
ANARC-1976
July 23-25



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North American SW Association

JULY - 1976

P.O. Box 13

Liberty IN 47353

- Loudenboomer -

- report -



Hey gang, it's time for that feature of the Loudenboomer Report that I know you've all been waiting for...the first annual Shortwave DX Listener Sweepstakes contest!!

Having noted recently, that contest rules printed in other bulletins have come under attack on grounds that they are unfair in one respect or another, I've carefully studied the various rules and have come up with a set of Sweepstake instructions which I'm sure everyone will find both equitable and simple. As a result the winner of this long awaited contest will have the satisfaction of knowing that he is truly the top DXer in the hobby today! Read the following rules carefully, memorize them, then sit down before your receiver and GO GO!

SHORTWAVE DX LISTENER SWEEPSTAKES

Dates and Time: July 15-16, 1976. Loggings are to be made between 0300 and 2300 on the dates stated. Times are to be local Daylight time, except in areas of the country which remain on standard time during the contest period. If your state remains on normal time, use GMT, except of course, west of a line from Valdosta, Ga. to Grand Forks, N.D. If you live in this latter area, submit your logs in Mountain Daylight Time (with the exception of Idaho and Missouri, where the time factor is optional).

Who May Enter: Any reader of the Loudenboomer Report, who (1) has a shortwave receiver, and (2) has passed his 14th birthday on or before Jan. 15, 1976, but who is under 65 yrs. of age. In addition, anyone else who has been active DXer for less than six months as of Feb. 25, 1976, may enter, but is not eligible for an award certificate.

Contest Frequencies: Loggings may be made on any frequency in the 49, 31, 25 and 19 meter bands, but entries should be submitted in one of the following categories only:

(1) Individual Band, (2) All Band, (3) Combination of any two of the approved bands except, for obvious reasons, the 49 and 19 mb. If a combination band entry is submitted, the contestant must not have over 30% of his total points in more than one section!

Entries: All Sweepstakes entries must be made on an official entry blank. Any log submitted on any other form other than an official blank, or a notarized photostatic copy, or a reasonable facsimile, will be automatically disqualified. Official forms are available from Charlie Loudenboomer, postpaid for \$1.50 in cash. (No stamps please!)

Point Scoring: Raw score - 1 point to be scored for each broadcast station heard in each band. Outlets of the same broadcaster may be counted twice if their operation freqs are within 500khz of each other. Add two extra points for DX specials or three for transmission in one or more of the following languages: Hindustani, Maori, and Pidgin English. (One aim of this contest is to encourage entrants to improve their language skills!) All Africans and Asian stations logged between the hours of 0500-0700 (see contest time rule above.) qualify for bonus points of 7.5 each. In addition, extra bonus points will be allowed for

other loggings on the following basis; 6 points- station located in Oceania, except Okinawa (VOA Relay) and Nibi Nibi; 14 points- any South African transmission beamed to Greenland by a station running under 400 watts ERP. Jammers will not be counted under any circumstance.

Distance Factors: To equate the scores on the basis of receiving locations of entrants, persons living east of Miss. should multiply all bonus points by three; those west of Miss. divide bonus points by a factor of 5. Exceptions to these rules are listeners residing within 50 miles of the Atlantic, Pacific or Gulf coasts, who may not score any bonus points for this reason for this rule should be obvious to all. I want to be fair!

Tube Factor: Receivers with over 18 tubes, multiply raw score by 2; receivers with 4 to 8 tubes, multiply by 7; receivers with 1 to 4 tubes, multiply by 19; crystal sets or receivers with no tubes, multiply by 48.

Miscellaneous: Rules must be strictly adhered to! All entries must be in hands of contest manager, Charlie Loudenboomer, no later than 1800 GMT July 31. Entries will be very carefully checked. A 1% error factor will be allowed, but entrants with greater percentage will be disqualified. Remember, neatness counts!

Through an arrangement with my uncle, a haberdasher, in the case of prizes, duplicate entries will be awarded! Good luck to all!

Charlie Loudenboomer

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
July, 1976

NEW FRENDX FEATURE: In the June issue of FRENDX, we mentioned the possibility of Ed Shaw returning to the editorial staff of FRENDX. We are pleased to announce that in the near future, a new section to be known as "QSO/NASWA" will appear regularly in FRENDX with Ed as the editor. It has not been determined as yet if this new section will appear monthly or bi-monthly. The future support to this new section may have a bearing on how often it will appear. The column will somewhat follow the format of one of Ed's earlier FRENDX columns of a few years back which dealt with excerpts from member letters and appropriate answers dealing with technical questions, membership comments and musings, and what have you. In Ed's first column, he will outline the ground rules, but in the meanwhile start sending a lot of letters with questions and comment for the first "QSO/NASWA" column which will appear soon. *Mail all material direct to: Edward C. Shaw, QSO Editor, P.O. Box 7053, Lexington, KY 40502.

A FEW WORDS ABOUT THIS MONTH'S FRENDX: This issue of FRENDX is going into the mails a few days later than scheduled due to a last minute situation which called Distributing Editor Greg Ravenhorst out of town for a few days just at the time he would be processing the log reports, so it was necessary to delay publishing for a few days to give the editors a little more time to get their work completed.

On this same subject, it would be appreciated if people would not write to HQ saying they had not received their FRENDX until at least the 15th of the month. The scheduled mailing date for FRENDX is usually the first Saturday of the month, so there is no fixed date the mailing will occur. If you have not received your FRENDX by the 15th, then please do tell us about it.

Perhaps you will have noted that this issue has a slightly larger appearing printing. We are trying with this issue, a slightly less reduction in the hopes that it may make for easier reading. By going to the larger printing, we are losing some content space, but hope the easier reading may justify a slight loss in content. Membership comment on the new format will help us determine if we will stay with the new printing size or return to the usual format. A postcard with your comments would be fine.

NASWA QUESTIONNAIRE: The recent NASWA survey has been a tremendous success! As of June 17, a total of 694 questionnaires had been returned, and we do expect more since the deadline for all to be in is not until June 30. Approximately 1,000 questionnaires were mailed to members in the United States. NASWA member Kim Andrew Elliott, who developed the questionnaire and will compile the results says he is well pleased with the response and wishes to extend personal thanks to all who responded. We hope the final results can begin to appear as early as the August FRENDX.

NEW LR-B EDITOR NAMED: We are very pleased to announce that Sam Barto, Watertown, CT will take over as LR-B editor, replacing Kent C. Corson effective with the October issue of FRENDX. Sam is well qualified, having been active in the hobby about 11 years with over 200 countries verified, and has been Statistics and QSL Editor for Newark News Radio Club for quite a while. We are fortunate Sam was available, and will look forward to having him on the staff in coming months.

FRENDX COVER COMPETITION: The June issue of FRENDX mentioned we would announce the details for a new FRENDX cover design competition. Unfortunately, we have not been able to give sufficient thought in this area in time to make the announcement this month, but will try for the August issue.

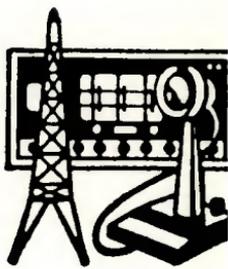
A PERSONAL NOTE: Last month, Greg Ravenhorst threw a bunch of roses in the direction of this editor and Publisher Alan Mayer. Appreciation is extended to all who took time to send a card or note, but attention is called to the fact that there are twelve other names listed on the rear cover who deserve equal recognition for any success we may have.

Regards & 73's

M. R. Leonhardt
M. R. Leonhardt
Executive Editor - FRENDX

LATE FLASH: "QSO/NASWA" STARTS
THIS ISSUE, PER QSO 18-19.

Shortwave Center



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

JULY 76

Greetings to NASWA members around the world. This is a very special month in the United States, our 200th birthday as a nation. We hope that you will enjoy the material in FRENEX this month and in all months. Contributions to FRENEX come from you, the members and readers. Shortwave Center needs long and short articles on interesting aspects of shortwave radio broadcasting, receivers, antennas, technical aspects, stations, history, and so on, from you. Send your contributions to Shortwave Center to your editor, listed above, and timely material should be here by the 10th of the month.

FREEDOM OF COMMUNICATION

An editorial by Jerry A. Lineback, Shortwave Center Editor, for the Bicentennial

This month we celebrate the 200th birthday of the Declaration of Independence, the point in time that we use to mark the beginning of the nationhood of the United States of America. We all remember, of course, that in 1776 there was not one free nation in America, but 13 independent States. Confederation and Union came years later. Nevertheless the Declaration of 1776 shows the influence of the minds of the founding fathers who were dedicated to establishing a new and more free society in America. The desire for personal freedom as well as national independence was later embodied in the Constitution of the new United States.

We American DXers have a great stake in the personal liberties guaranteed to us by the sacrifice of those who fought the War of Independence and who guided the country along the path to constitutional government. We have the right to purchase a radio capable of receiving foreign countries without permit, special tax, or restriction. We can listen to that radio in privacy in our homes without fear of evesdropping or intimidation. We can listen to all countries regardless of whether they are friendly or unfriendly with our government.

We have the freedom to communicate with radio stations around the world for the purpose of exchanging information and collecting QSLs. This freedom of innocent personal communication (in the absence of a legally declared state of war) extends to even those countries not friendly to the U.S.

But, "Eternal vigilance is the price of liberty." We are all aware of laws proposed in the name of "security" that could restrict freedom of communication. Several DXers are known to have come under "mail cover" operations of "security" agencies for receiving mail from unfriendly countries.

American DXers should pause during this 200th birthday month to give thanks for the freedoms we have and to rededicate themselves to vigilance in the preservation of those liberties.

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LANGUAGE IDENTIFICATION

by Morgan Monroe, Sandpoint, Idaho

Inherent in SWBC reception is the frustrating old problem of foreign language recognition. As most of us who tune the SW bands seldom have working knowledge of more than a few languages, the problem is shared by many.

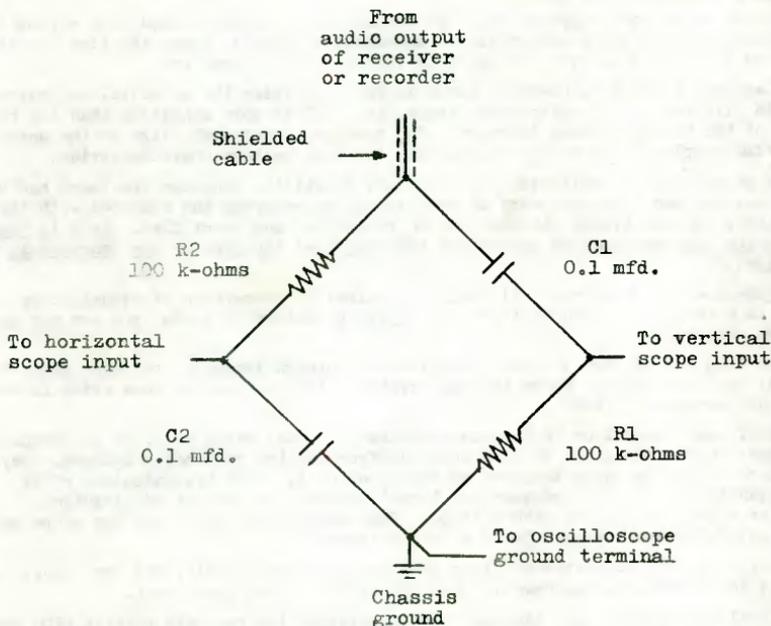
There is a way around this handicap--one that does not require learning additional languages. I have been experimenting for two years with a system of visual electronic language recognition that works. It is available to any SWL who owns or has access to an oscilloscope and reel-to-reel recorder with slow tape speeds.

Lacking an identifying name for the system, I have termed it the Visual Electronic Language Comparator (VELC). Key component of the system is a simple, inexpensive phase-shift network of two resistors and a like number of capacitors.

Phase-shift networks are not new or unusual. They have long been used in a number of electronic applications. So far as I know, however, the device has not been employed previously in investigation aimed at visual comparison and recognition of foreign languages.

To construct a VELC network, you need only connect resistors and capacitors in the simple "bridge" circuit shown in the diagram below. Resistor values of 100 kilohms together with 0.1 microfarad capacitors will give satisfactory performance.

VELC PHASE-SHIFT NETWORK



Each pair of components must have identical electronic values and fairly low tolerances; 5% resistors and 10% capacitors are satisfactory. To avoid component breakdown, resistors should be rated at not less than two watts and capacitors at a minimum of 300 WVDC.

For casual VELC experimenting, network components may be assembled rapidly in "bread-board" fashion. Continued use, however, requires greater durability and convenience. Networks used here are assembled in metal miniboxes. A phono jack and three binding posts serve as exterior connectors. For trouble-free operation, interior network connections should be soldered.

The audio output of the SW receiver or, preferably, of a tape recorder containing the received foreign language specimen, is connected with the network input. Vertical and horizontal oscilloscope inputs are connected at points indicated in the circuit diagram. A common lead links the network ground point with the scope's ground terminal. Any simple scope may be used; neither sweep nor sync circuitry is required and only audio frequencies are involved.

The received language specimen is fed into the network. By manipulating the recorder's audio gain control and the scope's vertical and horizontal amplifier controls, a pattern of moving traces is produced on the scope screen.

The display takes the form of irregular closed traces appearing to radiate about a central focal point much as ripples move about the spot where a tossed stone strikes standing water. In theory, the "lissajous" figures seen on the scope screen may be considered as the motion of a point on the circumference of a rotating circle, the center of which is orbiting about a fixed point.

The effect, elliptical rather than circular in VELC patterns, is accomplished by the

two "legs" of the phase-shift network. Its resistance-capacitance leg induces in the signal a lagging phase shift 90 degrees from the leading phase shift of the capacitance-resistance leg. The scope display therefore offers visual representation of sound pressure versus the time derivative of sound pressure.

When generating such pressure in the form of speech, the human voice produces many distinctive sounds. And sounds generated in different languages create substantially varying VELC scope patterns. In observing these, the bright central spot should be disregarded; it represents only the background noise level.

Without getting into the complexities of phonics and linguistics, VELC scope traces may be viewed as "phonetic fingerprints" of the sounds of languages fed into the system. As no two languages are exactly alike in this respect, the scope pattern of each language therefore differs in some manner from all other patterns.

Thus the sounds of basic language elements as well as nuances of dialect and accent may be observed visually. And the scope pattern of any language may be compared with those of other languages.

Unlike the sound spectrograph, which plots frequency component amplitude versus time, the VELC maintains both phase and amplitude information. But it loses the time duration of sounds and is not a sensitive indicator of voice-pitch differences.

These are not handicaps, however, since in VELC operation the principal indicators are phonetic differences. In displaying these, the VELC is more sensitive than the human ear. Some of the Far East tonal languages, for example, sound much alike to the untrained ear. But VELC displays show marked differences in their pattern characteristics.

Once a representative collection of taped and identified language specimens has been assembled, any unknown language heard on the air may be recorded and compared with them. By elimination, the questioned language may be recognized and identified. This is possible even though the listener can not understand the questioned language or any language in the specimen file.

He or she does not have to; all that is required is comparison of visual scope patterns. In effect, you learn what you have heard by determining what you are not seeing on the scope screen.

But how does one acquire a taped collection of foreign language specimens prior to logging stations in countries where they are spoken? And how can you know which is which if you can not understand them?

VoA, BBC, and other major SW broadcasters transmit many daily programs in commonly-used languages, numbering about 50. In shifting from English to other languages, they often announce in English what language is coming up next. Such transmissions offer daily opportunities to record specimens of identified-but-not-understood languages. Record two or three minutes of each on tape. Then analyze and file them for scope pattern comparison with unknown languages heard at other times.

Together with such conventional clues as time, interval signals, and frequency, the VELC can aid in identifying "unknowns." But the system is not goof-proof.

The visual patterns of some languages are so distinctive that after brief VELC practice they may be recognized on sight. Others, however, create such complex patterns that analysis is difficult. Additional study usually resolves the problem, but not always.

The key to success in use of the VELC is careful scope pattern analysis and comparison. These in turn are dependent upon the manner in which standards of analysis and comparison are developed and applied.

Analytical criteria in use here, developed largely by trial and error, are based on nine pattern characteristics. Resulting from extensive testing and a number of revisions, these standards have proved reliable in analysis and comparisons of 32 languages.

Those who experiment with the VELC may wish to develop their own standards. The basic requirement is careful observation and comparison of language specimens under controlled, unvarying conditions and elimination of as many human variables as possible. This calls for objective analytical methods. A standardized analysis form is therefore a must.

My VELC investigation has not yet produced wholly definitive findings. But it shows clearly that the system works and is well worth exploration by those interested in experimentation. The cost of constructing a phase-shift network is so small that, when the necessary associated equipment is available, experimenting requires little more than some time and recording tape.

Collecting, analyzing and filing language specimens introduces neither substantial cost nor special problems. At a two-track tape speed of 1 7/8 inches per second, which I have been using, as many as 42 three-minute specimens may be recorded and filed on a single 600-foot (3 inch) reel of 1/4-mil tape.

If you try the VELC, record all specimens at the slowest available tape speed. This makes pattern analysis and comparison easier and more reliable. The slower, the better;

If I owned equipment operating at 15/16 ips, I would use it instead of 1/8". Cassette recorders may be used in ELIC work, but the tape editing and splicing necessary in creating a compact, useful language specimen file is a tiresome chore with cassettes.

The purpose of this article is to report what has been learned about the VELC to date. I hope this may encourage others to experiment with it, thereby expanding knowledge of the system and its application. Much remains to be learned about VELC possibilities.

Although most of my findings are outlined herein, available space does not permit a list of consulted references or reproduction of the scope pattern analysis form developed and used here. Upon receipt of a SASSE, I will send copies of these to any interested SML. My address is 1225 Pine St., Sandpoint, Idaho 83864, U.S.A.

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Travel Advice

REFLECTIONS ON A TRIP TO ISRAEL AND WEST GERMANY

by Daniel Robinson, Lewistown, PA

A few weeks ago, while sitting in my new home (a college dorm at American University), I was trying to think of the worst possible punishment that anyone could give me. I came up with one - sending me to another country without the one thing that has sustained me for the past five years, a shortwave receiver.

With my second trip abroad to Swaziland, in the summer of 1974, I had my first taste of foreign DX, that exhilarating experience when you hear stations you never would have heard at home, but come in loud and clear in your new listening post. Indeed, my SFR-4 and I had grown very close since that last logging of Azad Kashmir Radio in Swaziland.

So, I come to the point of my story - NEVER TRAVEL WITHOUT YOUR RECEIVER! During the preparation for my trip to Israel and West Germany in the summer of 1975, I had been assuming all along that my trusty SFR-4 would accompany me wherever I would go, always at my side to snare all of that nice Mid-Eastern and Asian DX. I had been assuming this until I found out that El Al Airlines would want to search the receiver for any suspicious devices. Visions of security guards who knew nothing about the inside of a shortwave receiver searching through my dear Drake, zipping out resistors and capacitors in the name of airline safety began flooding through my head. For days I was in agony wondering what to do. Indeed, up until the day before my departure, I had the SFR-4 wrapped up in its original GILFER carton ready for the long trip to the Promised Land. Unfortunately, it was never to get to that Promised Land, and I was to spend the next two months searching high and low for a suitable DX machine.

Let alone my trip, I put it out of my mind. But, resolved not to let it spoil the whole flight, countless airline officials, and one unrelenting mother. For the whole flight, or almost the whole flight I was regretting it. But, resolved not to let it spoil the whole flight, I had to face reality - I had been scared out of taking by SFR-4 by numerous friends, stereo receiver; I tried to tell myself that somehow, these people had cleared their equipment with the airline or that they all had special permission, but it was all in vain. I tried to convince myself of the basic differences between a shortwave receiver and a flight were carrying stereo equipment with them on board the plane. Greatly upset by this, I entered the terminal building for the long wait. I noticed many people carrying large boxes. Naturally curious, I moved a little closer and found that many of the people on my flight were carrying stereo equipment with them on board the plane. Greatly upset by this, I tried to convince myself of the basic differences between a shortwave receiver and a stereo receiver; I tried to tell myself that somehow, these people had cleared their equipment with the airline or that they all had special permission, but it was all in vain. I had to face reality - I had been scared out of taking by SFR-4 by numerous friends, countless airline officials, and one unrelenting mother. For the whole flight, or almost the whole flight I was regretting it. But, resolved not to let it spoil the whole flight, let alone my trip, I put it out of my mind.

So, I began my trip, and what you might call my un-diplomatic, without a receiver. But, I was not defeated, not by any means, not yet. My first enquiry was in the apartment building I was staying in. Running up and down the stairs to each door asking if anyone owned a shortwave receiver was no small job, and when I finally located a family directly in front of me, I was overjoyed. Feeling rather awkward, I asked politely if I could borrow their radio (which was the only one they owned). Of course, being very friendly, they gave it to me that very evening and I proceeded to do some necessary fieldwork, finding an old piece of television wire, and attaching it to the terminals on the back. Unfortunately, the connection was less than adequate, and although I heard many AM stations, I could not get the added sensitivity that was needed as I to hear shortwave stations in the area. After hours of tinkering, I returned the set to its rightful owners, having cleaned it up inside and tightened any loose connections in return for the favor.

A few days later, I decided to set off on my own for Bethlehem, which is not very far from Jerusalem itself. I had heard from many people about the Arab market there, so after a short taxi (called a shuroot) ride, I found myself walking slowly through the streets under the curious gaze of many Arabs going about their daily business. Changing from the Holy Koran draped through the air, and smells of spice and roasting meat were almost over-powering as I wound my way into one of the small side streets. But

NEVER TRAVEL WITHOUT YOUR RECEIVER!!!

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NEVER TRAVEL WITHOUT YOUR RECEIVER!!!

as I turned a corner, I sighted one of the most beautiful radio receivers I had ever seen. There, sitting on an old desk in an antique shop, was an old French multi-band receiver. The thing was so old, it had some of the old names of many European and African cities on the glass slide-rule dial. But alas, I had fallen into the trap, because if there is one thing you learn when travelling in the Middle-East, it is never to show that you are or even might be interested in something for sale or on display unless you want to buy it! I was instantly met by a tall, young Arab gentleman in a white robe.

Now, I must admit, at first I had no desire whatsoever to even bargain with this guy, let alone buy the thing, but then a thought hit me. Possibly, with my meager store of technical knowledge, I could get this beauty to do some worth-while DX! Putting on my "smart" tourist look, I asked him, "How many pounds for the radio?" "Two hundred and fifty pounds," he shot back. If 250 pounds sounds like a lot of money, do not be deceived. In Israel, it is only $\frac{3}{4}$ dollars, but I was not about to spend even that much on an unproven ultra-antique. "I will give you a good deal and make it one hundred and fifty, for a friend," he said, without my asking for another price.

Well, I knew I was on to something now, I had him giving me prices, and if he kept going at that rate, I could get the thing for nothing and walk away with a good deal. I began to walk away, which is the smartest thing to do in such a situation. Running after me and grabbing my arm, he pulled me back into his small dark shop, but then I made my move. I asked him, using hand signals, to turn the receiver on so I could see if it worked.

So it was switched on, the smell of burning dust rising from the chassis. Unfortunately nothing rose from the speaker. After a few minutes of trying to explain to my Arab friend that there was something definitely wrong with the radio, I managed, gracefully, to find my way back to the main street where I hopped a cab back to Jerusalem.

By this time, I was a little frustrated, but not yet beaten. On returning to Jerusalem, I immediately began to investigate the amateur radio situation in the city, hoping that some kind ARO would let a poor RXless DXer do some DXing. I got the number of a ham, an American, and the next night I was in his shack. He had just arrived in Israel and his soon-to-be-erected beam was still lying on his roof. But though his array of Collins gear was impressive, there was no receiver having any SWBC bands. I said good-bye and walked into the cool Jerusalem night.

In the weeks to come, I was to continue my desperate attempts to procure a DX receiver. These attempts included a trip to the IBA (where I learned that two IBA staff members who owned Barlow-Wadleys were out of town) and numerous phone calls to the homes of Israeli DXers who, invariably, were on vacation. With frustrating visions of my SPR-4 sitting on my desk 7,000 miles away in Levittown, PA, I left for Frankfort, Germany, the last leg of my trip.

Ah, step lightly reader, step lightly, should you even chance to think that I was defeated, even then. NEVER! While in Germany, I was to make last ditch efforts at DXing on everything from portable transistor three-banders to other old Blaupunkt's. But, never did I get my hands on a receiver with enough selectivity and sensitivity to do some real DXing. I would, in the end, walk the streets of Frankfort and Munich, looking with envy upon the shiny new Grundig's and Normendes sitting in the windows of German electronics shops.

I learned my lesson, and I learned it the hard way. There I was in a hot-spot of radio activity, with no decent SW receiver. Of course, the experiences, I had and the people I met while trying to find a receiver were interesting and valuable. But in future trips, one thing is certain: I WILL NEVER TRAVEL WITHOUT A RECEIVER!

Whip Antenna

by Harry Moubray, Arkon OH

Possibly those members who like to experiment with antennas as I do, would be interested in hearing about a project of mine.

Tru-Temper makes a 20 foot telescoping fiberglass fishing pole, which, by taping a wire length-wise, can be used as a 20 foot whip antenna. I used mine at the top of a 30 foot mast for over two years with very good results. It could be attached to the side of a house, or even used at ground level if desired.

Since it has the action of a fishing pole, which it really is, it has practically no wind resistance and needs no guys. It just lays over with the wind and snaps back when the wind subsides. I did use guys on the 30 foot mast.

One minor problem was how to attach it to the mast, since U-bolts, if tightened enough to hold the whip upright, would crack the thin fiberglass. I solved this by shaving down a sturdy broom handle to fit snugly into the whip, leaving about two feet of the wooden handle exposed. The U-bolts were then clamped around the mast and broom handle.

My next project will be to load the whip with a coil of 75-100 turns and see what results I get in conjunction with an antenna tuner.

I bought my fishing pole for \$14.90 from Netcraft, Toledo, OH, 43613, a mail-order fishing tackle supplier.

LAZARUS - RNZ

via Claud J. Ethen, Portland OR

The following is a press statement issued by the New Zealand Minister of Broadcasting on 1 June 1976. The title is EXTERNAL SERVICES OF RADIO NEW ZEALAND.

The Minister of Broadcasting, the Hon. Hugh Templeton, announced today that the Government had agreed to Radio New Zealand's proposal to reactivate its external service transmitters. The Government had reviewed the situation in the light of representations for direct shortwave broadcasts from listeners in the Pacific, Australia, and Antarctica, and the need to retain a shortwave frequency.

The service, Mr. Templeton said, would restart on 5 June with rebroadcasts of the National Programme including the broadcast of the rugby test with Ireland. Broadcasting of this kind would be of particular interest to shortwave listeners in Tonga, Fiji, and Western Samoa. There would be a tour later in the year from Western Samoa and this too would attract considerable broadcasting attention.

Mr. Templeton said that Radio New Zealand had suggested rebroadcasting the National Programme as a means of providing direct broadcast contact at less cost than the telex and taped services previously approved. The Government had agreed to the use of funds from the Ministry of Foreign Affairs as this would provide a New Zealand broadcast service of considerable interest to the Pacific Islands and of particular use so far as news and current events were concerned to the Island communities with which New Zealand had special relations.

The National Programme was of course carrying programmes of interest to the Island communities, including news in Samoan and Cook Islands/Maori.

Mr. Templeton emphasised his own pleasure at the decision which would enable broadcasting contact to be maintained with New Zealanders in the South Pacific, with the scientific staff in Antarctica, as well as with listeners in other parts of the world.

(Editors note: In the first paragraph, representations translates to protest. It sounds as if the island communities and the Antarctic researchers protested loud enough to get some restoration of service, regardless of overseas listeners. If this is what protest can do, let us become an organization of letter-writers protesting all cuts in shortwave broadcast service or harmful changes in QSL policies.)

STAMPS

by John Lackmann, Lexington VA

STAMP COLLECTING WITH A SHORTWAVE RADIO

Shortwave radio listening, like stamp collecting, can be a quite specialized and time-consuming hobby, and the reader who has little experience tuning in foreign broadcasts probably needs a few preliminary words of advice. The two most essential tips are probably, 1) get the best receiver you can afford, and 2) put up an outdoor antenna. Shortwave receivers start at about \$50, but unless you are willing to spend much time at first learning just where on the dial the various stations can be found, and unless you are willing to put up with increased disappointments in the way of interference and poor or impossible reception, you should consider spending more than the minimum amount. Though most of the programs listed below can be picked up most of the time using almost any receiver, not all of them can, and success and enjoyment will be increased greatly by, for instance, being able to dial the desired frequencies exactly - a feature found on certain receivers selling for \$300 and up.

Shortwave stamp programs and features vary widely in length, propaganda content, and types of prizes, if any, offered to listeners. In addition, a number of stations broadcast stamp programs in languages other than English - principally Spanish and French - and the listener who can understand these languages naturally can widen his contacts in comparison with the person who has to stick to English.

There are other aspects of stamp collecting with the help of the radio outside of the stamp programs themselves which should be mentioned: for example, getting the names and addresses of foreigners who collect stamps. First, numerous Latin American listeners write in Spanish to European stations mostly hoping to exchange stamps, postcards, friendly correspondence, bills, stickers, and/or much else with other listeners, and their names and addresses are read over the air on several non-philatelic programs in Spanish on Radio Nederland, the Voice of Germany, etc. This can be an interesting sideline, although most of the collectors are young and not very serious. Secondly, certain stations (Radio Australia is the prime example) broadcast "mailbag" programs in several editions concentrating on different areas of the world, and names and addresses of senders are read along with the letters. When one of these has been sent stamps which he requested, the fact is also mentioned, and one is welcome (as far as R. Australia is concerned) to write the person

independently and strike up an exchange relationship. My experiences with this mode of operation have been mixed, but very limited. Finally, most international broadcasters, although they may have no stamp program on the air, are accustomed to and interested in receiving quantities of letters - mostly requests for "QSL cards" - from overseas listeners, and many or most of these send stamps of their country upon request also. Again, I have had limited experience in this, my most generous response having come from Radio Baghdad, who sent about fifty on-paper Iraqi commemoratives.

A listing of shortwave stamp programs, times and frequencies of them, and details follows. Frequencies are subject to change with season. Most frequencies quoted here were in use during the 1975-76 winter season.

CANADA--After economy moves, Radio Canada International now has stamp programs only in French, German, and East European languages, with no prizes given. Programs appear irregularly for the most part and are dedicated to news of new Canadian issues.

CUBA--"Philately in Cuba", heard Sundays at 2120 GMT on 11,865 kHz (also after 0100 on other frequencies in the 25 and 31 metre bands. In comparison with most other Radio Havana programs, this one offers very little political propaganda. Features news of Cuban and other stamp issues, Cuban philatelic history, names and addresses of (mostly Latin American) collectors wanting contacts, and a "Question of the Week" based on the program, for which a correct answer wins a recent Cuban FDC. Since this method of collecting post-Castro Cubans does not add to Cuba's foreign reserves, it is apparently one of the few legal ways to acquire recent issues from that country in the face of the Treasury Department's ban. "Cuba en el Mundo de la Filatelia" is the Spanish version of the program, heard Sunday nights also, possibly also Mondays.

CZECHOSLOVAKIA--Radio Prague broadcasts a stamp program to North America every first and third Saturday at 8:25 and 10:25 EST (0125 and 0325 GMT) in 49, 41, and 31 metre bands. 7,345 kHz is usually best except in summer. The program is devoted exclusively to the latest Czech stamp issues and their backgrounds, and FDC's of each new issue are offered as prizes for all correct answers to three questions based on the program.

EGYPT--Radio Cairo features "Stamp Collectors' Club" to North America at 10:00 p.m. (0300 GMT) Mondays on 9,745 kHz with Egyptian issues and postal history, letters from listeners, and some general, fairly elementary, philatelic information and advice. The Club (which has no formal membership) features free mint Egyptian stamps to listeners as often as they write. The program is often impossible to hear in the dead of winter.

ECUADOR--Evangelical broadcaster HCJB, the Voice of the Andies, beams the British-produced 15-minute stamp program "The Hobby of Kings" to North America Sundays at 11:45 pm EST (0445 GMT) in 25, 31, and 49 metre bands, and to Australia and the Pacific on Wednesdays at 0945 GMT on 31 and 49 metres. Features a variety of items including news of interesting sets, stamp terminology and tips, and occasionally letters from listeners, plus an evangelical appeal in each program. New listeners are invited to write and request a free packet of stamps (assorted worldwide commemoratives) along with Christian literature.

FRANCE--Radio France International does not have an English stamp program, but broadcasts "Antena Filatelica" in Spanish to Spain most Saturdays at 5:30 pm EST (2230 GMT) on 6,040 kHz. Best audibility in the U.S. is in or toward winter. Features news of new French issues, and listeners are invited to write (in Spanish) and receive complimentary French stamps.

HOLLAND--Radio Nederland's Friday feature "Closeup" usually includes a report from the resident philatelist, who gives news of new issues worldwide, often centered around a current event or anniversary. No awards are given. Heard Fridays to North America at 4:45 pm EST (2145 GMT) on 9,715 and 11,730 kHz, and 9:15 pm EST (0215 GMT) on 6,165 kHz. In winter, only the latter transmission is usually audible here). The program is broadcast to other parts of the world earlier in the day on Fridays.

SPAIN--Like France, Madrid has a stamp program only in Spanish. Called "Revista del Coleccionismo" (Magazine of Collecting), it covers coin and even lottery-ticket collecting, though the most time is devoted to new Spanish stamp issues and stamps from Europe and Latin America. Those who write the program have their names and addresses put on a list, which is distributed upon request; after having my name put on one of the lists, I received three letters, from Algeria, Norway, and Guadeloupe, none of them Spanish-speaking countries! This program is easy to pick up in Spanish Saturday nights on 25, 31, and 49 metre bands at 8:45 and 10:45 EST (0145 and 0345 GMT).

SWEDEN--Radio Sweden boasts "Stamp Corner" in English the first Monday of each month. Broadcast a number of times during the day; to North America at 7:45 and 9:15 am EST (1245 and 1445 GMT) on 15,305 kHz, and 6:15 and 9:45 pm EST, (2315 and 0245 GMT) on 6,045, 9,695, and 11,705 kHz. The morning transmission is usually clearest in reception. Host Claude Stephenson sticks to Scandinavian philately, and has a contest twice yearly

in which a number of prizes (e.g., first prize: a mint set of all Swedish stamps issued during the past year) are given and for which listeners draw on their knowledge of Swedish stamps.

USA—(1) The Voice of America in its "VoA Magazine" program for Friday usually beams a stamp feature to various parts of the world with news of new U.S. or UN issues. No contests or prizes are offered in connection with this. As good a time as any for most North American listeners to tune in is at 7:30 pm EST (0030 GMT) on 6190 or 9670 kHz. There's also a VoA "Clube Filatelico" (Stamp Club) for Portuguese-speaking listeners on Sundays.

(2) KGEI, the Voice of Friendship, features a five-minute "Rincon Filatelico" (Stamp Corner) at irregular intervals on weekends during its Spanish-language Latin American Service. Listeners to the program are invited to send in not more than twenty-five of their duplicates for an equal number from the station's supply. Heard at various times irregularly Saturdays and Sundays. I do not have a complete current schedule of this station, but the LA service begins at 4:30 pm EST (2130 GMT) on 15,280 kHz and continues using this frequency until 7:30 pm EST (0030 GMT), longer towards and during summer. The program continues much later using lower frequencies.

USSR—Radio Moscow, like Spain and France, seems to favor Spanish-speaking collectors. No program in English, but there is a Spanish program at 6:45 and 10:15 pm EST (2345 and 0315 GMT) on Thursdays. Clearest frequency at this East Coast location is 7,380 kHz. No prizes from Moscow, only news of Soviet issues, stamp exhibitions, and the like.

These are all the stamp programs on shortwave of which the writer has knowledge. As one can see, international broadcasting is a valuable tool to open up overseas stamp contacts, as well as an enjoyable and rewarding hobby in its own right. Any reader wanting more information or having additional details about programming can drop me a line, enclosing a self-addressed stamped envelope. All letters will be welcome and all will be answered. John A. Lackmann, 309 South Main Street, Lexington, Virginia 24450, U.S.A.

(Editors note: All days of the week quoted above are local ECNA days and not GMT days)

SSR-1

A USERS REVIEW by Adam Gaffin, Brooklyn NY
(This article originally appeared in the bulletin, English Language Broadcasts (ELB) published by the Brooklyn DX Club, 1137 E. 12th St. Brooklyn, NY 11230, in April 1976)

The SSR-1 is the new, all solid state, general coverage receiver recently released by R. L. Drake. The list price is \$350 plus tax (which in NYC is \$28). It has been billed as a desktop/portable model, and it works on 117/240 VAC, 12 VDC, or on 8 "D" batteries, but at 14 pounds and 13 inches wide, 11 inches deep, and 5 1/2 inches high, it is not the kind of radio you would take to the beach.

On the front panel are the volume control, mode, and band switches, clarifier, MHz and kHz controls, meter, speaker, headphone jack, and button that turns on the dial light when the set is used on batteries.

On the rear panel are jacks for recording, external power supply, and muting (for use with a transmitter). There are also screws for the antenna and ground, a voltage selector, fuse holder, and an "antenna attenuator".

Tuning is similar to that on the XCR-30. First, one of four bands (0.5-1.5, 1.5-5, 5-12, 12-30 MHz) is chosen then the MHz knob is turned till the desired MHz is reached. Finally, the kHz knob is turned till the desired kHz is reached. The dial is marked every 10 kHz and can be read to 5 kHz. The error is usually plus or minus 5 kHz from 000 to 930 kHz in all ranges. The rest of the way (030-1000) is fairly accurate. The selectivity is 5.5 kHz plus or minus 25% on AM; 3 kHz plus or minus 25% on SSB at -6dB. This means that you can hear two medium strength stations down to 3 kHz apart, although at 3 kHz separation there will be quite a heterodyne. The SSB can be used to reduce the QRM, and with it, two stations can be heard to 2 kHz apart, though again with some QRM.

For maximum sensitivity, the pre-selector must be peaked. In the 0.5-1.5 MHz range, also on all 2 MHz frequencies, this must be done separately for each station, but in all other bands it need be done but once every MHz. The sensitivity is: from 0.5-2 MHz, 3 mV AM and SSB; from 2-30 MHz, 1 uV AM, 0.3 uV SSB. This is for a 10 dB S+N/N ratio. Three modes can be used, AM, USB, and LSB. The clarifier is for fine tuning.

The meter looks as if they were about to put on the S-units, but then forgot. It is just a touch too generous, but overall it works well. The "antenna attenuator" has two positions, "local" and "DX". When it is in the "local" setting (only with an external antenna) the incoming signal is attenuated by 20 dB. This is supposed to be used when a strong received signal causes interference with other stations. But, so far, I have not

Radio Macuma and Radio Rio Amazonas, did not cater to them. (Adapted from an article in Gospel Message, Spring 1975, a publication of the Gospel Missionary Union.)

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QR-666

USER REPORT ON THE KENWOOD QR-666

by Terry L. Krueger, Casselberry FL

The Trio-Kenwood Communications Co., Inc., of 116 East Alondra Blvd., Gardenia, CA 90248, recently introduced the QR-666 communications receiver to the shortwave market. The QR-666 may well be in the affordable range of the DXer/SWL in search of a new set as the price is about \$350.00 with the QR-6MK callibrator (base list price \$295-JAL).

I aquired my QR-666 in June, and have already found it to be a beautiful piece of equipment. A total of six bands give full coverage from 170 to 30,000 kHz. Bandspread ranges consist of (ham) 80-75 m, 40m, 20 m, 15 m, and 10 m; shortwave bands 75 m, 60 m, 49 m, 41 m, 31 m, 25 m, 19 m, 16 m, 13 m, and 11 m. The bandspread quite adequately separates stations.

One optional feature is an FM adapter, but regular features include AM ANL (which seems to perform well), a selectivity mode which narrows the IF bandwidth, a CW/SSB mode, BFO and LSB/USB. The SSB is very sensitive and clarifies SSB with no difficulty on all frequencies. Sensitivity is good with a S/N ratio of 10dB at 2.63 uV on AM and 1.76 uV on SSB.

The stability is also excellent. There is virtually no drift as even I expected when first operating the QR-666. I think this feature is particularly noteworthy.

The RF and mixer stages employ dual-gate MOS type FETs, and the AGC seems to be fair. Power is from 117 or 240 VAC (with variations provided). The choice of voltage is simple by following the diagram in the manual. External DC power at 12 volts and 13 watts can also be used or 8 "D" batteries internally will power the QR-666.

The QR-6MK is a crystal callibrator (500 kHz) which should prove to be a real help in reading the frequency. The usual S-meter and very nice drum dials are also featured. When operating on AC, the dials and meter light up. When on DC, a light switch is provided. The RF and IF circuits are cut off when using the standby switch. Antenna trim is also on the front panel. The receiver contains an adequate speaker, but I am sure that an external speaker would be a wise investment.

The receiver is 14 1/2 x 6 1/2 x 12 1/2 inches and weighs about 17 pounds. Summing it up, the QR-666 seems to be a very good buy for it's moderate price-tag. Most amateur supply stores dealing in Trio-Kenwood products can order the set. I think I will enjoy my new receiver. Why not test one out yourself soon?

(Additional information from James Conrad, Waterloo, IA).

Propagation Conditions

by Jerry A. Lineback

John S. Sterling, Lancaster SC, sent notice of a special announcement broadcast on WWV. The announcement has been broadcast at 4 minutes past the hour and mentions the termination of geophysical alerts in the broadcast at 18 minutes past the hour. It is not clear if this affects the broadcast of the previous days mean A-index and solar flux values. If it does, it is worth another protest effort. A letter has been sent requesting clarification. Write: Space Environment Laboratory, National Oceanic and Atmospheric Admin. (NOAA), Boulder, CO 80302. Termination was set at 1 July.

Your editor also suggests protesting VoA's refusal to identify transmitter sites on QSL. They can announce what they please, but they should provide frequency schedules and verify by site, that is my opinion.

Solar activity was very low during May and June. The solar flux peaked on 17 June at a low 75. The next peak is expected about 12 July. Geomagnetic activity was weak with peaks near "A" 20 on 20 May, 28 May, 4 June, and 11 June, giving 4 peaks for the past cycle. The first peak (A) of the new cycle took place on 18 June. Activity is expected to remain quiet, with only minor (unsettled) conditions during the intermediate peaks that typically occur during the cycle. A recurrent peak in geomagnetic activity will occur a few days after the next solar flux peak. This geomagnetic activity is expected about 16 July.

That's all Folks, for another month of SWC. Shortwave Center is YOUR chance to share your experiences and knowledge with your fellow DXer. SWC needs good articles in the 1-3 FRENDX page range. Please contribute so that SWC can maintain its high standards of content.

OSO/NASWA

EDITOR: EDWARD C. SHAW
P. O. BOX 103
LEXINGTON, KY 40502

Welcome to the first section of OSO/NASWA. You'll find it easy to get along with, hopefully. This new section of FRENEX will print letters & excerpts from our associates worldwide. We'll appreciate amusing anecdotes you have to share. Problems you are experiencing and any help we are able to provide can be shared here, too.

This is your opportunity to say what is on your mind...let others know what is your opinion on a particular short wave subject. We'll take praises along with brick-bats. Comment, suggestions, or critique about the way DXing moves you will certainly be welcome here. In fact, anything you'd like to get off your chest can be unloaded here.

As with any section, we would appreciate your enclosing a stamp or post card in your correspondence if you expect a reply...and you will certainly get a prompt reply from this editor.

The phone rang and I stumbled over the R-390A in the floor to answer it by the third ring. "Hiya, Ed" came the greeting. "It's Hauser!" He was just passing thru Lexington between jobs, having just taken on a new assignment in Tennessee. Glenn was loaded down Pa Kettle fashion and had turned in to the nearest gas station. He moves around so much one is liable to think Glenn is a traveling salesman.

Later on in the week another ring yielded a happy voice..."Hello Ed, this is Shinn." "Howdy, Verlin," I replied, "aren't you on vacation?" Verlin related how he and his wife, Anne, had been tramping about the world. While visiting Radio Vila in the New Hebrides he was afforded the opportunity to leaf through several letters to the station...among them my reception report from March 1975 which remains unanswered as yet.

You can take it from me that Dan Henderson, our Awards Chairman, has too many receivers. Otherwise, why would he ask me to purchase an R-390A receiver for him and then leave it wrapped up in my basement since early this year? It was his R-390A I stumbled over earlier. Some people got it.

The Blue Grass DX Fellowship met informally at Jim McClure's house in Lexington last month. He had called to tell me he had a couple of new young lads to take into our fold. One of the two was very flattering when he apparently thought a shirt and tie was more appropriate for coming to our meeting. What a shock he got when I slid out feet first from the right side of my VW, enstockinged in my bright-red moccasin footies and a faded and sleeveless UK sweat shirt. We spent one enjoyable evening going over many points of confusion that occur to beginners in our hobby.

A recent weekend with Dan Ferguson, our illustrious former Executive Editor, in Charleston WV gave us a delightful opportunity to marvel at the comfort and decor of his basement full of hobby gear. It was like browsing through a Radio Shack warehouse in which the boiler had exploded. Here and there, stuck on shelves, on table tops, on the floors were myriads of plugs, tubes, meters, switches, and balls of wadded-up wire. We loaded up into his car several of his more useless pieces of equipment for sale at a ham fest down the road. I spent \$17.50 for an RF generator and \$1 for a can of spray tuner cleaner. All-in-all a very pleasant trip.

N-U CONVENTION III. Though it was not given great publicity, Don Jensen's N-U people are scheduled for a weekend meet 6-8 August in Lexington, KY. Whispers have it that a drawing was planned for an R-390A radio. Bill Whitacre told me he plans to drive down to Lexington with a carload for the N-U convention. Bill does great work in his Great Lakes DX Association. We're looking forward to his visit along with Andy Robins and Larry Abraham

Some of you may remember Pauline Brock, a NASWA member whose picture we featured a number of years ago. We'd like to congratulate her on a June marriage.

In this era of Bicentennial hoopla, it is a pleasure to note with pride the great American John Hancock is a member of NASWA.

Member George Poppin and wife Dot traveled the USSR in June and intended to drop in on Radio Moscow to visit Lucy Larina. Hopefully, he was able to meet Mrs. S. also.

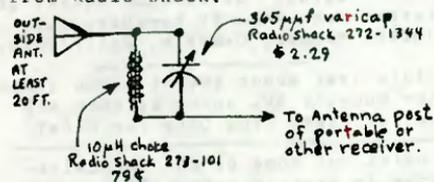
Mr. Stark D. Wagner, 1544 Stacy Drive, Baton Rouge, LA. 70815, is a new member desiring to see sample copies of S-9, CQ, 73, and QST magazines. Alas, we had none on hand. Could some nice NASWA member please roll up their unwanted copies and send to Stark? We suggest exchange of post cards first to avoid duplication of efforts here.

Back in February, we had some lengthy rapport going with USIA's public info office on the subject of VOA programming. I had written initially to say I was pleased with the quality in general, and that I especially enjoyed Breakfast Show...and further, why were such programs unavailable to the American public?

A nice return from Mr. Andrew T. Falkiewicz answered that Title V, Section 501 of Public Law 402 specifically prohibited VOA programming from being broadcast to the American people (with the U.S.A. and company), and that any change in such policy must be considered by Congress.

Well, that started me thinking..."Why not?" A letter to my Kentucky Congressman brought a reply that he could not explain the rationale behind such restrictions other than perhaps it was intended to preclude any present President's administration from using a government radio as a tool to talk to the public. (!) What a laugh! Anyone further interested in this can write me.

Since lots of people use portables and continue to complain about lack of sensitivity at low frequencies, I'll put in this little hint again which I often share with portable owners: All parts are available from Radio Shack.



This little gizmo can be built on a block of wood or inside a neat little plastic box. It works consistently well from 2.5 to 6.0 MHz, the tropical bands. All it does is peak the antenna signal before your radio gets it, and attenuates unwanted frequencies. You'll like it.

Do you remember Al Reynolds, once Executive of ANARC? Well, brother Al was finally trapped into martial (sic) bliss last year and survives in Old Hickory, TN. Hopefully, he sez, he will be back full swing into the DX thing again soon.

On the weekend of 18 June we happy to welcome Dan Jamison down to visit the DX-Sanctum of my basement. You'll remember Dan from the early days of Listener's Notebook. Dan now resides in Columbus and operates an SP-600 and an old SW-4....when he isn't collecting OSLs from policemen.

Mrs. William Miller of Granada Hills, CA wrote to say her husband received his membership certificate, but they had lost it and ate part of it; they'd like a duplicate...but in another flavor.



"... waste not
a moment."

B. FRANKLIN
1776

It is not true that tuning oil comes only in 5ths & pints. We've seen 6-Paks, too.

Several writers asked for sources of receiver evaluations. Mr. Suryamega of Los Angeles asks if there are other magazines for SWLs.

Of course, Popular Electronics and Elementary Electronics have regular sections devoted to our hobby, and are authored by Glenn Hauser and Don Jensen, respectively. These magazines, as well as QST, 73, S-9 and CO often have reviews of new and used equipment.

Interest in a specific piece of equipment may be directed to this editor and I will put you onto an owner or other knowledgeable source who can tell you all about it.

CB INTERFERENCE. Doug Herrington of Oak Forest, ILL writes to complain about CBI (CB interference) on his SW receiver, a GE portable. The problem, alas, is too likely to be in the inadequate circuitry of the portable, plus the fact that a CBER is likely to be very nearby. Except for some relief which might be found in filters for 27 MHz, there's nothing we know about to help. I would think a filter to attenuate 27 MHz (CB freqs) would also tend to attenuate higher SWBC bands somewhat, thus little help.

Werner Hoffman of Newark, Ohio wrote to point out some of the inconsistencies in FRENEX about place names. Werner is correct...it calls our attention to NASWA's Country List. Our list does not always conform to the nominal accepted name of a country. For instance...there is no such place in NASWA's Country List as plain old INDONESIA. Instead, Indonesia is defined as seven separate entities. Reporters and editors alike should make some effort to report and refer to countries according to our list. If nothing else, at least one could put in parentheses what is meant. The list is available in "DXing According to NASWA" for \$3.00 ppd fm HDQ, or write HDQ for more information.

Without much contributed material from the membership at large, this section is a bit shorter than we normally hope it will be. At least we hope that you have enjoyed this first edition of QSO/NASWA. Once again, we will be happy to hear from YOU. See you again soon.

Aaron Hywarren of Winnipeg is a second year associate and writes to ask: "Why can't NASWA consider for NASWA purposes those PTP utility stations in countries which have no SWBC stations; it would allow many to boost their totals."

Answer: This comes up every-so-often. There are several reasons, and I enumerate a few here:

1. The Country List Committee established a CL based on the number of "autonomous" entities as of Sep. 1st, 1945. There are also a number of arbitrary "countries" based on certain geographical, ethnic, and political considerations. But, the main thing is...our established policy has been since inception of NASWA, to cater to SWBC. There are other clubs to serve utility interests.

2. If one were allowed to count Utes, so would all others...so, I fail to see the advantage.

3. Aaron pointed out several cases where no SWBC was available. Well, they come and go. I personally have Hong Kong, Fiji, and Gilbert/Ellice Islands. Hold on awhile; may be someday Ireland will return despite their notes to the contrary. By the way, Aaron, Reykjavik does have SWBC occasionally in the morning. It's even a separate QSL card they send.

One last thought, Aaron; would you be willing to discount your Ute QSL should a country develop into SWBC? Ah, ha...

"...Being a greenhorn, DXATN was most helpful. SW is much better entertainment than TV re-runs."... Judith Maddux, Oakdale, California.

Didja hear about the wife who liked her hubby's SWL hobby so much she called their kids QSLs for QSOs?

QSL

Report



•Editor: William E. Oliver

45 Wildflower Rd., Levittown, PA. 19057

As you all know by now, the VOA no longer verifies by xmtr site. I am patiently waiting for an announcement of a substantial reduction in the Income Tax rate made possible by this move. Meanwhile, please do not send in any items on VOA veries without xmtr sites unless they are for UNITED STATES.

While we're on the subject of sites, if you're fishing for R. Moscow xmtr sites, don't forget to ask for the site in your reception report. Otherwise you may not get it on the card.

We have a few items this month that may take your mind off the VOA. John Moritz, Jr. came up with Bougainville Island and Sao Tome, James Young verified Oman, and then there are some nice SA's that took Marlin Field only nine or ten f/up to QSL. On with it.....

ALBANIA: R. Peking Relay, 7120, card, sked in 2 weeks. (Wasserstrom-NJ).

ARGENTINA: R. El Mundo, 11755, black/red, mike/map card w/freq and date in 44 days, air, for SS rpt and 1 IRC. Also got station sticker. (Mayer-IL).

R. Splendid, 5985/11880/9740, letter in 3 months for SS rpt. (Barto-CT).

AUSTRALIA: R. Australia, 15290, card in 301 days. No rp. (Sarrazin-CO): 15320, f/d card and rpt card in 18 days for 2 IRC's. (Glazzy-CA): 9560, card in 38 days on Carnarvon 250 kw test xmsn for 1 IRC. (Biasini-ALB): 5970, card in 4 months on 2nd try. No rp. V/s Peter Homfray. (Fine-IL): 9580, card for club rpts in 5 months. (Cohen-NJ); card, rpt form, picture of Tammy Williams of the Correspondence Section, sked and info on Australia in 3½ months. No rp. (Cain-LA): 6005/9770, cards and pennant in 3 months. (Barto-CT): 15160/15290, cards and rpt card in 41 days for rpt form. (Moss-CA).

VLW9-Perth, 9610, f/d card in 21 days for 1 IRC. (Crater-KS).

VLM4-Brisbane, 4920, f/d card in 40 days. No rp. (Filka-OH).

VNG, 7500, f/d letter in 2 months. No rp. They verified my rpt

on 7500 kHz at 0725 GMT. The sked on the QSL letter lists 7500 kHz at 2230-2245 GMT. (Fine-IL); form letter w/date and time in 24 days. No rp. V/s D.J. Cavender. (Mark-IN); folder card in 4 weeks. No rp. (Vockeroth-PA).

AUSTRIA: ORF, 9770, silver card stating that they do not have pennants in 20 days for multilingual rpt form and 1 IRC. (Lausevich-WI); f/d "Castle" card in 38 days for EE rpt. No rp. (Murphy-MJ).

ASCENSION IS: BEC Relay, 9580, no-data card in 13 days for extremely detailed rpt. No rp. (Sarrazin-CO): 9510, no-data card in 3 weeks. (Cain-LA) VOA Relay, 15195, card, sked and stickers in 1 month.

(Hywarren-MAN).

BOUGAINVILLE IS: R. Bougainville, 3322, f/d personal verie letter in 2 months for EE rpt, 1 IRC, postcard and used stamps. V/s Aloysius Sahoto. In his letter Mr. Sahoto says they now run from 5:00 pm to 10:00 pm local time, totaling 35 hours a week. He adds, and I quote, "It is not unusual for a radio station like R. Bougainville to be heard so far away which operates on and with the power of 10 ktz because R. Bougainville started operating in 1968, it was recorded (part of broadcast) in San Diego, USA and from

that time on we have been receiving reception reports from all over the world." He also thanked me for my report and said he hoped his verification would be of some use to me. Now there is a man who does the hobby justice and deserves the thanks of us all. (Moritz-OH).

BRAZIL: R. Nacional de Brasilia, 11780, f/d green map card in 24 days for EE rpt and 2 IRC's. (Benner-IN); f/d orange map card and sked in 28 days. No rp. (Mark-IN); f/d map card in 16 days. No rp. (Murphy-MI).

R. Educadora Palmeiras de Alagoas, 3245, letter and postcards in 3 months. V/s Umberto Guerrera. (Barto-CT).

R. Cultura da Bahia, 9593, EE/PP letter in 2 months. (Barto-CT).
BULGARIA: R. Sofia, 9700, card and sked in 11 weeks. (Wasserstrom-NJ); f/d "Clement" card in 10 weeks. No rp. Also received stamp info sheet, sked, rpt form cards, pennant, stamps, 1st day covers and another envelope with stamps. Biggest package yet and very useful. (Vockeroth-PA).

CANADA: CBC Northern Svc, 5960, f/d card in 15 days for 1 IRC. (Glazzy-CA); f/d "Carved Bear" card and sked on back of an Arctic painting in 22 days for 1 IRC. (Dubrick-IL): 6145, f/d card in 86 days. No rp. (Murphy-MI).

CKFX, 6080, QSL in 10 days for 1 IRC. Also received info on CKWX, the parent station. (Bishop-MT).

CFRI, 6070, f/d "Carnival" card in 20 days for 1 IRC. (Dubrick-IL).

CFVP, 6030, f/d "Calgary" card in 7 days for 1 IRC. (Bishop-MT).

CKZU, 6160, f/d card in 10 days. No rp. V/s Bucher. (Bishop-MT).

CHU, 7335, card in 3 weeks. (Cain-LA).

BBC Relay (Sackville), 6175, f/d "Thames" card in 16 days. No rp. (Brunner-PA).

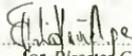
RCI, "Do-it-yourself" cards, 11855, 15 days. (Sarraizin-CO); 14 days. (Hywarren-MAN); 2 weeks. (Schulman-NY): 9655, 16 days. (Hardester-CA).

CHILE: R. Dimension, 9650, postal card verie in 1 month. (Field-MI).

R. Calama, 6100, personal SS letter and 2 postcards in 1 month on my 6th try for an SASE which was used. V/s Oscara Plaza P., Director, wrote that the station is preparing a program in celebration of the US Bicentennial. He hoped I'd be able to hear it on July 4th but he gave no time. The letter also criticized the Allende government and praised conditions there now. (Field-MI).

CHINA: R. Peking, 11945, "Timber Forest" card w/o time and sked in 17 days for EE rpt. No rp. (Bebber-IN)

from
LARRY
TALBOT

		GHANA BROADCASTING CORPORATION	
		P.O. BOX 1633 ACCRA, GHANA	
Dear Sir/ Madam			
Thank you for your reception report of our transmission(s)			
on	11850	kc/s heard at	1958
	2030	G.M.T. on	1-9-75
We have pleasure in verifying your report which is much appreciated.			
25th Sept., 1975			
PE/W75/5095		 Director General	

COLOMBIA: R. Nacional, 9685, f/d "River Scene" card in 19 days for EE rpt and 1 IRC. (Dubrick-IL).

R. Sutatenza, 5075, f/d folder card w/o time in 3 months for SS rpt and 3 IRC's. (Noonan-WI).

Emisora Nueva Granada, 6160, SS letter in 17 days for NASWA SS rpt. (Cain-LA).

Meridiano 70, 3280, letter in 3 months on 3rd try. They moved to 4925 kHz in mid-February. V/s Sergio Perez, Gerente. (Field-MI).

CONGO: R-TV Congolaise, 15190, f/d FF form letter which was folded and stamped received in 29 days for EE rpt and 2 IRC's. (Anderson-MA); 1 month for EE rpt and mint stamps. (Pyatt-SC); 35 days for EE rpt on trilingual form and 1 IRC. (Cohen-NJ); 23 days for EE rpt and 2 IRC's. (Brunner-PA); 6 weeks for FF rpt and 1 IRC. (Dubrick-IL); 39 days for EE rpt and 2 IRC's.

(Noonan-WI); 1 month for 1 IRC. (Oliver-PA).

CUBA: RHC, 11815, yellow card and stamps in 96 days, air, for 1 IRC. (Rockwood-OH); f/d card in 2 months for EE rpt. No rp. (Cain-LA): 11760, f/d "Yellow Circles" card in 43 days for EE rpt and 2 IRC's. (Macris-MO): 9525, f/d "Greetings from Vietnam" folder card in 6 months for EE rpt to P.O. Fox 6116, Habana, Cuba. No rp. Some info on Vietnam was promised under separate cover. (Biasini-ALB).

CZECHOSLOVAKIA: R. Prague, 5930, f/d card in 65 days for 1 IRC. (Rockwood-OH); f/d card, sked, info on country and survey form in 35 days for EE rpt. No rp. (Morrison-KY); f/d black/white photo card, sked, booklet, Monitor Club info and survey form in 36 days. No rp. (Mark-IN); "50 Years of Broadcasting" card in 15 weeks. No rp. (Vockeroth-PA): 7345, f/d "Cesky Krumlov" card in 40 days for EE rpt and 3 IRC's. A sked, questionnaire and Monitor Club info arrived 2 days earlier. (Moss-CA); f/d card, sked, info on station and Monitor Club, 4 "Czechoslovakian Life" mags and 1 beautiful "Tourist Review" mag in 45 days. No rp. (Cain-LA): 5930/9630, f/d card in 1 month. No rp. (Noonan-WI).

DENMARK: R. Denmark, 15165, card in 34 days for 1 IRC. (Vokes-TX); f/d card and sked in 17 days for EE rpt and 1 IRC. (Noonan-WI).

DODECANESE IS: VOA-Rhodes, 7240, card in 1 month. (Hywarren-MAN).

DOMINICAN REP: R. Clarin, 4850, f/d letter and fact sheet on station in 50 days for 1 IRC. (Bishop-MT); f/d SS letter in 135 days for EE rpt. No rp. V/s Lilly Morales. (Morrison-KY); form letter w/date only in 175 days for 1 IRC and want US stamps. Postage on verie letter was 11¢ (Dominican Rep) for airmail. (Cramton-IL); letter in 3 months for SS rpt. (Barto-CT).

R. Mil, 4930, f/d letter in 20 days for SS rpt and 2 IRC's. (Noonan-WI).

R-TV Dominicana, 9505, SS letter w/freq only, sked and small, colorful pennant in 3 weeks for NASWA SS rpt. No rp. (Cain-LA). ECUADOR: R. Zaracay, 3390, letter and requested pennant in 35 days for SS rpt and station rpt card. V/s E. Cun C., Secretary. (Lausevich-WI).

R. Centinela del Sur, 4890, letter and pennant in 1½ months. V/s Hernan Coronel V. (Barto-CT).

HCJB, 9560, f/d "Mountain Climber" card in 30 days. No rp. (Conover-PA)

EGYPT: R. Cairo, 9475, f/d card and sked in 50 days for 1 IRC. (Rockwood-OH); card and sked in 6 weeks. (Wasserstrom-NJ); f/d card, sked and info on Egypt in 52 days for EE rpt. No rp. Sked signed "With Best Wishes" by Rita. (Morrison-KY); card and sked in 100 days for EE rpt and 1 IRC. (Thompson-PA); f/d card in 46 days for EE rpt. No rp. (Murphy-MI): 9805, f/d "Arab Town" card in 9 weeks for EE rpt and 1 IRC. (Grossman-ONT); f/d card, sked and postcard in 2 months for EE rpt. No rp. (Fine-IL); f/d black/white card, sked and form letter from European Svc in 69 days. No rp. My letter was read on the "Listeners' Club" program. (Mark-IN).

ENGLAND: BBC, 9915/7325/5975, no-data "Thames" card in 26 days. No rp. (Cohen-NJ): 9410, no-data card in 3 weeks. (Cain-LA).

VOA-Wofferton, 7200, f/d card in 4 days. (Bishop-MT); "Kenned" card in 11 days. (Meehan-CT): 9620, card in 1 month. No rp. (Hywarren-MAN).

ETHIOPIA: ETLF, 11910, sked and f/d card featuring 4 station photos in 80 days for 1 IRC. (Anderson-MA): 11830, f/d card, sked and pennant in 2 months for 1 IRC. (Noonan-WI).

EUROPEAN RSFSR: Radio Station Peace and Progress, 15300, f/d orange "Moscow Sketch" card in 2 months for EE rpt. No rp. (Nicolosi-NJ).

R. Moscow, 11690, f/d card, sked and rpt form in 26 days for EE rpt and 2 IRC's. (Glazzy-CA): 9580, f/d "Kalinin Prospekt" card, sked, Soviet stamps and postcard in 35 days for 2 IRC's and some US stamps. (Moss-CA): 7440, "Kalinin" card in 32 days. No rp. (Murphy-MI): 7100, f/d card in 45 days. No rp. (Cain-LA): 7170/7260, f/d cards in 22 days. No rp. (Biasini-ALB): 11820, "Moscow U" card for Australian Svc: 9530, "Rocket" card in 6 weeks. No rp. (Vockeroth-PA): R. Moscow via Starobelsk-African Svc, 5905: via Serpukhov-Great Britain Svc, 9795: via Riazan-SEA Svc, 15140: via Moscow-SEA Svc, 15360. Cards in 1 month. (Legge-VA).

FINLAND: R. Finland, 15110, f/d card and sked in 17 days for EE rpt and 1 IRC. (Thompson-PA); card in 5 weeks. (Barto-CT): 9720, f/d "Summer in Finland" card in 22 days. No rp. (Biasini-ALB).

FRANCE: RFI, 15425, card and sked in 5 weeks. (Wasserstrom-NJ): 15200, f/d "Place Charles de Gaulle" card, sked and pennant in 4 weeks for EE rpt and 1 IRC. (Grossman-ONT): 11705, "Paris" card and sked in 32 days for 1 IRC. (Biasini-ALB).

GERMANY (E): RFI, 9730, f/d card, letter, RFI mag, pennant with GG mags to

come later. Received in 50 days for EE rpt. No rp. (Thompson-PA).
GERMANY (W): Deutsche Welle, 6010, no-data multicolored card and mag in 30 days for EE rpt, used US stamps and request for quick reply for my German class classmates. (Sarrazin-CO); no-data card which didn't say there was anything wrong with my rpt in 1 month. No rp. (Noonan-WI); multicolored card w/no data in 36 days. No rp. (Mark-IN): 9565/9605, cards in 27 and 30 days. No rp. (Nicolosi-NJ).

R. Liberty, 15380, f/d blue/gold card in 2½ months. Freq was inserted next to Germany spot on the card, not Spain! (Sgrulletta-NY).
 VOA-Munich, 5965, card in 3½ weeks. (Hywarren-MAN).
GREECE: V. of Greece, 9760. Full data white card which Martin B. Mark describes as a "Polar Bear in a Snowstorm" card was received in 28 days for 1 IRC. (Rockwood-OH); 36 days. No rp. (Schulman-NY); 1 month for foreign stamps. (Vokes-TX); 31 days. No rp. (Bishop-MT); 30 days for 1 IRC. (Conove-PA); 17 days. (Mark-IN).

VOA-Kavalla, 7205, card in 3 weeks. (Hywarren-MAN).
GRENADA: R. Grenada, 15105, QSL card w/all data except date in 102 days, sea mail. No rp. Power-5 kw. Glad to get this one! (Ware-VA); f/d yellow card in 2 months for EE rpt and 2 IRC's. (Filka-OH): 9550, f/d card in 4 months. (Legge-VA).

GUATEMALA: R. Mam, 4825, letter w/o time with station and prgm info in 2½ months for SS rpt and 2 IRC's. V/s Gladys Maria Landa. (Mann-ONT).
GUINEA: Rdiff. Nationale, 7125, letter w/o freq in 1½ months for EE rpt. No rp. (Hywarren-MAN).

GUINEA-BISSAU: R. Nacional da Rep. da Guinea-Bissau, 5041, green OSL card in 207 days for 2 IRC's. (Schwartz-DE); card w/o time in 7 months for PP rpt and 2 IRC's. V/s looks like Liburio Ribein de Moun. (Mann-CT). Richard Schwartz said it looks like Tibureio Ribeiro de Moura. That's 5 different variations. Whatever happened to Babadi Ntumba Bumba? ed.

MA A. J. Lausevich

THE VOICE OF VIETNAM

58 Quan Su Street

HANOI

Democratic Republic of Vietnam

Date *Tuesday 12. 76*

VERIFICATION

Thank you for your report of reception

at *1230 AM on 12/35/76*
 on *Jan 22 76 - 4/20/76*

All details check with our log.

Regular reception reports with detailed remarks and suggestions on programming and technical matters are highly appreciated.

Enclosed are

from
 Arnold
 Lausevich



FOREIGN LANGUAGES TRANSMISSIONS

HAWAII: WVVH, 15000, folder card w/o time in 16 days. (Noonan-WI).
HONDURAS: R. Progreso, 4920, letter in 2 months. V/s Jerry E. Tolle. (Barto-CT).

HRVC, 4820, map card w/o time in 26 days for 1 IRC. (Biasini-ALB).
HUNGARY: R. Budapest, 6000, blue QSL card w/cathedral, sked and pennant in 62 days. No rp. (Schwartz-DE); f/d "Parliament" card in 35 days for EE rpt and 1 IRC. (Macris-MO).

INDIA: AIR-Madras, 6085, f/d letter in 34 days, air, for EE rpt and 1 IRC. V/s D.P. Ramachandra. Report to Madras direct. (Mayer-IL): AIR-New Delhi, 11620, f/d card in 6 months for EE rpt and 2 IRC's. (Mann-ONT): 9525, f/d "Tiger" card in 110 days for EE rpt and 3 IRC's. (Rojewski-WA).

INDONESIA: RRI-Jakarta, 11790, card in 4 months. No rp. (Legge-VA); multi-

color folder w/date and freq in 5½ months for EE rpt and 3 IRC's. (Blossom-OH); card in 8½ months for EE rpt. No rp. (Poppin-CA).

IRAN: V. of Iran, 9022, f/d card, sked and pennant in 33 days for EE rpt and 1 IRC. (Thompson-PA); f/d "Bandar Abbas TV" card in 20 days. No rp. (Conover-PA): 15084, "Abadan TV" card w/wrong freq (9022), pennant and post cards in 25 days for foreign stamps. (Vokes-TX).

ISRAEL: IBA, 9815, "Western Wall" card, sked and rpt forms in 72 days for EE rpt. No rp. (Benner-IN); card and sked in 90 days for 1 IRC. (Thompson-PA): 9820, f/d card in 39 days for rpt form. No rp. (Cohen-NJ); f/d card, sked, info on IBA and rpt form in 65 days for 2 IRC's. Rpt form asked for SINPOJ rating, where the "J" is for jamming! (Mark-IN): 7412, f/d "Kneset" card, sked and IBA booklet in 2 months for EE rpt. No rp. (Fine-IL): 11640, f/d "Western Wall" card in 44 days. No rp. (Biasini-ALB): 5900, f/d card in 1 month. (Cain-LA).

ITALY: RAI, 9575, f/d "Il Settecento" card in 154 days for EE rpt and 3 IRC's. (Rojewski-WA); same f/d card in 3½ months for EE rpt and 1 IRC. (Dubrick-IL).

JAPAN: R. Japan, 15300, "Bamboo Grove" card w/o time, sked, postcard, info survey, etc. in 22 days for EE rpt and 2 IRC's which were returned. (Grossman-ONT): 15195, "Dolls" card, postcard, questionnaire, sked and other info in 10 days for 2 IRC's which were returned. (Glazzy-CA): 11815, card in 17 days for 1 IRC. (Macris-MO): 15105, card and sked in 13 days. No rp. (Noonan-WI); "Hakata Dolls" card, newsletter, sked, rpt form and survey forms in 18 days. No rp. (Mark-IN): 9505, card, sked, rpt form, postcard and newsletter in 3 weeks. No rp. (Cain-LA): 15270/15300. "Bamboo Grove" card in 30 days. No rp. (Conover-PA). Please be careful about listing your cards as full data. R. Japan's CSL's normally do not have the time. ed.

KIRGHIZ SSR: R. Moscow via Frunze, 9710, FF letter w/site in 4 months for FF rpt and mint stamps. V/s Galina Djirouk. (Serrulletta-NY).

KOREA (S): R. Korea, 9640, f/d "Puddah" card in 291 days, air, for EE rpt. No rp. Also received yellow pennant and rpt form. (Mayer-IL): 9640/11850, cards in 7 and 8 months, sked and info bulletin. No rp. (Poppin-CA).

KUWAIT: R. Kuwait, 11940, card in 37 days. No rp. (Vokes-TX); f/d card and sked in 39 days. No rp. (Conover-PA).

LAOS: Lao National Radio, 7145, EE/Lao letter received from Chaleung Vongsam Ang, Director. First time I've heard of a CSL from this country in 1976. ADDRESS: B.P. 310, Vientiane, The Lao People's Democratic Republic. (Barto-CT). How long did it take, Sam? ed.

LIBERIA: ELWA, 11950, f/d card in 53 days for EE rpt and 2 IRC's. (Mann-ONT): 11950, f/d "Native Drummer" card, sked, religious info and fact sheet on Liberia in 38 days for 2 IRC's. (Bishop-MT).

VOA-Monrovia, 11915, card in 1 month. (Hywarren-MAN).

LITHUANIAN SSR: R. Vilnius, 7355, f/d "Flower" card and pennant in 54 days for EE rpt. No rp. (Meehan-CT).

LUXEMBOURG: R. Luxembourg, 6090, f/d "Coat-of-arms/Antenna" card in 38 days for EE rpt and 2 IRC's. (Benner-IN).

MALAGASY REP: R. Nederland Relay, 11730, EDXC card in 54 days. No rp. (Murphy-MI); f/d EDXC card on European xmsn in 48 days. No rp. (Biasini-ALF) f/d EDXC card in 3 weeks. No rp. (Cain-LA): 11740, "Wereldomroep" card in 32 days. No rp. (Conover-PA).

MALAYSIA: BEC Relay, 15310, f/d "Thames" card in 15 days. No rp. Personal letter from V. Pressman states that the move to Singapore will commence sometime next year. (Brunner-PA): 9725, f/d "Thames" card as requested in 12 days. No rp. I pleaded a little for a f/d verie and got one, which shows that there are a few sympathetic people in the BEC! (Biasini-ALB): 11750, no-data card except for "FER" which I requested in 2 weeks. (Cain-LA).

MALTA: R. Malta, 6035, form letter w/typed-in date in 94 days for 3 IRC's and local postcard. V/s Victor Aquilina. (Gower-IL).

AWR, 6055, card and sked in 1½ months. No rp. (Moritz-OH).

MAURITANIA: Rdif. Nationale Mauritanie, 4850, f/d map card in FF in 115 days, air, for tape, mint stamps and EE rpt. Postage on verie was 20um. (Hardester-CA); card in 3½ months for 1 IRC. (Legge-VA).

MONACO: TWR, 7105, f/d card, Bonaire/Monaco sked and small paper pennant in 3 months for EE rpt. No rp. (Cain-LA).

MOROCCO: VOA-Tangier, 9715, card in 1 month. (Hywarren-MAN).

NETHERLANDS: R. Nederland, 11950, f/d "Perspective" card in 25 days for a SS rpt on a SS prgm. No rp. (Conover-PA): 11730, f/d EDXC card on African xmsn in 48 days. No rp. (Biasini-ALB); f/d "Edward Startz" card in 3 weeks. No rp. (Cain-LA).

NETHERLAND ANTILLES: R. Nederland Relay, 6165, f/d "Life Symbol" card in

19 days for 1 IRC. (Macris-MO); f/d card in 3 weeks. No rp. (Cain-LA); card in 6 weeks. No rp. (Vockeroth-PA).

TWR, 11925, white flamingo card in 28 days w/sked and a ton of religious info for 1 IRC. (McIntosh-ONT); f/d "Flamingo" card w/letters "PJB", pennant, sked and religious info in 18 days for 1 IRC. (Grossman-ONT); card, sked and pennant in 17 days for 1 IRC. (Thompson-PA); f/d card, blue/black sticker pennant and a note saying "Very good report" in 20 days for 1 IRC. (Biasini-ALB).

NEW ZEALAND: RNZ, 9520, f/d "Fishing" card and notice of discontinuance of SW Svc in 2 months. No rp. The letter was stamped "Surface Mail", was post-marked 18 May and had only 11¢ in beautiful postage on it, but it arrived 21 May! (Fine-IL): 11780, f/d card and sked in 3½ months after f/up and 3 IRC's. (Cain-LA).

NIGERIA: NBC, 6025, f/d verie letter in 24 days for EE rpt, 1 IRC and used stamps. Letter from the Engineer-in-charge thanked me for the IRC. (Moritz-OH); f/d letter in 1 month for tape rpt and mint stamps. (Sgrulletta-NY): 7275, f/d "Flag" card and nice multilingual sked in 4 months for EE rpt. No rp. (Fine-IL); f/d card and sked in 2 months for EE rpt. Three IRC's were returned. (Cain-LA).

OMAN: R. Muscat, 11890, card in 30 days, air, for 3 IRC's. No verie signer. ADDRESS: Radio Oman, Ministry of Information and Culture, P.O. Box 397, Muscat, Sultanate of Oman. (Young-CA).

PAPUA NEW GUINEA: NBC, 4890, f/d letter in 25 days for EE rpt and 3 IRC's. (Benner-IN); f/d verie letter, sked and Papua station list in 90 days for EE rpt and 5 IRC's. (Moss-CA); f/d letter in 3 weeks for EE rpt and 3 IRC's. (Cain-LA).

R. East Sepik, 3335, long, personal letter w/full verification and station info and history in 37 days for foreign stamps. V/s Paul Katafi. (Vokes-TX).

PARAGUAY: R. Nacional, 6025, SS letter w/freq noting increase in power to 100 kw. Received after 2 f/ups in a total time of 1 year, 1½ months. V/s Carlos Montaner. (Sgrulletta-NY).

PERU: R. Inca del Peru, 4762, card in 2 months on my 10th try for a verie on a March 1971 reception. (Field-MI).

R. Santa Rosa, 6045, SS letter in 10 weeks. V/s P. Jorge A. Cuadros P., Director. (Field-MI).

R. Panamericana, 5980, form letter in 5 months on 5th try. Letter says power is 1 kw, not 5 kw as stated in the WRTVH. (Field-MI)

PHILIPPINES: R. Veritas, 9570, f/d yellow/green map card in 10½ months, 17 days after f/up. V/s Margaret Cheng wrote that she could not answer any old rpts because she was the only one answering letters. (Mayer-IL).

FEBC, 11855, f/d card, sked, literature, questionnaire and "The Signal" mag in 6½ months. (Poppin-CA).

VOA-Tinang, 11875, card in 1 month. (Hywarren-MAN).

PORTUGAL: Emissora Nacional Portugal, 6025, f/d "Aqueduct" card in 16 days for EE rpt and 1 IRC. (Macris-MO); f/d "Lisbon" card and sked in 16 days. (Mark-IN): 11875, f/d card and sked in 39 days for 1 IRC. (Biasini-ALB).

RHODESIA: RBC, 3396, "Gazelle" card in 14 days for 1 IRC. (Anderson-MA).

ROMANIA: R. Bucharest, 5990, f/d card in 61 days for 1 IRC. (Biasini-ALB).

RWANDA: DW Relay, 15410, yellow/blue "Afrika" card in 29 days. No rp. (Anderson-MA); card in 6 months. (Barto-CT).

RYUKYU IS: VOA-Okinawa, 9585, card in 3 weeks. (Hywarren-MAN).

SAO TOME: R. Nacional de Sao Tome e Principe, 4807, very proper full data postcard verie in 1 month for EE rpt, 1 IRC and used stamps. Love it! Love it! (Moritz-OH).

SEYCHELLES: FEBA, 11810, f/d orange/blue map card and sked in 16 days for EE rpt and 3 IRC's. (Rojewski-WA).

SOMALI REP: R. Mogadishu, 9585, f/d provisional QSL letter in 36 days for EE rpt and 2 IRC's. (Blossom-OH); f/d form letter in 1 month for EE rpt and 2 IRC's. (Pyatt-SC).

SOUTH AFRICA: R. RSA, 9585, QSL, 2 copies of "RSA Calling" and sked in 20 days for 1 IRC. Card was dated 3/3/72! Also received SADX Club card with correct date. (Larson-MI); f/d card in 26 days and SADX Club card in 43 days for 2 IRC's. (Rojewski-WA); f/d card in 17 days. No rp. (Mark-IN); f/d card, colorful mags and "RSA Calling" in 1 month. No rp. (Cain-LA): 11900, f/d card in 18 days. No rp. (Moss-CA); f/d "Sable Antelope" card in 26 days. No rp. (Murphy-MI). Other cards were "Springbok". ed.

Springbok Radio, 4810, "Montage" card in 15 days. (Lausevich -WI); f/d card in 3 weeks for 1 IRC. (Pyatt-SC): 4835, African display card, sked, "RSA Calling" in 18 days for 2 IRC's. (McIntosh-ONT): 3980, f/d

"Montage" card in 19 days. No rp. (Poppin-CA).
 SPAIN: RNE, 9630, f/d card and sked in 65 days for 1 IRC. (Poppin-CA).
 SRI LANKA: VOA-Colombo, 11715, f/d Capitol card in 8 days. No rp. V/s
 Joanne Beason. (Rojewski-WA): 15185, Kennedy Center card in 8 days. V/s
 Monica Vall. (Moritz-OH); card in 3½ weeks. No rp. My 14th VOA Relay verie
 and VIC #90. (Hywarren-MAN).
 SWAZILAND: Swazi Music Radio, 4980, f/d letter in 9½ months total time
 after f/up. V/s John Tomlinson. (Sgrulletta-NY).
 SWEDEN: R. Sweden, 9765, f/d card, sked and SCDXers form in 59 days for 2
 IRC's. (McIntosh-ONT): 9695, f/d map card, sked and DX Program loggings in
 6 weeks for EE rpt and 1 IRC. (Grossman-ONT).
 SWITZERLAND: SBC, 6165, f/d "Cathedral" card and stamps in 65 days for EE
 rpt. No rp. (Carr-IL): 6135, f/d card and sked for EE rpt. No rp. (Murphy
 -MI): 6045, f/d card in 57 days. No rp. (Poppin-CA): 6045/6135, f/d card in
 1½ months. No rp. (Noonan-WI).
 Red Cross Broadcasting Svc, 7210, letter w/o time, sked and
 personal letter in 46 days for EE rpt. No rp. (Meehan-CT).

LA PAZ — BOLIVIA

Altitud 3.812 metros

Características Distintivas

- CP 27 - 730 kcs 411 metros.
- CP 75 - 4.875 Kcs. 61.54 metros.
- CP 3 - 95 Mcs. F.M. frec. Modulada

*Con las atenciones del Director de
 Radioemisoras "La Cruz del Sur"*

Cajón Postal 1408
 Dirección Nicaragua 1759
 Teléfono 25698. 50559

Señor Ricardo A. Schwartz
 CUB P.O. Box #111,
 Donna 10111,
 Dover, Delaware 19901 U.S.A.

MONTE LLIMANI: 6982 metros
 PUERTA DEL SOL: Ruina Incaicas
 LA LLAMA: Animal tipico de Bolivia

TAHITI: R. Tahiti, 15170, "Maiden" card in 13 days after f/up for EE rpt
 and 3 IRC's. (Gower-IL); same card and FF sked in 169 days for EE rpt and 4
 IRC's. They must really be behind in answering rpts. Might be a good idea
 to have patience. (Conrad-IA); card and sked in 7 months for FF rpt.
 (Barto-CT).
 TAIWAN: V. of the Chinese Air Force, 6105, letter CSL card, sked and 4
 studio photos in 6 months. V/s Wang Min-Tao. This was for a 1970 reception
 in Vietnam. (Barto-CT). Sam's verie was dated 17 May, 1976. ed.
 TOGO: R. Togo, 5047, map card w/o specific freq. This was a 2nd card for
 1 rpt. Received in 113 days after the rpt and 85 days after receipt of the
 1st card. Postage on card was 90 fr (Togo) for airmail. (Cramton-IL).
 TURKEY: V. of Turkey, 9515, "Bridge" card w/time and freqs for all svcs in
 30 days. No rp. (Murphy-MI): 11880, f/d card, sked and large tourist map in
 32 days. No rp. (Poppin-CA).
 UGANDA: UBC, 9730, letter in 6 weeks for EE rpt and 2 IRC's. (Pyatt-SC).
 UKRAINIAN SSR: R. Kiev, 7150, card, sked and rpt form in 33 days. No rp.
 (Gower-IL); card in 6 weeks. (Barto-CT); f/d card, sked and rpt form in 2
 months. No rp. (Cain-LA): 15140, f/d card in 60 days for EE rpt and 3 IRC's
 (Macris-MO): 7145, CSL card, sked and rpt form in 28 days. No rp. (Thompson
 -PA): 7400/7205, cards in 75 days. No rp. (Meehan-CT): 7350, yellow map
 card, sked and pennant to my great surprise in 6 weeks. (Vockeroth-PA).
 UNITED STATES: WYFR, 9525, card and sked in 3 weeks. (Wasserstrom-NJ).
 KGEI, 5980, f/d "San Francisco" card in 32 days. No rp.
 (Piasini-ALB); f/d card and sked in 3 months. No rp. (Cain-LA).
 UN Radio, 15410, blue/white "5Language" card w/full data in
 20 days. No rp. (Nicolosi-NJ).
 VOA-Greenville, 5995, card in 3 weeks. (Hywarren-MAN):
 15225, Capitol card in 6 days. (Vockeroth-PA).
 VOA-Bethany, 11890, card in 1 month. No rp. (Hywarren-MAN)
 VOA-Dixon, 11710, card in 1 month. No rp. (Hywarren-MAN).
 VOA-Delano, 9640, card in 3½ weeks. No rp. (Hywarren-MAN).

URUGUAY: R. Ariel, 6075, card in 4 months on my 9th try for an SASE which was used. (Field-MI).

R. Sarandi, 9515, EE letter, postcard, business card and New Year greeting in 2 months on my 9th try. Letter states that they are on SW only on weekends for soccer games and that OSL cards are being printed. I was promised one with a pennant. V/s Capt. Ruben R. Varela. (Field-MI).

UZBEK SSR: R. Tashkent, 11925, f/d "Lenin Museum" card and colorful postcard in 6 weeks. No rp. Ten rpts will get you a pennant. (Vockeroth-PA).

VATICAN: Vatican Radio, 5995/9605, f/d cards in 13 days. No rp. (Noonan-WI) 5995, f/d card in 1 month. (Gain-LA): 11740, "cappella Sistina" and "Stanze di Raffaello" cards for EE rpts on Easter Masses in 15 days. No rp. (Poppin-CA).

VENEZUELA: R. Barquisimeto, 4990, card w/o time in 5 weeks for SS rpt and 2 IRC's. (Mann-ONT).

R. Rumbos, 4970. f/d card in 3 months for SS rpt and 2 IRC's. (Noonan-WI); f/d card in 111 days. Card was "Calle Real". (Bishop-MT); f/d "Avenida Urdaneta" card in 6 1/2 months for an EE rpt on a SS prgm. No rp. (Conover-PA); f/d "Simon Bolivar" card for EE rpt in 8 months. No rp. (Poppin-CA): 9660, f/d "Palacio Legislativo" card in 5 1/2 months for SS rpt and 1 IRC. (Dubrick-IL).

R. Tachira, 4830, f/d letter in 6 weeks. No rp. V/s Juan Agustín Chacon, Director. (Legge-VA).

R. Lara, 4800, card in 2 months. No rp. (Legge-VA); f/d "La Emisora Musical de Venezuela" card in 51 days for SS rpt and letter. No rp. (Poppin-CA).

R. Juventud, 4900, card w/o time in 41 days for 2 IRC's. (Bishop-MT).

VIETNAM: V. of Vietnam, 10040, f/d EE letter in 5 1/2 months for rpt mailed directly to Vietnam. (Sgrulletta-NY).

YEMEN ARAB REP: R. Sanaa, 7300, f/d form letter in 3 1/2 months for tape rpt and 3 IRC's. V/s Hussein Nunu. After repeated tries for a OSL, I mentioned that I saw the one Sam Barto got from Sanaa in the OSL Report and promptly got a OSL for my next rpt! Guess it pays to advertise! (Sgrulletta-NY). Glad to be of assistance, John, and thanks for the comment. ed.

"ODDS & ENDS"

R. PEKING HOME SERVICE: Lance Barber of Winnipeg, Manitoba sent a letter which reads in part, "Last winter I decided to put my linguistic skills to use and I attempted to verify R. Peking on their home service frequency of 5163 kHz. I wrote to them in Mandarin Chinese, sending a two-page letter hand-painted with brush and paint, and received a reply. A photo-copy of the letter is enclosed with this report. The English translation is roughly as follows: "Yes, you did hear our home service on 5163 kHz at the time and on the date specified, but Radio Peking does not send OSL's to its home service listeners." It also states that some literature is on the way to me by separate post," Lance adds that he will not give the name of the person who sent the reply as it was on his personal initiative that he checked the report and sent a reply and his name would only cause a flurry of letters to assail him. (Not if they have to be written in Mandarin Chinese, Lance. ed.) However, his name is on the bottom of the Chinese letter and Lance says he can't stop anyone from translating it and writing to him.

I don't have enough space to print the letter Lance received but if anyone who can read Chinese wants to see it, I will be glad to forward a copy. Do you think this might lead to a Mandarin Chinese Report Form?

SLIGHTLY OUT OF BAND: Tom Elossom of Austinburg, OH sent this in.

ST. PIERRE & MIQUELON: ORTF, 1375, OSL letter for June, 1975 dated November "1976" received 28 February, 1976 for EE/FF rpt and mint US stamps. (I just thought someone might be interested.) (Blossom-OH).

WHO NEEDS A RECEIVER? Mike Nicolosi, Howell, NJ writes that he sent to R-TV Marocaine in Morocco for a sked and received a OSL card with 3 pages that included a FF sked with 7115 kHz underlined and "a 3-language rpt card. thanking me for my reception report".

I think that takes care of everything. You'll notice that there were no rpts from Polish Radio. That's hard to believe!

Bill

Listener's

• Editor: Glenn Hauser, WUOT, U-Tenn.,
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Notebook

PROPER CREDIT Other clubs and broadcasters desiring to use material from LN may do so provided due credit is given to the original reporter and NASWA. BBC Monitoring Service items are copyright, used by permission, not authorized for further dissemination. Thanks.

ZAIRE LV du Zaire on 15799 4/19 at 1820, African music. French ID, distorted audio //15350. 15245, SINPO 15245. (Carol Fell, Denmark. DSWCI) Spur or feeder? (gh) WEST IRLAN; see LN-5

VIETNAM R Viet-Bac changed to 6905y ex-6715v. Former Tay Bac Autonomous Regional BC Stn (Dai Phat-thanh Khu Tu-tri Tay Bac) now simply IDs as R. Tay Bac (Dai Phat-thanh Tay Bac) or often as Voice of Vietnam (Tieng noi Vietnam, buoi Phat-thanh Tay Bac); poor signal on 4770, 6330v (Isao Ugusa, Kobe, Japan, 6/10) By the way, unlike LR practice, I firmly believe dates of reception belong next to times, not after reporter's name; when I give a date as above, it means the date of the report to LN, rather than of the reception (gh)

USA ¿What keeps WINB going? These rates? A 60-min. pgm costs \$150 reduced to \$125 if 5 or more per week; 5-min pgms are \$35/\$25. And 10% of their power goes back over the states (Tracy Wood, ASWIC 6/76) VOA has expanded its Portuguese service, now to Eu 2130-2200 on 6195 9505 11915 15395 /Munich-Munich-Woofferton-Greenville -gh/ and to Af 2200-2230 on 6045 7195 11710 15235 /Monrovia-Monrovia-Greenville-Bethany -gh/ (A Belém reporter to SCDX 6/9 via gh) Rather unusual for VOA to be adding new services just now! (gh) J76 Bethany SSB feeder skeds: BY-9 50 kW 19261.5 kHz 62°; 1200 Russ 1345 Russ, 1400 Uzbek, 1445 Uzbek. 1500 Russ, 2200 Port -2230* all on LSB; and on USB: 1400 Lat, 1430 Est, 1500 Lith 1530 Est, 1600 Lat, 1630 Czech, 1700 Swah, 1830 Fren -2230*. BY-10 50 kW 10862 kHz 100°, 0300-0800; LSB: 0530 Arab, 0600 Fren Mon-Sat, 0730-0800* Arab; USB: 0300 Eng, 0730-0800* Waf Fd. (feed? gh). BY-10 50 kW 16222 kHz 100° LSB: 1600 Eng, 2200-2230* Fort; USB: 1700-1800* Swah, 1830-2230* Fren. Bethany Test Frequencies, presumed available for equipment checks, not broadcast: 6160 0800-2400; 9690 0700-1430. 11710 2300-1400, 15300 1900-1130. 17720 2000-1300, 21455 24h, 26040 24h. Also, 15195 is used for tune up only at 2145-2200.

then program follows on 15235; to avoid QRM on 15235 which Greenville uses to 2200 It would be nice if more stations would show the same consideration in their pre-broadcast tune-ups. My guide Mr. Wilson Smith says the efficiency of Bethany xmtrs is about 60% so a 250 kW xmtr would be putting out 175 kW at the antenna (David Walcutt, Chicago, on a 6/2 visit to VOA-Bethany) Greenville also warms up on 9500 for 9510 BBC relay at 0030 (gh) ¿Visiting Washington? VOA tour sked as of 8/75; 45-min tours at 1300, 1400, 1500, 1700, 1800, 1900, 2000 Mon-Fri GMT exc. holidays; groups of ten or more should reserve at 202-755-4744 (USIA Office of Public Information, via Walcutt) At 330 Independence Ave SW, 2nd also

USSR Some interesting IFRB listings to tune for (with intended ITU target zones given):
11765 Yerevan 1600-2230 27 11930 Ashkhabad 1730-2130 28 37 15415 Baku 0600-1600 37 30 46
11900 Dushanbe 1530-2100 48, 53 11950 Alma Ata 1400-1700 49 17745 Fruze 1000-1500 49
11920 Baku 0500-1300 37, 38, 46 15220 Riga 1100-1430 41 17825 Frunze 0700-1430 49
1630-2030 37 15260 Baku 0700-0930 28 17850 Alma Ata 0930-1200 41

(Roger Legge, McLean VA) R. Minsk's domestic second pgm 'Krynytsa' 0600-1100 is on 2 new channels 11800 9545, replacing 9670 9560. Weekdays, they carry R. Moscow's Mayak pgm 1100-1700 and on Sundays 0600-1700 (BBCMS 5/20) R. Moscow's broadcast in Russian to the western sector of the Arctic, and Antarctica at 1530-1600 Mon & Thu is now on 11760 9490 (BBC MS 5/6) We have the current complete BBCMS Soviet External Services & Mayak sked; questions? (gh) Unknown Russkie on 3260, 0859 ID as Baku, 0930 as Moskva and 1000 or 1030 as Nikolayevsk. And on 3492 5/16 1108 heard Mayak second IS at 1129 (Gib Junqua, Osaka, Japan)

UNIDENTIFIED Here in NZ it is the middle of the LAM reception period, this year is the best I can remember for several years, with reception of 120mb stations being unheard of in NZ before. I have heard a Radio Cultura on 2380; I can find no listing of a Cultura on MW or SW (Steven Greenyer Invercargill NZ) Could it have been R. Cordillera, Colombia, 2 x 1190? (gh)

URUGUAY R. Ariel, Montevideo, on 6075 has changed name to R. Continente (Horacio A. Nigro Montevideo, & Néstor Emilio Dorrey, Buenos Aires. SCDX 6/1)

TIMOR A Jakarta HS report says the E. Timor Provisional Govt set up another xmtr besides R. Dil, on 77.82 and 77.92m (3855 and 3850 kHz) already testing, afternoons and evenings (BBC MS 5/27) Heard at 1100-1300 on 3850 Port. Indo and local lang talk; tunes in English and Indo; Apodeti mentioned often; on 6/1 (Craig Tyson, Wembley, W.A., NU 6/12)

SYRIA R. Damascus to LAm Spanish 2230-2315, Arabic 2315-2400 on 15290 15165 (BBCMS 5/27)

AIN Great confusion reigns re current RTE freqs; noted in Spanish to Af/ME 2030-2100 announcing 11775 11930 9570 9520; however not observed on any or these, but rather on unannounced 9600 11800. 9570 was carrying an entirely different Spanish pgm for Eu; rest unheard (Richard Wood, Garden City NY, 5/30) I never cease to be amazed at station incompetence (gh)

SA'UDI ARABIA Since 5/7 the Holy Qur'an Station broadcasts additionally Fridays 0630-1030 relaying prayers from al-Jami' al-Kabir Mosque in Riyad to N/CAF on 17755 9730. Other HQS xmas increased so now: 1400-1700 S/EAs 21595; 1700-2000 N/CAF 15245; no further details on an announced 0300-0500 pgm (BBCMS 5/13) Jiddah's non-English sked is 0500-0700 French to Eu on 11855; 1300-1355 Indo 21480, 1400-1455 Urdu 17765, 1500-1555 Persian 11865, 1600-1655 Swahili 21530, 1600-1700 Arabic 'Call of Islam' 9670, 1700-1900 French 11855 (BBCMS 5/27)

SARAWAK Geoff Cosier's theory of a third Sarawak site, Apr LN-3, is confirmed. R. Malaysia-Miri has been noted on 3385 at 1200-1300 in Kayan and Kenyah (per WRTH). Kuching programs and IDs precede and follow this segment; Kuching also on freq, or relay by Miri? The Kuching segment 1300-1500 was // 7270. but not traced there at 1200. F/G sigs on 3385. but often battered by utes; programs mostly talk, a little music (Gib Junqua, Osaka, Japan)

RSPSR ASIATIC FE sites to NAM revised freqs 6/1; they seem to be changing monthly now:
 9635 Khabarovsk 2100-0730 11970 Petropavlovsk 2200-0330 15210 Petropavlovsk 2200-0730
 9710 Petropavlovsk 0330-0730 (to 11720 at 0400); "11960" 17720 Petropavlovsk 2200-0300
 11690 Blagoveshchensk 0300-0730 12000 Nikolayevsk 0300-0730 (to 9710 at 0330)
 11720 Petropavlovsk 0400-0730 12050 Petropavlovsk 2200-0730 Same old programs (Bill
 11870 Nikolayevsk 0300-0730 15100 Vladivostok 2300-0730 Davis, Laguna Niguel CA)

PERU 3385, Rdif. Centro del Páfo, finally IDed after more than 4 years of effort; this full title used only at s/off (anytime between 0430 past 0800); normal ID is "Difusora del Centro" Pgm is typical high Altiplano huainos, melodic, with time, IDs, dedications. Music is similar to R. Zaracay 3390, but in a lower key (Tony Jones, Paraguay, NU 6/5) Believe in Huancayo but not 100% sure (Jones, 6/8, direct) 4855, R. Oriente Sundays *1100 when clear of utes; "música nacional"; sounds very much like "R. Norte" unless listened to carefully!! (Jones 6/8)

NIGERIA In 3/76 Radio-TV Times these changes are noted: Ibaden not listed on 9555 but on 7285, 1 kw, 0700-1630; Lagos 6035 not mentioned. Benin now 5265, 10 kw 0430-1245, 1350-2305 left 4932 it seems. (via Finn Krone, Denmark, DSWCI 5/76) *(MOZ:) 7240 to 7249 (BBCMS 5/20)

MOZAMBIQUE R. Moçambique, Mputu began a new sked on 5/5:
 "A" Program 6050 10 0545-1445 4815 10 0650-0940 4895 100 0530-0645
 15295 100 0700-1300 4865 7 1/2 0355-2210 3370 10 1520-1810 6090 25 1025-1215
 11820 130 0500-1500 3338 10 0355-0530 In Chisseena; 4895 100 0645-0800
 9620 100 0355-1700 1500-2210 4755 10 0940-1230 3275 100 1500-1700
 7240* 25 0545-1445 Beira-Dondo Complex; 3235 1730-2100 in Maconde;
 6115 25 0355-2210 "B" Program, "A" Channel; 9635 100 0900-1045
 4925 25 0355-2210 in Chinhungue; 4895 25 1700-1830
 3210 25 1500-2210 4755 25 0355-0530 4895 100 0355-0530 News (rebroadcast);
 0355-0530 4815 25 1230-1520 4895 25 1830-2000 3275 100 1730-2000
 "B" Program follows; in Chuanu follows; in Ajaua follows; (via Sam Berto, Wttn. CT)

MAURITANIA RNM is heard in Arabic at 1800-1900 on new 9690, also at 0715 // 4845 (Victor G. Jaar, PQ, Spanish SCDX 6/16 via gh) Guess what? 9690 - 2 x 4845 (gh)

LAOS Hrd either on 6918v or on 6990v. Nat R. Currently hrd only on 4650 6200 (Ugusa Japan)

KENYA QSL from Nairobi gives 4885 as Nairobi, with the 'constal vernacular service' not Kisumu, so quite likely Kisumu is now on 4855 kHz This explains the superb signal heard on 4885 (Geoff Cosier, Burwood, Victoria, Australia 6/5) KOREA SOUTH See p LN-5, bottom

IRAQ R. Baghdad's 7 MHz xmt, 1900-2000 Russian; parts of Arab HS, alternates day-to-day between 7196 and 7180 kHz; "Voice of Masses" Arab to Eu expands to 1500-1930 9745 (BBC 6/3)

IRAN NIRT Persian HS music makes exotically enjoyable listening, easy on 15085 summers; the complete sked: 17735 0200-1615; 15135 0900-1615; 15085 0200-0030; 9680 or 9050 0030-2030; 9680 or 9022 2030-0030; 9022 0300-1725; 7135 0230-0030 (via BBCMS 4/76)

INDONESIA Harris contract includes a 50kw SW xmt for Banda Aceh, and 11 SW or tropical band 10kw xmts and support equipment. Commissioning of sites was sked to begin in January and continue thru August; Intermetronics was subcontracted for that (SWNS 5/76) Remember Banda Atjeh? C replaces TJ in new orthography, pronounced "AHT-jeh" spelt Aceh (gh)

GUATEMALA One week before I read your article on the Guatemalan Earthquake in "International Listener" in which you listed 2420 as a Guatemalan frequency, I heard a R. Rumbo on 2420, and I believe this would be the second harmonic of 1210 (Steven Greenyer, Invercargill NZ, 6/7) Yes, it is, and a very good catch indeed! (gh)

GHANA Undated GBC sked shows times matching within 5 mins of WRTVH 76 weekdays; differing skeds are Suns and Holidays rather than Sats & Suns, and are 0530-2300 on 4915, 4980 (via W. Noel Brown, Ann Arbor MI)

ECUADOR 4940, R. Nacional *1030, not listed 1100; 0410* circa (Tony Jones, Asunción)

DOMINICAN REP. R. Clarín noted around 1400-1900 on 11700; however May 31/June 1, as King Juan Carlos of Spain visited Santo Domingo, 11700 remained on until 0130, covering visit jointly with other ADORA stations, announcing as "La Voz de ADORA" /RTVD 9505 and others until 0120 commercial pgms; 11700 cut off at 0130; ADORA=Asociación Dominicana de Radiodifusoras (Richard E. Wood, Garden City NY)

CHILE A Lima report carried by Tanjug says figures published in Caracas by the Journalist Association of Chile show the present Chilean government has 'liquidated' 40 radio stations out of a total of 155 (BEGMS 6/10) So you are reading a fifth-hand report, hi (gh)

CUBA You hear RHC all over the dial, right? Well, here's where they're supposed to be J76:
 17885 1900-2140 15230 0630-1045 11930 0900-1000 11760 1000-1050 9550 0300-0600
 17750 1100-2150 1100-1645 1100-1645 1100-1830 9525 0630-0800
 17705 1100-1645 1700-2140 2200-0050 2200-0600 6060 1100-1200
 1700-2140 2200-0600 0100-0450 11725 0100-0600 2200-0600
 15940 2200-0245 11970 2200-0600 11865 1100-2150 9765 2200-0600 (arranged by gh)

BURUNDI QSL to Peter Bunn shows expanded sked: 25 kW 0330-0600 3300. 0600-1600 6140 1600-2100 3300; 10 kW 1600-2100 on 6140 (R. Australia DXers Calling 5/23 via gh)

BRAZIL 4765v, R. Rural, Santarém now varying 4765-73 mornings from before 0930. to 0400*; 4805, R. Itatiaia still on 24h sked (Tony Jones, nr Asunción, Paraguay) Brasília HS says a 5/28 Presidential decree creates Radiobrás, to which enterprise all properties, assets and shares held by R. Nacional. Rlo; and the R. Mauá Federation will be transferred (BEGMS 6/3)

BOLIVIA Tony Jones in Paraguay compiled this survey as of 6/8. As the list is still only tentative, it is solely for the use of NASWA members, and may not be republished, either in whole or in part. The skeds are for weekdays only; Sunday skeds differ greatly in many cases, and generally are much shorter--later s/on and earlier s/off.

3390 R. Camargo (Camargo, Chuquisaca) 2215-0300
 3440 R. 27 de Diciembre (Villa Montes, Tarija) 2200-0200 (v, -0230 or even 0300*)
 3488 R. Alfonso Padilla Vega (Padilla, Chuquisaca) 2230-0200 (occasionally till 0230)
 4425 R. Paitití (Guayaramerín, Benf) 1130-?, 2130-0300 (v till 0330, 0400+)
 4467 R. Movima (Santa Ana del Yacuma, Benf) ?-0300 (v, to 0330+)
 4602 Maore Rdif. (Guayaramerín, Benf) (4600-08v) 1130-?, ?-0200 (v, -0230, occ. -0300)
 4701 R. Riberalta (Riberalta, Benf) 1100-?, ?-0300
 4738 R. Abaroa (Riberalta, Benf) 1100-0400v (often to 0440) continuous
 4753 R. Em. Bolivia (Oruro) *0900, 0500*; not known if split-sked
 4775 R. Df. Trópico (Trinidad, Benf) 1000-?
 4775 R. Los Andes (Tarija) nom sked believed 1000-0400; f/in 1030
 4783 R. Ballivián (San Borja, Benf) only possible during 0030-0100 slot
 4797 R. Nueva América (La Paz) 1030-?, ?-0400 /believed 1100?-0300)
 4808 R. La Voz de la Frontera (Puerto Suárez, Santa Cruz) noted a few days only, 4/76; sked/
 4823 R. Grigotá (Santa Cruz de la Sierra) 1000-0330
 4845 R. Fides (La Paz) 1030-1930, 2200-0300
 4855 R. Centenario (Sta Cruz de la Sierra)(v to 4853)1000-0400
 4860 R. Batallón Topater (Oruro) *1000 0400*, possibly split-sked
 4875 R. La Cruz del Sur (La Paz) 1000-1800, 2230-0200
 4885 R. Sararenda (Camiri, Santa Cruz) 1100-? (continuous, past 2200)
 4938 R. Norte (Montero, Santa Cruz) 1100-1800 2100-0400
 4965 R. Ánimas (Chocaya, Ánimas, Potosí) 1100-1900, 2100-0300
 4980 R. Juan XXIII (San Ignacio de Velasco, Santa Cruz) 1000-1630, 2230-0130 (sometimes 4970)
 4990 R. Em. Benf (Trinidad, Benf) 1000-?
 5006 R. Universo (La Paz) 1000-0430
 5121 R. Juan XXIII (location not known) ?-0315
 5580 R. San José (San José de Chiquitos, Santa Cruz) 1130-1545, 1830-0300
 5995 R. Loyola (Sucre, Chuquisaca) 1000-? (continues past 1930)
 6005 R. Progreso (La Paz) (seems to be Mon-Fri only) 1130-1230, 1700-1800, 0030-0130
 6035 R. Panamericana (La Paz) 1000-?
 6070 R. El Cóndor (Oruro) 1000-?
 6082 R. 21 de Diciembre (Catavi, Potosí) 1030 f/in (thought to be *1000 nominal)
 -1800, 2100-0200+

6140 R. Santa Cruz (Santa Cruz) 1000v-1845 (possibly split) evening
 6155 R. Fides, //4845 gv \ reception not possible.
 6210 R. Luis de Fuentes (Tarija) 1100-2200, 2300-0300 /Peruvians)
 9505 R. Universo (La Paz) //announced on 5006; not possible to check due to Brazilians and/
 9607 R. Piraf (Santa Cruz de la Sierra) nom. believed 1000-0400, but many xmsn
 breaks (Beware NHK in Spanish!)
 1330-1800, evening sked not known

9715 R. La Plata (Sucre, Chuquisaca) Owing to severe QRM, it has not been possible to check 5955 (R. Pío XII), 5965 (R. Nacional Huanuni) nor 5973 (R. Nac. Cochabamba). The following are believed inactive, not heard for a period of between 3 months and 2 years: 3960 R. Municipal de Comarapa, 4495 R. Cumbre, 4515 R. Em. Litoral, 4700 R. San Miguel, 4958 R. Ibaré, 5045 R. LV del Altiplano, 6283v R. Em. Tupiza, 6375 R. Sumac Orco. # Thanks, Tony for another fine piece of research (gh)

BENIN Cotonou *0600 drums, anthem, full French ID, into vernaculars 0630. Excellent level, likely new xmt; heard a week or so before at weak level, which was probably the 4 kW. Sundays only: (Mike Willis, Hampton, Vic, via Cozier) Also heard 5/30 0640 very good level (Cozier, Burwood, Victoria) Frequency omitted, but must be 4870; long path for them! (gh)

AUSTRALIA Carnarvon has been off the air as of 6/6 due to a Telecom engineers strike about supposed safety shortcomings at the station (Craig Tyscn, W.A., via NU 6/19)

CLANDESTINE CRANNY AUSTRALASIA New Hebrides (Cf Jun LN-2) Despite Yeo's certainty about the spelling of Vanafo, we see in the

5/76 NZ DX Times a quotation from Arthur Cushen's QSL from the Na-Griamel Federation, and an apparent reproduction of the letterhead, as Tanafo. Could be New Hebrideans use both... (gh)
Timor 5/28 Melbourne "Age" says Fretillin forces station resumed, Wed/Fri/Sun 1030-1200; no confusion with 3550 pro-Indo stn (Robert Yeo, & David Foster, Vic., via NU 6/5) Freq? (gh) (Cf Jun LN-2) **Voice of the People of Malaya** is a new cland IDing as "Surara (Suara? gh) Rakyat Malaya", hrd 5/4 on 7084. Malay annt claimed 7080 kHz and gave sked as Malay 2200-2245, 1300-1345; Chinese 2245-2315, 1230-1300; unID lang 2130-2200, 1200-1230. Malay pgms included combat reports from Perak and Kedah, and commentary on "victories in armed clashes" (BECMS 5/13) **Voice of the People of Thailand** has discontinued program in Mung (White Mao), formerly Wed/Fri/Sun 0000-0040 (BECMS 5/27) Tsk (gh) **Voice of Burmese People's** new 6302 not often gives satisfactory reception, but still there 5/23 1400-1434* w/International (contrary to Coonstilleke report in Jun FRENDX) Also 6/10 *1330 on 6301 (Isao Ugusa, Kobe, Japan)

MIDEAST Iran Radio of Patriots (In Radio-ye Mihan Parastan Ist) is heard daily 0230-0330 on 1250 and 1124 kHz, new anti-Shah station comes from Libyan xtrs, confirmed by precision frequency measurements; last year operated from Iraq on 7230 (BECMS 5/6) **Voice of Palestine, Voice of the Palestine Revolution**, Arabic-lang PLO stn on 1515 kHz extended pgms since 6/6, to 2015, 6/7 to 2115, 6/8 to 2015, with communiquees and reports on the fighting in Lebanon, and appeals to the Syrian forces. English news, introduced 6/6, have been irregular, while French news was broadcast for first time 6/8 1740; opens 1600; also mornings 0400-0500 (BECMS 5/20 & 6/10) The Bagdad-based station of the same name announced as from 6/5 its program would be at 1830-1930, but 6/8 extended until 2030 for Lebanon reports. Radio Cairo has reinstated PLO broadcasts under the same title as of 6/7, at 1000-1100 on 1106, and at 1800-1930 on 7050 and 872 kHz; the suspension began on 9/11/75 (BECMS 6/10)

EUROPEAN PIRATES (Cf Jun LN-3) The "Radio Milan" I heard is probably "Canza Radio" per May LN-3 (David Kernick, UKOGBANI) Address of Canza Radio Milano is Radiant, Via Fara 41, 20124 Milano, Italy; v/s is Mr. Bruno Riffeser, Gen. Dir. Operates on 6218.5 and 1615 kHz (Dario Monferini, Milano, who is also editor of PLAY-DX, a fortnightly xeroxed DX bulletin; his address is Via Davanatti, 8, 20158 Milano) The president of RAI sees the 600 private ("pirate") radio and several dozen TV xtrs as a threat to the radio/TV monopoly in Italy; and sees them as being used for political purposes, per 4/30 'Corriere della Sera'. On 5/11 the Federation of Democratic Radio Stations rejected Minister of Posts attempts to close private stations, blaming RAI for failing to provide access (BECMS 5/20)

AFRICA Zambia, which formerly carried a number of clandestine broadcasts for Angola. South Africa and Zimbabwe, has dropped them, with the only remaining one being the **Voice of Namibia**, sponsored by SWAPO, in English, Subia. Ovambo, Herero; daily 1830-1930; Sundays 1100-1115, 1130-1215 in ZES FS; first is on 9580 7235 6165 (and 6060 exr Suna); second is on 17895 11880 7235 (BECMS 6/10) **AMERICA** Some months back we noted a report that Argentina had broadcasts to the Malvinas, a.k.a. Falkland Islands. Now, we happened across a listing in FBIS under 1190 kHz of a 5-kw **Radio Islas Malvinas** in Buenos Aires, listed elsewhere as, R. Antartida, always as LR9. It's almost 2000km from B.A. to Stanley... (gh) Remember Dr. Carl McIntire, who founded Radio Free America off the NJ coast? Per a report heard on WBEM-FM, McIntire has a new venture: a Vietnamese city in Florida, like Disneyland--a reconstructed wartime Vietnamese village, complete with grass huts, shells, flak, and screaming Vietnamese. It even has a Green Beret camp down the road not to mention the Vietnamese knick-knack store. The tourist is treated to a delightful display, and is invited to 'take cover' with a Vietnamese family. (Scott Newman, Lincolnwood IL) But no radio station? (gh)

FUTURE PLANS ANTIGUA Differing somewhat from the proposed sked in April LN-6

is this tentative sked submitted by either BBC or DW, and published in IFRB Circular 1207, 3/30. Site shown as Antigua, 250 kw, except 5995 Montserrat, 50 kw. 6055, 6085 and 9765 after 0015 are shown as using 2 x 250 kw; rest just one.
 5995 0115-0315 6065 0515-0600 9545 0400-0530 9735 1000-1130 11810 1145-1400
 6010 0115-0200 6085 1045-1330 9590 2115-0115 9765 2145-0415 (Dene Lynneberg, 11880 7235 (BECMS 6/10) 9605 0600-1000 11765 0215-0400 NZ, NZDX 5/76)

Once DW starts using the Antigua relay they will begin with this sked; 0600-0950 in German on 9605; 2130-0105 in Port/Spanish on 9590, and will also conduct short tests at approximate times: 11810, 1300; 11765, 0300; 9735, 1100; 9545, 0400-0500; 6065, 0500; 6010, 0130 (NHK DX News via Bob Bodell, Portland OR, via NU 5/29) Don't hold your breath... (gh)

BELGIUM RTB plans to resume French to the Americas in the fall (OER report on RCI French DX 6/6 via gh) So maybe RTB will do an English thing separate from BRT-4's? (gh) OER = EBU (gh)

BRAZIL R. Educadora de Palmares, Maceio, plans to return to tropical band (Abril Batista Correia de Melo, Maceio, via RCI Spanish DX 6/20 via gh) (Cf Jun LN-4) Chief of RNB's International Division confirms that will drop plans for xtrs near Recife, and put 9 x 250 kW xtrs at Rodeador, 55 km from Brasilia; also will install dipolar curtains instead of present rhombic; these plus 2 x 300 kw MW xtrs will cost about US\$15,000,000 (Mike Canto, Medina, Ohio, via SCIX 5/25) Brasilia HS says Sociedade Rádio Dourados and Rádio Arnanus have been authorized to set up tropical-band stations in Dourados and Barra do Garças, respectively, both in Mato Grosso State (BEC MS 5/20)

For skimmers and the ilk of Charlie Loudenboomer who can't stand to read the whole column:

(MORE FUTURE PLANS) CHRISTMAS ISLAND (Indian Ocean) Generations of Chinese and Malays who have mined rich phosphate deposits have been so successful that most of the island is expected to be gone by the end of the century (Reuters, via Gerry Dexter) So now we know why no BBC relay here (Gerry Dexter, Lake Geneva WI, via NU 5/21) As had been rumored instead of Singapore to replace Malaysia. By the way, BBC is planning yet another new SW relay site, but I can't say where because the source of the information, in Australian DX News 5/76, forbids reproduction without his permission, and I don't have his address in Kathmandu (gh)

ECUADOR Now DX listeners have the chance to help prevent yet another 500-kw monster on our airwaves... by not contributing to the \$300,000 HCJB still needs to implement "Project 500". HCJB already has the most favorable site for covering the Americas, and do you have any trouble hearing their puny 100 or 50 kw senders? And, despite the fact that other missionary voices already reach 'behind the Iron Curtain' with jamming-free Russian programs from closer sites, HCJB wants to try it too with brute force from faraway Ecuador (editorial: gh)

GERMANY U.S. STATES/SPAIN These tidbits were gleaned from a USGPO report on the 2/25 and 3/1 hearings on the Board for International Broadcasting's authorization for FY 1977, before the Subcommittee on International Political and Military Affairs of the House Committee on International Relations: \$4.1 million has been used to purchase a dozen new 100-kw xtrs for use at the existing RFE/RL sites at Biblis and Lamertheim, Germany. Two were installed last year and the remainder will be installed beginning this summer at the rate of one a month to be completed by summer of 1977. GFR has authorized these sites to be used interchangeably /so we'll soon have RFE-Lamertheim, and RL-Biblis-gh/. (Dr. David M. Abshire, BIB chairman) The existing Spanish facility cannot play a major role in modernization. It is physically too small to be significantly expanded, and it appears that Spanish land speculators will convince the Government to require that it be vacated by Radio Liberty for resort development. Thus, any new lease in Spain will require a separate site to be developed from scratch.... Over the years it has often been the practice to assign RL transmitters on the basis of inter-office prestige rather than broadcast effectiveness... \$5,166,000 has been committed to upgrade 50-kw xtrs in Germany to 100kw and alter antennas to make Lamertheim and Biblis each capable of broadcasting both to East Europe and the USSR.. BBC uses the North Carolina site designed for VOA. Those 500-kw xtrs are standing idle during much of prime broadcast time. There is no way to use them economically. (Dr. Maury Lisann, consultant to VOA, and formerly to BIB) (extracted by gh) Madrid radio has again referred to the dismantling of the Radio Liberty installations in Catalonia, stating that the only negotiations outstanding concern the final date of closure (BECMS 6/10)

LIBYA Per the 1976 Deutsche Welle Handbuch, 600-kw SW xtrs are being installed for the Libyan Radio (ADKN 5/76) The "Revolutionary Transformation Plan for 1976/80" includes the establishment of broadcasting stations to cover certain regions of the world Underway is the Sabratha HF station project, and the Benghazi local HF station (BECMS 6/10)

MAURITANIA Moroccan news agency reports that R. Nouakchott announced that the Mauritanian People's Party has decided in principle to establish a second radio channel for foreign broadcasts (BECMS 5/27) **NETH ANTS:** See below

NAMIBIA The Ovambo government is considering setting up its own radio station, separate from SABC, to counter propaganda from neighboring countries (Richard Ginbey, Ssf, SGDX 6/15)

NIGERIA VON says its will be clearly heard in ME, Eu, Carib, Au, India, NAM and throuout Af by 1980 when NBC's 7 x 500 kw xtrs become operational; three have already been ordered and should be commissioned later this year (BECMS 6/10)

QATAR An unconfirmed report says Qatar is to build a new station supplementing the existing installations, to make Qatar's voice heard in as many parts of the world as possible. There are also plans to improve the present HF xtrs for xmsns to Europe and the Americas. The new station is expected to be operational in 20 months' time (BECMS 6/3)

SOUTH AFRICA The Minister of National Education spoke of expanding SABC's foreign services; listeners' letters increased from 42,000 in 1974 to 72,000 in 1975 (BECMS 5/6) This may apply more to the transcription service, which has as big an impact as R. RSA SW (gh)

THAILAND The U.S. wants to keep its listening post in Thailand, via an electronically-equipped balloon, after all U.S. troops are gone, but the Royal Thai Government has refused. (CBC News item 5/30 1401 via gh)

TIMOR/INDONESIA Pres. Suharto will officially announce the integration of East Timor with Indonesia on 8/16, the day before the National Day (R. Australia nx 5/26 via Bodell via NU)

NETHERLANDS ANTILLES The 6 islands are on their way to independence; Holland wants all six to make up a federation, but Gilberto Croes, Aruban politico wants separate independence (Associated Press, 5/23 Los Angeles Times, via SWNS)

LAST-MINUTE ITEMS, LEAD SECTION

WEST IRIAN RRI Jayapura on 9615, *0800, or a few mins earlier; first noted 6/3; day before PES Manila was on this freq; seems irregular, could be a test (Gib Junqua, Osaka)

PARAGUAY R. Ipan, the station of the Paraguayan Youth, operates on 4045 with 500w; address is Box 111, Asuncion (Weltweit Hören, via Benelux DX 5/76) R Chcco Boreal has QSLed for 20950 kHz, altho this is probably a relay by Antelco, the PTP Stn (Maaretn van Liempt BDXC)

KOREA SOUTH HJDA, FEBC Cheju-do again puts out a nice, fat harmonic on 3140, 2x 1570; Chinese 1336 5/27, and several times since; also did it about 18 months ago (Gib Junqua, Japan)

QUICK-REFERENCE LIST

COMPILED BY GLENN HAUSER

If a country broadcasts to NORTH AMERICA only those transmissions appear here, tho others may be easily audible. Transmissions listed from countries not beaming our way are those believed to have the best chance, sometimes infinitesimal, of being heard. For updating information and fuller details on all English broadcasts, consult present, past and future "Broadcasts in English" subsections in the NASWA Listener's Notebook. Times, days are GMT.

AFGHANISTAN R Kabul 1130-1200 15195 1400-1430 3285 4775	CAMEROON R Yaoundé 0530-0600 4972½ (Sun -0645)	ECUADOR HCJB 1135-1145 Fri) 6075 1200-1208 Sun) 9715 1215-1630 11745 1230-1630 15115 0040-0300 9560 11915 0300-0500 add 6095 0500-0700 6095 9560	HUNGARY R Budapest 0200-0230 exc. Mon) 0300-0330)6000 7215 9833 0400-0415 Wed. Sat)
ALBANIA R Tirana 0000-0030 9750 7065 0130-0200) 0230-0300) 7300 6200 0330-0400) 1100-1130 11865 9500	CANADA RCI 1000-1100 5970 9570 1115-1215 9655 5970 2200-2400 6040 M-Fri 0100-0200 9650 6085 0400-0600 11765 9655 CBC Northern Service 1028-2400 11720 9625 0000-0506 9625 5960 not all in English	EGYPT R Cairo 2200-2315 9805 0200-0330 9475	INDIA AIR GOS 2245-0015 3905 6085 7215 9525 11770 11825 11850 1000-1100 11725 11775 15165 15190 15205 17387 1330-1500 11810 15335 1745-1945 9730 15080 1745-2230 7225 9525 11620 1945-2045 9755 11880 1945-2230 9912 2045-2230 7145 9912 11740
ALGERIA RTVA 1900-2000 11910 15420	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685	ETHIOPIA R Ethiopia 1000-1030) 6186 1500-1530) 9611	INDONESIA VOI 0900-0930 9710 11789 1100-1200 11789 1400-1500 11789 9710 2330-2400 11789 9710
ANGOLA R Nacional 1145-1200 9535	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685	FINLAND R Finland 1400-1430 15110 2300-2330a) 15185 0300-0330 9550	IRAN R Teheran 2000-2030 11770 9022A
ANTARCTICA AFAN 24 hours 7215 6012A	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685	FRANCE RFI 1604-1656 15425 15300 15200 et al.	IRAQ R Baghdad 1930-2030 9745v9758
ARGENTINA RAE 2300-2350 Mon-Fri 11710 0300-0400 Tue-Sat 9690 0600-0700 Tue-Sat 9690	COLOMBIA Rdif Nacional 0100 or 0130 9682 1202-1217 9682 11793. (lessons, not daily)	GERMANY RFI 1604-1656 15425 15300 15200 et al.	ISRAEL IBA 1200-1230 17688 15485 15100 11655 2000-2030 11645 9815 2230-2300 12045 11625 9815 9435 0500-0515 9815 9435 7413
AUSTRALIA R Australia 1100-1300 9580 0100-0300 15320 17795 (15320 -0240 Fri) 0100-0600 11780	CONGO RTVC 2130-2145 Mon-Thu) 2130-2215 Fri) 15190 2115-? Sat) 2250-? Sun)	GERMANY EAST RFI 0100-0145) 9730 0230-0315) 0330-0415 11890 12000	ITALY RAI 0100-0120 9575 11810
AUSTRIA ORF 0130-0200) 0330-0400) 6155 9770 0430-0500 6015	COOK ISLANDS RCI 0510-0610 3265	GERMANY WEST DW 0130-0150 6010 6040 M-Malta 6075 6100M 0530-0550 6185 9545	IVORY COAST RTVI 1845-2000 11920
BANGLADESH R Bangladesh 1230-1300 15268v 0445-0515 15405v	COSTA RICA R Casino 0500-0600 5955	GHANA R Ghana 2000-2100 11850	JAPAN R Japan 2345-2445 15300 15270 0130-0230 17825 17725 15420)15235 15195 0500-0915 9505) 15min 1000-1315 5990) on hr; 1400-1815 9505) 30min 1900-0415 15105)1Q1423
BELGIUM BRT-2 0015-0045 9745 9730A	CUBA RHC 2050-2150 17750 11865 0100-0450 11930 0100-0600 11725 0330-0600 11760 0630-0800 9525	GUATEMALA R Cultural 0145-0330 Tue-Sun) Sun 2345-0300 Mon) 3300	NSB 1530-1615 9595 6055
BELIZE R Belize 0430-0510 3300 894	CZECHOSLOVAKIA R Prng 0330-0100 6055 9740 0100-0200) 5930 7345 0300-0400) 9540 9630 9740 11990	GUINEA Rdif National c. 0300 7252v 9652v (irregular)	JORDAN BSHKJ 1500-1630 9560 irr.
BHUTAN NYAB or -1000? 0840-1500 Sun 7040	TIPIC 0300-? Sun/Mon) 6035 0320-? Tue-Sat) 9645	GUYANA Action Radio 0728)0250 3290	KENYA VOK 0255-(Sun 0330-) 4804
BOLIVIA Cruz del Sur 0130-0200 Mon 4875	CHILE LV de Chile 1210-1230) 2250-2310) 15150 0110-0130) 11810 0210-0230) 9566 0310-0330) S	HAITI Radio 4VEH 0000-0100) 6120 9770 1100-1400) 11835	KOREA NORTH KCBS 1000-1100 11535 9420
BOTSWANA R Botswana 0500-? 4845	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685	HONDURAS HRVC 0300-0430 4820	KOREA SOUTH R Korea 1000-1030 11860 9635 1530-1600 9640 1800-1830 11860
BRAZIL R Nacional 2100-2200 11780 15245A	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		
BRUNEI R Brunei 1200-1430 7215	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		
BULGARIA R Sofia 0000-0100) 0400-0300) 9700	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		
BURMA BBS 1415-1600 5039 9730	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		
BURUNDI R Cordac 0500-0515 Mon-Sat 4900 3973	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		
CREDITS: See LN-12	CHINA R Peking 0000-0100 11675 11945 15060 0100-0200 9940 11945 12055 0100-0200)via Albania 0300-0400)7120 9780 0200-0300 9940 12010 12055 1200-1300 11685		

<u>KUWAIT</u> R Kuwait 1700-2000 11845 9555	<u>NEW CALEDONIA</u> R Noumea 0700-0715 Wed 7170 (lessons) 11710	<u>SARAWAK</u> R Malaysia 1100-1230) 4950 7160 1400-1600) 9605	<u>THAILAND</u> R Thailand 2330-0155 11915v 9655v 1055-1155 11915v 9655v
<u>LAOS</u> INR 0600-0630) 1330-1400) 7145 0100-0130)	<u>NEW HEBRIDES</u> R Vila 0630-0650 3945	<u>SA'UDI ARABIA</u> BSKSA 1100(Th/Fri 1000)-1250 1900-2200 both 11855	<u>TURKEY</u> VOT 2200-0030 9515 11880 15165A
<u>LEBANON</u> R Lebanon 0230-0300 9675A 9545A	<u>NEW ZEALAND</u> RNZ sked not established; check 6105 9520 9540 9585 11705 11865 15380 overall span. 1800-1030	<u>SEYCHELLES</u> FEBR 0400-0500 11810 15270 0630(Sun 0630)-0830 15160	<u>UGANDA</u> UBC 1615-1730 9515 6030A 1800-1830 15325 2030-2100 9730
<u>LESOTHO</u> R Lesutu 0500-0535 4800	<u>NIGERIA</u> VON 0600-0735 7275	1530-1645 11810 15325 1730-1745 Su(Th/Sa) 1730-1800 Tu) 9665	<u>UKOGBANI</u> BBC WS 1100-1330 85990 15070 1500-1616 A17840 1600(Sat 1500)-1709 S9580 S15365 2115-2330 11780 2115-0030 9580 2300-0030 89510 2300-0330 7325 2300-0430 86175 5975 0030-0330 A9580 89510 S-Sackville, A-Ascension, G-Greenville NC
<u>LIBERIA</u> ELWA 0600(Sun 0700-)-2300 4770 0630(Sun 0645)-0700 (Sat 0730, Sun -0800) 1945-1615 Sun only 1915-1945, 2015-2045 all on 11940	<u>NORWAY</u> R Norway 1400-1430 15175 1600-1630 15175 17800 1800-1830 15175 2200-2230 15175 0000-0030)9645 11860 0200-0230)15175 0400-0430 9645 11860 11870	<u>SIERRA LEONE</u> SLBS 0600-0730 3316	<u>USA Voice of OAS</u> 2345-2400 15160 11740 9640
<u>LUXEMBOURG</u> RL 0000-0200 6090	<u>OMAN</u> R Muscat 0900-1100 11890	<u>SINGAPORE</u> RS 2230-1630 5010 5052 11940	<u>AFRTS</u> -Washington 0500-1000 11805 0530-1100 6030 (2300-) 0700-1630 9700 (-1730) 0900-1430 6095 1230-0700 15330(-0830) 1330-2200 15430(1200-) 1430-1630 11805(-2200) 1800-2300 11790(-2400) 2100-0500 17765 2300-1300 9755 (standby for sports
<u>MALAGASY</u> R Madagascar 1500-1600 17730	<u>PAKISTAN</u> R Pakistan 0230-0245 17830 21590 0430-0445 add 15325 1100-1115 15110 17665 1350-1405) 9460 15325 1445-1500) 17665 1630-1645 15325 17665 2100-2145 9445 11672 0000-0010 9460 11750 (freqs vary!) 15325	<u>SOLOMON ISLANDS</u> SIIBS 0600-1130 5020	<u>USSR</u> R Moscow 2300-0030 17720 15210 15100 12050 11870 11750 11735 9655 0100-0500 9530 0130-0400 9700 0130-0500 9685 0230-0500 9500 0330-0730 9710 11690 11870 12000 12050 15100 15210 0400-0730 11720
<u>MALAYSIA</u> VOM 0625-0855 6100 6175 7220 11900 15275v	<u>PAPUA NEW GUINEA</u> NBC -0800 9520 -1400 4890	<u>SOUTH AFRICA</u> R RSA 2230-2320 5980 9585	<u>RUSSIA</u> R Moscow 2300-0030 17720 15210 15100 12050 11870 11750 11735 9655 0100-0500 9530 0130-0400 9700 0130-0500 9685 0230-0500 9500 0330-0730 9710 11690 11870 12000 12050 15100 15210 0400-0730 11720
<u>MALDIVES</u> R. Maldives 1500-1730 4740	<u>PERU</u> R del Pacifico 0200-0300 4975	<u>SPAIN</u> RTVE (exc Mon) 0100-0400 6065 11880	<u>SWAZILAND</u> TWR 0600-0700 Su/Th/Fr/Sa 3200 3275 9520 0530-0700 M/Tu/W same 0715-0900 4790 11715 1800-2105 3200 4790 1815-1845 Su 3240 3365
<u>MALTA</u> IBRA Radio 2030-2045 Saturday) 2030-2100 Sun/(Mon)6035 2045-2100 Wed/Thu/Fri) R Mediterranean 2045-2115 Sat 6035 Voice of Hope 0700-0730 Sun 9635 MONAGO Voice of Hope (transmitters: France) 1945-2000 11700 TWR 7100A 7105 0625-0750(Sat/Sun 0800) 0920-0935 Sat 7230 0940-0955 Sat 9640 MONGOLIA RUB 1220-1250 6383 5959 1715-1745 11810 9570 MOROCCO RTM (still17) 1100- 6100 1330-) 11735 1800- 9615 6190 6170 NEPAL R Nepal 1700- 3425 5007 irr. 1435-1520 3425 5007 7105 NETHERLANDS R Nederland 1645-1651 Mon-Fri B17775 (B-via Bonaire) B15190 2130-2250 exc Sun 9715 11730 0200-0320 B6165 0500-0620 B6165 B9715 NETHERLANDS ANTILLES TWR 1105-1225 11815 1230-1400 Sat/Sun 15255 0030-0130 11925	<u>PHILIPPINES</u> RP 1357-1654 (Sun 1554) 9580v Radio Veritas 1330-1400 9545 11725 1400-1500 11725 9610 0030-0200 11725 15280 POLAND PR Warsaw 0200-0230) 0300-0333) 11815 9675 PORTUGAL R Portugal 0230-0300)6025 11935 0430-0500) Voice of Hope 0900-1000 Sun 9670 IBRA Radio 9670 2030-2100 Thu/Sat 2045-2100 Sun/Fri ROMANIA R Bucharest 0130-0230) 5990 6155 0400-0430) 6190 9570 9690 11710 11940 SABAH R Malaysia 1100-1500 4970	<u>SRI LANKA</u> SLBC 0030-0430 9720 1230-1530 7190 9720 15425 1900-2000 7190 9720 11800 SUDAN R Omdurman 1630-1650 6150 5038 SWAZILAND TWR 0600-0700 Su/Th/Fr/Sa 3200 3275 9520 0530-0700 M/Tu/W same 0715-0900 4790 11715 1800-2105 3200 4790 1815-1845 Su 3240 3365 SWEDEN R Sweden 1230-1300 15305 1400-1430 15305 2300-2330 6120 9695 11705 0030-0100 11955 0230-0300 9695 11705 SWITZERLAND SBC 1315-1345 15140 0145-0215 5965 6135 9725 11715 0430-0500 9725 11715 SYRIA R Damascus 2030-2200 9545 TAHITI R Tahiti 1900-1907 15170 11825 (except Sundays) TAIWAN BCC 1830-1930 11825 15345 17890 0200-0350 15345 17890 TANZANIA R Tanzania 0900-1030 9530 9750A	<u>AFRTS</u> -Washington 0500-1000 11805 0530-1100 6030 (2300-) 0700-1630 9700 (-1730) 0900-1430 6095 1230-0700 15330(-0830) 1330-2200 15430(1200-) 1430-1630 11805(-2200) 1800-2300 11790(-2400) 2100-0500 17765 2300-1300 9755 (standby for sports USSR R Moscow 2300-0030 17720 15210 15100 12050 11870 11750 11735 9655 0100-0500 9530 0130-0400 9700 0130-0500 9685 0230-0500 9500 0330-0730 9710 11690 11870 12000 12050 15100 15210 0400-0730 11720 R Kiev 0030-0100 9600 11735 12050 15100 0300-0330 7390 9610 VATICAN R Vaticana 0100-0115 5995 11700A VIETNAM V of Vietnam 0100-0200) 1000-1100) 10040 12035 1300-1400) YUGOSLAVIA R Belgrade 1530-1600 15240 11735 2200-2215 9620 7240 ZAMBIA R Zambia (Sun) 0555-0715 7235 11880

A--Alternate freq.

- BROADCASTS IN ENGLISH AUSTRALIA** A careful analysis of R. Australia's J76 transmitter usage shows that only during the 1100-1300 Nam service are all 3 50 kW xmters in use. It probably serves as a standby at all other times or as a feeder to Carnarvon; but it could be used to provide more hours to Nam. (gh) As of 5/30 the Asian beam at 1430-1730 moved to 6005 from 6035 (Club Forum 5/29 via gh)
- BRAZIL** RNB heard at 2100 on 11720 (unID reporter to TWR DX 6/19) doubt it, but maybe... (gh)
- CANADA** Two or 3 times a year CBCS pgm "Cross Canada Checkup", with phone-ins, experts on a topic, expands to "Cross Continent..." by being carried on NFR in USA, BBC, RNZ; but on 6/5 it was carried on SW for the first time, on both CBC NS and RCI, Sun 2100-2300. NS had it on 9625 but replaced 11720 with 5960; additional xmters operated on 9625 and 5960 beamed to USA; the former with the annoying subaudible het between 50 and 250 kW Sackville xmters. 11855 was for Carib/SAm/Afr; 15325 to Afr; and inventory to Europe 7215 9620 (gh)
- ECUADOR** R Quito has English at 0330-0500 on 4980 (R. Budapest 5/23 via David Snyder. The Brooklyn DX Club /TBDG/, 1137 E 12th, Bro oklyn NY 11230--monthly bulletins and meetings) I seriously doubt both the frequency and the English, tho R. Budapest didn't. :(gh); HCJB post-J76 adjustments: 1900-2030 17780 ex-17755; same at 1730-1800; 0700-1030 11840 ex-11875
- FRANCE** Voice of Hope now via Monte Carlo, to ME 1945-2000 4/13 (Bill Hawthorne, Warrnambool, Vic., ADXN) Same old TWR xmt in France; Aussies consider this new stn; Tuesday (gh)
- GERMANY EAST** RBI on 12030 // 11890 with announcer named Bert Pierce!! (Guy Dunn, Paramus NJ) Assume for 0330-0415 xmsn; reported 6/19; I heard them on 12000, and no Moscow! (gh)
- GHANA** GBC is sending out an xmsn sked with a fill-in-the-blank date of effectiveness; one for J76 does show no real changes, unless you consult the WRTVH76 which has imaginary xmsn to Nam at 1100-1200, to Bu at 2000-2100 and on 15285 at 2045-2215 (via W. Noel Brown, MI)
- GREECE** Some further VOG new freqs: 15345 at 0915-0930 and 1015-1030; 6175 at 21 15-2130(BEC)
- INDIA** AIR HS has a slow English news bulletin at 0850-0915; as of 5/24 the 0930 English news is discontinued, to accomodate a Hindi slow news following the English (BECMS)
- ITALY** RAI to Near East 2025-2045 on new 9575 and 11800 (Richard E Wood, Garden City LINY)
- JAPAN** NSB; see DX Programs section (gh)
- NEPAL** R Nepal HS on 6/5 said "7.1 MHz" would be used in addition to 60 and 90m (BECMS 6/10) English pgm on 9425 is one hour earlier, 1435-1520 (NHK DX 6/13 via gh) That's when it was before, I thought; do they mean it's now at 1335-1420? Could even Nepal be on LST? (gh)
- NEW ZEALAND** (Cf mid-June DXH) RNZ officially returned to SW on 6/5, tho she had caught it testing earlier. A Press Statement from the Minister of Broadcasting, 6/1, said in summary that the Government had agreed to reactivate the RNZ external service xmters to: retain the shortwave frequency; cost less than telex and tape services; maintain relations with Pacific Island communities; and to keep N. in contact with Antarctic scientific staff, and with other parts of the world. Funding is now by the Ministry of Foreign Affairs. (via Tony Du- brick, Urbana IL; and Joe Delap, Prairie Grove AR) It's an amusing sidelight on NZ character that the first paragraph of justification dealt entirely with the need to broadcast international rugby games. Apparently, RNZ SW will be a National Program (MW) relay--a better service than the old system of specifically SW pgms (John Campbell, NSW, via NU 6/12) However people are hearing "Calling the Pacific Islands" and 'external service' IDs inserted Piecing together the sked, which still may be in flux, we find it heard 0041-0152* on 15330, believe said would then go to 9585, but not hrd by 0230 (Mike Hardester, San Diego CA) 0358-0433* on 11705 6/5 (Bob Bodell, Portland OR, NU); to 0450 and opened on 6105 at 0500 (Bill Sparks, San Francisco CA, NU) to 0500 on 11865 (George Poppin, CA, DXH) On 6105 and 9585 0500 past 0700 (Jim Conrad, Waterloo IA, DXH) and heard here at 1030 on 6105 (gh) I wonder if there's more to this than meets the eye? (Hardester) I suspect that the SWL community has been manipulated into protesting an action which was not really planned to be permanent.... (gh) The new sked calls for 2 xmters to SPac at 1800-0700; and 1 ea. to SPac and Au at 0700-1030; Sat 0230 is a special sports broadcast; rest is HS relay (HCJB Hello DXers 6/20 via gh; I think that was what was meant, tho not what was said)
- NORWAY** R Norway is asking for reports on its new 250 kW xmt in these xmsns: to N/CAM 1300 on 15175; Af 1900 15175; Waf/SAm 2100 17795. I almost had a heart attack when I heard how well they were coming thru. (Donald C. Aston, Rocky River OH) One hr later for English on Sundays; annt I heard 6/20 said new xmt is being used in all xmsns (gh)
- PHILIPPINES** R Veritas seems to have expanded its target area, adding East Asia. Even the announcers can't keep up with the constant switching of freqs (Gib Junqua, Osaka, Japan) A beam from Manila to Tokyo would then cross USA from WA to LA, defacto NAS; stronger? (gh)
- PORTUGAL** R Lisbon to EAF. Listed in latest sked as 11875, is on 11840 1800-1830 (R.E. Wood)
- ROMANIA** I've noticed background hiss, pop and static noises on all RB xmsns; on 9690 to Eur and 9570 and 5960 to Nam. It is rather odd (Fred McClenaghan, ODXA, via SWNS 6/76) Leading to speculation that Bucharest is being relayed from somewhere--within Rum?(gh)
- RFSFR ASIATIC** R. Station Pacific Ocean has dropped its Wed Eng pgm at 1930-2000 (BECMS 6/10)
- SILVERA LEONE** Mike Willis has finally done it--heard a long path African on 90m!: One of the best pieces of DX I've heard of in Australia; 0640 on 7316 with play, VG level (Wosler, Vic)
- SPAIN** Excellent svc to Bu 2030, repeated 2130, exc. Sun, 6075 9505 (Charles Wootten, Italy) More...

SPAIN (cont'd) Began 5/24; no English to Europe since discontinuation at the beginning of 1967. Only the 2130 repeat is on 9505 (BECMS)

SWEDEN More changes to J76 sked; 1600-1630 9650 ex-9770 as of 5/26 (SCDX) and as of 6/11 17790 ex-17770 at 1400 (SCDX) neither to NAM, however (gh)

TANZANIA RT carried Voice of Namibia hrd 3/26 1950-2011* on 9684 $\frac{1}{2}$; announcing only 15435 (Martien Groot, Benelux DXC 5/76 via Mac Leonhardt)

TOGO R Lomé had English news on 5047 4/17 1955-1958 (Finn Krone, DSWCI via Leonhardt)

UKOCEANI Cricket season means some special scheduling on the BBC, on these dates: July 8, 9, 10, 12, 13; 22, 23, 24, 26, 27; August 12, 13, 14, 16, 17; 26, 28, 30. These England v. West Indies test matches will be carried on 6050 at 1645-1845; 11680 0945-1245; 15295 at 1700-1845; 15365 0945-1500; 1745-1845; 17790 1330-1745; 21675 0945-1245 (Alan Thompson, UK, NU 5/21) Also to Carib on 15215 'all day'; 11810 at 1015-1245; 17790 from 1309; and to SAs 9740 1215-1745; 7235 1515-1545; 6050 1545-1745 (BBCWRC 6/16 via gh) 9740 is Tebrau; I would-n't be surprised if some of the other are via Sackville (gh)

USA Effective 7/1 the geophysical alert broadcast on WWV at 18 after each hour was to be terminated at the request of the sponsoring agency, the Space Environment Laboratory, Boulder CO. (Announcement at 4 past every June hour on WWV, monitored by Mike Hardester, San Diego CA and Martin B. Mark, Indianapolis IN, both of whom suggest protests to SESC, SEL, NOAA, Boulder CO 80302) KGEI to LAM 0626-0656 and 1100-1130 on 9615; to As 0700-0800 9520 1000-1100 5950 (Tracy Wood, ASWLC 6/76) AFRTS-Bethany on 9275 6/20 -0420; I called, then 9755.

USSR RKiev sked anc'd 6/3; 0030-0100 17720 15210 15100 12050 11960 11850 11735 9665 9600; 0300-0330 15210 12050 11960 11790 9610 7390 7150 (Donald C. Aston, Rocky River OH) R Yerevan 0325-0330 Sun/Wed/Thu/Sat 15100 12000 11870 11690 (BECMS 4-5/76) via Soviet FE (gh)

UZBEK SSR R Tashkent 1200-1230, 1400-1430 15115 15460 11730 11965 (SWNS 6/76)

VATICAN RV 0100-0115 5995 6105 9605; 6165 dropped; 11845 not to be used this season (Richard Wood, NY 5/30) Jun 7-12 tested 6015 stand 6105; Jun 7-9 tested 11835, QRM Uruguay; and Jun 10-12 tested 11700, 0030-0130 (Jim Whitehead, Reading MA) Even had English 0030 (gh)

UNID On 9/20/75 at 2000-2030 on approx 9530 I heard English nx, commentary; 2020 ID as "Tunis News" but Tunisia denied it from them. Whatstis? (Dave Sarrazin, Denver CO) Dunno.

DX PROGRAMS USA Listen for 3 Louisville DXers (NRC Convention hosts) as guests on 'Metz Here', WHAS-840 talk show Fri GMT 7/30 0000-0200 (W. Murphy)

WYFR had a DX or mailbag pgm on a Sat at 2130 on 11805 (Edward Walker Goole, Eng., SCDX 5/1)

USSR R Tashkent DX Club aired on 2nd Sun of month during 1200 xmsn (RT DX Ed, SCDX 6/1)

SPAIN RTE has introduced a DX pgm, Sun 0140 0240 0340, even worse than many existing bad DX pgms, with turgid, incompetent translations of elementary tech material; read by semi-literate anc stressing 'inevitable' on middle syllable (Richard Wood, NY) They dug out old scripts of Spanish DX pgm, and literally translated them, even to title, "CQ, CQ, General Call", and constantly refer to us as "Dexists" and the hobby as "Dexism". Also dared to claim during 6/20 0348-0356 pgm that "Dexists are at the service of the broadcasters", not vice versa, lecturing us on proper reporting techniques (gh)

SOUTH AFRICA R RSA has non-English DX pgms too: French "Cohn DX" Sun at end of 0515-0605 xmsn on 15220 11900; before 1300 Thu 21535 15220 11900; up to 1850 Sun on 4875 3995; and up to 2050 Sun on 11900 4875 9585. German "Kurzwellenreiter" next-to-last item before 1850 on 11900 9585 on Tue/Thu/Sat; ditto Dutch "De Puntjes op DX" to 1750 (RSA Calling, via gh)

JAPAN NSB has 2 DX pgms; one is "BCL Scramble" ex-Hello Jeagum, in Jap. Mon-Fri 0015-0030; other is "BCL in English" Mon and Fri 0000-0015; NSB net-1 3925 6055 9595 (Yoshimori Miyata, Miyazaki; Hiroshi Katsuta, Kuestsu, Shiga, Japan, via SCDX 6/1) What was "Jeagum"???

BRAZIL R Timbira has an English pgm for SWLs, Sun 2300 on 4975 (Maarten ---, SCDX 6/9 via gh) RNB's German DX pgm is on Fri, ex-Sat, in 2000-2100 xmsn, 11780 (SCDX 6/9) And RNB's English DX pgm is at 2140-2150 (HCJB Hello DXers 6/20 via gh; no further info given)

PROGRAM NEWS CANADA Gordon Sinclair fans can hear him direct on CFRX-6070, Mon-Fri at 1545; 2150 (ex-Fri). some other interesting pgms are

"Trotting Results" (when available), daily at 0410; cops another Sinclair Tu/Th/Sa 0305; Police Radar Mon-Fri 1015; Man & Woman, daily 0630; Sun also 0230, 1530, 1930 (chosen by gh from a complete, undated sked via Andrew C. Robins. Kalamazoo MI; HCJB now on 6070 wee hrs):

HUNGARY RB's 'Report' Sat GMT 7/24 0212 delves into animals and humans in the circus (gh)

ISRAEL IBA has a special for the Fast of the 9th of Av (Tisha B'Av) on 8/4 at 2000, 2230, and 8/5 at 1200. Regular pgms include (2000, 2230 pgms only) Sun, Calling All Listeners; Mon, Life and people in Israel; Tue, Israel Hit Parade; Wed, Life on the Moshav alternates fortnightly with Stamp Corner and New Products and Processes; Thu, Glenn Hamilton's A Visitor in the Land; background on Israel TV; freq sked; Fri, Jewish World News; TGIF; Sat, This Week, the week in review (IBA via W. Noel Brown, Ann Arbor MI; John Kleinerman, MD)

NIGERIA VON promotes "Random Thoughts" as humorous and entertaining, Mon 0645-0700 on 7275; other 0645 pgms are Tue, Focus; Wed, Nigerian Newsletter; Thu Meet the Artists; Fri Nigerian Scene; Sat, Short Story (sked valid to end of June, via John Kleinerman, Cockeysville MD)

SEYCHELLES Don't miss "What's the Matter Nurse" or "Liberation from Leprosy" on FEBA, Mon 1545-1600, Tue 0730-0745 (Tom Overcamp, Seneca SC)

Miscelánea Radial DON'T YOU BELIEVE.... rampant misspellings in the DX press--even
FRENDX of certain names and unfamiliar terms, such as:

Wrong	Right	Wrong	Right	Wrong	Right
Ascencion	Ascension	Hondurus	Honduras	de Paransen	Paranaense
Blagoveschensk	Blagoveshchensk	Isreal	Israel	Radiodifusión	Radiodifusión
buenos noches	buenas noches	La Voz du	La Voix du	Raratonga	Rarotonga
Caltanigetta	Caltanissetta	Los Anglos	Los Angeles	Sante Fe	Santa Fe
Caracas	Caracas	Mauretania	Mauritania	Taiwon	Taiwan
Caparvon	Capmarvon	Nanimbia	Namibia	Winnpeg	Winnipeg
Carmavan	Carmarvon	New Calodonia	New Caledonia	Tujsakhalinsk	Yuzhno-Sakhalinsk
Columbia	Columbia	not	now	Zaracuy	Zaracay
Guatamala	Guatemala	now	not	Are there more?	think about 'it/gh.

...a lot of erroneous Russian in the April FRENDX. Govorit does not have a ' (soft sign) after it in the 3rd singular present, as in Govorit Petropavlovsk (only in the infinitive). There is no such word as Rabotskaya, a non-existent pseudo-feminine adjective. R. Legge's article contains many misspellings, arbitrary truncations, French or partially French transliterations, etc. (Richard E. Wood, Adelphi Univ) Like Tujsakhalinsk above, truncated French translation of the Russian, so beloved by the ITU data processing system (gh)

...that RJE stands for Radiodifusora Argentina al Exterior, as on Stubbe's 3/28 DX pgm on HCJB and elsewhere; anyone who ever listened or saw a QSL would know it as Radiodifusión (gh)

...that there is only one Cook Island as per SCDX 3/23 (gh)

...that there is no German-language broadcasting from the USA other than WYFR, as RCI's German Cassette-and-DX Klub claimed 3/28; VOA has regular pgms in German, tho not in the skeds; and KGEI uses German too (gh)

...that BEC still "Broadcasts in 40 languages" as emblazoned on the back covers of London Calling. Counting them isn't as easy as it looks, but I get 32. To get 40 they'd have to split Serbian and Croat and split French, Portuguese and/or Spanish into continental dialects, which is stretching it a bit... (gh)

...that IBA is actually broadcasting to LAM in Spanish at 0000 as on Espacio DXista 3/27(gh)

...that IBA is on 11,450 MHz at 2000 and 2230 as DX Party Line quoted Balbi 4/5 (gh)

...that R. Portugal in English to NAM is at 1430 on 11435, as ODXA was quoted on DXPL 4/5; it's 0430 on 11235 (gh) ...most of the frequencies given on the ASWLC report on DXPL 3/30 and 4/5, such as R. Seoul on 9460 (R. Korea on 9640), R. Bucharest on 9695 (9690), R. Mexico on 21375 (??), R. Australia on 15325 (15320); RHC on 60.60 MHz (6.06); Guatemala on 61.80 MHz (6.18); and that R. Tirana is a "small broadcaster"! No experience needed...(gh)

...Tunisia's denial that it uses 15225, (R. Australia DX 3/28)

...R. Australia's sked on p. 32, ASWLC 4/76; it's in Australian EST, not GMT (gh)

...the R. Mozambique sked on R. Japan's DX News 4/11. Besides seemingly out of date, times were in local:plus 2, not GMT: (Bob Bodell, Portland OR)

...Norman Ellis's cliché concluding R. Australia's DX pgm 4/26 0226 that the program would be heard at the same time next week, just after giving out a full sked of different times(gh)

...the non-verie QSL from Cayenne listing 4472 kHz (Tom Overcamp, Seneca SC)

...that HCJB broadcasts in Spanish on 9765 and 11910 MHz as announced 3/27 1227 (gh)

...that Ulan Bator varies in $\frac{1}{2}$ -kHz steps as in Apr LN-2. I'm sure Gib was rounding (gh)

...that 20,000 MHz is a standard frequency, as Stubbe claimed on HCJB 4/8. This is only 3 orders of magnitude off; why do even "engineers" have so much trouble with kHz and MHz??(gh)

...that 4980 is in the 61 mb, 4960 bears RTVN-Columbia on 62m as on RCI's Spanish DX 3/11(")

...that the Russians are jamming Carl McIntire (Apr LN-5); it seems equally likely that the jamming is coming from a space ship circling above Crystal Beach, Ontario (Don Jensen) It's not from a huge submarine, but from a wooden mine sweeper, formerly a pirate station off the New Jersey coast. Hi! (Larry Magne, Rockledge PA)

...that my Congo English sked info was from SCDX (Apr LN-7); I heard the announcements myself (James A. Conrad, Waterloo IA) Sorry (gh) (Bixby: Newport Beach CA)

...that Swaziland left 4980 for MW. I heard it on 4/6 at 0456 with the traditional SMR "popcorn" IS, with IDs as Swaziland's Commercial Radio, and Portuguese at 0501 (Mark Bixby)

...that RCI still uses Malta relays as on an April TWR DX Special. "Get in touch", AI: prayer simply isn't an adequate way to obtain DX information. (gh)

...that Radio South Africa broadcasts in Dutch at 1700, as on TWR DX 4/24. The distinction between Radio RSA and Radio South Africa is important, and easily learned (gh) (ne)

...that RFI uses 500kw on 15265 to NAM; that xmtr is beamed to SAM; only 100kw to NAM (Mag-...DX info from Artur Miranda. Re Kapuri not being the 3403-3413 stn, 'e don't know what'e's talking about: I don't know where Miranda gets his info, but it's certainly not by listening to the station concerned!!! (Tony Jones, Asunción, Paraguay, NU 4/17)

...that the Malaysian xmtr on 15275 is in Sabah; I made the error in the WRTVH and it wasn't corrected this year; it is in peninsular Malaya, used to feed MW 1475 in Sabah (Chas Taylor)

...the United World Radio DX Club's 3/76 magazine, reprinting years-old skeds from PE as if they were current. What good is almost perfect spelling, offset printing, good layout, and even a plug for gh on RN, if the info published is wrong? A case of some SWLs jumping into grandiose publishing without experience, and having to charge \$10 a year for 8 pp/month(gh)

...that just because WVUS (during the 1962 Cuban missile crisis) operated on the same fre-

(MORE D.Y.B.) quencies and employed the same ID style as WRUL that all WVUS xmsns necessarily came from the Scituate xmt site (C.M. Stanbury II) OK, Stan, how about telling us where they did come from, and just what proof you have? (gh)

...that R. Iris, Ecuador, is running 2 kW on 3380 as listed, or 10 kW as the xmt is rated; they cannot be sure of more than a 5 kW output because of technical problems (SWNS 4/76)

...that NEW YORK is a country (yet) as the address listings in the last R Australia program guide would indicate (gh)

...that LN is always published intact. The previous D.Y.B. page was held over from the May issue, and again from June, for space reasons (gh)

...that it's easy for us to use the */* system. Here in the U.K. we have to pay about 50 pounds extra if we want a typewriter with asterisk! (David Kernick) I have no pound sign (gh)

...that Hawaii is in North America, as Keith Glover alleged on R.A. Mailbag 6/6 (gh)

...that Saudi Arabia has a "Korean" program as Norman Ellis said several times on R. Australia DXers Calling 6/13; it's Koran; that the numbers 10060, 10226, 10040 and 12035 are pronounced "one thousand and sixty, one thousand two hundred twenty-six one thousand and forty, and twelve hundred and thirty-five" as Tim Cousins said consistently of Hanoi on the same program 6/6; shouldn't the ability to read numbers correctly be a minimum qualification for DX program announcers?? ...that I reported Paris Calling Africa still at 1700 as misquoted on the same program; or that Jack Jones is in Missouri, ditto (gh)

...that R. Australia uses 9880, as on DX Party Line 6/10 quoting an ODXA QSL (gh)

...the R. Australia program guide showing Mailbag at 0140 Monday; it's Sunday, GMT (Warren Moulton, Club Forum 6/19) ...that 2040 is the same as 20 to 10 American Eastern Standard Time, as Moulton asserted on same program (gh)

...that R. Nederland has relays in several areas other than Bonaire, as on DX Party Line 6/5 or that Benin is a relatively new country, as on the SPEEDX report same program. Benin was chosen as a 'reactivated' name for a very old country, recently known as Dahomey; or that AFRTS uses "a lot of frequencies", same program; one or two per band isn't a lot (gh)

...that AFRTS stands for "Armed Forces..." and comes from New York, as on TWR DX 6/19; it's been "American Forces..." and from Washington for a good many years; or on the 5/29 TWR DX that medium wave is used in every country, and that NASWA recently changed its name to NASA, and has an address in South Charleston. ...on the 6/5 TWR DX that a station in the Colombian jungle has a French name, La Voix de la Selva, or that R. Globo is on 1205... and the 6/19 report, without batting an eyelash, that UN Radio has a religious program on 11780 at 2100. I'll believe that only when WYFR starts carrying the General Assembly on 11900 (gh)

...the BBC Theatre of the Air schedule on Jun LN-5; BBC juggled the order (gh)

...that 3980 VOA-München is only 8 kW. WRTH lists only 100 kw xmts there, and is so listed by Anker Petersen, which I'd believe a lot more than Monica's. (Pitt McNeil, Washington DC)

...that there is any R. Setente listed in Honduras MW section as purported by Perry in mid-May DXH (McNeil) Setente is clearly a mishearing of Satellite, which isn't pronounced anything like its English cognate (gh)

...that Esplanúmeros belong in LR; they are pure Ute at best and NASWA is pure SWBC; that WNEW is relayed for SWBC as 9460 June LR-C-2 suggests. Is relayed by ute, as are Venezuelan soccer games (11675 Caracas ute carries Continente-5030 games on USB) (McNeil) It is possible to be too pure; why disregard quasi-broadcast activities, and besides, the 9460 transmission is known in the trade as a 'blind broadcast' (gh)

...that the 4875 African was ever Sénégal; always has been Bamako (now 4885) and Sénégal always 4890; that 15220 Hungary is still only 15 kw to the Americas as it was last summer. Hrd 5/27 *2359 Spanish with very good signals (McNeil) But to NAM may be low power (gh)

...Magne's poor results with the Becker converter, as in May LN-8. I use it with one of these \$20 palm-size radios and get good results, with car QRN only when between buildings or in the mountains; as for local AM station QRM, he should recheck his ground and the connection between radio and converter, which has a habit of slipping out (Chas. Wooten, Italy)

...that USPS abbreviates Connecticut "CN" as in June FRENDX-55; it's CT. ...that CBC News is supposed to be on 6085 after 0200, as it was 6/9, before they cut to DW at 0204. I've heard Sackville screw up on cues IDs, but never five minutes of regular programs Somebody's been passing the Molson (bière!) (Bruce Goldsen, Georgetown CT) Not the first time (gh)

...the May LN-6 report from HCJB that Korea was on 11660; I checked it out, and at 0900 5/16 they weren't on 11850, either--jamming, and 9640 was in Korean, not English. ... that SPEEDX reaches Japan faster than FRENDX, because it's on the west coast, which is a selling point for SPEEDX's popularity in Japan; besides, most of them get it by surface! (Gib Junjun Japan)

INTRUDER WATCH A military SSB station, "Alpha 81" was noted interfering with WWV on 10000 kHz at 1914 5/10. This is the second time in the past several months that American military stations interfere with North American reception of WWV; NSS had fax on 5000 at nite (SWNS)

A station is polluting the entire 16, 19, 25 and 31 mbs with atrocious distorted spurs and parasitics, every nite at about 0330; alternates music and talk, language seems Portuguese. Not just moderate dirt and splatter per RHC, but overwhelming dirt every 10 kc's or so (Jon H. Greenberg, Louisville KY, 5/17 via Leonhardt) I checked and found only a lot of Maynk (Soviet) jammers on 19 and 25m, which sound like that but are in Russian, and not every 10 kHz; always there, but becoming audible to us in May due seasonal propagation (gh)

DOGHOUSE At 2030-2100 RDP Port to Afr/Brazil on 9635 now clash with Min. Soc. Comm 's R. Liberdade in Port from Sines, near Lisboa, on same frequency (BCMS 5/13)

PUBLICATIONS A SWNS Review of Mother Night by Kurt Vonnegut Jr. (Dell, \$1.25)

First published in 1961. this is probably Vonnegut's least known novel, and possibly his most interesting. In any event, it is one of the few novels written by anyone centering around a shortwave broadcaster--Howard W. Campbell Jr., author of stage romances with heraldic settings, a book of erotica (which eventually becomes Russia's answer to "The Joy of Sex"), turned hardcore Nazi shortwave propagandist and secret American agent. Hidden in the most vile of Campbell's WWII hate broadcasts are secret messages for allied intelligence.

Vonnegut is known primarily as a science fiction writer but this novel's only major technological interest is the very real world of international broadcasting and its listeners. On the other hand, the world of high frequency freqs is certainly as fantastic as any space opera. A major character, for example, is the lunatic SWL/dentist L.J.D. Jones who claims to have established the superiority of the white race by the condition of its teeth.

Unfortunately, "Mother Night" was written before Radio RSA made its appearance on the SW scene. There is however a reference to the German translator "Carlyle F. MacIntire", whose latest jamming fantasy (reprinted in Apr LN-5) is considerably wilder than anything the author of "Mother Night" could have dreamed up. This is because Vonnegut is far more interested in software than in the hardware that controls it--which has been the major obstacle to Vonnegut's career-long attempt to use the trappings of SF for serious literary purpose. Had Vonnegut really become a SWL who knows what he might have produced. (C.M. Stanbury II)

IN MY OPINION (as if there hasn't been lots of opinion already expressed! hi -gh)

Neil Schulman, Brooklyn NY: "I recently put together a list of the 10 best programs on the air. First is Dr. Bundolo's Pandemonium Medicine Show (CBC NS)--some riotous bits and good all-round entertainment. Also from Canada is the Royal Canadian Air Force, which has excellent comedy and is a must for the SWL. Other goodies: His & Hers--Jerry & Dody Cowan run a fun show with good music and letters. All time favorite Happy Station, DX Jukebox, DX Party Line, the BBC's top-notch The World Today (good political features), Don Morse Request Show, BBC Pop Club, and Luxembourg's nighttime music program. These 10 are tops! How about some other opinions? P.S. What building is on the front cover of the June FRENDX?" (R. Tirana, QSL)

Andy Robins, Kalamazoo MI: "I came up with an ideal scenario for domestic SWEC. There would be ten stations serving ten specified regions, concentrating their efforts in programming for special needs their own region might have. They would also relay exemplary programs from MW and FM in their regions (e.g. New York, WQXR, WCBS, WNYC).. They could be used to save native cultures and languages from extermination, such as Hawaiian. In addition there would be in Washington DC a 50-100 kW station carrying National Public Radio on various ISWEC bands. # Andy proposes the stations to be in Augusta ME, New York NY, Atlanta GA, St. Louis MO, Duluth MN, Olympia WA, Albuquerque NM, San Francisco CA, Honolulu HI, Anchorage AK. And includes powers ranging from 5 to 25 kW; daytime operation on 49 or 31m; and nights on higher bands (gh)

Gib Junqua, Osaka, Japan: "Extremely surprised to learn from Ed Shaw's article on African DXing in April FRENDX, that Somalia is now two countries...oops" He said NASWA countries. Well, then; just what the devil is a "NASWA 'country'"? It seems to me that a country is a country is a country - hi. Just what sort of arcane machinations went on in the back rooms of NASWA HQ to determine this? ... Or would it be best not to contemplate the supramundane and esoteric accomplishments of NASWA?" #once divided, always divided says the NASWA CLC(gh)

ASK THE EDITOR Why are so very few loggings for R. Malaysia in the tropical bands in FRENDX? Although I've seen many many Indonesians reported, I have found, in the issues Jan thru April, only 4 loggings below 5050 kHz for Malaysians. Is it that these are very hard to pick up Stateside? Or are they so easy that nobody even bothers to mention them? (Gib Junqua) The latter, I think. And Indonesian DXing is quite a fad now; lots more variety (gh)

Why is such a huge amount of programming devoted to German? (Bruce Goldsen, Georgetown CT) Only 9 languages are spoken by more people than is German; DW really goes about its business in a big way; lots of German-speaking immigrants in the new world to be reached by DW and by missionaries. Still, only a few stations broadcast much in German; but they're well-heard

How should R. Moscow xmr site QSL cards be counted for scoreboard and award purposes? I recently received one for the NAS at 2330 on 7150 as Khabarovsk. Ole Alm calculates the probable location as Simferopol, in the Ukraine, several thousand miles away! Clearly it is unreasonable to count this as Khabarovsk, but can it be counted as Simferopol? Hardly. What should the standards for counting such veries be? #The only real solution is to forget about QSLing and enjoy the basic hobby of DX listening. Who needs 'em? (gh)David Ball asked:

TIME JUMPS Albania 5/1 until 10/2 is on GMT + 2 Benelux will observe DST next year, 4/3 to 9/25, GMT + 2. China Since 5/10 Sinkiang time is advanced 2h to match Peking GMT + 8'

Italy adopted GMT + 2 on 5/29, until 9/26 Letanov advanced to GMT + 3 from 5/1 to 10/1;

Syria adopted same time 4/30 (various BECMS reports) Guyana R Demerara had a GMT - 3½ time anat, not GMT -3 as in WRTX 76 (and BECMS, LN -gh) (W. Martijn, BDXG) Better than 3-3/4, hi

QUICK-REFERENCE ENGLISH LIST CREDITS for new info: CHINA: Overcamp, Kleinerman; CUBA: Brown, Kleinerman; GRENADA: Overcamp, Brown, Legge. INDIA: Brown. KOREA S: Junqua. KUWAIT: Wood

MALTA (IBRA): Brown. MONGOLIA: Junqua. NORWAY: Kleinerman. PHILIPPINES: Junqua. SWNS.

PORTUGAL (IBRA): Brown. SEYCHELLES: Overcamp, Goonetilleke(via NU). SWAZILAND: R. Australia

DX 6/20. A multitude of other sources include SCDX, SPEEDX, ASWLC, ADXN, DSWCI, BECMS, NU.

NHK DX pgm, past LNs, and skeds direct from strns, many thru NASWA HQ: Mac Leonhardt Thanks:

NEW NASWA AWARDS COUNTRY DETAILS

In announcing two new series of Awards Certificates, it is imperative that further details be provided regarding the countries being considered for the new awards. As always, requirements for the awards certificates include proof that a verification of one station in each of the countries listed on the awards application. Prices are still \$.50 per award, and it is earnestly requested that payment by stamps be less than \$.15 in denomination.

ARAB WORLD DXER. DXPERT

- | | |
|------------------------|----------------|
| Saudi Arabia | Morocco |
| Yemen Arab Republic | Tangier |
| Union of Arab Emirates | Spanish Sahara |
| Kuwait | Tunisia |
| PDRpublic of Yemen | Libya |
| Qatar | Afars & Issas |
| Oman | Egypt |
| Syria | Chad |
| Lebanon | Sudan |
| Israel | Somalia |
| Jordan | Bahrein |
| Iraq | |
| Algeria | |
| Mauritania | |

Qualification for this award include countries that uses Arabic as either the first or second major language of the country. Source of information is the Hammond International Atlas. You might find it strange that Israel is listed as a country in the Arab world, but it's 2nd language is Arabic!

BRITISH COMMONWEALTH DXER. DXPERT

- | | |
|----------------|-------------------|
| South Africa | Malaysia |
| Turks & Caicos | Seychelles |
| Canada | Sarawak |
| Grenada | Sabah |
| Guyana | Singapore |
| Great Britian | New Hebrides |
| Cyprus | Fiji |
| The Gambia | Australia |
| Sierra Leone | New Zealand |
| Ghana | Mauritius |
| Nigeria | Malta |
| Uganda | Hong Kong |
| Kenya | Rhodesia |
| Tanzania | Newfoundland |
| Malawi | Gilbert & Ellice |
| Zambia | Solomon Islands |
| Swaziland | Ascension Island |
| Botswana | Falkland Islands |
| Lesotho | Jamacia |
| India. | Papua |
| Bangladesh | New Ireland |
| Pakistan | New Britian |
| Sri Lanka | Admiralty Island |
| New Guinea | Aust. Solomon Is. |

These are the major members(past or present) of the British Commonwealth. There may be more; they will be handled individually. Data for these countries come from many sources, but the Funk and Wagnalls encyclopedia is the major source.

I hope these new awards will provide some interesting challenges for you DXers. I do think that the Arab world DXPERT award will!!!

Dan Henderson
Awards Chairman

P.S. Look for a new award soon---one for the tropical bands!!!

#####

HELPING HAND: Just obtained a R390-A-URR. Very clean and seems okay but I still prefer my R4B. Guess I'm used to the R4B and this big clodhopper seems out of place in my shack. So the first SWLer with hot pants and \$400 for a big daddy gets this one. Will also sell my XCR-30 which has been revamped by Grant Manning. Better select selectivity and a re-soldering job. \$250 is the price. Larry Brookwell San Diego., CA. 714-429-9728.

HELPING HAND: For Sale, HQ-180AC in exc condx (1968) w/manual and org. box, \$350 & shipping, laso SX-96 gen. cov. RX, Exc. cond. for \$100 & shipping. Both shipped via UFS. Write Bill Whitacre , 2609 Devonshire, Lansing, MI 48910 or call (517) 482-7996.

HELPING HAND: For sale. Popular Electronics magazines, 1963 - 1974, 35 issues. \$7.00 postpaid. Contact Andrew Pappas, 11421 Maplewood, Chicago, IL

HELPING HAND: For sale. Heathkit GR-78 solid state general coverage receiver in very good condition. Portable, would be ideal for trips and vacations. Will negotiate price, contact Andy Robins, 2724 Fleetwood, Kalamazoo, MI, or call non-collect 616/343-1890 after 5:00 PM.

Topline tip... ANOTHER EXAMPLE OF THE TIGHT WALLET SYNDROME: Space Environment Forecast Center announces the following reduction in services effective 1 July: Solar announcements on WWV/WWVH will cease! Geoalerts will be issued only when they contain significant solar event information. The Center is also eliminating the acceptance of long distance collect calls requesting data.

DX

Editor: Gerry L. Dexter
RR4, Box 80-D
Lake Geneva, WI 53147

Mid-month deadline: July 16



Hotline

TOPLINE (more)... John S. Sterling, SC, noted announcements regarding cancellation of Geoalerts at 18 past the hour now being made at :04 past the hour.

Needless to say complaints are in order. Write: Space Environment Services Center, Space Environment Laboratory, ERL, National Oceanic and Atmospheric Administration, Boulder, Colorado, 80302.

CLANDESTINE: Malaysian clandestine station noted 7083.6 scheduled 2130-2315 and 1200-1345. Chinese, Malay and one other. (BBCMS/UADX).

EAST GERMANY: Young, CA reports FBI showing up on some strange spots. Namely 11892, 11940 and 12000 from 0400 - 0600 to North America.

MAURITANIA: Nouakchott heard in Arabic on new 9690 at 0715//4845. Nice signal. Tentatively heard on 9690 at 1345 with Algiers on 9685. (Victor Jaar, Quebec)

NORTH VIETNAM: Hanoi 1st network in VV using 7375 on 4934, 3999 and 10060 at 1400. Second program on 10225, 7470 6030.5 and 4995. Viet Bac scheduled 1100 to past 1400 on 6720 and 4032 (and ID'd by GVG on 4103V.) Tay Bac on 4770 at 1300. (Willis, DUDXC/UADX)

OMAN: Radio Oman 11890 in with full data QSL in 30 days. Address: P.O. Box 397, Muscat, Sultanate of Oman. (Young, CA)

OWAMBO: Another of the black homelands in South Africa is said to be planning a station to "counter hostile propaganda from neighboring states and abroad," and should be built in the capital, Oshakati. (Ginbey, SCDX) Not indicated if would be shortwave. (ed)

PERU: Radio Nacional, 6082 with Andean music, Full ID at 0955 tune. Radio Santa Rosa on 6045 at 1032 with group of ads, ID and news. (Jack Jones, Miss.)

SAO TOME: Still Showing on the West Coast, 4807 around 0600 according to Jim Young, CA. Hets from a presumed Radio Norte on 4806.

SEYCHELLES: FEBA heard now on new 9665 replacing 11715/11785. Noted with Arabic 1800-1900 sign off at good level. (Jaar)

SOMALIA: UADX reports continued activity from Hargeisa on 11645 to 1330 close. Then again from 1500 to 1630. Parallel on 7121.6 after 1500.

TURKEY: TRT now supposed to be siring a daily DX program at 2230 on 11880 & 9515. (SCDX)

URUGUAY: Radio Ariel, 6075, renamed Radio Continental. (SCDX). Which should leave Argentina about the only Latin country without a Radio Continental! (ed)

SIGN OFF: Just a few reports filtered through and no cartoons to fill up space either. But who can laugh at cartoons with RWP in the midst of Andean Antics. Mid month deadline bumped up to 6/16. See you then. Ger.

Log

Report



Section A

• Ed. Sec-A: Dan Robinson
44 Spring Valley Rd., Levittown, PA 19056

- 2190 USA Kentucky WMTC; 730 times 3 w/good steady signal 1110, lcl rx summary, PSA's, TC's; 1130 15-min. summary Kentucky rx (Hauser-TN)
- 2420 GUATEMALA (T) R. Rumbos; 0127-0200 in SS, LA mx, US pops, F/out before 0200, no ID hrd (Bogel)
- 2425 RHODESIA Gwelo RBC; 2050 f/in w/Gen. Svc., piano mx //3396 (Padula)
- 2580 COLOMBIA (T) UNID; 0303 since 5/16 ments. of Todelar, ads; most likely 2 times 1290, s/off 0400; also noted 1019 w/mx (Hauser)
- 2600 USA WSYD Mt Airy NC; 2 times 1300, 5/16 1030 C&W mx, ads(Hauser)
- 3200 SWAZILAND TWR; seems to be NF to replace both 3275 & 3365 w/EE rel. px from 2015 to 2107* first noted 5/20 (Padula)
- 3204 NIGERIA NBC-Ibadan; 0510 w/vern tlks by M, P in QRN (Robins)
- 3227 LIBERIA ELWA; IS from 0607-0615 s/on amnts, Afro mx, full ID; into vern px w/chants and mx, f/out around 0657(Courtney, Ravenhorst, Willis, Padula) Good LP-Ausi, ed.
- 3240 UNID; seems like an Afro here 0630, also one on 3255; guess Liberia(Willis) Why Liberia- it is doubtful that ELBC has a //, or do I have you wrong? ed.
- 3245 CHINA Chengdu; 1400 w/CC amnts, E (Willis) Maybe you could include some of those news items in FRENDX, Mike ed.
- 3245 VENEZUELA R. Libertador; *0955 w/NA, ID, into ?SS tlk(Jones) 0017-0021 w/M in AA/SS tlk; into AA chants by M, then some AA inst. mx (Moritz) AA?
- 3250 SOUTH AFRICA SABC; now here ex 4810, Springbok Radio 2045, pops, EE ads(Padula)
- 3255 VENEZUELA La Voz de El Tigre; another rarity for Melbourne as 90mb YV's are only hrd occasionally; 1015-1030 w/fast SS amnts, ads, mx, CW QRM(Padula & Bunn)
- 3260 PAPUA NEW GUINEA R. Madang; 1031 to 1035 in Unid lang, tlk by M, mx (Lineback)
- 3280 ECUADOR LV Del Napo; 1007 in Indian lang w/choir and rel. px (Jones)
- 3285 SOUTH AFRICA SABC; ex 4835, EE svc, mx 2050, 2116* (Padula)
- 3295 VENEZUELA R. Trujillo; 0012-0016 in SS w/ID by M, into pops like "Fly Robin Fly" (Moritz)
- 3300 BELIZE RB; 0307-0322 w/BBC mx, lcl wx, lcl amnts in EE, MDR mx(Moritz)0445 w/EE ID, cmtry(Schwartz) 0507*; 0504 prayer, rel mx, anthem, GSTQ and off (Jones)
- 3315 MARTINIQUE Fort de France FR3; *1000;last hrd in 1968; FF amnts by M, Calypso mx on guitars to f/out 1012(Padula) 0206-0213 M in FF tlk presumed nx, into Simon and Garfunkel 0211, P (Moritz)
- 3316 SIERRA LEONE SLBS; *0600-0650 in EE, new 5 note IS?, full ID by M, nx 0630 and very strong(Ravenhorst) 0630-0710f/out, ads in lang, some EE, tlk to 0650, BBC rx relay 0700, all via LP reception(Willis, Padula) 2333-2344 w/EE ID by W, amnts between piano riffs; running late 5/25(Moritz)
- 3320 SOUTH AFRICA SABC; 0445-0508 in Afrikaans, chimes and IDs(Schwartz, Moritz, Jones) 2055 w/jazz mx, Afrikaans svc to 2115*(Padula)
- 3335 PAPUA NEW GUINEA R. East Sepik; 1020 in lang, some EE hrd, C&W mx and some yodeling(Lineback) Thats yodeling folks, however it's spelled, ed.

- 3345 HAITI 4VEH; 1000 in SS w/ID, into rel. px, may have been a s/on (Jones)
- 3346 ZAMBIA RZ; 2045-2050 w/Gen svc. Afro mx, anmts in vern, first time hrd this outlet for same time (Padula) 0449-0504 w/Afro tunes, M in vern lang as if speaking to a crowd, more mx and tlk followed (Moritz)
- 3360 GUATEMALA LV Nahuala; 0416-0432 M in SS tlk, into wierd lcl mx, M reading letters, ID, QTH, freq, NA at s/off (Moritz)
- 3365t BRAZIL R. Educadora de Paranaiba; 0812 lively mx and brisk PP anmts by M, thought hrd mentions of Paranaiba, but not sure-(T) (Robins)
- 3366 GHANA GBC; 0534-0544 M in vern, then rel song and into EE TC & lcl anmts, not // 3350, which was running different px (Moritz)
- 3375 ANGOLA R. Nac; reappeared running // 4820, first noted 5/21, 2120 w/speech in vern, into PP or PP sounding lang; ID 2148 then Afro songs- situation seems to be stabilizing radio-wise in Angola now(Padula)I'll wait for those regionals, ed. 0510-0525 M in PP tlk w/many ments of Angola, PP vocal, Afro mx and more tlk (Moritz)
- 3380 MALAWI MBC; Elantyre 0314-0320 w/Afro singing w/drums, M in presumed Chichewa, then more mx (Moritz 5/30)
- 3385 PERU R. Dif. Centro del Pais; it seems the UNID on 3386 has been identified as this by Tony Jones as noted in June Mid-month DXH; it could be that the stn is drifting to 3386 making mush w/Zaracay
- 3385 PAFUA NEW GUINEA R. East New Britian; 0920-1015 w/Pidgin & EE tlk, mx, nx at 0930, M & W ancrs, ID 1000 by W and "Nat'l NX" at 1000 (Ravenhorst, Lineback)
- 3385 FR. GUIANA Cayenne; *0900 time pips, guitar IS, anthem, ID and into pop mx (Jones)
- 3390 ECUADOR R. Zaracay; 0445 in SS w/Andean mx (Jones)
- 3395 VENEZUELA R. Universidad; 0255-0305 w/mostly ballads, ads, clear ID 0300 giving freq, then more mx (Earhart)
- 3396 RHODESIA RBC; 0411-0425 in EE, C&W mx, ads, inst, mx (Lineback) This may sound out of line, but with current instability in Southern Africa, those few not having verified this one had better do so, ed.
- 3396 NIGERIA NBC-Kaduna; 0515 Afro mx, no anmts, P in QRN but better than Ibadan(Robins)
- 3486 CAPE VERDE IS RCCV/Sm. Oficial; 0735 t/in w/upbeat European PP pops and some lcl numbers, G but fades rapidly and gone by 0745 (Robins)
- 3905 ADMIRALTY IS R. Manus; 0915-1015 w/Pidgin and EE, mx, nx, TC 0930 & 1100, nx at 1100 (Ravenhorst) 1038-1200 island mx, M w/ammts, E(Lineback)
- 3910 JAPAN FEN; mx and cmtry, TC for "10 PM Japan Standard Time" (Poppin) Need some time George, ed.
- 3925 JAPAN NSB-Sapporo(T); 1011-1034 M&W in lang tlk, occasional flute mx, short mx before 1030 then W in tlk; lang is very (T) (Moritz)
- 3955 SOUTH AFRICA SABC; 0437-0501 in Afrikaans, ID, cmtry, nx (Poppin)
- 3965 SOUTH AFRICA SABC; 0414-0500 in EE, IDs, wx and mx, cmtry, rel. px(Poppin, Sheehan)
- 3980 SOUTH AFRICA SABC; 0354-0450 w/the usual EE tlk, ads and mx(Poppin, Sheehan)
- 3995 W. GERMANY DW; GG ID 0504 via LP (Padula)
- 4485 USSR Petropavlovsk; still here in RR 1324 w/TC; (Poppin)
- 4680 ECUADOR R. Nac. Espejo; 0114-0140 SS, tlk by M&W, mx, cmtry, IDs(McClure, Yajko) 0315-0435 more IDs, ads, tlk in SS, E(Ball, Poppin)
- 4705 BOLIVIA R. San Miguel; G signal at 0025 w/SS, mx and ads, M ancr, ID(Leffler) I really don't know how you hrd this one-I've been trying to no avail, ed.
- 4719 SULAWESI RRI Ujung Pandang; 1332-1346 in lang, drama w/mx, hrd a few Indo words (Poppin)
- 4755 COLOMBIA R. Nuevo Mundo; 0355 in SS w/nx, ID(Schwartz)
- 4762 CONGO LVR; 0453 lang, drama; NA, ID, FF tlk at 0500(McCoy)
- 4765 CONGO LVR; 0510 w/FF cmtry, mx, ID(Schwartz) Either the station is varying that much or this difference is due to rx. calibration, ed.
- 4765 UNID; 0100-0130 barely audible, M ancr w/ballad type mx, SS, (Davenport)
- 4770 LIBERIA ELWA; 0645 in EE anmts, ID (Schwartz)
- 4770 VENEZUELA R. Bolivar; 1033 in SS w/LA mx(Jones) 0030-0048 LA mx, SS(Yajko, Tanner-)
- 4777 GABON LVR; 2310-2340 in FF, nx & ID, cmtry; 0450-0512 Afro. mx, FF tlk, wulf) (Schwartz)
- 4780 VENEZUELA LV de Carabobo; 1001 w/"Musica de Venezuela"(Jones) 2305-2310 SS w/US march mx (Schwartz)
- 4780 DOM REP. R. Norte; 0134 SS tlk, LA mx (Jones)
- 4790a PERU (T) R. Atlantida; SS w/M ancr in lang tlk, crowd noise in background(Davenport)
- 4790 UNID; station here not the Latin sometimes hrd;0610-0630*- was not in SS or PP (Willis)
- 4807a REP. SAO TOME&PRINCIPE; Good level f/in 2215, PP pops, anmts, followed through to 2301*, seems higher power; First time hrd in 10 years! Not audible since 5/14 due to bad UTE QRN on freq; note from Sam Dellit and Ernie Moore in Bisbane tells of reception 0600 so should penetrate other 1000 miles w/good condx(Padula)
- 4810 SOUTH AFRICA SABC; 0415-0430 usual px, EE ads, birthday greetings, mx and IDs (Kozlowski, Schwartz)

- 4810 VENEZUELA R. Popular; *0955 "Desde Maracaibo" ID. calls, freqs after NA, "Saludos amigos," rooster crowing, etc..(Jones, Overcamp) 0052 SS tlk (Yajko)
- 4810 GALAPAGOS IS LV de Galapagos; 0525 SS rel. annts by M, bright mx, ID 0532 and into NA (Robins)
- 4820 HONDURAS HRVC; 0320-0430 rel. px, ID, "Nightwatch" and sermon from Wheaton, Ill., EE px *0300-0441* (Dunn, McClure, Schwartz, Dubrick, Koziomkowski) Per Hauser on NA DX rpt, HRVC relaying other station's studio-Xmtr link on a freq. near its own- after HRVC goes off the air. ed.
- 4820 GAMBIA R. Gambia; 0654-0715 EE, man chanting to 0659, full ID by M, TC at 0700, then BBC mx(Ravenhorst 5/29)Crossing my fingers this stays on the air, ed.
- 4820 ECUADOR R. Paz y Bien; 0935 SS, ID freqs, Andean mx (Jones)
- 4820 VENEZUELA R. Tricolor; 0906 SS w/LA mx (Jones)
- 4825 (T) USSR Ashkabad; 1125-1135 Mayak HS M w/tlk in RR, Mayak IS, W w/ID, into more tlk by M & W; not //5015; Yakutsk also listed (Lineback)
- 4825 DOM REP. LV de las Fuerzas Armadas; 1002 easy listening mx; veri says 3KW(Jones)
- 4830 GABON LVR; Franceville 0015 in FF, ID by M, mx; WRH lists 2400*; much thanks to Ed Shaw's notch filter for this catch (Courtney)
- 4830 VENEZUELA R. Tachira; *0954 NA, band mx, armt, short vocal, ID & freqs; ancd YVOA, YVOB, YVOA-FM (Jones) 0030-0038 SS mx, ads and IDs, QRM (Courtney, McClure)
- 4832 COSTA RICA R. Capital R. Relej; 0234 on 4/25 ID, TCs and LA mx, exactly same type px, ancr. & ID as 6006; is R. Capital or "Ellas" extinct?(Jones)R. Relej in SS, mx and frequent IDs 0500 (Bishop 5/15) R. Relej IDs, LA/pop mx(Miller 5/31) 0045-1130 ballads and IDs, ads R. Ellas/Relej-beware as one or other may be here(Davenport 5/8) That about sums it up-one or the other; only one rpt from R. Koziomkowski had R.Capital 0320 on 5/10, ed.
- 4832 ECUADOR R. Luz y Vida; now here ex 4826 on late 0600-0900 w/Andean mx(Padula 5/23)
- 4845 MARITANIA Nouakchott; noted 2337 AA mx, 0605 AA chants (Schwartz)
- 4845 PERU R. Chinchaycocha; SS tlk 0600, E (Willis)
- 4865 BRAZIL UNID; M in poss PP w/ID ment "R. Amazonas 0030-0100(Davenport)
- 4865 COLOMBIA LV del Cinaruco; 0900 SS tlk, mx and ID (Tannerwald) Correct name? ed.
- 4870 REP. BENTIN LVR; (T) 0530 FF M ancr w/much mx of a chorus nature& drums(Hardester) *0600 FF tlk, pops, E signal, also in lcl mornings f/in 2220(Padula, Willis) 0544 to 0610 FF tlk, Afro mx (Schwartz)UTE QRM/QRN here now as on 4807 Sao Tome, ed.
- 4875 SOUTH AFRICA SABC; 0329-0335 EE mx abt. S. Africa, ID as R. RSA(Lineback) 0400 usual SABC EE/Afrikaans px, ads and tlk(Schwartz, Thunberg)
- 4875 BOLIVIA La Cruz del Sur; 0210-0212* SS ID by H, then Mw/beautiful EE ID gave address for rpts, heavy QRM (Overcamp)
- 4880 VENEZUELA R. Universo; 0100 SS mx and ID (Tannerwald)
- 4885 COLOMBIA Ondas del Meta; SS at 1020(Willis)
- 4890 SENEGAL RS; 0615 AA chanting, Afro mx, 0630 FF ID(Schwartz)
- 4890 VENEZUELA R. Dif; 0030-0330 IDs, US pop mx, LA mx(Thunberg, Davnport)
- 4890 PAPUA NEW GUINEA NBC; Port Moresby P2K4; 0750 pops w/EE annts by M, ID by same 0800 into tlk/interview by W, (Robins)0925-1040 EE tlk on the growth of sugar cane, natl mx 1100, mx and IDs (Overcamp, Jones, Schwartz)
- 4891v ECUADOR R. Centinela del Sur; mx request px to 0410* w/final ID, NA-"Transmite desde la Rep. del Ecuador"(Robins) f/in 0430, fast SS sports bdst, ex 4750; past 0800 this day(5/22) when on late sked; Port Moresby hadn't appeared at that time (Padula)
- 4895 UNID; Latin stn here, believed a new one but too messy to get ID; usually around 0900 (Willis) Any ideas stateside? ed.
- 4900 BURUNDI R. CORDAC; 0433 vocals, choral mx, Afro rythms (Schwartz)
- 4900 VENEZUELA R. Juventud; *1000 SS, NA, ID and greetings, into rock mx(Jones) 1029 SS wild LA pop mx, ads, ID (Miller)

That's it for a rather slow month. I have just a couple of comments about rpts. First of all, some of the reports I get from Greg Ravenhorst are multiple rpts for one freq, i.e. I get 7 or 8 reports from one reporter for one freq. All that is really necessary is one or two good reports for any frequency. Secondly, details other than just mx, tlk, would be appreciated. Put some imagination into it! For the LAs, try to get some of the actual SS wording even if you don't know SS- I do and will correct the grammar. Thirdly, beware of RR fishing ships; they are not SWBC stns. Lastly, SORRY FOR THE MISSPELLINGS!! The summer meeting of SPAIE(Suburban Philadelphia Area DXers) was most interesting; there are a lot of very interesting DX'ers out there and I wish I could meet them all. How about a Pan DX World Conference-Madison Square Garden, the Superdome????????????

2nd ANNUAL OHIO WEEKEND DX SEMINAR: The Miami Valley DX Club will hold it's yearly DX seminar August 21-22, 1976 at the Imperial House South, Canton, OH. For more information, send SASE to Bob Beck, 1102 Delverne Ave., S.W., Canton, OH 44710.

Log

Report



Section B

•Editor Sec. B: Kent C. Corson
2269 Graham Circle, Dubuque, Iowa 52001

- 4904.5 CHAD RNT; 2200-2300*FF, M tlking, ID, s/off (Tannenwald 5/8)
4905 BRAZIL R. Relogio Federal; 0105 FF, anncmnts, ads and pips on the last three seconds of every minute (Robins)
4905nf ETHIOPIA ETLF; 0255 IS, *0300 EE ID, into singing in lang. Under ute. Brdest to Ethiopia 0300-0325 according to sched (Anderson 5/21)
4907 CAMBODIA Phnom Penh; still s/on at *1100 (Willis)
4910 ECUADOR Emis. Gran Colombia; *1103 SS, NA, "Mr. Sandman" theme, ID, nx items and mx (Jones 4/19)
4910 VENEZUELA R. Carora; 0600-0602* SS, vocals, tlk, ID (Courtney 5/9)
4910 GUINEA Conakry; 2225 FF anncmnts via shortpath (Padula 5/14)
4915 GHANA GBC; 2245 EE, M tlking (Tannenwald 5/21) 0603-0617 EE, nx, cmntry, ID (Schwartz 5/31, Courtney 5/9, Koziomkowski 5/10)
4915 KENYA VOK; 0300 lang, Afr mx, chanting w drums (McClure 5/9)
4920 AUSTRALIA ABC Brisbane; 1114 EE, nx (Miller 6/6)
4920 HONDURAS R. Progreso; 0412 SS, mx, ID (Courtney 5/10)
4923 ECUADOR R. Quito; 1117 SS, ID, TC's, tlk (Jones 4/15)
4925t MANCHURIA Haerbin; 1109 CC(?), M&W tlking (Jones 4/16)
4926 EQ. GUINEA Bata; 0524-0557 SS, Afr mx, tlks (Moritz 5/28, Robins)
4926 COLOMBIA Emisora Meridiano 70; 0000-0017 SS, ID's, TC's (Robins)
4930 DOM. REP. R. Mil; 0252-0558 SS, Latin pops, ID, and more mx, with very few ads (Moritz 5/19, Courtney 5/16, Robins)
4940 IVORY COAST RTVI; 2230-2350 FF/vern, Afr drum mx, tlks (Padula 5/14, Schwartz 5/21)
4945 COLOMBIA R. Colosal; 0938 SS, ID, LA mx (Conover 5/31)
4947t BRAZIL Voz Sao Francisco; 0223-0300* FF, EL vocals, occas anncmnts by M twixt the mx. Possible ID at 0240 by M. Much QRM and too much noise. Thanks to John Tuchscherer for his help on this one (Moritz)
4960 VENEZUELA R. Sucre; 0312 SS, marimba mx, ID, more mx (Courtney 5/10)
4970 VENEZUELA R. Rumbos; 0335 SS, ID's, mx (Schwartz 5/11)
4972.5 CAMEROON R. Yaounde; 2310-0001* FF, ID, lcl mx, on past reg s/off time (Mayer 5/22, Padula 5/22)
4980 VENEZUELA Ecos del Torbes; 0213 SS, ID in EE/SS, mx, ads (McClure)
4980 GHANA GBC; 0620 EE, ID, rpt of soccer matches (Schwartz)
4985 BRAZIL R. Brasil Central; 0700-0905 FF, Brazilian mx, ID's, tlks (Tannenwald 5/26, Jones 5/19, Padula 5/18) (Padula)
4990 NIGERIA Lagos; 2250-2305* EE, nx, ID at 2305 and off with anthem
4996 PERU R. Andina; 0350-0658 SS, mx, tlks, ID's, Andean mx (Robins, Courtney 5/10, Koziomowski 5/11)
5010 PERU R. Eco; 0331-0405, 0703-0712 SS, non-stop instru mx, ID, and screaming and yelling (Moritz 5/10,22)
5015 BRAZIL R. Cultura; 0845 FF, mx, tlks (Tannenwald 5/26)

- 5020 COLOMBIA Ecos del Atrato; *1103 SS, mx, ID, NA, ID, TC's and LA mx (Jones 4/16)
- 5020t NIGER ORTN; 0531 lang, IS, anthem, tlks (McCoy 5/16)
- 5025 BRAZIL R. Borborema; 0326-0330 FF, ID by M, fanfare, another ID, then FF vocals (Moritz 5/10)
- 5025 ECUADOR R. Splendit; 0410 SS, modern LA vocals, annmmts, on apparent late sched (Fadula 5/22)
- 5030 VENEZUELA R. Continente; 0230-0350 SS, mx, ID (McClure, Fadula)
- 5030 DOM. REP. LV del Papagayo; 0620-0630 SS, annmmts, TC's (Fadula)
- 5035 COLOMBIA LV del Caqueta; 0319-0325 SS, EL mx, ID's (Moritz 5/10)
1048 SS, ID, mx (Jones 4/17) (Robins)
- 5038 CENTRAL AFRICAN REP. Bangui; 0458 FF, M with annsmmts, Afr mx
- 5040 VENEZUELA R. Maturin; 0900 SS, tlk by M, ID (Tannenwald 5/21)
- 5040 PERU R. Libertad de Junin; 1037 SS, ID, TC, Andean mx (Jones 4/19)
0355 SS, Fiesta style mx (Fadula 5/22)
- 5041 GUINEA-BISSAU RB; 0625 Vern, Afr mx (Schwartz 5/31)
- 5047 TOGO R. Togo; 2228-2235 FF, nice "lilting" mx coming only from Togo (Earhart 5/8) 0628 FF, cmntry, ID (Schwartz 5/31)
- 5050 VENEZUELA R. Mundial; 0304-0809 SS, LA mx, ID, ads (Moritz 5/8, Courtney 5/9, McClure 5/22)
- 5095 COLOMBIA R. Sutatenza; 0725-0942 SS, ID, tlks, mx. Does not fit WRTVH sched (Earhart 5/9, Conover 5/31)
- 5930 CZECHOSLOVAKIA R. Prague; 0100-0155 EE, sports review, tlk by W, ID (Bozel 5/13, Pollard 5/24, Lavery)
- 5950 USSR Radyostansiya Rodina; 0007 RR, ID by W into mx and RR operatic pgm by M (Robins)
- 5955nf SPAIN RNE; 2202 EE, nx pgm //9505. First noted 5/21 but jamming QRM for Liberty present (Fadula)
- 5955 COSTA RICA R. Casino; 0550-0605* EE, MoR & rock tunes with EE ID's. s/off with NA (Robins, Courtney 5/8)
- 5960 CANADA CBC NS; 0141-0500 EE, cmntry, pops pgm, ID, CW mx (Glazzy, Bozel 5/11, Poppin 5/26, Hardester 6/5)
- 5962 COLOMBIA LV de los Centauros; 0659-1026 SS, LA pops, ads, ID, seems to be 24 hrs (Dubrick 5/8, Jones 5/6, Overcamp, Earhart, Courtney)
- 5965 SWITZERLAND SBC; 0141-0200 EE, IS, ID, TC (Welch 5/14) 0315 FF, ID and nx (Schwartz 5/11)
- 5967 DOM. REP. RTV Dominicana; 0915 SS, pop mx, ID (Conover 5/31)
- 5970 PERU R. El Sol; 0606-1042 SS, Andean mx, ID, ads and jingles (Jones Miller 5/15, Courtney 5/8)
- 5980 PERU R. Panamericana; 0517-0602 SS, pop mx, ads, ID, LA mx (ioppin, Jones 5/6, Courtney 5/8, Bishop 5/14)
- 5980 SOUTH AFRICA RSA; 2200-2240 EE, ID, nx (Koziomkowski, Welch 5/17)
- 5980 LELANGH RL; 0340-0400 AA, HS, songs and annmmts (Fadula 5/9)
- 5987t SULAWESI RRI Manado; 1232 Indo, tlk, ID after chimes (Jones 4/16)
- 5990 ROMANIA R. Bucharest; 0201-0230* EE, NA svc, cmntry, classical mx, ID (Bozel 5/13, Jones 4/21, Mark 5/9)
- 5990 JAPAN R. Japan; 1326 JJ, cmntry (Poppin 5/30)
- 5995 VATICAN Vatican R.; 0100-0115 EE, rel pgm, some US pop mx, ID and into FF at 0115 (Earhart 5/9, Pollard, Lavery, Mark 5/9, Bozel 5/16)
- 5995 AUSTRALIA ABC Lyndhorst; 0730-0930 EE, folk mx, nx (Dubrick 5/8, Earhart 5/9, Dunn 6/2)
- 5995 MALI R. Mali; *0600 FF, s/on (Willis)
- 6000 HUNGARY R. Budapest; 0300 EE, nx (Jones 4/25)
- 6000 COLOMBIA R. Super de Medellin; 0540-0907 SS, TC, ads, ID, LA mx, apparently 24 hrs (Fadula, Jones, Lausevich)
- 6006 COSTA RICA R. Reloj; 0730-0840 SS, LA pops, TC, vocals (Earhart, Dubrick 6/4)
- 6010 E. GERMANY RBI; 0000-0145 SS, ID, nx by W to SA (Yajko, Thunberg)
- 6010 VENEZUELA R. Los Andes; *1100 SS, NA, ID, calls, LA mx (Jones 5/2)
- 6010 UKINAWA VOA; *1059 EE, ID at s/on (Jones 4/16)
- 6010 ITALY RAI; 0320 II, nx, ID (Schwartz 5/11)
- 6025 PORTUGAL RF; 0235-0300 EE, cmntry, nx (Mark) 0425-0435 IF/EE, mx, s/off with NA, IS & s/on in EE with ID, nx (Lineback 5/20)
- 6025 PARAGUAY R. Nacional; 1020 SS, ID, noticias (Jones 6/3)
- 6030 W. GERMANY Sddeutscher; 2212-2220 GG, tlk by M, mx (Mayer 5/16)
- 6030 CANADA CFVF; 2130 EE, ID (Bishop 5/5) 0445 EE, nx (J. Davis 5/14)
- 6035 BRAZIL R. Globo; 0930 FF, nx, mx (Jones 6/3)
- 6035 BOLIVIA R. Panamericana; 1015-1035 SS, strange military type march mx, vocals, annmmts by M, into more mx, M&W talking (Moritz 6/1)

- 6035 LIBERIA VCA Monrovia; 0314 EE, nx pop mx (McClure 5/10)
 6035 AUSTRALIA RA Carnarvon; noted with tests, s/on around 0030, infreq
 ID annmnts on tape, to 0900+ continuous. Is 250 'wer, I believe,
 possibly for testing antenna facilities, not running to listed
 sched (Fadula 5/10)
- 6040 CANADA RCI; 2200-2225 EE, IS, cmntry (Welch 5/24)
 6044 SWEDEN R. Sweden; 0250 EE, SCDKers (Schwartz 4/21)
 6045 SWITZERLAND SBC; 0452 EE, ID, polkas (Schwartz 4/20) 5/22
 6045 PERU R. Santa Rosa; 0300-0345 SS, LA mx, ads, Andean mx (Fadula
 6055.5 RWANDA Rdiff Nationale Rwandaise; 0405 Kinarwanda nx by M (Robins)
 6060 ARGENTINA R. Nacional; 0842-1029 SS, ID, discussion (Earhart, Jones)
 6065 SPAIN RNE; 0227-0330* EE, mx, DX pgm (Dunn, Thunberg, Jones)
 6065 COLOMBIA R. Super; 0623 SS, ID, LA mx (Courtney 5/8)
 6070 VENEZUELA R. San Sebastian; 1054 SS, ID, FC, LA mx (Jones 4/24)
 6082 PERU R. Nacional; 0954-1128 SS, Andean mx, ID's (Jones, (P)Miller)
 6085 BRAZIL R. Journal do Comercio; 0354-0025 FF, soccer match, ads,
 mx (Robins, Yajko 5/29)
- 6085 CANADA RCI; 0100-0530 EE, nx, ID (Glazzy, Schwartz 5/13)
 6090 LUXEMBOURG RL; 0000-0105 EE, pop mx show (8 reporters)
 6090 ARGENTINA R. Beltrano; 0110 SS, ID (Bishop 5/9)
 6100 ITALY DR; 0128-0150 EE, IS, ID, nx (Bishop, Welch, Mark)
 6105 MEXICO XECS; 1228 SS, mx, ID's, ads, hard rock (Jones 5/2)
 6105nf VATICAN Vatican R.; 0105-0115 EE, ID, IS (Conover 5/23)
 6105 NEW ZEALAND RNE; 1030 EE, apparently tho didn't catch ID. Supposed
 to be on carrying out nvc relays. Comedy pgm to a reading and by
 1100 recheck covered by Mexican, not found on 25 or 31 m (Jauser 6/7)
- 6115 COLOMBIA LV del Llano; *0927-1000 SS, AA, ID, mx (Jones 6/4, Conover)
 6115 CONGO RTVO; 0228-0235 FF, Afr tunes, annmnts (Moritz 5/17)
 6120 ARGENTINA R. El Mundo; 0700-0720 SS/EE, mx, ID (Lausevich 5/11)
 6120nf SWEDEN RS; 2305 EE nx to NA (Fadula 5/14)
 6121 COLOMBIA R. Super de Cali; 0410-0730 SS, mx, ID (Robins, Lausevich)
 6123 CF, Ray DRB - R. La Cronica is doubtful if no ID was heard; more
 likely was R. Super de Cali at 0635 (Behr)
 6125 HONDURAS R. Suyana; 0033-0134 SS, ads, mx, ID (Moritz, Jones, Miller)
 6130 GHANA GBC; 2125-2130 EE, rel pgm, ID, nx (Dunn 5/30)
 6135 TAHITI R. Tahiti; 0410-0730* FF/Tahitian, island mx, ID's, annmnts
 (Robins, Poppon 5/29, Jones 5/4, McCoy 5/30)
 6135 CHILE R. Universidad de Concepcion; 1059 EE, IS, ID by M, semi-cl
 mx (Jones 5/31)
- 6140 CYPRUS BBC; 0430 lang, ID (Conover 5/15)
 6150 COLOMBIA LV de Huila; 0442-0557 SS, LA nx, ID (Courtney, Jones 5/6)
 6155 AUSTRIA GRP; 0130-0200 EE, ltrrs from listener's (Lillard 5/16)
 6155 JAPAN PEN; 1004 EE, nx & wx, EL mx (Jones 5/17)
 6160 COLOMBIA En. Nueva Granada; 0628-0812 SS, EL mx, ID, comedy show
 (Dubrick, Conover, Courtney)
- 6165 NETH. ANTILLES RR Bonaire; 0200-0535 EE, DX Jukebox, ID, nx, mx,
 cmntry (Welch, Glazzy, Koenig, Poppin, Lillard, Schwartz)
 6170 MORCCO RTM Tanger; 2201 AA, pips, ID by M, nx (Robins)
 6175 GR. BRITAIN SBC; 0330-0400 EE, nx (Glazzy 4/14)
 6180nf MORCCO RTM; 0015-0030+ with AA, ex 0170 //9615 (Fadula 5/23)
 6185 ETHIOPIA R. Ethiopia; 0333-0401 lang, AA type mx, possible nx, ID,
 more AA mx (Moritz 5/27, Mayer)
 6185 A. GERMANY DW; 0540 EE, cmntry, tlk on chess (Thunberg 6/8)
 6195 NIGERIA NBC Sokoto; 0535 vern, annmnts by M, Afr mx (Robins)
 6200 ALBANIA R. Tirana; 0127-0155 EE, mx, nx, tlks (Welch, Yajko) 0334-
 0350* EE, cmntry, nx, tx (Earhart, Soltman)

Tight squeeze this month, but managed to get most everything in. I can
 fill 4 pages next month so let's be sending in those reports.

73's

Kurt

SHORTWAVE IN THE CLASS ROOM: Bernie Dodge, 2111 E. Genesee St., Apt. 4,
 Syracuse, NY 13210 is preparing an article for publication about education-
 al applications of SW broadcasts used in the classroom to teach languages.
 It would be appreciated if any teachers who have used this method would get
 in touch.

SECTION "C"

Log

Ed. Sec-C: Tom Gavaras
16920 17th Ave., N. Wayzata, MN 55391
6201-11700

Report

DEADLINE: 12TH OF MONTH



REMEMBER! ALL REPORTS SHOULD BE SENT TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045!

- 6209.8v ITALY Gamma Radio; Tentative; 0225-0245 Italian??. Noted w/almost constant classical mx, no Id's, few words spoken, possibly in II (Ravenhorst 5/20).
- 6240a UNIDENTIFIED; 0936. Continuous pop mx w/no tlk. Must be same outlaw I previously heard on 6262a. Utility QRM on high side. (Jones 4/13).
- 6348 KOREA (SOUTH) V. of Hope; 1030 YL w/tlk in Lang. Sing-song mx (Zilmer 5/23).
- 6540 CHINA R. Peking; 1045 tlk in Lang. (Zilmer 5/23).
- 7050t EGYPT R. Cairo-V. of Arabs; 0430-0435 AA w/tlk & mx. CW QRM! (Earhart 5/15).
- 7075t EGYPT R. Cairo; Sounds like reciting Koran. Fits HS sked. Didn't hear ID(Earhart).
- 7105 ASCENSION ISLANDS BBC RELAY; 0515 FF w/EE language lessons (Thunberg 6/8).
- 7105 SPAIN RTVE; 2115-2134* SS pgn for Europe. Id, brief segment in FF. Announced 31, 41 & 49 meter-bands (Overcamp 6/4).
- 7110 MONTE CARLO TWR; 0710 EE w/Focus pgn & ID (Koziomkowski 5/27).
- 7118nf INDONESIA RRI-Jayapura 0100 hrd for a few days here (ex 7163)//6070. Good level! Not the clandestine. Not there as on the 6/4.(It must have moved back to 7163) (Willis-Australia).
- 7120 ALBANIA R. Tirana; 0320 EE w/Id, cmntry on Agriculture, Id, mx (Cain 6/7).
- 7125 GUINEA Rdf Nationale; 0041 FF w/mx & Id (Koziomkowski 5/25).
- 7145 POLAND Polish R.; 0300 EE cmntry w/Man & Woman. Readable over ARO QRM(Thunberg 6/8)
- 7150 USSR R. Moscow; 0100 EE Life in the Soviet Union, comments US vs USSR airplanes
- 7164 INDONESIA RRI-Jayapura; Indo at 0900. Good level (Willis-Australia). (Koenig)
- 7165 ETHIOPIA ETLF; 0329 Swahili w/Drum IS, EE Id, Swahili pgn. 0400 EE Id, nx, etc. (Welch 5/31, Schwartz 5/31, Rojewski 5/22) Koziomkowski
- 7170 NEW CALEDONIA R. Noumea; 0530-0955 FF Id, mx, etc(Bishop,Conover,Rojewski,Earhart,
- 7190t YEMEN DYBS; 0306-0320 AA mx, hrd no announcement, but may have missed it because of poor reception (Cain 6/4) 1300 AA still here. Good level (Willis-Australia).
- 7190 BENIN Rdf Benin; *0600 FF. Drums, anthem, Id, chanting (Conover 5/30, Willis-Aust.)
- 7195 LIBERIA VOA RELAY; 0428 EE w/News & Id (Koziomkowski 5/30).
- 7200 USSR Yakutsk Radio; 0649-0716 RR. Mx, mentioned Kamchatra, Vladivostok, Magadan. Gave Moscow time. Announced Radio Fe Ocean pgn (Poppin 4/23).
- 7200 GREAT BRITAIN VOA RELAY; 0300-0315 EE nx & Breakfast Show (Welch 5/16).
- 7205 JAPAN NHK; KK 0859 IS then fade-out till 0930 w/mx & tlk. EE Id s/off 20 KW!(Cain).
- 7205 GREECE VOA RELAY; (Rhodes) 2148 EE ID (Koziomkowski 5/9).
- 7210 GERMANY (WEST) DW; *0030 Bengali to Asia. New Service! (Padula-Australia 5/16).
- 7215 IVORY COAST RTVI; 0615 FF announcements by Man, African hilife mx. Very Good (Robins). 2145 FF mx & ID (Koziomkowski 5/9)
- 7215 HUNGARY R. Budapest; *0200 EE nx // 9833. (Aston 6/4) 0316 EE cmntry,DXpgm(Conover)
- 7225 RWANDA DW RELAY; 0430-0515* EE Id, nx, cmntry, pop mx(Hancock 5/13, Thunberg 5/28).
- 7225 PHILIPPINES FEBC; 1214 Lang. Id, mx "Sound of Music", etc. Chimes at 1245(Poppin).
- 7235 NIGERIA NBC-Enugu; 0600 EE nx. Almost positive this is Nigeria.No Id tho(Willis).
- 7260 GERMANY EAST RBI; 2140-2145 EE cmntry about Friendship brigades & a letter answering pgn (Dunn 6/6).
- 7265 GERMANY WEST Sudwestfunk; 0307-0430+ mx, Id, nx,wx, etc.(Schwartz, Robins).
- 7265 MOROCCO VOA RELAY; 0230 EE ID, s/off (Koziomkowski 5/10).
- 7270 ASCENSION ISLAND BBC RELAY; 0544 EE "Post Mark Africa", "The World Today"(Poppin,
- 7270 POLAND Polish R.; 0207 EE nx//11840, 15120 (Zilmer 5/19). Conover
- 7270 USSR UNID; 1318 RR w/muffled guitar, folk songs, chorus, Ukrainian song (Poppin5/30)
- 7275 NIGERIA VON; *0545-0735* EE W/IS, Id, nx(Conover,Hancock,Cain,Robins,George,Schwartz
- 7275 TUNISIA RTVT; 2315-2335* AA Id, chant, NA(Koziomkowski,Courtney). Koziomkowski)
- 7265 GERMANY WEST DW; *0415 Bulgarian w/IS,Id, nx w/man, cmntry (Thunberg 5/28).

- 7295nf PORTUGAL DW RELAY; Bulgarian 2132 w/nx (ex 7285) & heavily jammed (Padula-Aus. 5/2)
- 7300 ALBANIA R. Tirana; 0334 EE tkl about S. Vietnam by Woman // 6200 (Cain 6/7).
- 7345 CZECHOSLOVAKIA R. Prague; 0100-0155 EE nx, cmntry, May 1 celebration pgm w/all mx (Dubrick 5/28, Koenig 5/1). 0300-0330 EE ID, nx, mx (Glazzy 6/2, Woltman 6/1). 0408 SS ID, nx, classical mx, etc. (Thunberg 5/28, Schwartz).
- 7373 VIETNAM VOV; 1100 tkl in Lang // 10060 (Zilmer 5/17).
- 7412 ISREAL IBA; 0500-0515* EE Id, nx on Egypt & Syria (Schwartz).
- 7470 VIETNAM VOV; 1050 tkl in Lang // 7417, 10226 (Zilmer 5/23).
- 7512 VIETNAM VOV; 1030 VV tkl (Zilmer 5/17).
- 9009nf ISREAL IBA HS Relay; *0400 Hebrew. (ex 9435) good level via longpath (Padula 5/16).
- 9020 CHINA R. Beijing; 1428 CC w/Rev. mx, group singing, etc. (Poppin 5/30).
- 9030 CHINA R. Beijing; 0035 CC w/cmntry. Poor reception (Poppin 5/20).
- 9038nf IRAN VOI; 0300 Farsi//9022. Good level (Willis-Australia).
- 9080 CHINA R. Beijing; 0849-0901 CC ID, cmntry, march mx until 0859 (Poppin 5/16).
- 9360 SPAIN RTVE; 0023-0031 SS ID, cmntry. Harp Arpeggio between nx bulletins (Poppin).
- 9380 CHINA R. Peking; 0932-0957 EE nx, cmntry, mx to Australia & N.Z. Strong (Cain 5/22)
- 9420 KOREA NORTH R. Pyongyang; 0901 SS ID, cmntry (Poppin 5/16). 1000-1048* EE nx, cmntry // 11535 (Zilmer 5/17). 1406 RR ID, cmntry, latest bulletins, etc (Poppin 5/30)
- 9435nf ISREAL IBA; 2000-2030, 2230-2300 EE nx to Europe & N.A. respectively (ex 7412.5) (Padula-Australia 5/6, Zilmer 5/16). 0510 EE to E.N.America (ex 5900) (Padula-Aus).
- 9440 CHINA R. Peking; *1100-1128* tkl in lang. (Zilmer 5/23).
- 9470 USSR; 0357 RR. Gave "Moskovskoye Vremya 7 Chasov", zither or guitar w/orch (Poppin).
- 9475 EGYPT R. Cairo; *0200-0330* EE Id, nx, letterbox, tkl on pyramids, mx, etc. (Bogel, Welch, Sheehan, Poppin, Earhart, Thunberg, Bogel, Woltman, Glazzy).
- 9480 ALBANIA R. Tirana; EE 2045 w/cmntry (Sheehan 5/4).
- 9500 USSR R. Magadan; 0519 language (Like Korean), mentioned Magadan, cmntry, etc. (Poppin 5/22). 0545 RR mentioned Magadan, spoke of work brigades, levels of completion (Poppin 5/17).
- 9500 ALBANIA R. Tirana; *0500 FF w/IS, Id, nx, cmntry (Thunberg 6/8).
- 9500 GERMANY EAST RFI; *2230 GG service (Beaudoin 5/21).
- 9505 SPAIN VOS; 2100-2300 EE // 5995. Lcl industry cmntry (Zilmer, Beaudoin, Padula-Aust)
- 9505 JAPAN NHK; 0555 EE/JJ. High pitch noise (carrier) into music box & pgm (Poppin 5/28)
- 9505 PERU R. America; 0948 SS w/L. America pop mx (Jones 5/8).
- 9510nf ROMANIA R. Bucharest; 1930 EE w/nx (Beaudoin 5/5) 2050 SS to Europe (Padula 4/5)
- 9510 KOREA NORTH R. Pyongyang; 1100 lang tkl w/heavy VOA QRM//11535 (Zilmer 5/17).
- 9510 VENEZUELA R. Barquisimeto; 2000-2135* SS Id & mx (Dubrick 5/11, Cain 5/13).
- 9515 TURKEY VOT; 2208-0030* EE nx, etc (Cain, Macris, Mark, Beaudoin, Schwartz, Koenig, Welch,
- 9515 MEXICO LV de America Latina; 1118 SS ID (as XEW), tkl (Jones 4/24), Schwartz, Dunn)
- 9515 AUSTRALIA RA; 1100-1130 FE Id, nx, mx & Focus//9580 (Woltman, Jones, Koenig, Zilmer).
- 9520 PAPUA NEW GUINEA NBC-Port Moresby; *0550 test tone to 0558 when "Spanish Harlem" theme, 0600 EE Ids TC into mx, F (Robins). 0630 EE ID, little tkl, mx (Poppin 5/27).
- 9520nf GERMANY WEST DW; 0100 Bengali new service, 20 (ex 9545//6065, 7210, 7285) (Padula)
- 9525 INDIA AIR; 2200 EE nx, cmntry, etc (Zilmer 5/15, Mark 5/25).
- 9525 JAPAN NHK; *1200 Burmese tkl to S.E.Asia (Zilmer 5/29).
- 9529 ETHIOPIA ETLF; 0258+ Id in EE & lang, IS. R. Moscow & RTVE QRM (Mark 5/11).
- 9530 USSR R. Moscow; 0138-0205 EE tkl on bombings of USSR places in US (Beaudoin, Cain).
- 9535 SWITZERLAND SBC; 2110-2125 EE cmntry on the Law of Sea Conference (Sheehan 5/17).
- 9540 POLAND Polish R.; *1830-1900* EE w/IS, Id, nx, mx request pgm (Mark 5/25, Dunn 5/16).
- 9540 CZECHOSLOVAKIA R. Prague; 0330-0350 EE economic report, tkl on health (Sheehan 5/13)
- 9540 AUSTRALIA RA; 1915-1930 EE w/pop mx. Announced//11725, 9580, 6045, 5975(?) (Overcamp).
- 9545 BRAZIL R. Universo; 0720 US & Brazilian pops (Summer of 42) w/brief PP announcements by M. Sounds like an automated operation a la FM. F-G w/fading (Robins). 2249-2324 Rapid PP sports events. Under DW PP service (Moritz 5/23).
- 9545 UNID; 2005-2101 AA w/several references to Arabeh (Conover 5/22) Syria?
- 9550nf FINLAND R. Finland; 0300-0330 EE w/IS & nx (ex 9720) (Padula, Zilmer, Earhart).
- 9555nf AUSTRIA ORU; 2020 GG for Europe w/waltz mx (ex 9720) (Padula-Australia 5/4)
- 9560nf FRANCE RFI; *0600 FF // 9535 (Willis-Australia)
- 9563 PERU R. Nacional de Peru; 0430 SS. Good level (Willis-Australia).
- 9566 CHILE R. Nacional de Chile; 0210 EE w/nx, Id, freq. (Rojewski 5/24).
- 9570 ROMANIA R. Bucharest; *0130-0230 EE nx, Radio Newsreel, etc. (Davis, Ravenhorst, Schwartz, Yajko, Hancock). 0400-0425 EE nx, mx. VOA QRM (Earhart 5/16).
- 9575 ITALY RAI; *0100-0120* EE w/IS, Id, nx (Cain, Welch, Mark, Bogel, Koenig).
- 9585 SOUTH AFRICA RSA; *2230-2320* EE Id, etc (Poppin, Woltman, Jones, Glazzy, Earhart, Murphy)
- 9585 SOMALIA R. Mogadishu; 1855-2101 AA nx, mx, Id by M as: "Halkani wa R. Mogadishu.." etc. (Dunn 5/16, Robins, Beaudoin 5/15, Cress 5/15, Cain 5/24).
- 9585 JAPAN NHK; 1022-1100+ EE/JJ ID, nx, DX pgm (Zilmer 5/29, Earhart 5/9, Jones 5/17).
- 9585 NEW ZEALAND RNZ; 0500-0530 EE w/mx. (Nebron 6/10). Welcome back RNZ!
- 9590 CHILE R. Balmaceda; SS TCS, Commercials, Pop mx 0919 (Jones 5/19).
- 9590 SWAZILAND TWR; 0607 EE w/Id & choir mx. Good signal (Bishop 5/20). Zilmer)
- 9595v BRAZIL R. Cultura da Bahia; 2330-0030+ PF w/tml, mx, electronic tones (Lausevich,

- 9595 JAPAN NSB; 1045-1100 EE/JJ lang. lesson//6055(Zilmer)1605-1617*EE/JJ tlk(Bishop).
 9605 VATICAN STATE VATICAN R.; 0114 EE nx, Id (Koziomkowski 5/25).
 9605nf SWEDEN R. Sweden EE w/tlks about Sweden (ex 9535) 2050 (Padula-Australia 5/5).
 9610 AUSTRALIA ABC; 1200 EE Id, time pips (Jones 5/2)
 9610 USSR R. Moscow; 2100-2230 EE to Britain; 2330-0300 SS to Cuba/CA (Legge).
 9610 USSR R. Kiev; *0300-0330* EE w/nx, Ukrainian Panorama, DW QRM (Mark 5/25, Legge).
 9615 MOROCCO RTVM; 2149 AA mx & vocals by Woman. Het. Fair signal (Courtney 5/16).
 9615nf PORTUGAL DW RELAY; 0435 Bulgarian, RR 0445 (ex 6010) (Padula-Australia 5/2).
 9620 GERMANY EAST RBI; 0150-0210* SS tlk, Id (Yajko 5/18, Willis-Australia).
 9620nf GERMANY WEST DW; GG for Australia 2300 (ex 9535). xed Saigon co-channel(Padula 5/8
 9620 YUGOSLAVIA R. Belgrade;*2200-2215* EE ID,etc(Koziomkowski,Beaudoin,Yajko,Earhart,
 9621.2 VIETNAM SOUTH; Saigon 1330 VV mx & tlk; good (Behr 5/5). Welch,Mark)
 9623nf ROMANIA R. Bucharest; 1500 EE tlk on Enesco. Excellent (Willis-Australia).
 9625 CANADA CBC N. Service; 1050 w/wx forecasts, Canadian pops, EE anncs, extreme QRM
 From RCI EE for Australia/NZ co-channel. Both services about equal level,represents
 poor freq. coordination! N. Svce (to N.Canada) presents a potent sig. here(Padula)
 9625 EGYPT R. Cairo; 0200-0205 AA chant, tlk & mx over RCI (Lineback 6/2).
 9630 SPAIN RNE; 0134 SS Id, cmtry (Poppin 5/28). 0418 SS ID, cmtry (Poppin 5/20).
 9635nf PORTUGAL R. Portugal; *2045 w/PP (ex 15315); QRM R. Libertade via RTE-Sines co-
 channel (that sta sked: 2000-2100 also in PP) & from BBC Eur-Svce RR 2000-2045,
 Czech 2045-2100. A big mess (Padula). 2330 SS to 0002* one day 9633//11840 (Behr).
 9635 URID; 0700-0720 EE Caught part of ID "The Voice of" at 0700, then "A Mighty
 Fortress is our God" played. Local static was horrendous! Who?? (Ravenhorst 5/23).
 9640 Cf May LR; Report of Venezuela should be OAS, Greenville in SS at 0020 (Behr).
 9640 KOREA SOUTH R. Korea; 0814* EE tlk (Poppin 5/16). 0926 KK/EE IS, ID by M&W(Jones).
 9640 URID; 0415-0425 AA w/mx, tlk, no Id heard. Fair signal (Mayer 5/29).
 9645 NORWAY R. Norway; *2358-0030* EE w/IS, nx//11860, 15175 (announced)(Conover,Mark)
 0200-0228 EE nx (Pollard,Earhart). 0317-0430 EE Id, nx,mx(Robins,Lavery,Glazzy).
 9645 BRAZIL R. Banderantes; 2055 PP tlk by M. Fair level, long echo anncs & PP Id, TC,
 PP pops to f/out 2110 via short path over Antarctica. First time heard a 31 mb
 Brazilian vis this mode/time for some years! (Padula-Australia 5/4).
 9645 COSTA RICA TIFC; 0140-0200 w/religious pgm (Bishop 5/6).
 9650nf PORTUGAL DW RELAY; Czech nx 0535 (ex 6010) into Polish 0600. Jammed(Padula-Aus 5/2
 9655 HUNGARY R. Budapest; 2150-2155 EE Id & frequency list (Dunn 5/9).
 9660 VENEZUELA R. Rumbos; *0858 SS w/NA, Martial mx, Id, Calls, freqs, etc(Jones 5/11).
 9665 MALAYSIA R. Malaysia; 1535 EE nx, weather, Id (Rojewski 5/5).
 9670nf JAPAN NHK; 1000 EE to Australia (ex 15235), severe China QRM (Padula-Australia 5/4)
 9675 POLAND Polish R.; *0159-0230* EE NA svc(Yajko,Mark).0300EE IS,Id,etc(Zilmer,Robins)
 9675 PERU R. del Pacifico; 1150-1215 Peruvian mx & Id. Poor (Lausevich 5/31).
 9677 CHINA R. Peking; 1555 "International" to OC, 1600 EIR & "Govorit Peking" by W into
 RR pgm by M&W. P-Fair. Seemingly not jammed,which seems unlikely (Robins).
 9680nf CANADA RCI;0638 EE to W. Europe (ex 9655) (Padula-Australia 5/16).
 9680 AUSTRALIA VLR9; 0726 EE Id, mx "Welcome Back Once More" by Miles Bros (Poppin 5/16)
 9682 COLUMBIA R. Nac.; 1030-1045 EE/SS lang lessons(Zilmer) 2244-2244 SS mx,Id(Cain).
 9685 USSR R. Vilnius; 0050 EE w/Book review (Murphy 5/23).
 9690 ROMANIA R. Bucharest; 2100-2127* EE nx, cmtry, etc.(Mark, Zilmer). 0200-0230 EE
 w/cmtry on Detente (Koenig). 0410-0425 EE w/features (Dubrick 5/18).
 9695 BRAZIL R. Rio Mar; 1202 PP Id, freqs, TC (with echo effect) into rel. pgm(Jones).
 9695 SWEDEN R. Sweden; 2300-2330 EE nx to N. America (Zilmer). 0210 Swedish,new service
 (Padula). *0230-0300* EE nx, SCDX, etc (Zilmer, Mark, Nebron, Macris, Conover).
 9697 CHINA R. Peking; 1515 RR tlk by W into CC-like orch mx. P w/polar flutter & jammer.
 9700 BULGARIA R. Sofia 0030-0100* EE nx, Id(Sheehan,Mark,Cain,Hancock,Welch) (Robins)
 0400-0430 EE nx,cmtry(Dubrick,Pollard,Lavery). 2130-2155 EE nx,cmtry(Koenig 5/25).
 9705 INDIA AIR; 1135-1140* EE. Lang to 1135 then 5 min. of EE nx round-up 1140*(Zilmer)
 9705 MEXICO R. Mexico; 0035-0330* SS mx, tlk, Id//15385 (Macris, Bishop, Willis-Austr.).
 9705 BRAZIL R. Ipanema; (new name for R.Maua)0030 PP sports to 0130. Clear when XE off!
 9710nf USSR Mayak; (Petropavlovsk7) *1700 RR//9600. Both Good (Behr). (Behr 6/3).
 9715 NETHERLAND ANTILLES R. Nederland; R.N. has, courteously, been keeping its carrier
 dead prior to 0500, instead of running its carillons, in deference to WYFR which
 uses the freq.right up to 0500. However on 5/11 RN was running its IS as early as
 0457, over WYFR; an error or a change in policy toward WYFR? (Hauser).
 9725 SWITZERLAND SBC; *0145-0215* EE IS, Id, nx, Dateline. Announced: 5965,6135,9725,
 11715 (Cress,Mark). 0430-0500 EE Dateline pgm (George,Glazzy,Aston).
 9725 BELGIUM BRTH; EE new IS, Id, Nx 0015-0045 (Earhart 5/18, Conover 5/18, Zilmer 5/18).
 9730 BELGIUM BRTH; EE "Brussels Calling" 0015-0045 (Macris 5/19, Cain 5/25, Mark 5/13,
 Welch 5/17). Well??
 9730 GERMANY EAST RBI; 0116-0145 EE nx, cmtry on education of blind people(Ravenhorst,
 Sheehan). 0235-0315* EE nx, cmtry. DW-SBC QRM(Mark,Earhart)1830 EE nx(Beaudoin).
 9730 SAUDI ARABIA BSKSA; 2203 AA w/mx, vocals. Poor. (Courtney 5/18)

- 9735 GERMANY WEST DW; 0045 GG Id, pop mx(Conover) 0505 GG tlk(Aston) 2200+ GG ID(Bishop)
- 9739v ALGERIA RTVA; 2330 AA pgm, past 0200; varies from 9718 (Behr 5/16).
- 9740 CZECHOSLOVAKIA R. Prague; *0100-0155* EE pgm (Lavery).
- 9745 BULGARIA R. Sofia; 0430-0500 SS to LA // 9700(Behr 5/26, Legge). 2330-0430 relay R. Moscow SS to Cuba/CA. Also carries 2230-2300 R. Vilnius EE (Legge).
- 9745 IRAQ R. Baghdad; 1955-2015 EE w/AA & Western mx. Poor modulation (Robins). 2030 GG Id, nx (Schwartz 5/30).
- 9750 CHILE R. Minería; 1100 SS w/IS, ID, LA POP mx (Jones 5/8).
- 9755 PORTUGAL R. Portugal; 2220-2231* EE Female tlk, orch. mx, Id, mx IS(Earhart 5/19).
- 9760 USSR R. Moscow; (via Tbilisi) 2330-0200 SS to Cuba // 9745. Under Athens (Legge).
- 9760 GREECE VOG; 2357-0250 w/Greece, EE & FF pgm. (Cress 5/15, Dunn 6/1, Miller 6/3, Schwartz 5/22, Conover 5/26, Macris 5/12, Welch 5/24, Mark 5/9).
- 9760 HAITI LVEH; 1230 EE religious pgm (Jones 4/14). 2010-2035 SS mx&relig.(Dubrick).
- 9770 AUSTRALIA RA; 1010 EE nx, Id, mx (Dunn 5/18). 1350 EE w/letter box pgm(Poppin 5/30)
- 9770 AUSTRIA ORU; EE Id, mailbag 2300-0440 (Macris 5/18, Koinig 5/30, Mark 5/9, Welch 5/16, Gain 5/26, Thunberg 6/2, Hancock 5/19, Ravenhorst 5/18, Dubrick, Nebron, Earhart).
- 9775 USSR R. Moscow; (Michurinsk) 2200-0400 PP/SS to SA // 9810 (Legge). (Brookwell)
- 9780 of June LR-Vlad. last month should be Petropavlovsk w/Pac Ocean px (from Vlad.)
- 9780 YEMEN R. Sanaa; *0300-0405 AA NA, chant tlk(Cress).1400-1600 AA//7235 (Willis)
- 9780mf PAKISTAN R. Pakistan; World Service to United Kingdom, national mx 2025, Urdu Id 2027 (ex 9465) (Padula 5/4) 2100 EE nx & mx to 2146* poor. Sanaa QRM (Behr).
- 9785 USSR Radio S. Rodina; 0200 RR, 0300 Mayak//9800(Behr)2200-0300 RR//9800 (Legge).
- 9790 ALBANIA R. Tirana; 0330+ ID, nx-cmtry in lang. music at 0340 (Poppin 5/17).
- 9795 USSR R. Moscow; 2200-0300 PP/SS to S. America (Serpukhov) (Legge).
- 9795 USSR Mayak; 0714+ RR w/mx, excellent male vocalist, etc. (Poppin 5/11).
- 9800mf USSR Radio Sta. Rodina; *0200//9785 (Willis-Australia).
- 9800 USSR Mayak 0553 RR "We present opera-ballot", Moscow time "9 Chasov"(Poppon 5/17).
- 9820 KOREA NORTH R. Pyongyang; 0342+ JJ mx, good YL vocalist, Id (Poppin 5/2). 0605-0743 EE Id, mx, YL commentary, etc. (Poppin 5/1, Brookwell 4/21).
- 9833 HUNGARY R. Budapest; 0110 SS Id, mx, cmtry (Poppin) 0300+ EE, etc(Poppin, Dubrick).
- 9850 EGYPT R. Cairo; 0330 AA male announcer w/mx, cmtry (Leffler).
- 9900 CHINA R. Peking; 1700 CC M&W tlk, no mx, IS (Brookwell 4/15).
- 9912 INDIA AIR; 1810 AA tlk, mx(Dunn 5/9, Beauoin 5/15). 2050-2230 EE nx, Id, tlk, etc. (Yajko 5/29, Courtney 5/11, Zilmer 6/6, Ravenhorst 4/24).
- 9940 CHINA R. Peking; 0100-0130 EE nx, mx (Pollard) 1845 FF Id, tlk, no mx (Brookwell).
- 9965 CHINA R. Peking 0011-0035 PP cmtry, Id (Poppin 4/20).
- 10000 ARGENTINA LOL; 2350 SS Id, time beeps (McLaughlin 5/5).
- 10060 VIETNAM VOV; 1045 Lang. tlk, local mx, etc//7373, 10226 (Zilmer 5/17).
- 10226 VIETNAM VOV; 1100 tlk in lang // 7417, 7470 (Zilmer 5/17).
- 10110.3v PALESTINE R. Espana Ind.; 2135-2150 SS tlk, opera. Jammer-Buzz Beep(Courtney5/8)
- 11505 CHINA R. Peking; 0515 CC M&W tlk, no mx, pips. This one a "toughie"(Brookwell5/24)
- 11535 KOREA NORTH R. Pyongyang; 1000-1049* EE nx(Zilmer, Dunn). 2345 EE cmtry(Poppin).
- 11600 CHINA Radio Peking; 0400 w/RR Soap Opera behind Nikolayevsk feeder(Brookwell 5/20)
- 11600 USSR Nikolayevsk USB Feeder; May 14, 17, 18, 20, 21 pgm varies. Hrd Ises Pac. Ocean, Mayak, R. Moscow & 2 UNIDS 0240-0900. Peking QRM. Silent since 21st(Brookwell).
- 11602.5 ISREAL IBA; 2100-2305* Hebrew HS pgm(Behr, Zilmer, Schwartz, Cress, Padula-Australia).
- 11620 INDIA AIR; 2047 EE nx (Yajko) 2200 EE nx, cmtry (Zilmer 6/6).
- 11625 ISREAL IBA; 2200 FF, 2230 EE nx//9435, 9815, 12045, 15540. (Robins, Aston 5/17, Padula-Australia 5/14, Zilmer 5/16, Behr 5/9, Courtney 5/4).
- 11630 EGYPT R. Cairo; 1600 AA cmtry (Schwartz 4/20)
- 11645 ISREAL IBA; 2000 EE Id, nx, DX pgm, etc (Schwartz 5/8, Dunn 5/16, Murphy 5/20). 2230-2300 EE nx, DX Pgm (Koziomkowski 5/25, Zilmer 5/16).
- 11660 CHINA R. Peking; 1630 CC w/tlk & no mx. Good IS (Brookwell 5/20).
- 11672 PAKISTAN R. Pakistan; 1947-2100 Urdu mx, Id, tlk; 2100-2146* EE Id, etc//9780. (Dunn 5/9, Padula-Aust. 5/4, Mayer 5/22, Behr, Robins, Zilmer 5/16).
- 11690 USSR R. Moscow; 0400-0500 EE nx, cmtry on Nuclear Power Plants, etc. (Glazzy 4/16 Harvester 6/5). 2030 EE nx, cmtry on Weapons, African service (Beauoin 5/15).
- 11700 DOMINICAN REPUBLIC R. Clarin; 0315 SS Boxing match (Brookwell 5/24). 1640 SS political tlk (Brookwell 5/20). 2255 SS Id, mx (Bishop 5/5). SS 2314-2325 SS tlk & mx (Earhart 5/21). 1930 with absolutely engrossing pgm, of 4 and 5 digit figures in the thousands given by one man, invariably followed by another man yelling "90 pesos"; for at least 10 minutes without a break or explanation of what was going on, before I, exhausted, moved on; over jamming intended for IBA. Most likely some kind of market quotations, rather than a "numbers" operation, despite C.M. Stanbury's attempt to connect this station with the CIA (Hauser 5/9).

Thank you to those who sent in reports this month! Some of the more common tips were not used because I was only allocated four pages this month. I hope to see many of you at the ANARC Convention in Los Angeles on July 23, 24, 25! Until next month, good DX-ing & 73

Log

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Report

11701+

- 11705 NEW ZEALAND RNZ: 0400-0450* Back on the air with relay of Home Service to Pac, EE, mx, cricket (Behr, Ravenhorst, Thunberg)
- 11705 EAST GERMANY RBI: 0543-0601 GG, ID, cmntry, EE song (Poppin 5/26)
- 11705 SWEDEN RS: 2300-2330 & 0230-0300 EE, nx, SCDX, mailbag (many rp)
- 11710 USSR RM-Tbilisi: 0000-0100 PP, 0100-0300 SS to SAM (Legge 6/10)
- 11715 EGYPT RC: *2330-2345 PP, M tlks w/ AA mx, ID, Good (Leffler)
- 11715 SWITZERLAND SBC: *0145-0215 EE to NAM (Cohen, Conover, Fryou); 0425-0500 EE into II at 0500 (Nebron, Poppin)
- 11720 SWITZERLAND SBC: 1815 II, Fair (Bishop); 2101 EE, nx (Beaudoin)
- 11720 CANADA CBC-Sackville: 1810 EE, comedy (Hoffman); 1045 EE, Northern Svc, Good (Padula 5/19)
- 11720 USA WYFR-Scituate: 0225 SS, replaces KGEI on freq (Padula-AUST 5/9)
- 11725 CUBA RHC: 0100 EE, cmntry (Murphy 5/10)
- 11725 USSR RM: 0220 EE, pgm abt Soviet TV (Brookwell 6/6)
- 11735 USSR R Kiev: *0030-0100* EE, DX pgm, cmntry, into RM at 0100, Good (Aston 6/3, Larson 5/13, Yajko 5/18)
- 11740NF MALAGASY REP RN-Talata: 1335 Indo, ex 21480, Good but Vatican QRM (Padula-AUST 5/22); *1227 lang, IS, ID, Poor (Conover 5/9)
- 11740 INDIA AIR: 2200 EE, nx, //9525,9912 (Zilmer 5/16)
- 11745 AUSTRIA ORF: 2310 GG, to SAM (Padula-AUST 5/8)
- 11750 JAPAN FEN: 2005-2030, mx, nx, military info, Fair (Bishop 5/5) - where was BBC co-channel?- ed
- 11750 BULGARIA R Moscow: 2300-0028* EE, 2200 R Kiev, BBC QRM (Behr)
- 11750 AUSTRIA CRF: 2030 EE, ID, Strauss waltz (Schwartz 5/8)
- 11765NF CANADA RCI: *0400-0559* EE, Good (Bishop, Hoffman, Nebron, Padula)
- 11770 USSR RM: 2300-2330 EE, NAM Svc, nx, cmntry (Ball, Mark)
- 11780 AUSTRALIA RA: 0340-0600* EE, Svc to Pac, on RNZ old freq (Many)
- 11780 ENGLAND BBC: 2145-2200 EE, to NAM, dominates over EE Svc of R Nac de Brasillia (Earhart 5/26)
- 11780 BRAZIL R Nac: *2100-2135+ EE (Earhart, Hoffman, Rojewski)
- 11785 IRAQ RB: 1730 AA, ID, cmntry, AA mx, Poor (Schwartz 5/30)
- 11785 WEST GERMANY DW: 2031 AA, wrld nx by W (Padula-AUST 5/4)
- 11785 MALTA DW: 1400-1450* AA, ID (Behr 5/9)
- 11788 ALGERIA RTVA: 0600 AA (Willis-AUST)
- 11790 VATICAN CITY RV: 1237 II, rel mx, choir (Conover 5/16)
- 11790A INDONESIA VOI: 1100-1200 EE, EL mx, nx at 1115, mx, cmntry, ID (Moritz 5/9, Overcamp); 1415-1500 EE, ID, mx, into Koran reading at 1502 (Mitchell 5/31, Robins, Rojewski 5/20) - on 11789 - ed
- 11790 SWEDEN RS: 2012 SS to Eur, 2030 EE to Af (Padula-AUST)
- 11790 USSR RM-Riazan: 2330-0300 SS to CAM, //9470, 9610, 9745, 9760, 11805 (Legge 6/10)
- 11793A COLUMBIA RNC: 0456* SS, ex11825, QRM, anned 4955, 5985, 6030, 9635, 15335 but not hrd here (Hauser 5/9); 2200-0400 SS, //9682 (Behr 5/11)
- 11795 USSR R Kiev: *0300 EE, nx, Fair (Pollard 5/25)
- 11795 WEST GERMANY DW: 2055-2150* GG, ID, mx, QRM (Hoffman 5/1); 0630 GG, to Aust, mx (Brookwell 5/28); 0401 AA, ID (Poppin 5/26)
- 11795 RWANDA DW-Kigali: *2200 GG, //15410 (Hoffman 5/1)

- 11795 MALTA DW: *0200 GG, IS, ID, nx, Poor (Hoffman 5/2)
 11796.7 ALGERIA RTVA; 2100 AA, mx, drama, //9685, 5/20 only (Behr)
 11800 SRI LANKA SLBC: 0244-0255 EE, rel pgm, //9720, 15425, Fair (Ma-
 yer 5/26); 1435-1447 lang, mx, tlk by M (Mitchell 5/31)
 11805 SPAIN RNE: 0200-0230 EE, mx, cmntry (Pollard 5/20)
 11800 ETHIOPIA ELTF: 0532 EE, nx, ID as RVOG, VP (Aston 6/6) - oops!
 11805 USSR RM-Tbilisi: 2100-2230 EE to Britain, // 7390, 9610, 9720
 (Legge 6/10); 0430 RM w/ RR tlk, //11795 (Brookwell)
 11805 BRAZIL R Globo: 2340 PP, sports event, ID, Fair (Beaudoin 4/24);
 0500 SS (not PP) boxing match, ID in PP, AFTRS QRM at 0500 domin-
 ated (Brookwell 5/28)
 11810 SEYCHELLES FEBA: 1800 EE ID into AA pgm, Poor (Beaudoin 5/14);
 0440 EE, tests to Af, //15270 (Padula-AUST 5/8)
 11810 USSR RM: 1700-2130 RR to NATlantic, //15455, 15150 (Legge);
 0153-0200 SS, pgm to Cuba (McNeil 6/14) /nel JJ pgm (Padula-AUST)
 11810 CHILE LV de C: 1040-1050 EE, stronger than Shepparton co-chan-
 11810 ITALY RAI: 0100-0120* EE, ID, nx (Hoffman, Poppin, Rojewski,
 Courtney); 0240-0320 II (Poppin, Jones); 0050 II (Conover)
 11810.5 ALGERIA RTVA: 2200 SS, "Canaria Libre" pgm, //11910 (Behr 5/8)
 11815 POLAND PR: 2235-2300 EE&Pol (Bishop 5/9); *0159-0235 EE IS, ID,
 nx, cmntry (Conover, McNeil); 0300-0330 EE (Jones, Brookwell, Pop-
 pln, Rojewski) / Aston 5/17)
 11820 AUSTRALIA RA: 2227-2239, IS, EE ID, into Indo, Poor (Moritz 5/23)
 11825 KUWAIT RK: *0815 AA pgm for Eur, ex15415 (Padula-AUST 5/11)
 11825 SOCIETY IS FR3-Papeete; 0230-0725 FF or Tahitian (many rp)
 11829.5 ALGERIA RTVA: 2220 SS, "Canaria Libre" pgm, 2304 "R Argel" SS
 pgm hrd only 5/7, other days AA pgm 2100-0030* (Behr)
 11830 CLANDESTINE V of Malayan Rev: 1448-1502 EE, mx, cmntry by W,
 Fair (Mitchell 5/31) / (Aston)
 11835 USSR RM: 0124 EE, annmnt of contest with prize of trip to USSR
 11835 AUSTRALIA RA-Shepparton; 0400-0530 EE to Af, 0530-0630 FF,
 ex 17820 (Padula-AUST 5/2, Poppin 5/26)
 11840 EAST GERMANY RBI: 0330-0415 EE to WCNA, into GG at 0415, //
 11890, 11970 (Legge 5/18, Poppin 5/26) /Sheehan, Zilmer)
 11840 POLAND PR: 0207-0330 EE & Pol, nx, cmntry (Behr, Glazzy, Poppin,
 11840 ROMANIA RB: 0540 EE, ID, cmntry, Poor w/ QRM (Aston 6/6)
 11845 KUWAIT RK: 1700-2000 EE to Eur (Legge 6/10, Miller(T) 6/6, Tuch-
 scherer 5/29) /well, Mayer)
 11845 AUSTRALIA RA: *0400-0530 EE, ex RNZ freq (Aston, Behr, Brook-
 11850 USSR RM: 0130-0155 EE Nam Svc (Aston, Ball); 0044 EE, R Kiev,
 ID, cmntry (Conover 5/26)
 11855 MONGOLIA Ulan Bator: 1000-1025, end of R Moscow Mongolian Svc at
 1000, into Home Svc-1, political tlk, flute mx, blocked at 1025
 by FEBC s/on. This was previously blocked by Jayapura. Some say
 EE svc 2200-2230 on 11810 (Padula-AUST 5/
 11860 TAIWAN VOF: 1842 FF, tlk by W, Fair (Brookwell 5/20)
 11860 SOUTH KOREA RK, 1801-1830 EE, cmntry and interviews (Glazzy, Da-
 vis, McCoy); 1140-1150 EE, cmntry (Mayer 5/14); 1057 SS, ID, mx
 (Dunn 5/18) - tent sked just received shows that 11850 not used
 11860 NORWAY RN: 0400-0408 EE, //11870 (McNeil, Overcamp); 1816 EE
 (Dunn) 0000-0030* EE, "Norway This Week," (McClure, Rojewski)
 11865 NEW ZEALAND RNZ: 0300-0500 EE, test to Pac (Behr 6/3, Glazzy
 6/3, Poppin 6/2) - let's write a thank you card! - ed.
 11865 SAUDI ARABIA BSKSA: 1855-1905 AA, AA mx, annmnts by W, faded
 out (Sarrazin 5/29) - SCDX 1381 has EE on 11855 1900-2200 - ed.
 11870 USSR RM: 2326, 0115-0130, 0215 EE, NAM Svc (Aston, Larson, Ball)
 11870 AUSTRALIA RA: 2332-2339 EE, nx, ID (Beaudoin)
 11870 NORWAY RN: 0459 EE into NN (Bishop) /well 5/23)
 11885 W GERMANY or PORTUGAL RFE: 0520 Czech, tlk, celeste IS (Brook-
 11886 BRAZIL ZYD63 R Ipanema de Rio: 0230-0342* PP, nx, tlk, mx,
 new name for R Maua, varies to 0322* (Behr 5/27)
 11890 PHILIPPINES FEBC: 1129 EE ID into lang, Poor (Miller 5/13)
 11890 OMAN OBS, *0145 0315+ AA, s/on w/ orchestral mx, anthem 0157,
 AA ID and annmnts 0200 into Koran until RBI s/on at 0315 (Pa-
 dula-AUST 5/15); (T) 0203-0220 AA chanting, V Poor (McNeil-NC)
 11900NF USSR R Vilnius: 2230-2300 EE, to NAM, not anncing this freq
 (Padula 5/8); 2330 SS to LA with new IS (Brookwell 5/13)
 11920 IVORY COAST RTVI: 0000 FF, band mx, V Strong (Brookwell 6/6)
 11925 GREECE VOA-Kavala: 0315 EE, "African Safari," (Rojewski)
 11930 CUBA RHC: 0100-0430 EE, cmntry, mx (Glazzy, Hoffman, Pollard)
 11935 AUSTRALIA RA-Carnarvon: *0800 Indo, ex 15415 (Padula-AUST 5/2)

- 11935 PORTUGAL RP: 0244-0250 EE, Portuguese nx (Conover, Jones);
0515 EE, political cmntry (Aston) - extends past 0500* in WRTH
- 11940T KUWAIT RK: 1435-1445 AA, AA mx w/ flute & M singing, no ID hrd
(Barhart 5/23) - cld be below since both hrd on Sunday per WRTH
- 11940 LIBERIA ELWA: 0700 AA, mx, Good (Behr, 5/30) / if down 10 kHz.
- 11945 LIBERIA ELWA: 0700 EE, hymns, fair (Behr 5/30)-only 5 kHz apart?
- 11945 ENGLAND BBC: 0540 EE, EE by Radio to SE Eur (Brookwell 5/26)
- 11955 SWEDEN RS: 0030-0100 EE, nx, "Panorama," (Zilmer 5/18) /AUST
- 11960 ISRAEL IBA: 0343-0405 RR, ID, Jamming (Poppin, Zilmer, Willis-
- 11990 CZECHOSLOVAKIA RP: *1730-1800 EE, nx, songs (Beaudoin); *0100-
0130 EE, nx, mx (Cohen, Padula-AUST); 0310-0330 EE (Brookwell,
12000 AUSTRALIA VNG: 2206-2215 EE, time pips (Mark) / Jones)
- 12000 EAST GERMANY RBI: 0415-0500* GG, //11940, 11970, 11892, 11840
this and 11940 cld be spurs of 11970 altho audio is clear (Behr)
- 12020 USSR RM: 2200-0300 PP/SS/Quechua Svc to SAM (Legge 6/10)
- 12045 ISRAEL IBA: 2230-2300* EE, DX Corner, nx, ID, //11625 (Courtney,
Schwartz, Yajko, Zilmer); 0500-0530, to Aust, VG (Padula-AUST 5/6)
- 12070 USSR RM: 2030-2300, EE on 1/2 hr, FF on hr, //12000, 12040 (Legge)
- 12077 ISRAEL IBA: 2200 HH, HS, tlk, mx, ads, nx (Zilmer 5/15)
- 12175T ICELAND R Reykjavik: 1210-1216+ lang, tlk by W, UTE QRM, mx, lost
under another UTE s/on at 1216 (McNeil 6/13)
- 15009A VIET NAM R Hanoi: 1800-1900 EE, nx, cmntry, ID (Dunn 5/9, Zilmer
5/30); 1200-1258* JJ pgm w/ mx, //12032.3 in QRM (Behr 5/13)
- 15060 CHINA RP: 0000-0100 EE, ID, nx, cmntry (Schartz, Welch, Aston)
- 15085A IRAN NIRT: 1515-2235 & 0330 Farsi, tlk, various mx frm ME to
Souza to pop (Hoffman, Miller, McCoy, Schwartz, Thunberg)
- 15100 USSR RM: 0201-0221 EE, nx, mx, still Vladivostok? (Jones, Moritz)
- 15100 ISRAEL IBA: 1200-1230 EE, pgm to Nam (Jones, Zilmer); *2200 EE
(Jones, Yajko); *0345-0355 RR, under RM & Jammer, ID (Mayer 5/25)
- 15105 GRENADA RG: 2000-2100, ID, cricket, rel, pgm, requests, ads
(Anderson 5/19, Beaudoin 5/21, Schwartz 5/30, Zilmer 5/29)
- 15105 JAPAN NHK: 0158 EE, IS & ID (Jones); 0315 J, ID (Poppin)
- 15110 FINLAND RP: *1400-1430 EE, into Fin at 1430 (many reporters)
- 15115 USSR R Tashkent: 1200-1230 EE, HCJB covers at 1230 (Legge 5/27)
- 15115SNF PAKISTAN RP: 0725 EE, WS for Eaf, ex 21730 (Padula-AUST 5/5)
- 15120 POLAND RP: 0200-0207+ EE, ID, mx, nx (Dunn 5/19, Zilmer 5/17);
-0350-0400 EE & Pol, M w/ cmntry, Good (Mayer 5/16) / 6/5)
- 15125SNF SPAIN RTVE: 2300-0130 SS, //11775, ex 15365 (Behr 5/31, Barhart
- 15135 IRAN NIRT: 0300-0400 Farsi, weaker than //15085A (Behr, McNeil)
- 15140 AUSTRALIA RA: 0321-0330, ID, songs, nx (Poppin 5/29)
- 15140 SWITZERLAND SBC: 1320-1345 EE, wrld nx, mx, into GG at 1345
(Barhart 5/8, Conover 5/16)
- 15145 BRAZIL R J do Comercio: 0105 PP, sports event (McCoy 5/16)
- 15150 CHILE RNC: 2250-2310, 0215-0230, 0313-0320 EE pgms w/ cmntry
ID (Barhart, Hancock, Macris, Poppin) / 6/1)
- 15160 HUNGARY RB: *1140-1147 Greek, ID by W, nx, 25 or 250 kw (Moritz)
- 15160 AUSTRALIA RA: 0315-0400 EE, nx, mx, VG to Poor (8 reporters)
- 15160 ECUADOR HCJB: 0020-0030* SS, nx, ID (Poppin 5/27)
- 15165 INDIA AIR: 1507 EE, ID by W, sitar mx (Schwartz 4/21)
- 15165 CHINA RP: 0620-0645 CC, cmntry (Poppin 5/18)
- 15170 SOCIETY IS PR3-Papeete: 0035-0505 FF or Tahitian (8 Reporters)
- 15175 NORWAY RN: *1400- 430, 1600-1630*, 1800-1830, 2200, 0015 EE
on Sunday "Norway This Week," (11 reporters)
- 15180 USSR R Kiev: 0039 EE, "Ukraine Panorama," (Jones 4/21) / Legge)
- 15185 USSR RM-Ashkhabad: 1100 EE to SEA, 1500 Urdu, 1530 EE R P&P (Behr
- 15185 FINLAND RF: 1400-1430 EE, nx, Friday Mag (Pollard, Sheehan)
- 15185 SRI LANKA VOA-Colombo: *0050-0131 EE, test tone, 0100 TD, IS,
Special EE nx, into Hindi at 0130 (Moritz 5/25, Robins)
- 15190 CANADA RCI-Sackville: 2310-0000 PP to SAM, into SS at 0000
ex 6040 (Padula-AUST, Poppin)
- 15190 CONGO RTVC: 1745-1755 EE and lang, EE ID "This is the Voice of
Namibia, the radio programme of SWAPO," into lang, EE ID at 1755
then reg pgm (Robins); 1635, 2000-2150 FF, ID, Af mx (Beaudoin,
Hoffman, Schwartz)
- 15190 AUSTRALIA RA: 0331-0500 EE pgm, mx (Behr 5/18, Poppin 5/29)
- 15195 JAPAN NHK: 0200-0230 EE, nx and "Current Topics," into JJ at
0215 (Glazzy 4/18)
- 15195 MOROCCO VOA-Tangiers: 2035-2100 lang, M&W tlks, into Albanian
at 2100 (Hoffman 5/16) - site from VOA J76 sked - ed.
- 15200 USSR RM-Kalatch: 1100-1600 SAs langs, 1600 EE (Legge 5/26)

- 15200 FRANCE RFI: *1600-1700* EE, "Paris Calling Af," (Gearhart)
 15205 MOROCCO VOA-Tangier: 2100 EE, nx, Good (Hoffman 5/16)
 15210 USSR RM: *0100-0123 EE, ID, nx, mailbag (Moritz); 0300-0330 EE, R Kiev (Hancock) / kowski, Woltman)
 15210 FRANCE RFI: 1605-1700 EE, "Paris Calling Af," (Hancock, Koziom-
 15220 SOUTH AFRICA RSA: 0635-0651 EE, ID, mx (Poppin5/24)
 15220 NETH ANTILLES RN-Bonaire: 2210 DD, ID, accordian mx (Poppin)
 15220 HUNGARY RB:2359 trumpet IS, SS ID to IAm, VG (McNeill); 0035-
 0045 Hungarian, unusual long path opening (Padula 5/23 - AUST);
 2200 EE ID into SS pgm, //15415 Fair (Mayer 5/23)
 15225 TAIWAN BCC: 0800-0900 & 0130-0200 CC, //11860 (Padula-AUST)
 15240 AUSTRALIA RA: 0242-0515 EE, ID, US pops, nx (Dunn, Dubrick, Schwartz, Hoffman)
 15240 YUGOSLAVIA RB: 1530-1550 EE, ID, nx, cmntry (Conover 5/8)
 15240 SWEDEN RS: 1831-1840 EE, nx, cmntry (Beaudoin 5/21)-Af Svc-ed.
 15245 ZAIRE LvdZ: 2015-2305 FF & vern, ID, Af mx (Beaudoin, McClure, Schwartz) / Mayer 5/22)
 15245NF SAUDI ARABIA Riyadh: 1700-2000* AA, Holy Koran chants (Behr 5/9,
 15250 PHILIPPINES VOA: 0100 EE, mx (Murphy) - Delano, CA listed - ed.
 15255 USSR RM: 0800-1000 EE to Aust/NZ (Padula-AUST 5/5)
 15260 ENGLAND BBC: 2245 EE, "Sports Round-up," Good (Hoffman 5/22)
 15270 JAPAN NHK: *2345-0045* EE, IS, ID, NAM Svc, //15300 (Aston, Conover, Gearhart, Schwartz, Thunberg, Welch)
 15270 SEYCHELLES FEBA: 0430-0500 EE, test transmission, //11810 (Padula-AUST, Willis-AUST); *0345-0400* EE, ID, rel mx, into lang, Good (Hancock 5/27)
 15273 URUGUAY SODRE: 2305 SS, nx, ads, fading (Robins)
 15275 NETH ANTILLES TWR: *2140 NN, mx, IS, ID, //15320 (Hoffman 5/16)
 15280 POLAND PR: 0200-0230 EE, nx, cmntry, mailbag, VG (Hancock 5/29)
 15290 AUSTRALIA RA: 0320-0330* EE, mx, to Pacific Is (Thunberg 5/28); 0405-0445 EE, nx, pop mx (Poppin, Schwartz, Woltman)
 15295 USSR RM-Voronezh: 1100 EE, 1230 R P&P EE (Legge 5/18)
 15300 JAPAN NHK: 0030-0046, DX nx by W, nx, ID into SS pgm (Macris)
 15300 FRANCE RFI: 1600-1630 EE, "Paris Calling Af," //15200,15210,15310 15360,17720,17850,17860 (Davis, Koenig, Welch, Yajko)
 15305 SWEDEN RS: *1400-1430 EE, Mailbag, SCXKers, nx(Beaudoin, Conover Jones, Koenig, Thunberg) / (Bogel 5/14) - site per VOA sked.
 15305 MOROCCO UN-Tangier: 1800-1820, VOA into nx in EE,FF, Grk, etc
 15310 MALAYSIA BBC-Tebrau: 1353-1400 EE, sports, Poor (Beaudoin); 1523-1532 EE, tlk on canal, Good till VOA s/on (Bogel(T) 5/14)
 15310 BULGARIA RS: 2105-2130 EE, nx, cmntry to Af, into FF at 2130 (Beaudoin 5/15, Zilmer 5/15) /Earhart, Murphy, Poppin, Welch)
 15320 AUSTRALIA RA: 0100-0300 EE, nx, Aust top "40," (Beaudoin, Glazzy
 15320 NETH ANTILLES RN-Bonaire: 0020* SS, "Happy Station," (Conover)
 15325 PAKISTAN RP: 0235-0243* lang, chants, Wanner, NA at s/off (McNeill 6/14); 0330-0345 Indo, local mx, tlk, Fair (Mayer 5/26); 0140-0230+ lang, IS at 0157, EE ID into Indo, Fair (Zilmer 5/17)
 15325 CANADA RCI: 2100-2200 EE, nx, mx (Turner, Padula-AUST)
 15325 EGYPT RC: 2000 Fulmani pgm into FF at 2030 w/ nx (Behr, Mayer)
 15335 AUSTRIA ORF: *1830 EE, IS into EE pgm, Fair (Davis 5/8)
 15345 KUWAIT RK: *0500-0800 EE, flute IS, ID, pop mx (Lavery, Mitchell)
 15345 GREECE VOG: *1215-1230* EE, nx, cmntry, Poor (Zilmer 5/16)
 15345 ARGENTINA LRA33: 1810-1830* SS, noted substantial improvement in reception in TN compared to old I L QTH (Hauser) / 5/18)
 15350 USSR RM: *0430 Swahili, 0445 EE, //15415, Caucasus's tx? (Behr
 15350T ZAIRE LvdZ: 1950-2025 FF, EE pop mx, f/o 2025 (Hoffman 5/1)
 15355 AUSTRALIA RA: 0200-0506 EE (Poppin, Thunberg, Zilmer, Overcamp)
 15365NF CANARY IS RNE-Tenerife: 2100-0200+ SS, down 10 kHz w/ relay of Madrid to IAm, Madrid moved frm here to 15125 (Behr, Legge,Robins)
 15380 NEW ZEALAND RNZ: *0250 EE, Bellbird IS into relay of HS, not hrd since (Robins 5/21); *0345-0400 EE w/ cricket match (5/22); 0055 EE, sports nx, ID (6/6) (Mayer); 0130-0450 f/o EE (Overcamp 6/25)
 15400T MEXICO La Voz de la America Latina: 0130-0200 (Hoffman 5/30) - this would be new freq - ed. / poor modulation (Behr 5/11)
 15400 VENEZUELA R Nac: 1300 AA mx & nx, 1403 SS pgm; 2200-2258 EE,
 15410 USA VOA-Greenville: 1940 EE, mx, //17870 but delayed 1 sec (Hoffman 5/1)
 15415 AUSTRALIA RA: 0100-0700 EE (Behr, Dunn, Poppin, Zilmer)
 15415 USSR RM: *0330Swahili, 0345 EE, 0400 AA (Behr 5/18)
 15415 HUNGARY RB: 2130-2150 EE to Eur, //9655 (Beaudoin, Cohen, Legge)
 15415 NETH ANTILLES TWR: *2335 RR, rel pgm, V Good (Hoffman)

- 15425 SRI LANKA SIBC: 0045-0208 EE, ID, pop mx, "Back to the Bible" frm 0130-0200 into BBC fr (Aston, Conover, Dunn, McCoy); 1530-1545, pop mx Fair (Bishop 5/14)
- 15425 USSR RM-Simferpol: 1330 EE to Af, 1400 Radiostansya Rodina (Legge); 1515-1530* EE, Af Svc (Thunberg 6/1)
- 15430 SWITZERLAND SBC: 1315-1330 EE, //15140 (Jones, Thunberg 6/5); *1530-1600* EE, anned //11870,17830,3985,6165,9535, QRM (Mark)
- 15435 MALAYSIA BBC: 0020 EE, "Radio Newsreel," Fair (McNeill)
- 15435 AUSTRIA ORF: 2127-2130 GG, ID into SS (Conover); 2200-2240 GG ID, nx, to Sam (Cohen, Earhart, Hoffman)
- 15440 USA WYFR-Scituate: 0050-0100 EE, rel pgm (Pollard 5/25)
- 15445 LIBERIA VOA-Monrovia: 2110 EE, tlk about super soap (Hoffman)
- 15455 USSR RS Atlantika: 1246-1405 RR, tlk, mx, //15150,12020, 17700 (Jones, Earhart) - I have mis-reported freq for last 3 mo - sorry
- 15475 EGYPT TC: 1250 AA chants, Fair (Yajko 5/28)
- 15487A ISRAEL IBA: 1200-1230 EE, pgm to Nam, Fair (Earhart, Zilmer); 2000-2055 (Lavery)
- 15505 USSR R P&P: 1336 EE, tlk and cmntry, Fair (Jones 4/18); 0305-0320 EE, nx, ID, mx, Fair (Hoffman 5/18)
- 15512A ISRAEL IBA: 1950-2000 HH, HS, pop mx, Winston cigarette ad, nx (Anderson 5/19); 2246-2305* lang, EE&FF pops (Courtney 5/8)
- 15520 PAKISTAN RP: 0722,EE, WS for UK, ID (Padula-AUST 5/5)
- 15540 ISRAEL IBA: 2000 EE, into FF at 2030 to 2055*, //11645, 9815, 9435 (Behr 5/9) / (Zilmer 5/25)
- 15650 N KOREA RP: *2200-2248* KK, tlk, local mx, //11535, hrd daily
- 17665 PAKISTAN RB: 1430-1600 Urdu, mx & chants, cmntry, EE ID at 1559 Fair (Conover 5/16, Cress 5/14)
- 17685 ISRAEL IBA: 1200 EE, nx, Fair (Hoffman 6/1)
- 17700 USSR RM: *1500 EE, 1600 FF, 1630-1700* Af lang, VG (Behr 5/16)
- 17720T TAIWAN VOFC: 2227-2230* lang, tlk by W, mx, Poor (Courtney 5/11)
- 17720 FRANCE RFI: 1720 FF, cmntry, mx, het, Fair (Hoffman 5/12)
- 17755 ITALY RAI: 1425* II, ID, IS (Conover 5/16)
- 17755 ECUADOR HCJB: 1731-1745 EE, "Call of the Andes," (Beaudoin, Hoffman); 2112-2130 GG (Earhart, Hoffman) / (Gearhart 5/25)
- 17765 RWANDA DW-Kigali: 1210 EE, pop mx, VG (Hoffman); 1330-1400 lang
- 17765 USA AFRTS-Delano: 2150 EE, Basketball game (Sarrazin 5/30)
- 17780 ECUADOR HCJB: 1755-1803 EE ID into Czech pgm (Earhart 5/29); 1930 EE, mx, ID (Hoffman 5/29)
- 17785 USSR RM: 0800-10000 EE to Aust/NZ (Padula-AUST 5/5)
- 17795 AUSTRALIA RA: 0100-0300 EE, Keith Glover annes return of RNZ (Poppin 6/4, Ball 5/24)
- 17795 USSR RM: 1615 EE, Af Svc, Fair, s/off 1630 (Beaudoin 5/13); 1045 EE R P&P, cmntry abt US bases in Asia (Dunn 5/18)
- 17800 USA VOA-Bethany: 1910 FF, pop mx, //17855 (Hoffman 5/1)
- 17815 ISRAEL IBA: 1800 RR, 1830 HH, //15485, 15465, all Good (Behr)
- 17820 ITALY RAI: 1715 II, ID by M into sports nx, Poor (Beaudoin)
- 17820 CANADA RCI: 1735-1745 GG, ID, mx (Hoffman 5/8)
- 17820 TAIWAN VOFC: 0300 EE, W w/ local mx, tlk Poor (Mayer 5/22)
- 17825 JAPAN NHK: 0130-0200 EE, nx, xmnlty abt Japan, //17725, 15420 hrd (Cress 5/20) / 5/27)
- 17830 PAKISTAN RP: 0500 Urdu pgm w/ chants, Good, //17750 Weak (Behr)
- 17840 ASCENSION IS BBC: 1545 EE, cricket, VG (Hoffman 5/27)
- 17845 USA WYFR-Scituate: 2035 EE, Bible reading, Fair (Aston 5/18)
- 17870 LIBERIA VOA-Monrovia: 1845-1915 EE, cmntry on NY zoo (Hoffman)
- 17870 AUSTRALIA RA: 0310-0430 EE, nx, mx horse races (Dunn, Poppin, Sheehan)
- 17880 JAPAN NHK: 0310-0315 EE, cmntry and ID (Dunn 5/19)
- 17880 WEST GERMANY DW: 1220-1244 EE, tlk on railways, H2O supplies, mx, nx, ID, Good (Macris 5/31)
- 17880 SPAIN RNE: 0240 EE, ID, mx, tlk (Conover 5/15)
- 17880 PORTUGAL RP: 1835-1845, lang, clear ID, Fair (Hoffman 5/1)
- 17885 CUBA RHC: 2000-2030 EE, cmntry abt Af (Conover, Schwartz)
- 17885 USSR RM-Vinnitsa: 1330, 1500, 1630 EE to Af (Legge, Bea doin)
- 17886H COLUMBIA LV Centauros: 2240 SS, believed 3x5962, faded out & too early to hear 5962 itself (Hauser 5/27)
- 17890 TAIWAN BCC: 0308, Heavy QRN, nx pgm (Dunn 5/19); VOFC 0218-0250 EE, CC mx and EE anncmnts, Fair (Cress 5/19); 0302 EE (Poppin)
- 21485 USA VOA-Bethany: 1813 slow EE, story, Fair (Hoffman 5/1)
- 21735 PORTUGAL R Nac: 1605-1620 PP, mx, ID (Schwartz 4/21)

800+ individual reports so all could not get in. Check last month for more regular items especially in 25 m band. Thanks & 73s,



DON JENSEN, NU FOUNDER

NASWA officials and a few individuals were included to attend. A general announcement was not made because of the limited scope of this meeting and the very limited facilities to accommodate a small gathering. There is even no formal program planned. Don Jensen started N-U in 1968.

As it happens, however, there are a few rooms left vacant. And, if any NASWA members care to attend 6-8 August, please write Ed C. Shaw NOW at Box 7053, Lexington, KY. 40502. \$10 to register, which includes one seat at the banquet. Plus \$10 per night in a shared room. First come, first served. I hope that you are able to attend. So, hurry!

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CB ANTENNA GIVES GOOD PERFORMANCE

Can a roof-top CB antenna be used as a short wave antenna?

You bet! CB operates at a frequency range of about 27 MHz. This is a question arriving just at a time when I have developed a personal interest in the subject. Popular roof-top CB antennas are mounted on a mast, usually affixed to one's chimney or guyed up beside the end of the roof. Three types commonly used are the vertical elements of 9', 18', or 20'. In addition, they each have horizontal arms which make up the ground plane. All types use coaxial cable for lead-in to the CB unit.

A very satisfactory use can be made of such CB antennas, especially the latter longer elements. BUT, you

must take care to use only the center tip of the coaxial lead-in plug. Do not use the coaxial cable mesh lead affixed to the shell of the plug, or allow it to touch any part of your radio's cabinet. While there is no electrical danger, a diverse mismatch would result to severely impede incoming signals....particularly so as one tunes lower and lower below 27 MHz. I have noted very good results down to 6 MHz in the evening hours.

Before rushing out to purchase a CB antenna, you might check GILFER for a HyGain SWV-7. This requires a bit of roof-top gymnastics, and is a bit more expensive because of its traps. But it may perform better. It's a good bet if you have little or no space to throw up an appreciable longwire.

As a last observation; verticals are a bit more susceptible to street noise.

HELPING HAND: Wanted. Am looking for Hammarlund HQ-180AC receiver with the telechron clock-timer in mint condition and in good working order. Contact Stanley F. Cabral, 2254 62nd Ave., Oakland, CA 94605.

HELPING HAND: For sale. Allied AX-190 ham band receiver, excellent condition, unmodified, \$180.00. Or, I will modify to cover SWBC bands (already covers 75, 41, & 19 meters) for \$180.00 plus cost of crystals. You pay shipping. Contact Dan Ferguson, P.O. Box 8452, South Charleston, WV 25303.

HELPING HAND: Information wanted: Am looking for a good set of headphones for use with my SPR4. Brand names and where they can be obtained would be most appreciated. Contact Don Aston, 3900 River Lane, Rock River, OH 44116.

HELPING HAND: For Sale. Hallicrafters SX-71 with crystal phasing, 540-30.0 MHz plus 6 meters, very fine condition. \$125.00. Also, BC-348 receiver, 200-400 kHz; 1400-18,000 kHz for \$40.00. Contact Andy Robins, 2724 Fleetwood, Kalamazoo, MI 49008.

Thank you to 64 reporters this month! Let's keep it up. Send in again, soon!

Alan ANDERSON, Hopedale, MA (NC57)...Donald ASTON, Rocky River, OH (SPR4)...
 David BALL, Downsview, Ont, Canada (DX-150A)...Robert BEAUDOIN, Bridgeport,
 CN (R-388)...Ernie BEHR, Kenora, Ont, Canada (SPR4/XCR30)...Gerry BISHOP,
 Missoula, MT (DX-160)...Bill BOGEL, Perryville, MO (RF-1150)...Larry BROOK-
WELL, San Diego, CA (R4B)...Roy CAIN, Monroe, LA (Midland)...Jon COHEN,
 Willingboro, NJ (SW-717)...Jack CONOVER, Pittsburgh, PA (SPR4)...Allan
COURTNEY, Lexington, KY (SX190/R392)...Hadley CRESS, Harrisonburg, VA (R4C/
 HRO-500)...William DAVENPORT, Nashville, TN (DX-160)...Jim DAVIS, Travis AFB,
 CA (R390)...Tony DUBRICK, Urbana, IL (GR78)...Guy DUNN, Paramus NJ (SPR4)...
 Kenneth EARTHART, Allentown, PA (DX-150/SX190)...Allen FRYOU, New Orleans, PA
 (BC-794B)...Emery GEARHART, Springfield, OH (SPR4/XCR30)...Charles GEORGE,
 Dallas, TX (Star Roamer II)...Mike GLAZZY, San Jose, CA (SX130)...John HAN-
COCK, Mobile, AL (SPR4)...Mike HARDESTER, San Diego, CA (SPR4)...Werner
HOFFMANN, Newark, OH (SSR-1/NC-140)...Dale JOHNSON, Winnipeg, Man, Canada
 (SB-310/SX-42)...Jack JONES, Jackson, MS (DX-160)...Joseph KOENIG Sr, Elmwood
 Park, NJ (DX-160)...R.J. KOZIOMKOWSKI, Amsterdam, NY (SX-111/DX-150)...
 Richard LARSON, Minneapolis, MN (SPR4)...Arnold LAUSEVICH, Milwaukee, WI
 (DX-150B/HQ-180C)...Bruce LAVERY, Atlanta, GA...Irving LEFFLER, Brooklyn, NY
 (DX-160)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...James McCLURE,
 Lexington, KY (SX-190)...Bob McCOY, Lincoln, NE (DX-150B)...Pat McKRELL,
 Rohnert CA, CA (DX-160)...Randolph MACRIS, Richmond, MO (DX-160)...Martin
MARK, Indianapolis, IN...Publisher Alan MAYER, Park Forest, IL (SPR4)...Greg
MERKLIN, Manhattan, KS (Globetraveler III)...A.A. MILLER Jr, Youngstown, OH
 (HRO-500)...Richard MITCHELL, Cupertino, CA (SSR-1)...Steve MURPHY, Royal
 Oak, MI...Larry NEBRON, Daly City, CA (SX-190/SW4A)...Editor Tom OVERCAMP,
 Seneca, SC (SP-600/BC-221AK)...Bob PADULA, Surrey Hills, Vic, Australia,
 (Marcni CR100)...Eunice POLLARD, Warwick, RI (XCR-30)...George POPPIN, San
 Francisco, CA (CRF-5090)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...
 Andrew ROBINS, Kalamazoo, MI (51J4)...Don ROJEWSKI, Tacoma, WA (DX-160)...
 David SARRAZIN, Denver, CO (Unelco 1914)...George SCHNABEL, Rochester, NY...
 Richard SCHWARTZ, Dover, DE (SX-190/S108)...Chris SHEEHAN, Toronto, Ont,
 Canada (9R-59D Kenwood)...Leon TANNENWOLD, New York, NY (SPR4)...Robert
THUNBERG, Dubois, PA (SSR-1)...John TUCHSCHERER, Neenah, WI (HQ180A/HQ100A).
 William WELCH, Tallahassee, FL (DX-160)...Mike WILLIS, Hampton, Vic, Aust-
 ralia (Trio 9R59DE)...Frank WOLTMAN, Cambridge, WI (DX-160)...Robert YAJKO,
 Leechburg, PA (SPR4)...Robert ZILMER, Milwaukee, WI (SPR4)...OOPS! almost
 forgot our indefatigable Glenn HAUSER, Knoxville, TN (HQ-160).....

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HELPING HAND: For sale. Hammarlund HQ180C, with 24 hour clock/timer and manual. Nice condition, \$200.00 plus shipping. Contact Harry Helms, 115 W. LeRoy Street, Fort Mill, SC 29715

HELPING HAND: Wanted to buy or borrow. Operating manual and schematic for Hammarlund HQ150. Prompt return promised and will pay mailing costs. Contact Gary T. Sroka, RD #1, Box 110, Utica, NY 13502

HELPING HAND: Wanted. Sams Photofacts for Zenith G500 Transoceanic and/or Hallicrafters S-41G. Will buy or trade. No complete sets please. Also have old Photofacts for sale cheap. Contact Steve Murphy, 3010 Woodslee Drive, Royal Oak, MI 48073

HELPING HAND: Wanted. Allied SX-190 receiver as gift for senior citizen. Contact Dennis L. West, 2120B West Middlefield Road, Mt. View, CA 94043. State price, please.

POLISH BY RADIO COURSE: Free to the first DXer requesting same from RM1 Charles M. Wooten, Operations Dept., USS Howard Gilmore (AS-16), FPO New York 09501. Course is the full 76 lessons including dictionary.

BBC WORLD SERVICE'S WESTERN HEMISPHERE SCHEDULE: For a SASE, David L. Walcutt, 420 Fullerton Parkway, Apt. 315, Chicago, IL 60614, will send a copy free. Is good through September 4.

NASWA REPORT FORMS: Can now be gotten from yours truly, so that when you send in your reports, you can send a business envelope plus 24¢ in postage, and receive 20 sheets. We much prefer getting reports on the report forms, so why not get some from me, and make it easier for everyone!? Our Australian friends can get their forms from: Geoff Cosier, Unit 2, 12 Ruyton St, Burwood Victoria 3125, Australia, for a Stamped, Self addressed envelope. This should make it cheaper for them to get, also.

Well, send in your reports, and show us what your best DX was this past month. Now's the time to work over your antennas and all your equipment, before the DX season is suddenly upon you, and you are caught with your antennas down. Follow reporting suggestions in the May issue. 73's, Greg Ravenhorst, Dist. Ed., Rural Route, Hollandale, MN 56045

NASWA

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Publishing **FRENEX** Monthly

Unity and Friendship

NASWA'S dues are \$ 13. per year for members in North America, and for delivery via First Class Mail. Overseas dues are the same, but airmail is available for an additional cost. The following is the additional fee for overseas airmail: Central America, the Carribean, South America, and Europe \$ 7.00. Asia, Africa and the Pacific \$ 9.00.

NASWA'S DX HOTLINE is compiled twice a month, giving the DXer the very latest DX news while it is hot. The DX HOTLINE is edited by veteran DXer Ralph Perry. All reports for the DX HOTLINE go directly to Ralph at 3304 27th Street Kenosha, WI, 53140 USA. One issue of DX HOTLINE is incorporated in each issue of FRENEX, the other issue, the Mid-Month DX HOTLINE is available in a separate mailing to NASWA members for \$3.00 per year in North America. It is airmailed to overseas for \$5.00 per year. These fees are, of course, in addition to the annual membership dues.

All inquiries, checks/ money orders/ dues/ renewals/ and or orders for the Mid-Month DX HOTLINE should be sent to NASWA Headquarters:

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