 10/8)
- 3240t ECUADOR R. Turismo; 1037-1055 folkloric type vocals and inst. mx Ecuadorian style, M w/SS tlk between songs; very weak and not there at 1107 recheck- listed as 400w; programming not like R. America but will wait for def. ID (Moritz 10/2)
- 3240 SWAZILAND TWR; 0400 Vern, rel chorals (Mayer 9/17)
- 3244 IRAQ R. Baghdad; 0000 AA, tlk, AA mx, mix w/R. Libertador (Tannerwald 9/3)
- 3245 VENEZUELA R. Libertador; 0630 SS, ID, mx, ads (Bishop 9/25)
- 3250 KALIMANTAN RRI-Banjarmasin; 1145-1227 Indo, tlk by M&W, Love Ambon 1159, into nx, lively Indo pops 1225 (Corson 9/21, Mayer 9/20)
- 3250 SOUTH AFRICA SABC; 0350-0430 EE/Afrikaans, mx, ads, Birthday greetings, chimes, (Poppin, Hancock 9/24) 0200-0230 nice mx, commercials-used XCR-30 (Conrad 9/23)
- 3255 VENEZUELA LV del Tigre; 0157 SS, LA mx, ID, tlk (Florian 9/25)
- 3260 ECUADOR LV del Rio Carrizal; 0225-0230 SS, stn amnts, clear ID (Hancock 9/14) 0314-0322* "Musica Nacional" ID as R. Carrizal, s/off w/anthem 0322 (Jones 9/14)
- 3270rf CHINA RP; 1445 EE, back here w/tlks about life of Mao and his works (Cosier 9/16)
- 3275 PAPUA NEW GUINEA R. Southern District; 1150-1155 Pidgin, M w/tlk and choral mx (Mayer 9/21)
- 3275 SWAZILAND TWR; 0351-0406f/o, poor lvl w/rel. px, tlk in lang. (T) ID 0400 (Nikolich)
- 3275 VENEZUELA R. Mara; 0000-0115 mx, TC's, many ID's (Tannerwald 9/24, Field 9/19)
- 3277t KASHMIR R. Kashmir /AIR; 1210 lang, Indian stn here under RRI, w/pips 1230-would indicate Kashmir, but this is never generally hrd until around 1500!! (Cosier 9/17) When in Swaziland, I hrd this (Kashmir) w/AIR programs, always within .5kHz of RRI, w/pips and relays of AIR mx, so what you have here is probably them...ed
- 3280a ECUADOR LV del Napo; 1050 lcl lang, lcl messages, spiritual sung in SS w/jazz orch back-up, off abruptly 1052 (Jones 10/8) 0253 SS, orch. mx, anmt, ID 0301 by M, then LA mx (Florian 10/3)
- 3285 SOUTH AFRICA SABC; 0322-0430 EE/Afrikaans, mx, cigarette ads, ID's (Poppin 9/22, Schwartz 8/30)
- 3287.8 (T) MALAGASY REP RTVM; 1714 lang. W&M in tlk, lcl mx, 1800ID??? UTE QRM-per TBS this freq. may be inactive, but something hrd here and RTVM listed (Junqua 10/2)
- 3290 PAPUA NEW GUINEA R. Central; 0945-1010 EE/Pidgin, sermon-not same as natl net, nx (Hancock 9/26)
- 3290 CHINA RP; 1447 CC, tlks about Mao and his death, gloomy mx (Cosier 9/16)
- 3295 VENEZUELA R. Trujillo; 1030 SS, ID's, LA mx (Yajko 10/2)
- 3300a USSR UNID; 1450-1500 Mayak px, TC Moscow Time-"18 chasov, IS on chimes, mx-Godfather theme, "Rose Marie" 1500 Mayak bulletins //3350a (Poppin 9/6) George, I can't find rpts of this freq for USSR; do you have other sources from your trip?
- 3300 BELIZE RB; 0405 EE, rel. px, ID, mailbox px (Schwartz 9/18) They have since gone to 3285a...ed
- 3300 GUATEMALA R. Cultural; 0246-0430* rel. programming, ID's, mx; other s/off times include 0509* and they stay on past 0445 some nights (9 reporters) 0533-0540 in SS, //R. Maya de Barrillas 3325 (Poppin 9/28)
- 3306 RHODESIA REC; 0400, fair lvl w/EE nx about Africa, ID's, ads, M ancr-measured at 3308 (Nikolich 9/16)
- 3315 MARTINIQUE FR3; 0012-0215 FF, FF tlk by M ancr., mx, nx, piano tunes, amnts (5)
- 3316 SIERRA LEONE SLBS; 2208 EE, mx, mx at 2210 through to 2330* v, Afro mx, rel. mx, BBC Px -"World of Education" sometimes s/off 2336* and 0000* (9 rptrs)
- 3320 SOUTH AFRICA SABC; 0354-0430 Afrikaans, ID, tlk (Poppin 9/27) *0430 w/bird call IS (Abraham 9/15)
- 3322 BOUGAINVILLE IS RB; 1114-1119 group chorals, M in Pidgin tlk, (Moritz 9/26)
- 3325 GUATEMALA R. Maya de Barillas; 1115-1130 Indian lang, rel. px, mx, choir singing (Jones 10/6, Zilmer 9/29, Beal 9/27) 0046 SS, lcl mx, tlk, ID (Florian) 0428 EE rel. px (Poppin 9/27)
- 3325t BRAZIL R. Gazeta; 0000-0018, PP sports event w/tlk between ancr. and someone else at game; singing ads by W, poss. mentions of Gazeta (Moritz)
- 3325 VENEZUELA R. Monagas; SS 0050, LA mx (Yajko 9/27) See R. Maya, 9/27, 0046...ed
- 3335t PAPUA NEW GUINEA R. E. Sepik; 1140 W ancr., US rock mx and country (Jones 9/20)

- 3335 BRAZIL R. Alvorada; 0243 PP, vocals, tlk by M&W (Florian 10/3)
 3340 UNID; mx hrd at 0240, no tlk, poor (Field)
 3345 BRAZIL R. Educ. Uberlandia; 2347-2359 PP, sports event, ID by M dragging out "Uuuuberlandiaaaa" (Moritz 9/15)
 3345 BRAZIL R. Cult. de Sergipe; 0229 PP, vocals, tlk by M&W (Florian 10/3) ID??
 3346 ZAMBIA ZBS; 0408 w/jazzy mx, ID in EE by M as "R. Zambia, Zambia Broadcasting Co." (Nikolich 9/30) 0413-0432 M in EE w/Af. mx px (Abraham 10/3)
 3350 GHANA GBC; 0606 EE, nx, ID (Florian 9/12)
 3352 PERU R. Independencia; 0320-0410 M DJ w/campesino mx-have not seen this one rptd for a while; could not catch ID (Abraham 10/2)
 3360 PAPUA NEW GUINEA R. Milne Bay; 1142-1200* Pidgin, US pop mx, s/off anmts by M, three ascending gongs and off without anthem (Corson 9/12)
 3360 GUATEMALA LV de Nahuala; 1133-1145 SS, LA mx w/anr., ID 1152 (Beal, Jones) 0348 LA mx and tlk (Conover 9/6)
 3375 ECUADOR R. Melodia; 0420-0430 SS, ID by M, Ecuadorian mx (Mayer 10/2)
 3380 MALAWI MBC; 0330-0400 group singing, drum mx, W hosting show in Chichewa? but EE TC as GMT+2 (Abraham 10/1) 0338 EE/Chichewa, Tlk on convention in Elantyre, lcl mx, ID/TC 0345, rel. px in EE (Florian 9/12) 0409 ID in Chichewa (Nikolich)
 3380 ECUADOR R. Iris; 0239 SS, tlk, many ment. of Ecuador, mx (Florian 10/3)
 3380 GUATEMALA R. Chortis; 2343 SS, mx, ID, and comty (Schwartz 9/27) 0311 in SS tlk mx and ID (Osterman 9/7)
 3385 FR. GUIANA FR3; *0900-0930 FF, M in tlk, FF pops (Osterman 9/8, Bishop 10/1)
 3385 VENEZUELA R. Barcelona; *0952 NA, ID, Rumbos net run-down, mx to fade (Abraham)
 3395 SUMATRA RRI-Tanjung Karang; 1400-1500 Indo, NF seems ex 2804 or whatever, and is 774003; 1440 w/Arab mx, into Jakarta mx 1500 after ID (Cosier 9/13) Indo anmts, conversation, very strong most AM's here (Young 9/16)
 3395 UNID; Koran 0433 w/M in FF tlk after-some help needed on this (Abraham 10/2)?
 3396 NIGERIA NBC-Kaduna; 2249-2306* vern/EE, Afro singing, nx 2300, s/off info by M at 2305 and off w/short anthem (Corson 9/30)
 3396 RHODESIA RBC; *0355-0430 EE, rel. tlk, ID, nx and ads (Mooney, Hancock, Lineback)
 3400 CHINA PLA; 1147 w/tlk in CC by W (Jones 9/20)
 3425 NEPAL RN; 1307 Nepali tlk by M&W, mx (Bryan 9/13)
 3433 INDONESIA RPKD Kediri; 1421 pop Indo mx, anmts 1430 (Young 9/14)
 3450 USSR UNID; 1503-1515 RR, evidently broadcast to Mongolia, spoke of Mongolian people, Mongolian leader Ben Toopila (Poppin 9/6)
 3453 LESSER SUNDA RPKD Bima; 1436 light Indo mx, bad het Beijing 3450 (Young 9/17)
 3459 UNID; 1420 an Indo here with South Sea mx, anmts, Indo pop mx (Young)
 3473 INDONESIA RPKD Jombang; 1427 Indo mx and anmts (Young 9/14)
 3484 INDONESIA RPKD Pemekasan; from 1344 C&W mx, tlk, lcl IS 1400, ID, Xmtr troubles or off at 1406 (Young 9/9)
 3509 INDONESIA UNID; may be R. Niaga dan Budaya, Indo tlks by M&W 1525-1532*; this is the first time I've hrd this, and s/off and freq. are close to listed of Niaga dan Budaya - beware of 3511½ (Cosier 9/13)
 3511½ INDONESIA UNID; 1400 Indo, seems RKD, so Jawa Barat?? Relaying RRI nx 1400, not Semarang, Denpasar, or Surabaya; 1400 TC's for Bagian Barat then into own px 1415 w/ID which varies-"RPD Tingat 2, RKD Tingat 2...." (Cosier 9/13)
 3522 MALDIVES R. Maldives; 1448 Maldivian, at long last, real Indian mx 1448 to 1459 when W anmt and triple gong hrd, then s/off; sounds more like .16kw then 161 If 4740 is 30kw then I guess this is 511 (Cosier 9/13) Nice going, Geoff- just a note; when in Swaziland I hrd them at 54444 levels almost every day....ed
 3550 TIMOR RRI-Kupang; 1058-1126 South Seas type mx, then M in Indo tlk, presumably the mx; gone by 1106; also noted 9/20 1100 M in Indo nx (Moritz 9/11) 1145-1155 Indo, W in Indo tlk, no ID hrd (Mayer 9/20)
 3850 TIMOR: Cf. DXH Oct. Mid - The E. Timor stn here is still active and has not been replaced by RRI-Dili on 3120 which is still being hrd..... PP to 1400* w/light mx (continuous), under-modulated anmts at s/off (Cosier 9/18) 1342 in lang tlk w/chants (Bryan 9/9)
 3900 CHINA RP; 1445-1456* in Mongolian, overseas svc of RP //4813, though weak, hrd while PLA absent from freq at this time (Cosier 9/23) I would think that this would be "Manchuria"/it's listed as Mongolian on that freq, that time, but we usually get PLA here....ed
 3905 KALIMANTAN RRI-Palangkaraya; 1239-1300 Indo, tlk, 1240 ID, lite mx & lots of tlk, Love Ambon 1259 and nx at 1300 (Junqua 9/26) 1517* Indo s/off anmts after Jakarta nx, then usual Kroncong mx to 1517*-over India (Cosier 9/18)
 3905 ADMIRALTY IS R. Manus; 0808 EE nx, into South Sea mx, vocal and guitar past 0830, then lcl nx? (Young 10/7)
 3910 JAPAN FEN; re:LR-A Sept, 0900-1800 in EE, is still here, never not heard; usual EE anmts and lots of pop mx, nx on hour (Cosier) Sept rpt was mistaken freq.....ed
 3915 MALAYSIA BBC-Tebrau; 1411 in Burmese, M in tlk (Bryan 9/5)
 3925 PAPUA NEW GUINEA Port Moresby; 1215 EE, symphony orch to 1230 into nx by M, mix w/NSB (Beal 9/21)

- 3930 CAPE VERDE IS R. Barlavento; 2340 w/M in passionate PP speech to crowd, mx and PP vocals 2346; ham QRM knocked them out 2350, into NA and off 2358(Moritz)
- 3940 CHINA Wuhan; 1100 CC, tlk by W, "Internationale" (Bryan 9/26)
- 3965 SOUTH AFRICA SABC; 0439-0449 EE, usual px, mx, ID's (Poppin 9/13)
- 3970 GT. BRITAIN BBC; 0615 EE, review of the Press (Brown 9/15)
- 3980 SOUTH AFRICA SABC; 0305-0445 EE/Afrikaans, mx, ads, ID's, chimes (5 rpters)
- 3985 ECUADOR Escuelas Radiofonicas Pop; 1038-1045 in Indian lang by M, ments of Ecuador; some folklorico mx (Moritz 9/16)
- 3990 LIBERIA VOA; EE 0500-0510 ID, into nx (Cain)
- 3990 PAKISTAN RP; *1500-1540 Urdu nx at 1530 after ID (Cosier 9/13)
- 3995 KALIMANTAN RRI-Pontianak; 1510* Indo, s/off as Palangkaraya 3905; in clear w/no USSR noted then (Cosier 9/16)
- 3995t ASIATIC SSR Kyzyl; under other RR stn at 1230-1300, TC not exactly at 1400; other stn had Malay IS, Kyzyl had brief anmts, then piano mx (Young 9/18)
- 3995 SOUTH AFRICA SABC/R.RSA; 0400 EE, Good Morning Africa, mx, cmtly (Klassman 9/16, Lineback 9/25, Poppin 9/19) //7270,5980 per Poppin....
- 4003 SUMATRA RRI-Tanjung Karang; 1526 Indo, AA sounding chants //3395 w/ID 1530(Cosier)
- 4040a USSR UNID; 1407-1431 RR, mx px (Poppin) Is this // 4050 George?
- 4055 USSR UNID; 1320 RR, TC as "16 chasov 25 minoot" RR cmtly (Poppin 9/25)
- 4068 CHINA Huhehaote; 1113 W w/tlk in Mongolian (Bryan 9/26)
- 4300 LESSER SUNDA IS RRI-Mataram; 1356 Indo singing, buried by RTTY/CW (Young 9/18)
- 4380 CHINA FLA-Fuzhou; 1123 CC, W in tlk (Bryan 9/26) Sorry, this one out of order..
- 4340 UNID; 1250 light mx, probably Far East or Western Indo stn; maybe a RM feeder but in SSB; 1311* (Young 9/22)
- 4376 CELEBES RPKD Soppeng; Indo tlk, light mx 1252 (Young 9/22)
- 4419v UNID; 1340-1358 probably FE, highly doubt Kokchetov, Kazakh; gone at 1400, was on 4420 sometimes (Young 9/18)
- 4467 UNID; RR here, mx, Malay at 1400, RR nx by M & W (Young 9/18)
- 4485 USSR Petropavlovsk; RR HS w/Vladivostok relay to 0845, mx to 0900 w/TC & Pacific Ocean IS & ID (Brookwell 9/22)
- 4520 USSR UNID; 0650-0703 RR, EL mx, W ancr, some jazz mx, M in tlk 0700 (Bogel 10/2)
- 4526 CHINA Tungsheng; CC tlk by W 1310 under RTTY (Young 9/18)
- 4588 UNID; RR here 1018, Malay IS at 1029-1030-feeder? (Young 8/23)
- 4600 INDONESIA RPKDK Trenggalek; Indo tlk 1310 (Young 9/22)
- 4603 IRIAN JAYA RRI-Serui; drum mx and singing 1314 (Young 9/22)
- 4633 UNID; violin mx 1316, is not Dushanbel No break at 1400. (Young 9/22)
- 4663 UNID; RR here 1326 w/w voice, no break 1400. (Young 9/18)
- 4668 BOLIVIA La Voz de Yacuma; 0221-0305* Bolivian mx, SS anmts, many mentions of Santa Ana and Yacuma, possible ID's (Young 9/12) Nice one, Jim...
- 4698 JAVA RKIT-Surabaya; 1148-1152 Indo, W in tlk, Indo type pop mx, weak (Corson 9/15)
- 4725 BURMA EBS; 1135 tlk by W in lang, Burmese mx, M also in tlk (Bryan 9/26)
- 4750 SARAWAK RM-Kuching; 1440 in EE w/mx-"I Wish I Were a Rich Man"; M&W anc's w/nx, F-G (Beal 9/12)
- 4752 ECUADOR R. Centinela del Sur; 2300 in SS w/ID, ads (Bishop 9/6)
- 4755 BRAZIL Rd. Maranhao; 0200-0305 in PP, Brazilian pop mx, w/M DJ, several ID's (Newman 9/29)
- 4755 COLOMBIA Em.Nuevo Mundo; 1030-1100 SS, LA mx, tlk by DJ, CARACOL anmts (Zilmer, Newman) 0245-0345 LA mx, M ancr, full ID 0335, then more mx(Beal 10/2, Earhart 9/23, Ravenhorst 10/9) 0631, SS, M w/nx, ID (Osterman 9/9)
- 4759 CHINA Kunming; 1149 in CC w/tlk by W, and a M (Bryan 9/26)
- 4760 VENEZUELA R. Frontera; ID, calls, freqs, NA and off at 0259* (Jones 9/25)
- 4764 INDONESIA RRI-Medan; 1300 in Indo, mx w/W DJ, M w/nx after Love Ambon (Bryan)
- 4765 COLOMBIA R. Catatumbo; 0430-0500 SS, LA mx, ID's (Cain)
- 4765 CONGO LVR; 1810 in FF tlk by man, CW QRM (Wootten 9/23) 2145-2150* in EE drum mx, ID."Voice of Congolese Rev" (Schwartz 9/20) 2228 FF, native mx, W in tlk, ID 2230 (Florian 10/3)
- 4770 VENEZUELA R. Bolivar; 1030 in SS, tlk and LA mx (Zilmer 9/26) 2301-0250 LA mx, ID's, tlk and mx (Filka 9/20, Wolfish 9/12, Florian 9/28)
- 4770 LIBERIA ELWA; 2145-2300* in EE, rel. px, 2210 VOA African nx, gospel mx, NA and off (5 rpters)
- 4777 GABON RTVG; 2215 FF tlk, Af. mx, ID 2224 (Snyder 10/6) 2255 in FF, mx, XMTR trouble-carrier cut many times (Florian 9/27) 4776.5 (Lineback 10/2) 0520 w/M in tlk, Af. mx (Bryan 9/7)
- 4780 KARELO-FINNISH SSR Petrozavodsk; 0400-0405 RR nx by M, 0405 brief orch. mx, then M & W in RR w/tlk; // 5065 (Shingler 10/8)
- 4780 AFARS & ISSAS Djibouti; *0300-0303 drums IS, 0303 M w/Koran; good signal! Best ever, all stns in strong that night from that area (Shingler 9/30)
- 4780 VENEZUELA LV de Carabobo; 0224 w/LA mx, SS tlk (Jones 9/16)
- 4780 DOM REP. R. Norte; 0245-0304 in SS, LA mx, ads, ID's, s/off 0304 (Cain)
- 4783 MALI R. Mali; FF tlk by M 0625, songs (Bryan 9/22) 0420-0435 w/AA sounding vocals, Koran, 4785t (Lineback 9/26)

- 4785 IRIAN JAYA RRI-Fak Fak; Cf. October LR-A, should have been listed as 4790, my error (Dan Shingler)
- 4785 AZERBAIJAN SSR Baku; 1813 discussion program in Azerbaijani (Wootten 9/23)
- 4790 IRIAN JAYA RRI-Fak Fak; 1140-1202 Indo, C&W type vocals, Indo style inst. mx, "Love Ambon" 1159 and into mx by M (Corson 9/17)
- 4790 ECUADOR R. Sistema de Em. Atalaya; 1045 in SS, rel. mx and sermon by M (Beal) 0314 SS tlk, w/mx (Conover 10/3)
- 4790 PERU R. Atlántida; 0030 SS, for 1/2 hour with constant "atencion" w/some "saludos" (Tannenwald 9/17) 0313 ID, TC, LA mx (Jones 9/25) 0447 (Wootten)
- 4795 BRASIL R. Tabajara; 0315-0415 in PP, mx, ID 0347-hasn't been rptd in a while so maybe irregular operation (Cain)
- 4800 VENEZUELA R. Lara; 1002 in SS, ID, mx, UTE QRM (Jones 10/8) 0130-0248 LA mx, ID's (Earhart 9/16, Yajko 9/25)
- 4807v SAO TOME & PRINCIPE R. Nac; 2204 Af. mx, 2205 W in PP tlk (Shingler 9/20) 2303 in PP, ver weak anthem followed by c/off (Florian 10/2) Noted here 4806.2v...ed
- 4805 BRASIL R. Dif do Amazonas; 0912-0929 PP, clear ID's, ads, TC, and Brazilian mx (Jones 10/6, Zilmer 9/13)
- 4806 BRASIL UNID; 0222-0235 in PP excited anc w/futbol match; believe Itatiaia; (Earhart 9/23)
- 4810 GALAPAGOS IS LV de Galapagos; 1222 string mx, fading fast (Jones 9/25) 2340-0403vs/off, good mx, Andean mx, classical mx, seagull IS/ID by M at intervals, px of "Musica Romantica" IS and NA at close (12 reporters!)
- 4810t ARMENIA Yerevan; 1815 continuous classical mx (Wootten-Italy)
- 4815 UPPER VOLTA RTV-Voltaique; 2230-2252 in FF, native mx, brief anmt, tlk by M, poss. mention of "Voltaique" very weak (Conover 10/2, Florian 9/27) 0555-0618 FF, pop mx, and tlk in FF (Bryan 9/22, Schwartz 8/30)
- 4820 HONDURAS HRVC; 1045 SS, rel. px, ID at 1100, organ mx (Tannenwald 9/17) 0236-0258 SS, rel. px, EE px started 0300, sermons, ID, mx (6 reporters)
- 4820 VENEZUELA R. Tricolor; 0440 SS tlk, mx, singing ID (Wootten 9/23) 0612-0630 ID's, mx (Bishop 9/25) 0900 mx and tlk in SS (Tannenwald 9/24)
- 4825 TURKMEN SSR Ashkebad; 1822 pop mx, cmt in RR (Wootten 9/23)
- 4825 GUATEMALA R. Mam; 0110-0242 in vern tlk, w/lots of mentions of Guatemala, much QRM, ID (Cain)
- 4825 DOM REP LV de las Fuerzas Armadas; 1000-1120 SS, ID's inst. mx, cmt by M, pop mx (Krueger 9/6, Jones 9/26, Newman 9/25) 0310-0400* EL mx to ID and NA at s/off (Bishop 9/7, Cress 9/22)
- 4830 PERU R. Apurimac; presume this one is Apurimac as mx was of that type, hrd 0425-0500* but not hrd next evening (Field 9/9)
- 4832 COSTA RICA R. Relej; 0900-1000 in SS, ballads, ID's, ads, still mentions of Capital (Davenport 9/8) 0013-0215 mx, M w/ID 0100, then mx and tlk (Yajko 9/27, Trautschold 10/6, Field 9/11)
- 4835 SARAWAK R. Malaysia; 1155 in Malay hrd w/M in speech, audience (Bryan 9/26) 1323-1410 in lang, Koran type chanting, M in tlk mentioned "Indonesia" but not sure of ID; (Bogel 9/16)
- 4840 CHINA UNID; 1143 either FLA or Harbin J.K.T. in CC, the International, Tlk at 1145 by W (Florian 9/20) 1134 W in tlk, sounds like FLA (Jones 9/26)
- 4840 VENEZUELA R. Valera; 0330 mx px w/DJ in SS, ads (Brookwell 9/9)
- 4840 PERU R. Andahuaylas; 0400-0440 in SS, campesino format, real authentic Peruvian mx, ID's about every 5 songs (Newman 9/27)
- 4845 MAURITANIA Rdif. Nationale; 2045-0003 w/AA chants, local mx, AA tlk by M (5 reporters) *0600-0705 AA/FF chants from Koran to 0640, ID, then back to mx; nx at 0700 (Schwartz 8/30, Ravenhorst 10/9)
- 4845 BOTSWANA RB; *0357-0415 NA, s/on with ID's in EE and Setswana, tlk by W and into Af. mx, guitar mx, etc. (6 reporters)
- 4850t CHINA RP; 2245 W and M in CC, covered by co-channel UTE by 2255 (Shingler 9/25)
- 4853v YEMEN R. Sanaa; 1450-1510 w/AA mx and amts (Young 9/14) 1625 in AA, oriental chants and mx //9780, heavy UTE (Junqua 10/4) 1827 chants, tlk, mx (Wootten 9/23) 0305 w/Koran by M, good signal (Shingler 9/25)
- 4855 BRASIL RC do Para; 0151-0333 songs and inst mx, ID's, pop mx and tlk by M, ID 0300 w/ads (Earhart 9/16, Florian 10/3, Bryan 9/27)
- 4860 USSR RM; 2042 RR, good mx except when country and western songs were played (Wootten 9/27) What, you mean you actually dislike C&W??..ed
- 4860 VENEZUELA R. Maracaibo; 2300 SS, mx and ID's, TC's (Tannenwald 9/24) 0445 w/DJ in SS tlk, LA mx (Brookwell 9/10)
- 4865 BRASIL R. Soc Feira de Santana; 2215-2300 w/M in tlk, pop mx, ID's, ads-how does anyone here the Azores? (Abraham 9/24) Nobody does, lately...ed
- 4870 BENIN LVRB; 2040 through to 2300* w/Af mx, ID's in FF, FF cmt and political tlk, military type yelling; tributes to Mao w/Chinese opera mx-strongest African station as of late (15 reporters!!)
- 4870t VENEZUELA R. Tricolor; 0340-0400a* bells, ID's, NA at s/off (Davenport 9/9) More correctly, I think Tricolor, according to above under 4820 is not here....ed

- 4875 BOLIVIA La Cruz del Sur; 0039-0145 SS, mx, tlk, px from R. Nederland, ID 0100, into classical mx, tlk (Field 9/12, Florian 9/20, Bishop 10/3)
- 4875 COLOMBIA Ecos del Combeima; 0303 SS, ID, into "Super noticias" with much fanfare; seems somewhat irregular (Jones 9/30)
- 4880 VENEZUELA R. Universo; 2310-0345 SS, LA mx, anmts; 0206 ID, calls, freqs, TC, LA mx (Jones, Mann, Bishop, Tannenwald)
- 4880 ZAIRE LVZ; 2258-2306 FF mx and ID (Wolfish 9/16)
- 4885 COLOMBIA Ondas del Meta; SS 0500 usual LA mx and ads, bad het (Brookwell 9/10)
- 4885 UNID; 2028 tlk in vern/FF...mx seems to be RR (Uzbekistan, Turkestan type), but Novosibirsk s/off 1 hour before (Wootten 9/22)
- 4890 VENEZUELA Rdif Venezuela; 0130-0500 US pop mx, LA mx, ID's as "La Estacion de la Alegria" ads (5 reporters)
- 4890 PAPUA NEW GUINEA Port Moresby; 0736-1229 in EE, "Late Night Show" M DJ w/C&W mx and US pops, 0800 TC as "six o'clock"; natl rx 1000 in Pidgin, singing by choir (7 reporters)
- 4890 SENEGAL Rdif. du Senegal; 2038-2309 FF, light mx, tlk by M, cheers by crowd, lcl mx, also AA style mx (Wootten, Florian, Wolfish) 0703-0710 mx, ID, Af. mx (Muszynski 9/12, Schwartz 9/6)
- 4895 COLOMBIA Brisas del Citara; 0232 ID, LA mx, hrd previously for about a week w/TC's, SW freq, mentions of Quibdo; ID finally hrd mixed with rapid-fire SS anmts (Jones 9/30) 0415-0508* giving freqs, LA pop format (Lineback 10/2)
- 4895 TURKMEN SSR Ashkabad; 1834 M and W in tlk, mx (Wootten 9/28) Lang is RR...
- 4895 COLOMBIA R. Progreso; On 9/25 s/off 0406; ID not as s/off but at other times in mx px (Field 9/25) See above, Brisas del Citara...ed
- 4895 SARAWAK RM; 1435-1500* in lang, guitar, pop rhythms, anthem at s/off (Poppin)
- 4896 MOZAMBIQUE Beira; 0505 in FF rx (Snyder 9/19) David, are you sure abt this FF mx????? If this is Mozambique, I doubt FF....ed
- 4900t BURUNDI R. CORDAC; 0330-0345 pops, mx, hrd no anmts, very strong at 0330 but faded by 0345 (Shingler 9/30)
- 4900 VENEZUELA R. Juventud; 2330-0220 SS tlk by M DJ, LA mx, US pops, Beatle's mx, (Conover 9/6, Brookwell 9/12, Bishop 10/5)

That's it for this month - a lot of UNID's - let's try to clear them up. This shouldn't be too hard with so many ace DX'ers out there, hi. Just a couple of missorts below.... And one more thing - La Voz de Galapagos has a mailbag program during which they read letters from overseas listeners, so if you want to hear your name from San Cristobal, give a listen!

73'sssss, Dan

- 4602 LAOS Lao National Radio; 1320 in Laotian, mx, tlk by M (Bryan 9/13)
- 4680 ECUADOR R. Nac. Espejo; Ecuadorian mx 0230-0502, ID, TC's, (Bishop, Bogel, Earhart)

HELPING HAND: For sale. Drake SPR4, 23 crystals including all SWBC and Ham bands, Ms-4 included. \$500 or best offer. Bob Slowey 132 Nanti, Park Forest, IL 60466, 312-748-4924.

Jay Golden of Chicago recently talked to Heath kit design engineer Joe Schaefer; and he said they have only 4 SB-313 kits left in their warehouse for sale, at the catalog price, even though not in the most recent catalog these last kits may still be ordered.

HELPING HAND: For sale. SX-190, clean, worked well. Has crystals for 4.6 and 21.4 MHz bands. Additional crystal for 11.0MHz band included but not installed.; speaker also included. \$190. F.O.B. Chicago. Contact: Jay Golden, 6230 N. Kenmore, Chicago, IL 60660. 312/973-3465.

HELPING HAND: For sale. Extra clean R-390A-URR aligned, calibrated & new tubes. \$400 plus \$20 motor freight Larry Brookwell 1826 Cypress, San Diego, CA. 92154, Tel. 714-429-9728 Manual included.

Log

EDITOR:
SAM BARTO

SECTION B....4900 - 6200 kHz.

Report

DESIGN: MALARDALENS RADIOSALLSKAP
SWEDEN



- 4904.5 CHAD RNT; N'djamena, *0430-0600 in FF w/ flute mx, drums, radio plays. Ute present at times. 2230 Af mx. (7 reporters).
- 4905 BRASIL R. Relogio; 0903 in PP w/ usual format of pips, commercials and promotions. (Cosier-AUST).
- 4905 ETHIOPIA ETLF; *0355-0415 in Amharic w/ drums and EE ID followed by a pgm in Amharic. (Newman 9/11). 0259-0320* w/ rel. pgm. (Young). 0324* w/ Af mx and ID. (Cain). Seems a little confusing with the sign on and sign off times varying as above.
- 4908 KHMER REP; Radio Phnom Penh, 1100-1130 in lang. w/ strange wailing songs and flute mx. Sometimes fighting a ute on 4908. (Moritz).
- 4910v GUINEA; Rdf. Nationale, 2213-0000 in FF w/ Af mx and pol. cmntry. (Schwartz, Lineback, Florian). 0601-0712 in FF w/ singing. (Bryan, Barto). 0412 in FF and 2253 w/ Af mx on 4913 (Nikolich).
- 4911 ECUADOR; Em. Gran Colombia, 0247-0548 in SS w/ band mx and ID's. (Osterman, Bryan). *1100-1117 in SS w/ nx and short tunes (Moritz).
- 4911 ZAMBIA; ZBS Lusaka, 0401 in EE w/ nx on South Africa (Mayer). 0537-0605 in vern. w/ instrumentals and singing (Ravenhorst 10/9). Also 1837 in vern. (Wootten-SARDINIA). Listed as tentative by Conover and Schwartz from 0507-0651 w/ chanting, singing and drum mx.
- 4915 BRASIL; Rdf. Macapa, 0149* w/ ID in PP (Field 9/12).
- 4915 BRASIL; R. Anhanguera, 0305-0325 in PP w/ "Penny Lane" by the Beatles, full ID at 0315. (Ravenhorst 10/9).
- 4915 CHINA; Nanning, 1134-1139 w/ usual CC ranting and W anncr. (Moritz).
- 4915 GHANA; GBC, Accra, 2132-2230 in EE and in vern w/ singing, chanting drums and some religious mx thrown in. 0558-0655 in EE w/ cmntry on development and social problems, singing and flute mx. (7 reports).
- 4915 KENYA; VOK, *0300-0332 in Swahili w/ anthem, a local tune and then nx by a M. some choral mx. (Cress, Shingler, Abraham, Moritz).
- 4920 AUSTRALIA; VLM4 Brisbane, 0710-0800 in EE w/ educational tlk. Carries sports at times. (Bogel, Hancock).
- 4920v ECUADOR; R. Quito, 1030-1050 in SS w/ classical mx. (Camillo 10/1). 0115-0145 in SS w/ mx and ads. (Tannewald 9/18). 0222-0503* in SS w/ Andes type mx, ID's and what sounded like the "Indian Love Call" on a synthesizer at sign off. (Bogel). Sure it wasn't AltheSizer? (Drennan, Conover, Earhart). Station also reported on 4923.
- 4920 HONDURAS; R. Progreso, 0230-0245 in SS w/ mx and ads (Bishop 9/25) 1100-1125 in SS w/ ID's, nx and mx (Camillo 10/1).
- 4920 UKRAINE; R. Kiev, 2024 in GG w/ tlk. IDed as R. Moscow (Wootten-SARD)
- 4924 CHINA; Haerbin, 0715-0720 in CC w/ mx and tlks. (Wolfish 9/12).
- 4930 ECUADOR; R. Casa de Cultura, 0245 in SS w/ LA mx and ID (Bishop).
- 4930 GEORGIAN SSR; R. Tbilisi, 2022 in RR w/ local mx. (Wootten-SARDINIA). 0259-0300 w/ Mayak IS, pips then M & W in lang. (Shingler 10/1).
- 4932t VIETNAM; Hanoi, 1139-1202 in VV? sing song and martial mx w/ tlks by a W (Moritz 9/26).
- 4935 BRASIL; R. Capixaba, 2300-2310 in PP w/ rock n' roll mx and ID's. (Mayer 10/2). 2232 in PP w/ sporting event (Florian 10/3).
- 4940 IVORY COAST; RTVI, 2217-2256 in FF w/ local and pop mx. 0615 in FF w/ local mx. (7 reporters).
- 4940 UKRAINE; R. Kiev, 2020 in RR w/ orchestral mx and tlk by a W. Over RTVI. (Wootten-SARD). 0500 in RR w/ classical mx. (Shingler 10/8).
- 4940 VENEZUELA; YVPA R. Yaracuy, *0956 in SS then into nx. (Jones 10/2). 0030-0230 in SS w/ vocals, tc's, LA mx. (Tannewald, Trautschold).

- 4945 COLOMBIA; HJDH R. Colosal, 0100-0502 in SS w/ LA mx, tlks, ID's and nx. (Bryan, Trautschold, Drennan, Wootten-SARDINIA).
- 4950 SARAWAK; RMS, 1211-1220 in EE w/ nx and straus waltz (Bryan 9/26).
- 4955 INDONESIA; RRI Banda-Ajeh, 1200-1215 in II w/ nx and cmntry (Mayer).
- 4965 COLOMBIA; HJAE R. Santa Fe, 1013 in SS w/ mx and ID's (Yajko 10/2).
- 4970 SABAH; RMS, 1335 in EE w/ nx and mx (Bryan 9/6).
- 4970 VENEZUELA; YVLK R. Rumbos, 0315-0503* in SS w/ LA mx and tlks, NA at close down. (Poffin, Bryan)
- 4972 CAMEROON; R. Yaounde, 2016-2304 in FF w/ local mx, tlks, Af pops, (Wootten-SARD, Wolfish, Lineback). 0410-0510 in EE/FF. Nx in EE at 0410, 0530. Their EE pgms bounce around a little. (Florian, Schwartz).
- 4975t BRASIL; R. Timbira, 0905 in PP to fade out at 0920 mixing with a RR station. Typical LA format. (Cosier-AUST).
- 4975 COLOMBIA; 0303* w/ musical pgm in SS (Field). Ondas del Orteguaza has been reported signing off around 0300. Sam.
- 4975 PERU; R. del Pacifico, 0335-0350 in SS w/ rel mx and sermon (Mayer).
- 4980 GHANA; GBC, Ejura, 2012 in EE? w/ easy listening mx (Wootten-SARD). 2156-2304* in EE w/ rel pgm, speech on Zimbabwe. IDs as "GBC-2" (Lineback, Ball, Drennan, Florian, Dvoracek).
- 4980 VENEZUELA; YVOC Ecos del Torbes, 0948-0952 with sign on varying. Mentions YVOD-780 and YVZN-5960 at sign on. (Osterman, Jones). 0245-0342 in SS w/ LA mx, tc's, ID's (Poppin, Drennan).
- 4985 BRASIL; R. Brasil Central, 0730 in PP w/ LA & US vocals (Brookwell). 0540-0601 in PP w/ same format as above. (Bogel).
- 4985 INDONESIA; RRI Ujung Pandang, in II from 1105-1125 w/ nx by a W, pop selections played. (Moritz).
- 4986 MALAYSIA; R. Malaysia, Penang, 1220-1235 in BM w/ tlks, some EE a possibility, (Lineback).
- 4990 CHINA; Changsha, 1210 in CC w/ tlks by a M (Bryan 9/26).
- 4990 NIGERIA; NBC Lagos, 2237-2306* in EE w/ Af mx and sign off with NA. (Lineback, Ball, Florian). 0429-0540 in EE w/ Af rock request pgm, talking drums. (Conrad, Bryan). Sounds like Swazi format.
- 4990 VENEZUELA; YVMQ R. Barquisimeto, 0008-0320 in SS w/ many ID's, LA mx and a DJ pgm. (Bishop, Bryan).
- 4990 UNID; 2010 in GG w/ W giving numbers. QRM from Yerevan (Wootten-SARD)
- 4995 PERU; R. Andina, 0508-0520 in SS w/ Andean mx, ID's, vocals, yells and shouts. (Florian, Osterman).
- 4996 EUROPEAN RUSSIA; RWM, time station 0310 w/ CW ID and pips. (Young).
- 5000 USA; WWV back with propagation forecast at 18 after each hr. (many).
- 5005 SARAWAK; RMS Sibau, 1217-1230 in Iban/EE w/ mx, EE ID. (Lineback, Bryan)
- 5010 CAMEROON; R. Garoua, 2148-2200* in vern. w/ Af mx, tlks, off with NA. (Snyder, Florian). 0417 in EE // 4972 (Schwartz). Now thats news!
- 5010 SINGAPORE; R. Singapore, 1135-1145 in EE // 5052 w/ nx (Mayer).
- 5015 ASIATIC RUSSIA; R. Vladivostok, 0720-0735 in RR (Bogel 10/2). 1200-1340 in RR w/ pips, piano mx. (Poppin 9/25, Jones 9/25).
- 5015 BRASIL; R. Cultura de Cuaiba, 0203 in PP w/ pop mx, ads (Florian). 0900 in PP w/ ads and tlks by a M (Zilmer).
- 5015 BRASIL; R. Pioneira de Teresina, 0150-0230 in PP w/ US and local pop tunes. This one may of increased its power as it is heard nitely now. (Abraham 9/16).
- 5015 KARELO-FINNISH REP; R. Arkhangelsk, 0405-0410 in RR w/ tlks by a M and a W along w/ orch. and classical mx. (Shingler 10/8).
- 5020 COLOMBIA; Ecos del Atrato, 1105 in SS w/ tc's and ID (Abraham 10/1). 0215-0330 in SS w/ LA mx, chimes, ID's, (Earhart 9/11, Jones 9/11).
- 5020 NIGER; ORTN Niamey, 0535-0610 in FF w/ chanting and nx (Cain, Conover)
- 5022 BURMA; BBS Rangoon, 1528-1559* in EE w/ lite mx. Only one day on this frequency. (Junqua 9/25).
- 5030 DOMINICAN REP; La Nueva Voz del Papagayo, 0405-0412* in SS w/ ID's and anmnts. Listed for 24hrs? (Hancock 10/4).
- 5030 SARAWAK; RMS, 1237 in Bidayuh w/ local mx and tlks by a M (Bryan).
- 5030 VENEZUELA; R. Reloj Continente, 0040-0330 in SS w/ sports, LA mx, gongs, orch. mx. (Bryan, Thompson, Earhart). 0700 in SS w/ sports pgm. // to other Venezuelan stations. (Cosier-AUSTRALIA).
- 5035 KARELO-FINNISH REP; Petrosklav, 1145-1155 in RR // 4780 w/ operatic aria and tlks by a W (Mayer). Sure not Alma Ata at this time?
- 5035 KAZAKH SSR; R. Alma Ata, *0000 w/ IS then W and M in nx (Shingler). *1630 in CC w/ the R. P&P pgm. (Wootten-SARDINIA).
- 5038 CEN. AFRICAN REP; RNC Bangui, 2200-2259* in FF w/ pop mx and vocals along with hilige mx. (6 reporters). 1840 in FF w/ political tlks. (Wootten-SARD). 0445-0510 in FF w/ nx at 0500 (Ravenhorst 10/9).
- 5039 SUDAN; R. Omdurman, 0400-0410 in AA w/ mx and chants (Mayer, Hancock).

- 5040 COLOMBIA; R. Cinco, 0310-0800 in SS w/ Caracol nx, DJ type pgm, many ID's. (Cain, Field, Brookwell).
- 5040 VENEZUELA; R. Maturin, 2310-0305 in SS w/ LA mx, some US pops, many ID's, tlks and ballads. (Earhart, Lazarus).
- 5041 GUINEA-BISSAU; Rdf. du National du Guinea-Bissau, 1847+ in PP and vern. w/ nx by a M(Wootten-SARD). 0455-0500 in PP w/ nice listening mx. (Earhart 9/25). 9/21).
- 5045 BOLIVIA; R. Atliplano, 0800 in SS w/ local mx and ads(Brookwell)
- 5047 TOGO; Rdf. du Togo, 2205-2245 in FF w/ US soul pops, classical mx, tlks(Earhart, Lineback). *0530-0600 in FF(Ravenhorst). 1849 in FF w/ discussion, ID and mx. (Wootten-SARDINIA).
- 5050 VENEZUELA; R. Mundial, 0730-0930 in SS w/ DJ pgmand LA mx.(Brookwell,Davenport). 2310-2330 in SS w/ tc's, ads, lively mx(Tannewald, Abraham - who states that the ID is given as "Radio Exitos YVKD" and "La Mundial de Venezuela". 0225-0240 in SS w/ LA mx and ID's. (Earhart, Wolfish).
- 5052 SINGAPORE; R. Singapore, 1330-1400 in EE w/ nx, pgm review and pop mx. (Glazzy 9/11). 1627 in EE w/ ID's and NA at 1630*(Wootten-SARD).
- 5057 ALBANIA; Gjirokaster, 1510 in Albanian w/ mx and tlks. (Wootten-"). 0400 w/ W and M in Albanian (nikolich).
- 5060 ECUADOR; R. Nac. Progreso, 0245-0419* in SS w/ light Ecuadorian mx and some anmns. NA at sign off. (Earhart, Cress).
- 5065 KARELO-FINNIISH REP; Petrozavodsk, 0405 in RR, //4780.(Shingler 10/8)
- 5075 COLOMBIA; R. Sutatenza, 2312-0315 in SS w/ LA vocals, many ID's, tlks by a M.(McIntosh, Earhart, Florian, Trautschold).
- 5095 COLOMBIA; R. Sutatenza, 2335-2346 in SS w/ several modern and Colombian tunes along with semi-classical mx. (Earhart 9/16).
- 5100t PAKISTAN; R. Pakistan, 1141 in lang w/ local mx, poor level. This is the only one listed in WRTVH. Needs more checking(Florian 10/1).
- 5130 CHINA; R. Peking, 1146 in CC w/ tlk by a W and choral mx.(Florian).
- 5145 CHINA; R. Peking, 1245 in lang. w/ tlk by a M (Bryan 9/26).
- 5163 CHINA; R. Peking, 1853-1855* in RR w/ political diatribe(Wootten).
- 5310h CUBA; R. Rebelde, 0944 in SS w/ tlk about agriculture by a M. This is the 9th harmonic of 590.(Hauser 9/23). Has been heard here in the past as this station comes in from time to time. Sam.
- 5745 USA; 0700 w/ "Breakfast Show" in EE. (Brookwell 9/22). This station verified as Greenville back in 1974. Sam.
- 5880 CHINA; R. Peking, 1157 in CC w/ tlk by a W (Florian 9/20).
- 5900 ISREAL; IBA, 0500-0530 in EE then into FF w/ nx. (Smith, Schwartz).
- 5930 CZECHOSLOVAKIA; R. Prague. *2130 in PP to LA. (Florian). 0310-0345 in EE w/ DJ show, political tlks(Earhart, Schwartz).
- 5930 KARELO-FINNIISH REP; Murmansk, 0321-0355 in RR w/ piano exercises. QRM was from Praha. (Young 9/25).
- 5940 USSR; UNID., 0430 IS similar to Mayak then M w/ nx in RR(Shingler).
- 5954 COSTA RICA; TIQ R. Casino, 0515-0602 in EE w/ ID's, coke ads, pop mx, tc's, close down at 0602 w/ "The Queen of the Caribbean". 1115 in SS w/ LA mx and tlks (Florian 9/12, Zilner 9/20). Varies to 5955.
- 5955 GREECE; VOA Kavala, 0540 in EE w/ the "Breakfast Show".(Brookwell).
- 5955 USA; VOA Dixon, 0845-0900 relaying the UN Radio pgms in EE(Camillo).
- 5960nf ALBANIA; R. Tirana, 2159-2210 in GG w/ IS and nx. (Earhart 9/29).
- 5960 CANADA; CBC NS, 0020-0320 in EE and in Eskimo w/ nx, wx and songs. 1300-1700 w/ extremely enjoyable programming in EE(Barto,Poppin).
- 5965 HUNGARY; R. Budapest, 2140-2155 in EE w/ variety type pgm.(Earhart).
- 5965 SWITZERLAND; SBC, 0145 in EE w/ "Dateline" pgm. (Snyder 10/6).
- 5970 CANADA; RCI, noticed here and not on 5930 as in Oct. LR-B. Also no SSB but was to So, Pacific and USA. Time? (Davenport 9/8).
- 5975 ENGLAND; BBC, 2322 in PP till 0015 then into SS. (Poppin 9/17).
- 5980 PERU; R. Panamerica, 0505-0615 in SS w/ LA mx, ads, US pops and tlks by a M (Bishop 9/9, Poppin 9/13).
- 5980 SOUTH AFRICA; R. RSA, 2230-2318 in EE w/ "DX Corner" pgm.(Poppin). Also // 9585 and 11900. 0400-0426 in EE w/ DJ pgm (Poppin).//7270.
- 5980 USA; KGEI, 0740-0800 in EE w/ the "Golden Gate of Friendship" pgm. Into JJ at 0800. (Bishop 9/7). 1355 in EE and Asian lang. w/ western style mx. (Poppin 9/25).
- 5990 ROMANIA; R. Bucharest, *2127 in EE w/ ID then into PP(Florian 10/2).
- 5995 AUSTRALIA; R. Australia, 0730-0841 in EE // 7290 w/ "Mailbag" pgm. //9570 at 0841. (Conover 9/26). mx and nx to Pac. (Ravenhorst 10/9).
- 5995 ENGLAND; BBC, 2215-2223 in PP to Brasil. classical mx and nx heard. (Earhart 9/18). See below.
- 5995 LEEWARD ISLANDS? 2200-0015 and again at 0230 in PP and the later in SS. Two large articles were received from Hauser speculating on the

- transmitting locations - either Antigua, Montserrat or Greenville. Sooner or later we will have definite word and it will be printed as the case now with Antigua on 6195. Sam.
- 5995 MALI; Rdf. Nat. du Mali, 2125-2138 in FF w/ children songs and native vocals, tlks by a M. (Florian 10/2, Earhart 9/29).
- 5995 USA; VOA Greenville, 0459-0700 in EE w/ "Breakfast Show"(Davenport).
- 5995 VATICAN CITY; R. Vatican, 0100-0115 in EE w/ IS, ID, nx and rel. pgm. // 9605 and 11700. (Smith 10/12, Sobin 9/3).
- 6000 BRASIL; R. Inconfidencia, 0140 in PP w/ LA mx. (Florian 9/20).
- 6000 HUNGARY; R. Budapest, 0300-0312 in EE w/ nx & commentary(Hauser, Brown, Jones)
- 6000 SINGAPORE; R. Singapore, 1140 in CC w/ W (Shingler).
- 6005 AUSTRALIA; ABC, *0758- 1303 in EE w/ IS, ID, nx, pop tunes. //5995 usual het from R. Relej on 6006. (Jones, Bishop, Richardson).
- 6005 CANADA; CFCX, 2150-2220 in EE carrying baseball, nx, ads, and mx. QRM from BBC Ascension. (Brown 9/26).
- 6005 ASCENSION or LEEWARD? BBC, SS relay moved here from 5995 due to VOA conflict. (Hauser 9/28).
- 6006 COSTA RICA; R. Relej, 0315-0325 in SS w/ mx, ads (Bishop), 0720-0730 in SS w/ vocal mx. (Yates 8/18).
- 6010 FED. REP. of GERMANY; DW, 0128-0150* in EE w/ nx, mx and election commentary. (Thompson 10/8, Snyder 10/6). (Wade).
- 6010 ITALY; RAI, 0100-0120 in EE w/ mostly local nx and little mx. //9575
- 6010 RYUKYUS; VOA Okinawa, 1313 in EE w/ product review pgm. (Bryan).
- 6010 USA; Dixon or Delano, BBC SS relay 0300 (Hauser 9/21).
- 6015 AUSTRIA; ORF, 0453* in EE (Conover 9/12). 0535 in GG //6155 w/ local folk mx. (Schwartz 9/27).
- 6015 BRASIL; R. Clube de Pernambuco, 2350 in PP (Abraham 9/23).
- 6015 COLOMBIA; La Voz del Llano, 0222 in SS w/ LA mx and many ID's. (Florian 9/25). Unless they are testing I believe you mean 6115kHz.
- 6025 PORTUGAL; R. Portugal, *0230-0300 in EE w/ PP mx and news, ID's, (Bishop, Camillo, Earhart, Bryan). 2100 in FF w/ nx (Florian 10/2).
- 6030 FED. REP. of GERMANY; SDR Muhlacker, 2245-2305* in GG w/ pop instrumentals and vocals, nx at 2300 (Moritz 9/30).
- 6030 JAPAN; R. Japan, 0716 in JJ (Poppin).
- 6035 BOLIVIA; R. Panamerica, *0900-0911 in SS w/ ID and tlks. (Cain).
- 6035 LIBERIA; VOA, 0320-0330 in EE w/ "Safari" pgm. (Bogel 9/16).
- 6035 SWEDEN; R. Sweden, 0000-0055 w/ SS at 0000 into EE at 0030. "Sweden Calling DXers" at 0045. (Luce, Zilmer, Earhart).
- 6040 CANADA; RCI, 2200-0000 in EE w/ relay of Domestic Svc.(Miller, Luce).
- 6040 GERMAN DEM REP.; RBI, 0000-0044 in SS w/ tlks. (Luce, Yajko). 0220 in SS w/ anti US tlks. (Schwartz). 0500 w/ IS in unid. lingo (Brown).
- 6045 LIBERIA; VOA Monrovia, 2105 in EE w/ nx. //6040 Woofferton(Florian).
- 6045 PERU; R. Santa Rosa, 1045-1100 in SS w/ "La Hora Musical" and tlks by a M.(Zilmer, Moritz). (Zilmer).
- 6045 SWEDEN; R. Sweden, 2300 in EE w/ nx. Covered by jammer and RCI-6040.
- 6060 CUBA; RHC, 0345 in SS w/ nx and LA mx. (Bryan).
- 6060 SICILY; RAI, 2004 in Italian w/ operas. (McNeil).
- 6065 COLOMBIA; HJAX R. Super, 1042 in SS w/ nx and tlks. (Yajko 10/2).
- 6065 SPAIN; RTVE, 0100-0200 in EE to NA, mx and nx. (Dvorachek, Bishop). 0310-0320 in EE w/ heavy QRM. (Bogel).
- 6070 CANADA; CFRX, 0050-0100 in EE w/ mx, ads and nx. (Golden 9/21).
- 6070 VENEZUELA; YVSR R. San Sebastian, 0050 in SS w/ LA mx, ID's and ads.
- 6080 ASIATIC RUSSIA; Khabarovsk, 1322 in RR w/ classical mx(Bryan(Yajko)).
- 6080 MALTA; Malta Calling, 2109 in EE w/ tlk on international monetary fund in Manila, mx and ID's. (Florian 10/2).
- 6080 NEW ZEALAND; RNZ, 1206-1300 in EE w/ rugby tlks, on with a special all night B/C. (Osterman 9/11). Filka).
- 6082 PERU; R. Nacional, 0600-0903 in SS w/ local nx, organ mx(Bishop, Brown, Jones)
- 6085 FED. REP. GERMANY; DW, 0325-0400 in GG w/ history of Bavaria, 0340 into "Jugend Heute". (Bogel 9/11).
- 6090 AUSTRALIA; ABC Sydney, 1100-1150 in EE w/ nx, classical mx and Davis Cup matches. (Camillo, Osterman).
- 6090 LUXEMBOURG; R. Luxembourg, 2150-0200 w/ pop mx, rock and religious mx. DJ pgms mixing in GG and in EE. (Snyder, Schwartz, McIntosh, Bishop)
- 6095 ECUADOR; HCJB, 0230-0305 in EE w/ "DX Party Line"(Glazzy, Thompson).
- 6095 PERU; R. Nacional 1080, in SS w/ typical LA mx at 1005(Abraham).
- 6097 SOMALIA; R. Mogadishu, 2049 in lang. // 9585 (Shingler 9/28).
- 6100 FED. REP. GERMANY; DW, to 0146* in EE (Mooney 9/25).
- 6100 MALTA; DW, *0126-0150* in EE w/ IS, ID, tlks and the "Sunday Magazine" pgm. (Brown, Conover). Mooney, I believe the previous report of yours is also the DW from Malta and not FRG at this time slot.

- 6100 MOROCCO; RTM, 2155-2257 in AA //6170 mixing w/ DW Malta, chanting and choral type mx, tlk by W (Zilmer, Hauser 8/29).
- 6100 VENEZUELA; YVTO Observatorio Cagigal, 0730-0734 in SS anct each minute. (Ravenhorst, Yates). Good for checking 49m calibration.
- 6105 MEXICO; XEQM Su Pantera, 1244 w/ nx in SS (Jones 9/25). 0500* with "Battle Hymn of the Republic" (Bishop 9/5).
- 6105 NEW ZEALAND; RNZ, 1000-1030* in EE w/ nx, mx pgm. (Camillo 10/6).
- 6110 PHILIPPINES; VOA Tinang, 1100-1205 in EE w/ nx and cmtry (Camillo).
- 6115 COLOMBIA; La Voz de Llano, 1030 in SS w/ LA mx, TC's, Beaudoin). ID's and "La Voz del Pueblo Llano" pgm. (Tannewald 9/11).
- 6115 MEXICO; R. Universidad de Sonora, 1620-1711 in SS w/ classical mx, and nx of University activities for the day. (Brookwell 10/5).
- 6120 SPAIN; RTVE, *0058 in SS w/ IS, ID, freqs and address. (Bishop 10/4).
- 6120 SWEDEN; R. Sweden, 2300 in EE to NA //6045 and 9695 w/ nx (Zilmer). 2322-2328 when it went into Swedish. // 's same as above but 6045 too much RCI and 9695 was unheard. (Earhart 9/27).
- 6130 GHANA; GBC, 2228-2250 in EE w/ nx, ID's and Af mx with drums. Also uses ID's Voice of the Revolution and Radio Ghana. (Zilmer, Newman).
- 6130 SAUDI ARABIA; BSKSA, 2310-2345 in AA w/ tlks. Good till McIntosh). Voice of the OAS *2345 (Florian). 0045-0100 in AA w/ mx (Snyder, Cain).
- 6135 BRASIL; R. Gaucha, 0910 in PP w/ vocal mx, TC's, ID's, ads (Tann'wld).
- 6135 CHINA; R. Peking, *2300 in SS w/ tlk. QRM Brasil/Poland (Zilmer 9/29).
- 6135 SWITZERLAND; SBC, 0142-0150 in EE w/ ID and TC and the "Dateline" program. (Mooney, Schwartz, Jones).
- 6140 AUSTRALIA; ABC Perth, 1307 in EE w/ sports nx (Jones 9/25). 2300-2320 in EE w/ wake-up show, pop mx, comedy skits (Boomer 9/6).
- 6145 ALGERIA; RTVA, 0550-0600 in AA w/ singing - solo and chorus and drum mx. On early due to Ramadan. (Earhart 9/25). Conover)
- 6150 AUSTRALIA; ABC Melbourne, 1100-1214 in EE w/ nx, mx, sports (Camillo).
- 6150 COLOMBIA; La Voz de Huila, 0515-0635 in SS w/ many ID's, mx (Cain).
- 6150 CYPRUS; BBC, *2340 in lang. EE ID 2345. (Zilmer 9/9). Hall).
- 6155 AUSTRIA; ORF, 0130-0154 in EE w/ world and local nx, wx, mx, Alpine Observatory Commentary (Smith, Earhart).
- 6155 BRASIL; R. Cultura da Bahia, 0000-0130 in PP w/ ads, tlks, jingles, possible sporting event on 10/3 (Florian, Zilmer). Zilmer reports // 9595. Foreign bulletins say 4895 is quite active also.
- 6160 CANADA; CKZN (Newfoundland), 0930-1223 in EE w/ "The Morning Show" nx, wx, sports, some CBC ID's (Bishop, McNeil, Mooney, Camillo, Jones). 1129 w/ rock and pop mx, CBC ID then 1/2 hr of rel. mx. Strange sort of programming? (Moritz). 0931-1004 w/ nx, wx, sports, mentions of Grand Banks. Missed this station until I realized it counted as a separate country. 300 watts. (Young 9/17).
- 6165 AUSTRIA; ORF, 0457 in EE (Conover 9/12). Programming?
- 6165 BRASIL; R. Cultura de Sao Paulo, 2300 in PP // 9745 w/ semi-classical and march mx. (Zilmer 9/20).
- 6165 MEXICO; XEWV La Voz de America Latina, 1100-1300 in SS w/ tlks, TC's mx and "XEW Presento Comentario y Noticias" (Zilmer, Jones).
- 6165 NETHERLANDS ANTILLES; R.N., 0215 in EE w/ "DX Jukebox" (Schwartz). 0500 in EE w/ nx, mx and cmtry (Woltman).
- 6165 SWITZERLAND; SBC, 0700-0720 in EE w/ "Swiss Merry Go Round" (Cain). 2118 in EE w/ Swiss mx, tlks on resort areas (Florian 10/2).
- 6170 COLOMBIA; La Voz de la Selva, 1100-1130 in SS w/ rel tlks (Newman).
- 6170 EGYPT; R. Cairo, 2158-2205 in AA w/ tlks and chanting (Earhart 9/21). Will somebody please check this station out? It is kind of confusing with RTVM on the same frequency at the same time. Editor.
- 6170 MOROCCO; RTVM, 2145 in AA //6100 w/ chanting and choral mx (Zilmer). 2135 in AA w/ tlks by a M and W. (Florian). 2205 in AA (Abraham).
- 6175 ANTIGUA; BBC Caribbean relay, 0500 in EE w/ nx (Brookwell 10/4). 0640-0730* in EE. At close down the station said that the Central American Service could next be heard at 1100 on 150701 (Cosier-AUST). 0509 in EE w/ "Review of the British Press" (Hauser 9/26). 0632-0730 in EE w/ "Baker's Half Dozen", "World News", "24 Hours". Heard on a regular basis from 0430-0730. (Conrad 9/24).
- 6175 BRASIL; R. Guarani, 2200 in PP w/ tlks. (Zilmer 9/30).
- 6175 UNID; BBC, 1107 w/ nx in EE //5975. (Snyder 10/6). Antigua on at 1100? On 6195 it is.
- 6180 ARGENTINA; R. Nacional, 0457 in SS w/ ID (McIntosh).
- 6180 COLOMBIA; R. Nacional de Colombia, 0710-0715 in SS w/ ID's, LA mx, and the "Ponderosa" theme. (Poppin 9/6).
- 6180 CYPRUS; BBC, 2200 in EE w/ nx (Zilmer 9/20).

- 6180 GUATEMALA; R. Nacional, 0554* in SS w/ ID and frequency and "Hasta Manana a Misma Hora". (Jones 9/11). 0330 w/ nx in SS (Wolfish 9/25).
- 6180 NORWAY; R. Norway, 0155 in Norwegian w/ nx, ID, comedy show and commentary. (Schwartz 9/18).
- 6180 VENEZUELA; R. Turismo, *0936 in SS w/ NA, ID, LA mx (Cain). 1100 in SS w/ ads, ID's, LA mx and tlks. (Zilmer 9/23).
- 6183 POLAND; R. Warsaw, *0200-0400* in EE w/ programming to NA. //6095 and on 11815 but not heard. (Young 10/8). For a powerful European broadcaster I have the hardest time trying to hear this station. Ed.
- 6185 BRASIL; R. Bandeirantes, 0945 in PP // 9645 w/ tlks (Zilmer 9/10).
- 6185 ECUADOR; HCJB, *0400 in RR spoiling my chance for Libya (Abraham). Read on. It didn't spoil everybody's. Hi!
- 6185 ETHIOPIA; R. Ethiopia, 0335 in Somali, local chanting and tlks for about 10 minutes. (Abraham).
- 6185 FED. REP. GERMANY; DW, 0500-0550 in EE //6100 Malta, nx and cmntry, Stronger than Malta. (Smith 10/12, Jones 9/11).
- 6185t LIBYA; PRB, 0605-0612 w/ Arabic style flute mx, faded out with no return (Bishop 9/29). 2245-2330 in AA w/ singing, instrumentals and no announcements. Blocked by VOA s/on at 2330 on 6190. Perhaps on late for Ramadan? (Corson 9/17). Be sure to check ID on this one as Ethiopia is scheduled in Somali during this time. Editor.
- 6190 COLOMBIA; La Voz de Centauros, 0500-0525 in SS w/ LA mx pgm, ID's, chimes. DW QRM at 0525. (Hall 9/28).
- 6190 VATICAN; R. Vatican, 2300 in EE and Italian, classical and conventional mx. (Zilmer 10/4).
- 6195 ANTIGUA; BBC Caribbean relay, *1954-2115* in EE w/ IS, ID as "This is the BBC Caribbean relay to the Caribbean Area". (Hauser, Cress, McNeil). *1100-1330* in EE w/ "Sports International", "Early Days of Flying", (Florian, Jones, Zilmer, Mayer, Camillo). Mayer had the earliest reported date of 9/21. Heard here on 9/22. QSL received from England on 10/18. Proud to say that the New England DX Society newsletter carried the first definitely reported reception as early as 9/26. Nice going Hank and Al.
- 6195 COLOMBIA; La Voz de Cali, 0805-0810 in SS w/ ID and LA mx (Bishop).
- 6195 NIGERIA; NBC Sokoto, 2115-2201 in EE and in lang. w/ African mx, nx in EE, at 2115 after BBC s/off w/ ID as "This is Radio Nigeria" then ID in Hausa. (McNeil, Zilmer, Florian).
- 6200 ALBANIA; R. Tirana, *0130-0200 in EE w/ news and commentary. What else! (Florian, Bishop, Filka, Miller).
- 6200 BULGARIA?; grind jammer IDing once every 29 seconds as "A7". This was at 0421 on 8/30. Obviously intended for Radio Tirana's Bulgarian program on this frequency; however, the USSR could be helping out Bulgaria from one of its own jamming sites. (Hauser). Gotta fill up this page with something.
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- Late arrivals: Received these while typing was in progress but they are much too good to leave out. Since I have the space - why not?
- 4905 CHINA; R. Peking, 1136 in CC like lang. Way over Kampuchea on this morning. (McNeil 10/6).
- 4908.5 KAMPUCHEA; 1100-1215+ w/ CC like wailing, tlks. Noted daily with frequency varying from 4906.5 - 4908.5. (McNeil).
- 4915 KENYA; VOK, 0322-0332 in Swahili w/ tlks by a M (McNeil).
- 4920 USSR; R. Moscow, 2100-2129* in Czech? w/ IS, ID, nx and cmntry, ID and schedule at s/off. no IS at s/off. (McNeil 10/6).
- 4925.8 EQUATORIAL GUINEA; La Voz de la Partido de Revolution Nacional, 2055 in SS w/ exicted tlks by a M and nice Af mx (McNeil).
- 4927 INDONESIA; RRI Jambi, 1138 in II w/ local mx, lots of drums then long tlk by a W (McNeil 10/5).
- 4930 GEORGIAN SSR; R. Tbilisi, *0200-0350 in RR w/ classical mx, IS every 1/2 hr and nx every hr. (McNeil).
- 4932 VIETNAM; Hanoi, 1045-1210 in VV w/ tlks, little mx. (McNeil).
- 4935 BRASIL; 2215 in PP w/ ads by a DJ, PP pop songs and tlks. (McNeil). Some of my Latin DX bulletins list R. Capixaba as the active one on this frequency. Editor.
- 4955 INDONESIA; RRI Banda Aceh, 1134 w/ AA type chants by a M (McNeil).
- 5031 COLOMBIA; Brisas del Citara, 0504+ in SS w/ TC's, ID (McNeil).
- 5035 TASHKENT; Alma-Ata, 1124-1145+ in lang. w/ tlks by a W, IS at 1130, occasionally some local mx. (McNeil). Reporter asks if this is a Home Service or a Radio Moscow relay? Anyone know?
- 5039 BURMA; BBS, 1157+ in BB w/ nice traditional Burmese songs by a W, also 1210-1220 w/ tlks by a M (McNeil 10/9).
Thats it for this month gang. See you next time.....73's Sam

SECTION "C"

Log

• Ed. Sec-C: Tom Gavaras

6201-11700

Report

DEADLINE: 12TH OF MONTH



ALL DX TIPS FOR THE LOG REPORT SECTIONS MUST BE SENT TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045!

- 6225 CHINA R. Peking; 1120 Chinese talking. Fair signal (Yajko 10/2).
 6338 KOREA (NORTH) R. Pyongyang; 1247 Korean w/cantrny and music (Poppin 9/25).
 6345 CHINA R. Peking; 1335 Chinese w/Children singing (Bryan 9/26).
 6400 CHINA Chinese People's Liberation Army; 1125 Chinese, CC music. Suddenly off at 1126. Poor signal (Yajko 10/2).
 6430 CHINA R. Peking; 1338 tlk by man & woman in unidentified lang, mx (Bryan 9/26). -The language probably was French. (ed.)-
 6450 VIETNAM Hanoi; 1345 VV tlk by woman, mx, tlk by man & woman (Bryan 9/26).
 6540 KOREA (NORTH) R. Pyongyang; 1350 Japanese mx & tlk by a man (Bryan 9/26).
 6750 CHINA R. Peking; 1130 with talking in an unidentified language (Zilmer 9/30).
 7040.2 BHUTAN R. NYAB; *1230 EE w/very interesting local mx. Positive ID at 1304 as "... NYAB," 1317 YL w/mention of Bhutan, ID again at 1319, approx 1328 s/off. Weak to fair sigs mixing with and often under AROs, but nearly always readable; however, closing announcements were lost in a cloud of ARO activity (Janqua 10/6). Nice catch Gib!!! I guess Christmas came early (hi!).
 7065 ALBANIA R. Tirana; 0430 s/on AA ID, news (Schwartz 8/30). 2210+ EE w/tlk of Socialism, etc. (Florian 10/3, Hohnstein 10/3).
 7070 INDONESIA RRI-Jakarta; 1220 Indonesian w/assorted mx & tlk (Hohnstein 10/1).
 7090 ALBANIA R. Tirana; 2223 Serbo-Croat tlk by man, Classical mx. Poor sig.(Florian).
 7095 CHINA R. Peking; 1205 CC tlk (Hohnstein 10/1).
 7100 USSR R. Moscow (Petropavlovsk-Kamch.); 0840 Japanese pgm to Japan w/JJ mx interludes (Brookwell 9/20). 1712 HS w/RR Mayak pgm // 7160 (stronger) (Brookwell 10/1). 2340 EE mx (Hohnstein 9/29, Conover 9/25).
 7100 BULGARIA R. Moscow relay; 0400 EE mx (Brown 9/14, Hohnstein 9/29).
 7105 MONACO TWR; 0625-0750 EE religion pgm, tlk, mx, etc. (George 10/5, Osterman 9/25).
 7105 SYRIA SARBS; 2025-2030 AA mx, 2030 YL & OM in AA (nx?) (Shingler 10/6).
 7110 MALI Rdf du Mali; FF tlk by man at 0710, African singing, IDed w/Marching band IS (Voice ID unintelligible) (Brookwell 10/3).
 7110 UNIDENTIFIED; 0340-0403* AA. Distorted, over modulated, very strong AA station. Rock mx, AA mx, 0400 mx (not understandable). Hrd only once. Riyadh? (Mayer 9/30).
 7115† THAILAND R. Thailand; 1225 w/Iceland mx, 1228 lang. Weak signal (Shingler 9/15).
 7120 ALBANIA R. Peking; 0105+ EE tributes to Mao (Mooney, Bishop). 0300+ Tlk of Mao & funeral w/heavy HAM QRM (Klassman, Earhart, Hauser, Hohnstein).
 7135 BULGARIA; This freq has been reported by Legge as Plovdiv, when R. Moscow pgms are heard; this is confirmed by 9/18 0430 reception of R. Sofia SS to Cuba, etc., announcing that it is a repeat of the 2230 xmsn, & giving the 31mb only. (Hauser).
 7150 KOREA (SOUTH) R. Korea; 0755 Indo. s/on w/gongs IS into nx read by W. (Brookwell).
 7150 TAIWAN BCC Minshung; 0855 Mandarin CC w/tlk by male, chorus to 0900, nx (Brookwell).
 7155 GREAT BRITAIN RCI Relay; 0700-0720 EE nx into FF at 0720 (Overcamp 9/12).
 7160 SARAWAK R. Malaysia; 0921-1045 EE & CC Orient pgm to 0930 into Western mx. EE ID at 0945. CC ID at 1030. 6 pip TC on hour w/native instrument IS. IDed as "R. Malaysia Kuching" (Brookwell 10/20).
 7160 USSR Mayak (Petro-Kam.); HS w/RR Mayak pgm //7100 (weaker) (Brookwell 10/1).
 7165 RYUKYU ISLANDS VOA; 1100-1330+ EE mx, etc. (Fedor, Hohnstein, Beaudoin, Thompson).
 7175 LIBERIA VOA; 0650 French with U.S. mx (Hohnstein 9/30).
 7185 USSR (Nikolaevsk) R. Moscow; 1130 Oriental lang (Hohnstein 10/2).
 7190 MOROCCO VOA; *0200-0400* EE ID into Romanian. Severe HAM & USSR QRM (Brown 9/13).
 7190 CHINA R. Peking; 0810 CC sing song w/tlk. Jammed w/60 cycle note (Brookwell 10/1).

- 7190 YEMEN DYBS; 2200* AA mx & tlk (Hohnstein 10/3).
- 7195 LIBERIA VOA; 0407+ EE nx, cmntry (Bogel). 2230* EE nx (Hohnstein 9/30).
- 7200 SUDAN R. Omdurman; 0400 AA mx, low modulation; 0403 sounded like muezizin; 0428 barely parallelable to 5039 (Hauser 8/30).
- 7200 USSR (Vladivostok); 1430 RR w/IS, tlk by man, semi-classic mx, etc. (Bryan 9/26).
- 7200 USSR Mayak; 2359 IS under OC from another station; being QRMed apparently deliberately by a hand-keyed CW station, probably amateur, with irregular but annoying sendings of "B1" (Hauser 8/29).
- 7203 KOREA (NORTH) R. Pyongyang; 0900 SS w/IS, ID (Brookwell 9/21, Jones 9/30). 1000 EE mx & propaganda (Hohnstein 10/1, Camillo 9/24, Zilmer 9/26, Inhat 9/27).
- 7215 BRUNEI R. Brunei; 1030-1100 CC Pop & Rock mx, 6 pip TC at 1045 into nx in CC. Orient mx IS (w/out gong) at 1100 into Orient Singing & new lang (Brookwell 9/21).
- 7215 IVORY COAST Rdf TV Ivoirienne; 0630 FF w/local mx (Hohnstein 9/30).
- 7235 YEMEN R. Sanaa; 0408, very poor w/faint chanting under severe ARO QRM (Nikolich).
- 7240 GREECE VOA-Kavala; RR w/tlk by man & woman, Yankee Doodle 0325 (Brookwell 9/30).
- 7240 YUGOSLAVIA R. Belgrade; 0128 SS tlk by man & woman, ID (Bryan 9/23).
- 7245 ANGOLA Emissora Oficial; 0530 PP pgm (Hohnstein 9/30).
- 7245 USSR R. Moscow (Nikolayevsk); CC w/tlk, R. Moscow IS 1700 (Brookwell 10/1).
- 7245 GERMANY (WEST) RFE; Bulgarian? w/IS on celeste, ID, tlk by W. Jammed *0357 (Brown).
- 7250 USSR R. Moscow; 0235 EE tlk on USA & USSR (Thompson) 0405 EE nx (Hohnstein).
- 7260 COMORO ISLANDS FR3, Comores; 1602-1615 FF Chantlike local mx, mixing w/identified Afro at 1610 and w/RBI at 1613; Koed by RBI at 1615 (Janqua 10/4).
- 7265 TOGO Rdf Togo; 0502+ Nx, speeches, mx 'Help me Ronda' (Golden, Florian, Hohnstein).
- 7270 SARAWAK R. Malaysia; 1306+ Lang w/EE female vocalists (Poppin 9/25, Bryan 9/26).
- 7285 USSR R. Moscow; 1145 with pgm in lang //7185 (Hohnstein 10/1).
- 7290 USSR R. Moscow; 0400-0500 EE mx & Greetings from Moscow pgm (Selneck, Hohnstein).
- 7290 USSR R. Vilnius; 2245 EE w/classical mx (Hohnstein 10/3).
- 7300 GERMANY (EAST) RFI; 2204-2215 Italian tlk by man. S/off & IS at 2215. Poor signal (Florian 9/11). -I have Swedish listed for this time & frequency (ed.).
- 7315 CHINA R. Peking; 1447 EE w/cmntry on Mao by man & woman (Bryan 9/26).
- 7320 USSR R. Vilnius; 0040 EE Economic talk. Fair signal (Yajko 9/27).
- 7320 USSR R. Moscow; 0415 EE nx // 7250 (Hohnstein 10/1).
- 7374 VIETNAM Hanoi; 1055 Vietnamese pgm (Hohnstein 10/1).
- 7390 USSR R. Kiev; 0300-0330 EE w/DX Club pgm, tlk about communism (Bishop, Earhart).
- 7390 USSR R. Peace & Progress; 0415 SS pgm // 7135 (Hohnstein 10/1).
- 7390 USSR R. Moscow; 2220 EE pgm. Any ideas on transmitter site? (Hohnstein 10/3).
- 7390 USSR Mayak; 0440-0510 RR TC "7 Chasov 50 Minot", mx, IS, nx (Poppin, Earhart).
- 7400 USSR R P & P; 0134 SS pgm to SAM (Hauser). 0420 SS pgm // 7135 (Hohnstein).
- 7412+ ISRAEL IBA; 0500-0515 EE nx, wx (Schneck) 0516 FF nx, ID (Schwartz), *2230 EE nx, "Voices from Israel pgm" // 9435, 9815, 11625 (Hauser, Schwartz, Zilmer).
- 7420 USSR R. Moscow; 2310 SS w/classical mx //7390 (Hohnstein) *2330 RR mx (Conover).
- 7460 ISRAEL IBA; 0438-0452 Piano mx, M announcer, Lang. sounded like FF (Earhart).
- 7504 CHINA R. Peking; CC w/tlk & no mx. 60 cyclejam 0915 (Brookwell). 1100 CC pgm
- 7511+ VIETNAM VOV; 1045 VV pgm (Hohnstein 10/2). -I have Laotian listed (ed.)-(Hohnstein)
- 7580 KOREA (NORTH) R. Pyongyang; 1115 RR pgm (Hohnstein 10/1).
- 7620 CHINA R. Peking; 1506 Korean talk by woman (Bryan 9/26).
- 9064 CHINA R. Peking; 1512 Chinese talk by man (Bryan 9/26).
- 9365 CHINA R. Peking; 1240 CC talk & music. Fair signal (Yajko 10/3).
- 9390 CHINA R. Peking; 1120 ID w/tlk of Mao & revolution (Poppin 9/2).
- 9420 KOREA (NORTH) R. Pyongyang; 1300-1330 EE ID, cmntry, nx, etc. (Glazzy 9/30).
- 9022 IRAN VOI; 2000+ EE ID, cmntry (Drennan, Snyder 10/6, Osterman 9/13, Fedor 9/22). 2209 Lang w/light mx and talk by female. Fair signal (Florian 10/5). -mt of place!
- 9425 ISRAEL IBA; 2200+ EE nx, Yiddish folk mx (Dvorachek 10/7, Zilmer 9/30, Snyder 10/6).
- 9450 USSR (Nikolaevsk); 1530 RR tlk by man, mx, tlk by woman, IS (Bryan 9/26).
- 9460 CHINA R. Peking; 0300-0355* EE ID, nx, propaganda (Hall, Bogel, Glazzy, Bryan).
- 9460 PAKISTAN R. Pakistan; 1535 Urdu w/mx, chanting, male DJ (Bryan 9/26).
- 9480 ALBANIA R. Tirana; 2245 FF w/talk about Mao, ID (McIntosh).
- 9490 USSR R. Moscow; 0212 SS ID & propaganda about US. Poor signal (Florian 10/4). 2023-2100 EE African svc w/nx, cmntry into FF at 2100 (Overcamp 9/17).
- 9504 PERU R. America; 1130 SS w/Andean style mx, ID at 1156 (Zilmer 9/26).
- 9505 JAPAN NHK; 0400 EE ID, nx, cmntry. 0415 JJ pgm (Poppin). 1132+ JJ ID, march mx (Poppin). 1417-1430 EE ID, cmntry, piano mx (Poppin).
- 9505 SPAIN RTVE; 2345 SS tlk about Mao, Ids, freq (McIntosh).
- 9515 TURKEY VOT; 2200-2310+ EE nx, World of Jazz (Dvorachek 10/7, Yates 8/18).
- 9515 PERU R. La Cronica; 0345-0355 SS ads, then a song. Fair signal (Mayer 9/22).
- 9515 MEXICO La Voz de la America; 0100 SS ID after pgm of mx (Field). 2018 SS ID, mx, 40's big band & pop mx. Fair to Poor (Osterman 9/24).
- 9515 AUSTRALIA R. Australia; *0630 EE IS, ID, nx read by Helen Jackson (Rojewski 9/29). 1210+ EE w/music of Australia, National Report, nx (Mooney 9/19, Woltman 9/15).
- 9520 DENMARK R. Denmark; 2051-2100 Danish w/IS, ID. New broadcast for Nam, P (Boomer).
- 9520 PAPUA NEW GUINEA NBC; 0600-0615 EE 'songs of Islands' pgm (Glazzy 9/11).

- 9520 SPAIN RTVE; 0215 SS mx, cmntry, freq., ID's. Very Good signal (Brown 9/23).
- 9525 INDIA AIR; 1810 EE nx & International mx (Beaudoin). 2000-2115 EE ID, cmntry, mx (Hancock, Dvorachek, Mooney, Schneck, Snyder). 2202+ EE nx, cmntry, ID (Yates, Beaudoin).
- 9535nf AUSTRALIA R. Australia; 2200 EE nx to S.E. Asia. Replaces 9540 (Zilmer 9/7).
- 9540 POLAND Polish R.; *1830+ EE mx, cmntry, Panorama (Butterfield, Drennan, Florian).
- 9540 NEW ZEALAND RNZ; 0500+ EE ID, Letter from America, mx (Rojewski, Bishop, Bogel).
- 9540 AUSTRALIA RA; *1800+ EE nx, ID, freq ancmts (Bogel). 2030-2100 EE nx (Dvorachek).
- 9550 FINLAND R. Finland; 2000 Finish s/on for Europe w/Moscow QRM (Boomer 9/28).
- 9555 KUWAIT R. Kuwait; AA w/mx at 2011 (Snyder 10/6).
- 9560 BULGARIA R. Sofia; 2200 EE mx, mx, cmntry (Zilmer 10/1).
- 9560 JORDAN R. Jordan; 1617-1712+ EE pop mx pgm, 1630 ID, 1700 time tips, ID, YL w/nx, wx, 1712 ID & mx; booming audio from 1630 (Janqua 9/25).
- 9567 CHILE La Voz de Chile; 0207 FF nx, ID, mx at 0210 into EE at 0212 (Florian 10/4). 2250-2310 EE nx (Camillo 9/20). 2330 SS mx, ID, address (Bishop 9/7).
- 9570 SWITZERLAND SBC; *2300 PP IS, ID, tlk & mx (Zilmer 9/21).
- 9570 QATAR QBS; 1455 AA w/chantlike oriental mx (Janqua 9/30).
- 9580 PHILIPPINES VOP; 1402-1650* EE ID, nx, guitar mx (Thompson, Bogel, Derovin, Poppin).
- 9580 SPAIN RTVE; on this unauthorized freq 9/15 over BBC-Ancension, announcing 9520 & 9630 only; 9520 audible, but 9630 missing, so this was that xmtr, on wrong channel; at 2225 check, had been corrected. Logged on the road w/Astro-6 in western VA (Hauser).
- 9580 AUSTRALIA RA; *1100-1238+ EE ID, Focus on Aus. (Richardson, Snyder, McIntosh, Mulvey, Pedd).
- 9585 SOMALIA R. Mogadishu; 1800-2100* Somali tlk & mx, ID. Chanting. (Abraham, Beaudoin 9/13, Snyder 10/6, Florian 9/11, Overcamp 9/17, McIntosh, Drennan 9/23).
- 9590 SWITZERLAND SBC; 1712 II IS pgm for Africa (Noonan). 2108 EE Swiss SW Merry-Go-Round (Zilmer 9/11).
- 9604.8 ETHIOPIA R. Ethiopia; 1612 lang tlk by OM, 1631 march theme & ID/6185 (Janqua).
- 9605 VATICAN CITY Vatican R.; *0100-0115* EE ID, religious cmntry (Glazzy 10/8).
- 9610 USSR R. Pacific Ocean; 0701+ RR ID, mx, comments by fisherman, mailbag, mx "kapitan kapitan" sung by female vocalist (Poppin 9/18).
- 9610 AUSTRALIA R. Australia; 1010-1059 EE nx, cmntry to 1030 into sports pgm (Davenport). 1300-1602* EE ID, nx, horse race, Davis cup match (Dvorachek, Thompson, Jones, Alvi).
- 9620t VIETNAM Saigon; lang 1515, extremely weak signal, hrd some Vietnamese sounding mx along w/tlk by YL, QRM from Canada on 9625 (Trautschold 10/7).
- 9640 KOREA (SOUTH) R. Korea; 1536+ EE ID, interview, tlk abt N. Korea, etc (Poppin).
- 9645 COSTA RICA TIPC; 0112-0130 SS classical mx, cmntry (Golden 9/26). 0308 EE w/relig. programs. Hymns. Fair signal (Florian 9/12).
- 9645 VATICAN CITY Vatican R.; 2045 SS ID "Radio Vaticana" (McIntosh).
- 9650 UNIDENTIFIED; 1906 AA w/readings from Koran. Kuwait listed in WRTVH. (Florian 9/11)
- 9650 AUSTRIA ORF; 0215 GG ID, tlk about Kreisky visit to Bulgaria, nx, etc (Schwartz).
- 9665 SWEDEN R. Sweden; 1600 EE nx to Africa //11740 (Zilmer 9/17).
- 9665 KOREA (SOUTH) R. Korea; *2000 EE IS, ID, Freq, nx, KBS cmntry (Rojewski 10/5).
- 9665 MALAYSIA R. Malaysia; 1331+ lang w/electric organ, EE mx "Tobacco Virginia" (Poppin)
- 9670 PORTUGAL IBRA; *2030 EE w/ID, religious pgm to 2100*. Fair signal (Butterfield)
- 9680 AUSTRALIA ABC-Melbourne; 1048 EE sports, nx, ID, pop mx (Rojewski 10/6).
- 9682 COLOMBIA R. Nac. de Colombia; 1130 SS time pips & ID. Good signal (Yajko 10/2).
- 9685 TAIWAN WOPC; *1900 EE w/IS, ID, nx 2000* (Rojewski 10/5). (Conrad 10/5)
- 9685a UNIDENTIFIED; 2030-0000+ SS LA xmtr under "hiss" off-air relay sound. I get def. R. Continental ID's, but under extreme noise (similar to BBC off-air relay). Help! ²
- 9690a ROMANIA R. Bucharest; 2100-2127 EE to W. Europe. ID, mx, tlk, 2127* (Alvi 7/23).
- 9695 SWEDEN R. Sweden; 0230-0240 EE w/IS, ID, nx, Panorama. Fair (Bogel 9/17).
- 9695 BRAZIL R. Rio Mar; 2330 PP w/IS, ID, freq given then into tlk & mx (Zilmer 9/21).
- 9700 RWANDA IW; 0150* FF ID, anthem (Mayer 9/25, Mooney 9/28).
- 9700 BULGARIA R. Sofia; 0000-0012 EE pgm w/DW QRM (Earhart 9/21).
- 9705 MEXICO R. Mexico; 1320 Japanese(?) w/ID, address & Mexican mx (Jones 9/25). 1355 SS tlk & ID (Yates 8/18). 1514 SS vocal mx, male announcer, ID at 1530. Poor (Yates).
- 9710 USSR R. Moscow; 0329-0340 EE ID, freq. ancmts, nx/9610 (Bogel 10/1).
- 9720 KOREA (SOUTH) R. Korea; 2016 EE ID, Korean Culture pgm. Poor (Rojewski 10/5).
- 9725 BELGIUM BRT-4; *0015-0045* EE ID, nx, mailbag, mx. (Earhart, Lineback).
- 9725 SWITZERLAND SBC; 0200 EE nx & mx (Beaudoin) 0430 EE nx (Beaudoin).
- 9730 UNIDENTIFIED; 0024-0027* AA talking, played National Anthem, then off. What? (Earhart)
- 9730 UGANDA UBC; 2015-2101* EE cmntry "Radio Newsreel", listing transmission dates as Monday, Wednesday, Friday and Sunday (Nukolich 10/6, Abraham 9/20, Drennan 9/27).
- 9735 USSR R. Moscow; 0400+ EE nx/9710, 9610 (Bogel). 0525 EE tlk re permafrost in Arctic by man & woman (Brookwell).
- 9740 MALAYSIA BBC Relay; 0858 EE w/IS, nx by man (Fedor). 1100-1120 EE world service nx (Camillo). 1630-1655 EE ID interviews, tlk on computers, Science in Action (Bogel).
- 9745 BRAZIL R. Cultura; 2300 PP w/semi-classical & march mx (Zilmer 9/27).
- 9745 ALBANIA R. Tirana; 0000 EE nx, comment (Zilmer 9/31). -Thought freq. was 9750? (ed)-
- 9750 CHILE R. Minería; *1030 SS ID, calls, followed by request for reports in SS, EE, FF & GG. Chimes & into nx (Jones 10/6).

- 9750 TANZANIA R. Tanzania; 1305-1330 EE/Swahili. OM announcer w/light mx pgm to 1314, when ID was given, then into Swahili (Davenport 9/23).
- 9760 GREECE VOG; 0024+ EE nx, FF pgm at 0030 (Richardson 9/10, Earhart 9/9).
- 9765 ANTIGUA BBC RELAY; 0012 PP tx, ID, address, 0014* (Florian 9/28).
- 9770 HAITI 4VEH; 1200 EE nx (Snyder). 1340 EE religious pgm. Jamming type QRM (Yates).
- 9770mf CUBA RHC; 0505-0525 SS tlk, ID then tlk by a female (Earhart 9/12).
- 9770 AUSTRALIA R. Australia; 1000 EE nx, countdown (Zilmer 9/26).
- 9770 AUSTRIA ORF; 0220 GG tlk about tourism, food, sports (Schwartz 9/18).
- 9770 GREECE VOA (Kavala); 0345 EE Breakfast Show, nx (Beirs 9/24).
- 9780 YEMEN R. Sanaa; *0259-0305 AA flute mx, IS, ID, Koran (Ball). 0348-0445 AA, tent ID, AA songs, "echo effect" w/1 or 2 announcements (Overcamp). 1844+ AA tlk & mx (Florian, Snyder). 2045-2200 AA mx, nx, tlk, chanting, etc (Snyder).
- 9785 CHINA R. Peking; 0105 EE nx, cmntry on mid-East situation (Brown 9/8).
- 9790 ALBANIA R. Tirana; 2340 SS pgm "communista". Very poor (McIntosh).
- 9800 USSR RMP (R. Moscow Facilities) 0710 Asian site. RR Young peoples Hour (Radyostansiya Unik) taped in Moscow (part in Orient lang//9765 till 0800 into Classical mx & Poetry pgm in RR. Vladivostok (Pac Ocean) IS at 0900 (suspect Khabarovsk). (Brookwell 9/29).
- 9805 EGYPT R. Cairo; 2210 EE "Listeners Club", EE pops (McIntosh, Beaudoin).
- 9815 ISRAEL IBA; *2000-2030* EE nx, DX Corner (Schwartz, Ilnat, Schneck). *2230-2300* EE nx, magazine show, cmntry, etc. (Schwartz, Sobin, McIntosh, Schneck, Wolman).
- 9840 VIETNAM Tay Nguyen; 1615 VV tlk by M & W (Bryan 9/26).
- 9940 CHINA R. Peking; 0149 EE w/Revolutionary Opera pgm. 0154* (Florian 10/4).
- 9965 CHINA R. Peking; 1224 JJ w/CC mx & JJ tlk by YL (Yajko 10/3).
- 10335 INDIA AIR 1530 EE nx, cmntry, ID'S //9950, 7195, 7260, 4800 (all hrs) (Young 9/14).
- 11290 CHINA R. Peking; 0815 CC sing song w/tlk, no mx. Internal IS (Brookwell 10/4).
- 11350 KOREA (NORTH) KCBS; 0812 KK w/tlk, no mx (Brookwell 10/4). 2103+ lang w/lively martial mx. Anything here besides N. Korea? (Bogel 9/17).
- 11535 KOREA (NORTH) R. Pyongyang; 1208 CC tlk by YL. Poor signal (Yajko 10/3).
- 11602 UNIDENTIFIED; 0730 Hebrew(?) garbled horrible modulation s/off w/Anthem, Female chorus (Time wrong for Israel). Who is it? (Brookwell 10/4).
- 11625 ISRAEL IBA; 2138+ RR(?) tlk by male (Earhart). 2230-2300 EE ID, nx, cmntry, IBA interview w/Amin!!; Hit bound parade (Earhart, Poppin, Davenport, Schwartz, Snyder)
- 11645 ISRAEL IBA; *2000-2030 EE nx, press review, etc. Into FF at 2030 (Sobin 9/1).
- 11646t SOMALIA R. Hargesia; 1540-1550 Somalian. Fluttery. Somali type music. OM tlk. Fade-out, no ID heard. Poor signal (Mayer 9/28).
- 11650 CHINA R. Peking; 0100 SS IS, ID, National Anthem, news (Noonan 10/6). 2035-2045 EE with talk about contributions of Mao. Fair signal with some fading. (Bogel 9/17).
- 11655 ISRAEL IBA; 1205 EE nx pgm. Good signal (Yajko 10/3).
- 11670 PAKISTAN R. Pakistan; 2054 lang. With Pakistan mx. End of pgm at 2100 w/announcer with apparent ID. Male announcer. Weak (Yates 8/21).
- 11685 CHINA R. Peking; *1200-1255 EE with message to -Whole World, Whole Party, Whole Army - announcing the death of Chairman mao, talk of cultural revolution. (Osterman 9/10, Earhart 9/13, McIntosh).
- 11690 USSR R. Yerevan; 0300 EE w/IS, ID, news. Armenian at 0322. EE news from Armenia. 0327* (Rojewski 10/6).
- 11690 USSR R. Moscow; 0425 EE pgm with a news pgm read by a woman, cmntry by man, ID, cmntry, mx, etc. (Bryan 9/29).
- 11695 CLANDESTINE BULGARIA Radio-ye Peyk-e Iran (Radio Courrier of Iran); 2140-2150 with Arabic (Middle-East) type music with "singing" but not reciting 'Koran'. Very little talking. (Earhart 9/13).
- 11700 DOMINICAN REPUBLIC R. Clarin; 1510-1600 SS w/easy listening mx, several mentions of Dominican Republic, ID, speeches (Mann 9/26). 1620 SS w/Lottery Numbers by OM (Hammer 8/15). 1758 SS talk, probably Lottery drawings as there were many numbers repeated over & over (Trautschold 8/22). 2115-2238 SS mx, ID's, talk, man spoke at large gathering calling out names (clapping after each name) (Earhart, Drennan, Snyder)
- 11700 VATICAN STATE Vatican Radio; Noted on this spot w/FF to N. Am at 0115 (Padula-Australia). 0030 SS OM & YL with cmntry & nx (Hammer 8/14).

● HELPING HAND: Greg Kemnitz 1539 Clare Lane, Wayzata, Minnesota 55591 is in need of a manual for his Hammarlund HQ-150.

Thank you to those who sent in DX tips this month!! I was not able to squeeze in all of the reports I received this month because of lack of room. Many of those tips can be found in last months FRENEX. Until next month, 73

Log

• Ed. Sec-D:

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Report

11701+ kHz.

- 11705 JAPAN NHK; 1025-1031 RR, Glenn Miller type of mx (Poppin 9/11).
11705 SWEDEN RS; 2345-2359 Swedish, tlks, fair (Earhart 9/30).
11705 USSR RM; 1130-1200 EE, India target area?, poor (Walcutt 10/7).
11710 ARGENTINA RAE; 2300-2350* EE, nx & mx (7 reporters); 2310-2318 SS; this looks like an exception i.e. not EE (Earhart 10/2).
11715 PHILIPPINES VOA-Tinang; 1032-1038 RR to USSR (Poppin 9/11).
11720 SWITZERLAND SBC; 2105-2120 EE, tlk on nuclear energy, QRM from CBC Northern Service, which eventually won out (Bogel 9/16).
11730 HOLLAND RN-Lopik; 1830-1950 EE to Africa (Poppin 9/11, Bogel 9/16).
11730 MALAGASY REP RN-Talata; pgm 2000-2120 EE to W. Europe (Bogel 9/8, Poppin 9/11). RN's latest schedules indicate that Bonaire isn't currently used on any 25 m. freq, nor is it expected to be before next summer -ed.
11730 HOLLAND RN-Lopik; 2130-2250 EE to N.A. (Woltman 10/7).
11740 INDIA AIR; 2145-2200 EE, M w/amnts, female subcontinental vocals, ID, weak (Lineback 9/14).
11745 SRI LANKA VOA-Colombo; 0145-0205 EE, S. Asian Svc., "Breakfast Show" theme & nx at 0200, v. poor, rapid flutter (Walcutt 10/15).
11750 JAPAN AFRTS-FEN; 0100-0115 EE, nx at 0100 followed by weather for Tokyo, Hokkaido, etc. then ez mx (Hall 9/27).
11750 MALAYSIA BBC-Tebrau; 1525 EE (Richardson 9/6), 1635-1645* in (tent.) Bengali (Bogel 9/8). From sched seems Bengali is 1615-1645 on this freq, on Wednesdays, and Tamil Sa, Su, M, Th; that only leaves Tu & F, perhaps Hindi - ed.
11750 NEW ZEALAND RNZ; 0358-0410 "Nat'l Pgm.", // 15130 (Poppin 9/9).
11750 USSR "R. Yerevan"; 0321 EE & Armenian, ann. schedule as Tues., Wed., Fri., Sat. at "8pm" (Poppin 9/17).
11755 FINLAND RF; 1700 Finnish to Mideast & SE Eur., fair (Boomer 9/12).
11770 ASCENSION IS. BBC; 1700 EE to Africa, poor (Bryan 9/26).
11775 SPAIN RTVE; 2306 SS, "Panorama" (McIntosh).
11780 AUSTRALIA RA; 0348-0545 EE, Pac. Svc., usual variety pgm w/tlks, "Calvacade of Mx" (Bogel 9/11, Earhart 9/12, Heckenlively 9/28).
11789 INDONESIA VOI; 1001-1015 Indonesian, electric chime & "Suara Indonesia"; FF to 1400 then EE for 1 hour, Indo & Western mx, fair (Brown 9/26, Poppin 9/11, Zilmer 9/17).
11800 ITALY RAI; 1935-1955*, nx, comment, mx, // 7275 (Zilmer 9/17).
11805 BRAZIL R. Globo; 2342-0044 PP, rock mx with plentiful IDs (Poppin 9/10, Osterman 9/29).
11810 ALGERIA (tent) 2014 AA (Conover 9/25). Cf. 11812 -ed.
11810 INDIA AIR; 1445-1500 EE w/Indian mx, 1455 nx, fair (Bogel 9/23).
11812v ALGERIA Rdf TV Algerienne; 2220+ AA, recitations, up from 11810, // 9685; strong both freqs (Young 9/16).
11815 NETH. ANTILLES TWR; 1209 EE, rel. pgm. (McIntosh).
11830 CHINA-Changsha (Hunan Province) "Voice of the Malayan Revolution"; 0952-0957* EE, Mao eulogy & praises; following Internat'l at 0956 "This is the VNR - Goodbye" (Poppin 9/11). Site: BBCMS-ed.

- 11830 USSR "Radiostantsiya Rodina"; 1433-1500 RR, classical mx and tlks by M, wiped out by VOA-Greenville at 1500 (Florian 10/3, Trautschold 10/7). John, correct me if I'm wrong, but this does appear to be your unit. "R. Santa Maria" -ed.
- 11835 ECUADOR HGJB; 0332-0400 RR, ID, RR religious (Poppin 9/12).
- 11835 HAITI 4VEH; 1100-1315 EE, rel pgm, local wx (6 reporters).
- 11835 SRI LANKA SLBG; 0108-0135, ?-lang, YL DJ, sitar mx, trans-polar flutter but good sig. R. El Espectador usual here (Abraham 9/17).
- 11835 SUDAN R. Omdurman; 1753-1820 AA, ID at 1800, then news, fading and QRM after 1820 (Beaudoin 9/27).
- 11835 URUGUAY R. El Espectador; 0000-0025 SS, nx, ID, tlks, L.A. mx, fair but some QRM from 11830 VOA (Florian 9/20, Bishop 9/8).
- 11845 KUWAIT RK; 1710-1733 EE, US rock mx, ID, nx, fair/good signals (Florian 9/11, Muszynski 9/21, David Snyder 9/14).
- 11860 KOREA (SOUTH) RK; 0330-0451 EE, "Magazine Show"; 1000 EE, nx, // 9640; *1301 FF; 1330+ EE; 1815-1830 EE (7 reporters).
- 11865 CUBA RHC; 1759 SS, ID & mx, fair (Trautschold 10/5).
- 11865.8 BRAZIL R. Clube Pernambuco; 2200-0335 PP, excited M anmr w/echo, pop rock, jingles, ads, Brazilian mx (Hall 9/28, Poppin 9/9, Zilmer 10/2, Bishop 10/2, Walcutt 10/11).
- 11870 NEW ZEALAND RNZ; 0306-0315 EE, terrific!!; good (Poppin 9/8).
- 11880 TURKEY VOT; 2218-2229 EE, tlk about Int'l Ct. of Justice decision re. 12 mile fishing limit, fair (Earhart 9/13). Hrd 0030* EE (Walcutt 10/26). 0347-0353 Turkish (Poppin 9/10).
- 11890 PHILIPPINES FEBC; 0938-1103 EE & Indonesian (Poppin 9/11).
- 11900 SOUTH AFRICA R. RSA; 2226-2320 EE to N.A., //9585, 5980 (Earhart 9/13, Mooney 10/1, Thompson 10/5, Davenport 9/8).
- 11905 ITALY RAI; 1905-1915 ?-lang, East-West mx, fair (Brown 9/7); 1945 EE, bad DW QRM (Osterman 9/13).
- 11910 ECUADOR HGJB; 1239-1505 SS, nx & mx (Noonan 9/19, Poppin 9/26).
- 11910 HUNGARY R. Budapest; 1050 EE, dx pgm, poor (Osterman 9/12).
- 11915 BRAZIL R. Gaucho; 2325 PP, fair, // 6135 (Zilmer 9/20).
- 11920 IVORY COAST R. Côte d'Ivoire; 1915-2300 FF, African songs and U.S. soul music, IDs, good (Overcamp 9/25, Hancock 9/7).
- 11920 SPAIN RTVE-RNE; 1130, 1855-1928 SS to Europe, good but Abidjan QRM in latter period (Brown 9/26, Overcamp 9/25, Trautschold 10/5).
- 11920 PHILIPPINES FEBC; ?-lang, musical variety 1106 (Poppin 9/11).
- 11925 BRAZIL R. Bandeirantes; 2215-0200 PP, pops, jingles, ads, etc. (Earhart 9/25, Osterman 9/30, Zilmer 10/4, Mooney 9/28). Produces a het & at times seriously degrades TWR on this freq -ed.
- 11935 BRAZIL R. Clube Paranaense; 2315-2335* PP, L.A. mx & tlk, ads, rooster crow at 2328, s/off & ID 2335 giving // freqs as 1440 & 6045 (Brookwell 10/4); Brazilian mx & ads, farm animal sounds, sirens Curitiba announced as location at 2334 (Zilmer 10/4 too!).
- 11935 PORTUGAL RP; 0245-0256 EE, nx, 0255 ID, poor (Golden 9/17).
- 11935 SRI LANKA VOA-Colombo; 1428 EE, nx summary, 1431* (Florian 10/3).
- 11940 SAUDI ARABIA BSKSA-Riyadh; 1748-1955 AA, Holy Qur'an, co-channel QRM from ORJ-Belgium (Overcamp 9/14). Atsa way, Tom! -ed, hi!
- 11945 CHINA R. Peking; 0000-0352 EE, CC, SS(?) (Many reporters).
- 11945 LIBERIA ELWA; 2007-2050* EE, Vern. Several contradictory reports received in regards to language and freq - can anybody help? -ed.
- 11950 HOLLAND RN; cf. Sept. "D" section this freq - the new DXJB "Espacio DX-ista" host is named Alfonso Montealegre not Jorge; I was confusing the name with that of his predecessor (Hauser). Tnx! -ed.
- 11955 SWEDEN RS; 0645 Swedish into Italian, good (Brookwell 10/3).
- 11960 ISRAEL IBA; 0341-0352 RR, tuning sig until 0345 (Poppin 9/9). 1900-1955 RR, ID, nx, free from jamming! (Schwartz 9/18). 2000-2011+ EE to Eur. & Afr., nx & tlks, poor, Radio Moscow QRM on same frequency (Florian 10/5, Ostermann 9/15).
- 11965 AUSTRALIA RA; 1530 EE, mx, TC, ID, nx (Noonan 9/19).
- 11975 USSR "Mayak"; 0329-0336, chimes "Moscow Nights", Moscow time "sheest chasov tritziit minoot" (6:30), articles from Pravda on friendship USSR/Yugoslavia, Shostakovich's birthday, weather in Moscow followed by balaika folk mx, excellent (Poppin 9/24).
- 11980 CHINA RP; 1140-1150 CC, 0200 SS, 0330 ?-lang (Asian) (Brown 9/25, Walcutt 10/15, Hall 10/2).
- 11990 CZECHOSLOVAKIA R. Prague; *1729-1810+ EE, nx, pop mx until sign-off (Florian 9/11, Golden 10/11).
- 12000 USSR RM; 0350 EE, 1731 Swahili, poor (Poppin 9/13, Florian 9/11).

- 12060 USA AFRTS-Bethany 0400: 6030 x 2; loud (Walcutt 10/14).
- 15100 ISRAEL IBA; 1200-1235 EE, nx to N.A., fair (Mooney 9/26, Zilmer 10/2, Beaudoin n.d.). 1715 RR, time pips, ID (Florian 9/11).
- 15100 USSR "R. Kiev"; 0030-0058 EE, DX pgm 1st and 3rd Monday of each month (Tues. GMT for this tx -ed) (Thompson 10/5, Poppin 9/6). 0131-0145 & 2356-0000 R. Moscow in EE (Golden 9/14, Florian 10/3).
- 15105 GRENADA RG; 2026-2041 EE, birthday greetings, nx, and musical request show (Osterman 9/17, Mooney 9/18). 2140-2155, ads for Nescafe & Bank of Commerce (Scott Newman 10/12, Florian 10/5).
- 15110 PAKISTAN RP; 1100-1115 EE to U.K., poor (Camillo 9/29).
- 15120 SWEDEN RS; 1500-1528 FF, tlk, mx, poor (Zilmer 9/17).
- 15125 GERMANY (EAST) RBI; 1200-1230 EE, nx, cmtry (Camillo 10/8).
- 15125 PORTUGAL Emis. Nacional; 1519 PP, sporting event (Florian 10/3).
- 15135 GERMANY (WEST) DW; 1745* EE, fair (Florian 10/2).
- 15140 SWITZERLAND SBC; 1315-1345 EE, nx, etc. (Jones 9/25, Snyder 9/14).
- 15145 BRAZIL R. Jornal do Comercio; 2105+ PP, ball game w/many IDs given on the run, really excellent signal (Walcutt 10/17).
- 15150 GERMANY (WEST) DW; 1930-2000* EE, Afr. Svc; into FF at *2000 (Conrad 10/8, Conover 9/11). Assuming not Kigali -ed.
- 15155 FRANCE RFI; 1640 FF to 1700 EE to Afr., ann 9/26 time changes (Noonan 9/19, Filka 9/19).
- 15160 AUSTRALIA RA; 0355 EE, usual pgm, fair, // 15290 (Walcutt 10/14).
- 15160 MEXICO XEW; 0203 SS "V. de la America Latina", poor (Wolfish 9/6).
- 15165 DENMARK RD; 1535-1730, Danish w/EE IDs on half-hour, mostly tlks (Overcamp 9/26, Brookwell 9/16, Boomer 9/12, 9/9; Conover 9/6, Schwartz 9/6). After hitting Greenland beams to Midwest N.A. -ed
- 15175NF MEXICO XEW; LV de la America Latina, 2350-0001 SS, classical mx, occasional band mx, poss. sporting event (Florian 10/4, K. Willis 10/2). Both given as tentative but both agree -ed.
- 15175 NORWAY RN; 1600-1727 NN, EE Sundays; EE IDs, "Cultural Comments", good (Brown 9/12, Strong 9/12, Brookwell 9/16).
- 15180 U.K. BBC; 1657-1720 AA svc. to M.E. (Conover 10/2, Bryan 9/26).
- 15180 USSR "RSP&P" (-Nikolayevsk?); 2330 IS following piano mx & talks (Brookwell 9/15).
- 15190 CONGO REP Rdf TV Congolaise; 1839-2157 FF, EE; EE usually seems to be from 2100-2130 w/nx, mx between items, cmtry (Drennan 10/2, Florian 9/11, Mooney 9/18, Wolfish 9/6, Jones 9/26, Conover 9/25).
- 15200 FRANCE RFI; 1700-1800 EE "Paris c/Africa" (5 reporters).
- 15220 S. AFRICA R. RSA; 1300-1315 EE to C.&E. Africa (Camillo 9/28).
- 15225 TUNISIA Rdf TV Tunisienne; 1855-2050 AA with Koranic chanting and string music (Bryan 9/6; Abraham n.d.).
- 15235 PHILIPPINES FEBC; 0030 EE, nx, announced //s 11890, 17810, 21515; fair (Brookwell 9/15).
- 15240 YUGOSLAVIA R. Belgrade; 1530-1600 EE, nx, cmtry, E (Camillo 10/3).
- 15245 BRAZIL R. Nac. Brasilia; 2115-2140 EE, "The day's special pgm" exemplifying regional mx styles & historical background. Loud het vs. ZAIRE; latter about 15244.5 but RNB also drifting and xmtr abruptly left air at 2140* mid-program (Walcutt 10/17).
- 15250 ROMANIA R. Bucharest; 1300-1330 EE, nx, cmtry (Camillo 9/28).
- 15265NF FINLAND RF; 1900-1929 EE, rep. 15110 to Eur & Afr (Boomer 9/28).
- 15270NF FINLAND RF; *0600-0730*, also on this freq 1000-1100, and on 15265 at 1700-1930 (Wootten-SARDINIA 9/23).
- 15270 TAIWAN VOFC; 2307-2330 KK, Taiwan mx, good (Cain n.d.).
- 15273 URUGUAY SODRE; 2330 SS, L.A. & pop mx, vocals (Zilmer 9/19).
- 15290 AUSTRALIA RA; EE to Pac, Af, & As pgm 0420-0445 (Bogel 9/10).
- 15290 PHILIPPINES VOA-Tinang; *0000-0033 EE, good (Florian 10/4, Conover 9/11).
- 15320 NETH. ANTILLES RN-Bonaire 2322 SS, Austrian Operetta (Schwartz 10/3). Cf. Oct. LR; now back on channel, also 15220 -ed.
- 15325 UGANDA UBC; 1816-1901* EE & FF, xmsm to West Africa, good when RCI QRM is down (Zilmer 10/13, Boomer 9/28).
- 15330 MOROCCO Rdf TV Marocaine; 1300 AA, chanting and choral music, tlk, // 15360, poor (Zilmer 10/3).
- 15335 AUSTRIA ORP; 1657 GG, 1840-1855*EE (Florian 9/11, Drennan 10/2).
- 15340 PORTUGAL Emis. Nac (RP); *1800+ EE, IS, chimes, ID, // 17880 (Brown 9/22, Trautschold 10/5, S. Newman 10/16).
- 15345 GREECE V. of Greece; 1215-1230 EE, nx (Camillo 10/3), 1515-1525 EE, 1525 Greek, poor (Earhart 10/2), 1713 Greek (McIntosh).
- 15345 NORWAY RN; 1405-1415 EE, low het QRM (Conover 9/12, Walcutt 10/24).

- 15349.4 LUXEMBOURG RTL; 1300-1330 FF, call-ins, ads 1306 for bicycles, inst. coffee, soup, Pierre Richard film; het w/Zaire 15350, this station a regular 1200-1500 whenever Paris & Berne are good on 19 m., I don't know why not reported more often, hi! This freq is a direct relay of 236 kHz. but never 6090 kHz. (Walcutt 10/9).
- 15350 ZAIRE La V. du Z.; 1929-2035 FF, tlks, African mx, nx (Muszynski 9/13, Filka 9/14, Strong 9/11).
- 15385 MEXICO RM (XERMX); 2140-0006 SS, Mexican mx, ID in EE at 2147, freq ann. 2200 (Golden 9/19, Stauner 9/23, Earhart 9/28).
- 15400 VENEZUELA R. Nacional; 2214-2235 EE, magazine into PP at 2224, v. good (Krueger 9/10); 2300-2325 SS, mx, F ann, good (Hall 9/27).
- 15410 RWANDA DW-Kigali; *2200 GG, ID then nx for S.Am, fair (Brown 10/3).
- 15420 CYPRUS BBC-Limassol; 1705 EE, nx & comment, poor, QRM 15425 RFI (Florian 9/11); 1800 AA, EE ID & Great Tom (Bryan 9/27).
- 15420 JAPAN NHK; 0130-0230 EE to WCNA, good (Bryan 9/28, Brown 9/7).
- 15425 FRANCE RFI; 1725-1735 EE to Africa, poor w/fading (Bogel 10/4).
- 15425 TAIWAN VOFRC; 0015-0030 CC, M ann w/western mx, F ann 0025, // 17890, both freqs fair (Hall 10/8). 0200-0239 EE, nx, cmntry, inst. mx, EE/CC ID on half-hour (Glazzy 9/9, Thompson 9/28).
- 15430 SWITZERLAND SBC; 1540-1600 EE (Camillo 10/3); 1650-1658 FF (Earhart 9/25). According to a recent SW M-G-R this txmn was unintentionally beamed to N. Am. instead of to Asia as is normal -ed.
- 15435 AUSTRIA ORF; 2100-2215 SS, GG to S. Am (Bryan 9/6, Osterman 9/28).
- 15435 TANZANIA RT; 1800-1930 EE, nx, cmnt, pgm on African novelists, poor (Florian 10/2, Beaudoin 9/16).
- 15475 EGYPT R. Cairo; 1610-1620 AA, mx then narrative, p (Earhart 9/25).
- 15503 SWITZERLAND SBC; 1120+ EE, Lenk or Sarnen testing or SNAFU at another site? M. All interview, 1129 cut off before closing announcements (Hauser 10/4). What does SNAFU abbrev., Glenn? -ed.
- 17530 CHINA RP; 0135 SS, poor (Bryan 9/28). /man 9/6).
- 17630NF ISRAEL IBA; 1428 Yiddish, nx, 1430 RR. v. poor, // 17685 (Oster-)
- 17670 EGYPT R. Cairo; 1755-1830* AA, Koran, fair (Brown 9/7, Yajko 10/2).
- 17685 ISRAEL IBA; 1215-1230 EE, HS nx, wx, f (Camillo 9/17, Jones 9/26).
- 17720 USSR RM; 2312 EE to Africa (Poppin 9/16).
- 17725 EGYPT R. Cairo; 1822 AA, tlk, mx, poor (Bryan 9/26).
- 17765 RWANDA DW-Kigali; 1200-1245 EE, exc, // 15410, 17880 (Camillo 10/8).
- 17780 FRANCE RFI; 1220-1230 FF, vocals, fair (Earhart 9/10).
- 17795 AUSTRALIA RA; 0114-0124 EE, nx, cmntry (Golden 9/14).
- 17795 NORWAY RN; 1600 EE to N.A., "Norway this week" (Zilmer 9/19).
- 17800 FRANCE RFI; 1604 EE, "PCA", // 17720, 17850 (Brown 9/12).
- 17800 GERMANY (EAST) RBI; 1305-1325 EE to Africa, fair (Beaudoin 9/8).
- 17810 PHILIPPINES FEBC; 0115-0130 EE, ann'd //s 11790, 15235, 21575; hrd 15235 only (Hall 10/6).
- 17820 CANADA RCI; 1805 EE, nx, cmnts on Africa (Beeson 10/8).
- 17825 VATICAN VR; 1700-1715 EE, cmntry, // 15165 (weaker) (Beaudoin nd).
- 17830 GREECE VOG; 1500-1524 EE, nx, IDs (Beaudoin, Boomer 9/28).
- 17840 ASCENSION IS. BBC W.S.; *1459-1615 EE (5 reporters).
- 17840 USA WYFR; 1730 FF, rel. tlks, mx, etc. (Trautschold 10/7).
- 17855 LIBERIA VOA-Monrovia; 1727 ?-lang, IDs (Trautschold 10/5).
- 17870 LIBERIA VOA-Monrovia; 1610-1844, nx, etc. (Brown 9/12 Bryan 9/26).
- 17880 PORTUGAL RP; 1817 EE, 1830 PP, cmntry & mx (J.Hill 9/14, Traut-
- 17885 USSR RM; 1500-1530 EE, Afr. Svc. (Camillo 9/15). /schold 10/7).
- 17890 TAIWAN VOFRC; 0150 CC, fair (Bryan 9/28).
- 17895 PORTUGAL RP; 1605-1620 EE, nx, "Art & Culture" (Osterman 9/15).
- 17900 VATICAN VR; 1705- 1715* EE, F tlk (Trautschold 10/5, Conover 10/2).
- 17920 EGYPT RC; 1330 EE, nx, poor (Beaudoin 9/8).
- 21535 SOUTH AFRICA R. RSA; 1447-1600 EE (Mooney 9/25, Conover 9/26, Osterman 9/22, Mulvey 10/2). Per RSA sched, on weekdays EE 1300-1456, 1456-1550 Swahili, 1556-1650 EE; and on weekends EE is carried continuously 1300-1650 (due to sports pgm) -ed.
- 21585 SWITZERLAND SBC; 1650 FF, 1708 SS; f/p (Walcutt 10/17, Conover 10/2).
- 21590 SAUDI ARABIA BSKSA; 1355-1415 AA, tlks & M.E. mx, fair and only readable signal on the band at this time today (Cress 9/25).
- 21670 USA UN-Radio; 1712 EE, Kissinger's report to UN (Conover 10/2).
- 21685 MALAGASY REP RN-Taalata; 1555-1630 AA, tlk, mx (Cress 9/25).
- 21720 PORTUGAL R. Free Europe; 1420 ?-lang, exc, jammers almost inaudible underneath (Walcutt 10/11).
- 21740 USA VOA-Greenville; 1714 Swahili to Africa (Conover 10/2).

Keep those reports coming, conditions have been picking up! 73's, *Dave*

Let's see, we had 77 reporters this month, which amounts to about 6% of our current membership. Poor %. Special thanks to 19 new reporters this month!

Larry ABRAHAM, Bridgeport, MI (HQ-180A)...David BALL, Downsview, Ont.Canada (DX-150A)...Robert BEAUDOIN, Bridgeport, CT (R-388)...Gerry BISHOP, Christiana, PA (DX-160)...Bill BOGEL, Santa Barbara, CA (RF-1150)...Bruce BOOMER, Nutter Port, WV (HQ-180/HQ-200)...Almost forgot Jim BEIRS, Wheaton, IL... Larry BROCKWELL, San Diego, CA (R4B)...Noel BROWN, Ann Arbor, MI (SB-313)... Jim BRYAN, Tracy, CA (SPR4)...Robert BUTTERFIELD, Belmont, MA (HQ-100/BC221) Roy CAIN, Monroe, LA (DX-160)...Michael CAMILLO, Brooklyn, NY...Jack CONOVER Pittsburgh, PA (SPR4)...James CONRAD, Waterloo, IA (HQ-160/XCR-30)...Kent CORSON, Dubuque, IA (HQ-200)...Geoff COSIER, Burwood, Vic, Australia (Tric 9R5DS/Sony CRF160)...Hadley CRESS, Harrisonburg, VA (R4C/HRO-500)...William DAVENPORT, Nashville, TN (DX-160)...William DRENNAN, Rosemere, Que, Canada (9R-59D)...Paul DVORACHEK, Wauwatosa, WI (DX-150A/SSR-1)...Kenneth BARHART, Allentown, PA (DX-150/SX-190)...Marlin FIELD, Hillsdale, MI (SX-100)... Dennis FILKA, Parma Hts, OH (SPR4)...Jay FLORIAN, Round Lake, IL (SPR4)... Charles GEORGE, Dallas, TX (StarRoamer)...Myron GERCKEN, Watska, IL (DX160) Mike GLAZZY, San Jose, CA (SX-130)...Jay GOLDEN, Chicago, IL (51J4/SX-190). Tom HALL, San Francisco, CA (SW4A)...John HANCOCK, Mobile, AL (SPR4)..... Editor Glenn HAUSER, Knoxville, TN (HQ-160)...HIGHLAND S.L.I.C. CLASS, (whazzat?) Denver, CO (DX-160)...William HOHNSTEIN, Lincoln, NE (SB-300/FT-101E)...Joe IHNAT JR, Coraopolis, PA (DX-160)...Jack JONES, Jackson, MS (DX-160)...Gib JUNQUA, Osaka, Japan (R4C)...Larry KLASSMAN, Wilmette, IL (TransOceanic)...Terry KRUEGER, Casselberry, FL (QR-666)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Daniel LUCE, Austin, TX (SW717)...Robert McINTOSH, London, Ont, Canada (FRG-7)...William MANN, Brantford, Ont, Canada (SX-190)...Publisher Alan MAYER, Park Forest, IL (SPR4)...Robert MILLER, Center Valley, PA...Brian MOONEY, Islington, Ont, Canada (FRG-7)...Editor John MORITZ, Youngstown, OH (HQ-180)...James MULVEY, Seaford, NY (DX-160).. Ted MUSZYNSKI, Wallingford, CT (DX-160)...Scott NEWMAN, Lincolnwood, IL (RP-5000A)...Mike NIKOLICH, Wheeling, IL (SPR4)...Timothy NOONAN, Milwaukee WI (SW4A)...Sydney OSTERMAN, Toronto, Ont, Canada (FRG-7)...Tom OVERCAMP, Seneca, SC (SP-600/BC-221AK)...George POPPIN, San Francisco, CA (CRF-5090). Editor Greg RAVENHORST (hey, that's me!!!)Hollandale, MN (R4C)...Mike RICHARDSON, Glens Falls, NY (Patrolman 10)...Don ROJEWSKI, Tacoma, WA(DX160) Bob SCHNECK, St. Louis, MO (SPR4)...Richard SCHWARTZ, Dover, DE (SX-190/S108 Dan SHINGLER, St. Clair Shores, MI (DX-160)...David SNYDER, Brooklyn, NY (DX-160)...Rodney SOBIN, New York, NY (S-120/GE Portable)...Dan STAINER, Madison, WI (DX-120)...Robert STRONG, Lowell, MA...Leon TANNENWALD, New York NY (SPR4)...Glenn THOMPSON, Deming, NM (HQ-145A)...John TRAUTSCHOLD, Menomonee Falls, WI (SP-600/SB-310)...Kent WILLIS, Louisville, KY (SP-600)..... Niel WOLFISH, Toronto, Ont, Canada (GR-78)...Frank WOLTMAN, Cambridge, WI (DX-160)...Charles WOOTEN, USN, Sardinia, Italy (R4B)...Robert YAJKO, Leechburg, PA (SPR4)...Scott YATES, Old Hickory, TN (SB-310/S-76)...James YOUNG, Wrightwood, CA (HQ-180A)...Robert ZILMER, Milwaukee, WI (SPR4/R390A) Let's see again, I almost forgot you too, Jim FEDOR, Burlington CT.....

* * * * *
HELPING HAND: For Sale. Drake SSR-1, 5-30 Mhz, better than 5 kHz readout, new condition, \$250. Contact Richard Mitchell, 10095 Alhambra Ave., Cupertino, CA 95014.

HELPING HAND: For Sale. Hallicrafters S-107, mint condition, 540 kHz-56Mhz, continuous, charts are available. \$100 plus UPS shipping. Contact: Ernie Nahler, 8208 W. Daphne St., Milwaukee, WI 53223 or call 414/353-4652 after 23:00 GMT.

AGAIN, REPORTING PROCEDURE EXPLAINED: This is the last time I'm going to detail it out to you for a while, so please take note of this when you report. If you still aren't clear after reading this, then report anyway, and ask me whatever questions that you may have on it, and I'll try to answer it. (1)-If possible, use NASWA report forms, which can be gotten from me for 28¢ in stamps, and a large envelope. This will get you 20 report forms (which will give you room for 200 reports) via 3rd class mail. (2)-If you can't afford the forms, or just plain don't want to use them, then double-space between each line, and triple space between each report. (3)-Write or type up your reports from the lowest frequency to the highest. (4)-Cut apart the reports from each other, and put in order from low to high (5)-If you don't use the report forms, use only one side of the paper. (6)-Send the reports to me, not the individual editors. (7)-Lastly, be a little neat. That about covers it. I did throw out some reports this last month, mainly because they were single-spaced, or unreadable, or written on both sides of the paper. So, if you'll do this stuff, you'll help standardize reporting technique, and make it ALOT EASIER! FOR US! Now you have no more excuses not to report. LET US KNOW WHAT YOU'RE HEARING! Well, I'd better go. I see it's snowing again. HIEE!!! 73's, *Greg*

NASWA

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