

**f r e n d s D X**

**NAS  
W A**

SEPTEMBER - 1976

P.O. Box 13  
Liberty IN 47353

American SW Association

# Loudenboomer

## report



"How DOES he do it?"

That was the paramount question at last month's meeting of the Pottstown DX, Stomping and Chowder Society.

The subject of the question was one Arch Sambo, current whiz on the DX scene. For months the Secaucus, N.J. listener had been buring up the pages of the more important DX club bulletins with reports of fantastic loggings and next-to-impossible QSLs.

"Waddaya mean, 'NEXT-TO-impossible'?" queried skeptic-in-residence, Pete Pankowitz, as he slurped a spoonful of steaming chowder.

"Well now we can't be unfair to the fellow," was the response of Simpson Q. Meeque, blinking behind his coke-bottle-thick lenses. "Maybe he's just a very good DXer."

The discussion, some of it as heated as the bowls of thick soup before us, rolled on, with everyone speculating about the reported feats of Sambo.

Through it all, ye faithful scribe, C. Loudenboomer sat back quietly--difficult though it was for me--with a knowing smile.

Finally, when it was clear that an impasse had been reached, that those assembled had no real idea if the subject of our discussion was phenom or phraud, I spoke for the first time.

"Speculation is a waste of time," I intoned solemnly, "when I have all the answers here." Dramatically I pulled from my pocket a slim, dark-covered notebook.

"This," I announced smugly, "has solved the mysteries. This is Arch Sambo's Little Black Book, memos in his own handwriting on just how he does it."

Of course my audience plied me with questions as to how I had come upon this secret of secret volumes. Since they had always half suspected me of having CIA connections, I did nothing to disabuse them of that notion. Nor will you, dear reader, get any explanation. Suffice it to say that the book of Sambo's secrets merely "fell into my hands."

Then came the serious questions.

"Sambo claims 7,340 QSLs," Simpson noted. "How?"

"OK, Simp," I replied. "Right here on page 3, a breakdown of his veries... 2,987 from the VOA, 2653 from RCI, 1,605 from the BBC..."

"That totals 7,245," interrupted Simpson, who'd whipped out his pocket calculator. "And the rest, that'd be 95 QSLs..."

"Are listed as 'miscellaneous,'" I concluded, reading from the page.

The next question was from Pakowitz the Pugnacious. "Da guy must send out 200 reports a month to get dem kinds of QSLs," the articulate Pete rumbled. "Da postage alone must cost a fortune. Who is he anyhow, J. Paul What's-his-face or Rockyfellow?"

"Maybe you weren't aware of it," I responded, "but Sambo is a postal service employee. And here, on page 17, he sets forth his motto:

"Don't buy the stamps; Economize!

Let Uncle Sam subsidize.

Come to work early; when no one's aware...

Well, the postage meter's just sitting there!

"You mean..." Pete spluttered.

"Yup, the only Zip in the Secaucus post office is what Sambo pays for his report postage...big zero, nothing. It's better than a franking privledge!"

The silence was deafening as my cohorts all sat around in outraged silence.

Finally it was the normally meek Meeque who stood up, rose to his full five feet, one and announced boldly, "I guess it's up to us to stamp out this Sambo scheme."

He grabbed a sheet of paper from my desk and began scribbling furiously. I looked over his shoulder and read:

"To the Postmaster, Secaucus, N.J.

Dear Sir:

Did you know you have an employee in your office who....

## Restructuring of NASWA

A recent situation called our attention to the fact that there was a NASWA "Constitution and By-laws" adopted years ago which have been ignored in many respects up to the present time because the progress of NASWA had gradually outgrown them. They were adequate for fifty members, but not for today's world-wide membership of approximately 1,200 members.

Accordingly, we feel that a new Constitution is necessary to assure NASWA's existence and future growth. There is no fair way, nor accurate way, for such a large and widely dispersed membership here or abroad to select officers as originally intended and be certain that those selected were even known let alone those best qualified and willing to do NASWA's work. The new set-up is designed to guarantee continuity of management and unweakened progress. It eliminates any drastic administrative crises by providing for fast and efficient replacement of officers when vacancies occur. The duties and responsibilities of the officers are specifically set fourth together with an executed pledge that they will carry out those solemn obligations.

Therefore we are proposing that NASWA be an association of persons devoted to the mutual pooling, classifying, dissemination, publication and sharing of information dealing with the hobby of short wave radio and headed by persons who have proven themselves to be experienced, dedicated and willing to do the work necessary to accomplish these objectives.

After much discussion and contacts with some of our members a new Charter and Constitution have been drafted designed to meet NASWA's present and future needs and functions. Since the support of the membership is vital, these documents will be printed for all to read and vote for their acceptance.

In coming weeks, each NASWA member in good standing will receive copies, a financial statement for the period ending June 30, 1976, and lastly a ballot which is to be returned to HQ to indicate each member's preference as to acceptance or rejection.

The format of these documents has been the work of several individuals including Ed Shaw and your Executive Editor. The final drafts were made at a meeting in Lexington, Kentucky, to which NASWA member Charles H. Brunner, Jr., an attorney, of Salford, Pennsylvania, flew and stayed at his own expense and gave us the benefit of his legal experience on a volunteer basis in reviewing and making numerous changes in the format so NASWA can be on sound legal grounds, as well as providing a lasting and permanent document.

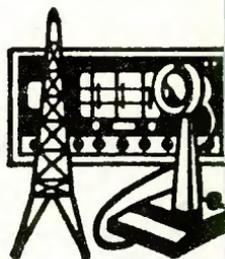
**NU CONVENTION III A SUCCESS!** The third annual convention of NU (NumeroUno) hosted by Ed Shaw on August 6-8, 1976 at the Springs Motel in Lexington, Kentucky was a resounded success with all in attendance agreeing that it was. Approximately 35 persons were in attendance, representing Don Jensen's NU membership, some NASWA editors, and a few other invited guests. Some 13 states were represented as well as a guest from Australia.

The program was well planned with speakers on a variety of hobby subjects. Saturday morning, Perry Ferrell of Gilfer Associates offered a review of what can be expected in the way of new equipment as well as the outlook for the future. Marlin Field of Hillsdale, Michigan gave a very interesting talk on his experiences in DXing the Ecclesiastic stations. Don Jensen and Dan Henderson gave a profile on DXing Indonesia.

After a lunch break, a most interesting talk on the subject of DXing European Hobby Pirate stations was given by Dr. John Campbell, now living in Australia. The next talk was Larry Magne's presentation on frequency management and some of the things being considered for presentation at the 1979 WARC meetings.

The evening banquet featuring Kentucky ham was well received, followed by an interesting talk and slide presentation by Ralph Perry on his recent trip to Peru and Ecuador where he visited a number of the local SW stations. The final event was also a talk and slide presentation by Dan Robinson on his experiences as an exchange student in Swaziland.

# Shortwave Center



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

SEPT 76

Welcome to another month of Shortwave Center. Articles appearing in SWC are submitted by you, the reader. We welcome articles for SWC on any subject relating to shortwave broadcast DXing, SWling, shortwave broadcasting, and equipment. Send your contribution to your Shortwave Center editor listed above. Timely material should be so marked and be here by the 10th.

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## ANTENNAS

THE ANTENNA-SEMANTICS HAZARD

by Morgan Monroe, Sandpoint, Idaho

Where antennas are concerned, many SWLs suffer chronic confusion. Although unnecessary, there is abundant reason for this unfortunate condition.

More misleading nonsense probably has been written and published concerning antennas than about any other subject associated with shortwave radio. The cumulative effect induces what might be termed "antenna semantics". Many SWLs, perhaps the majority, can not comprehend what, if anything, is meant by all the conflicting statements, mutilated terminology, and pie-in-the-sky performance claims.

Responsibility for this semantic hang-up must be shared by many, with SW antenna manufacturers heading the list. They have earned the dubious distinction with ad-agency doubletalk, unsupported performance "data" and allegations of "design secrets" not possessed by others.

Close behind these confusion-creators come radio-listener-club publications that feature misleading articles by self-styled "antenna experts". These usually deal with some bit of poorly-informed antenna tinkering by the "expert". Or perhaps it is a garbled rehash of something he has read but does not understand because he lacks knowledge of antenna principles.

Informed antenna experimentation is desirable, of course; more SWLs should learn to do it. Many listener-club "experts", however, are not informed, objective experimenters. Too frequently, they are hit-or-miss tinkers whose efforts consist largely of applying tricky names to personally-fouled-up variations of standard antenna configurations.

Last, but most significant, among those responsible for the confusion induced by antenna semantics are SWLs themselves. A remarkable number of otherwise intelligent SW receiver owners still appear to believe they can get something for nothing where antennas are concerned.

Paradoxically, these often are the individuals who waste time, effort, and money in stringing up inefficient, crackpot contraptions solely because equally uninformed members of the fraternity tout such monstrosities in print. Rarely do the victims of this nonsense realize that, with few exceptions, the touters lack both the knowledge and equipment necessary to effectively test and evaluate their "wonder" antennas before enthusiastically endorsing them in club bulletins. When objectively tested under controlled conditions, such contraptions seldom offer any advantage over a random length wire.

All this confusing hocus-pocus is unnecessary. The time-tested fundamentals of SW antenna design, construction, and evaluation are spelled out in reliable publications such as the A.R.R.L. *Antenna Book* and others. Those guided by such performance-tested information are well aware that all antennas are subject to certain physical and mathematical laws and that all are, in one way or another, compromises between ideals and the realities of construction and operation. The well informed also know that only a few antenna types--all possessing long-established names and performance characteristics--are practical for use by most SWLs.

These types include horizontal and vertical antennas in a number of configurations sufficient to meet the needs of any SWL. The horizontal single-wire antenna--with more names than a wanted criminal--long has been the workhorse of SWBC reception. The vertical type, also with a sizeable list of confusing names, is runner-up and self-dictating choice for those lacking space to string the horizontal type.

In view of these simple facts, why such widespread confusion concerning efficient variations of two basic antenna types? Antenna semantics, what else?

Dipole, folded dipole, multiband dipole, longwire, end-fed, center-fed, Window, multee, Hertz, zepp, doublet, inverted-L--all these names and more are applied to horizontal wire antennas. And in the vertical camp we have ground plane, disccone, vertical, fan vertical, inverted dipole, inverted folded dipole, Marconi, whip, etc. Small wonder many SWLs are confused.

In the semantic morass of antenna nomenclature lurks the additional hazard of mutilated terminology. Perhaps the most frequently encountered example is the term "longwire". Often it is used incorrectly in referring to any horizontal single-wire antenna (yes, even in FRENDX).

This is wholly misleading. A true longwire antenna is several wavelengths long at its resonant frequency. Those engaged in professional antenna research and development generally apply the term only to antennas four or more wavelengths long because signal gain is not significant short of such lengths.

So a 100-foot single-wire antenna can not be a true "longwire" at any SWBC frequency. Call it an end-fed Hertz or inverted-L, if that is what it is, but not a "longwire", which it is not and can not be.

The semantic barrier that blocks SWL understanding of antenna fundamentals also causes trouble in the associated, equally confused area of transmission lines. We read and hear, for example, long-winded discussions concerning the comparative merits of coax versus unshielded downleads. The uninformed are likely to become bogged down in the verbiage and lose sight of the significant, underlying fact: Each is efficient when properly used but very inefficient under other conditions.

All of which demonstrates that if you would escape the antenna-semantics trap, digest the contents of a reliable basic publication on antennas and transmission lines. Then forget everything else you have read or heard. But, above all, remember this:

How any type of antenna or downlead performs for you at your location with your receiving equipment is the only thing that counts when the DX chips are down. Isn't this what it's all about?

**ECLIPSE**

PROPAGATION AND THE TOTAL SOLAR ECLIPSE

prepared by Martin B. Mark  
Indianapolis, IN

On 23 October 1976 some parts of the world will view a total eclipse of the sun. Dr. David D. Meisel of the Department of Physics and Astronomy, State University College, Geneseo, New York, will examine the effect of this eclipse on radio propagation. In order to accumulate a large amount of data, Dr. Meisel would like the co-operation of shortwave listeners anywhere and everywhere in the world. Here are the frequencies and transmissions that Dr. Meisel suggests should be monitored:

Station	Time (GMT)	Frequency (kHz)	Power (kW)
Radio Tanzania	0300/0500	3339	10
Radio Tanzania (Zanzibar)	0300/0500	4825//5050	20/50
Australian B. C.			
Perth	0430/0730	9610//15425	10/50
Sydney	0530/0800	6090	2
Lyndhurst (R. Australia)	0530/0800	15145	100

Station	Time (GMT)	Frequency (kHz)	Power (kW)
Lyndhurst (R. Australia)			
cont.	0530/0730	15335//17870	100
	0600/0800	15190	250
(VNG)	0530/0800	7500//12000	10
Melbourne	0530/0800	9680//15230//6090	10

Dr. Meisel sends this statement too:

"Quantitative measurements of signal strength of one or more of the above stations using antennas sensitive to only one degree of linear polarization (either horizontal or vertical) for the appropriate monitoring periods on 22, 23, and 24 October 1976 would be appreciated. Send chart records or other documentation to Dr. David D. Meisel, Dept. of Physics and Astronomy, State University College, Geneseo, New York 14454, U.S.A. Receipt will be acknowledged with a special verification as well as in an eventual publication summary. Return postage or IRCs would be appreciated if airmail reply is desired."

In regard to a "quantitative measurement of signal strength", Dr. Meisel says that S-meter units are O.K. at about 2 to 3 minute intervals. Some sort of calibration, say S9 is about equal to 100 uV, is helpful, but not necessary. (If you tell Dr. Meisel your receiver model, he should be able to evaluate your S-meter results-ed).

Owners of more expensive receivers may have data on their S-meter sensitivity, however the following information may be of interest to owners of the Realistic DX-150/A/B/C and the DX-160 series receivers. According to an article in the November 1972 issue of Popular Electronics magazine, the DX-150B registers S-9 with an input of 3.1 uV at 11.5 MHz. This evaluation was done by Hirsch-Houck Laboratories. Other models in this series should have similar response. Now, fellow Realistic owners, you know why the needle pins on every noise pulse!

The greater the number of people who take part in this research, the greater the accuracy and usefulness of the results of the research. I hope to be able to report the results of the analyzed data when it is published. Meanwhile, do not forget to mark these dates on your calendar: 22, 23, and 24 October, 1976.

Martin Mark also adds: If I am not mistaken, the Radio Australia site which Dr. Meisel lists as Lyndhurst for 15190 kHz is actually the new transmitter at Carnarvon. The power, according to Dr. Meisel's letter, is 250 kW, and I do not believe that Lyndhurst has any 250 kW transmitters.

In regard to antenna polarization, I believe that most horizontal single-wire antennas will exhibit horizontal polarization characteristics. Resonant dipoles are always horizontally polarized, of course.

Your Shortwave Center editor suggests that as many FRENDX readers as possible co-operate with Dr. Meisel in this study.

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## BELGIUM

A CONVERSATION WITH WILLY SANDERS OF THE BELGIAN  
RADIO AND TELEVISION

by Dr. Richard E. Wood, Garden City, NY

Note: This interview was reconstructed on the basis of an informal conversation at which no notes were taken. The views are those of the speakers and not necessarily of NASWA or the BRT.

Wood: Welcome to New York, Mr. Sanders. Could you tell us exactly what is your function at BRT, and how the foreign-language services relate to the overall operations of RTB/BRT?

Sanders: I am head of International Relations for the Belgische Radio en Televisie, the Dutch-language national network, which has now assumed full responsibility for all foreign-language international broadcasting from Belgium, as the fourth network of BRT, BRT-4. I work in relations with overseas broadcasters and listeners, and handle the transcription service which distributes Belgian program material to such educational broadcasters as WNYC here in New York.

Wood: And why are you in New York at present?

Sanders: I am on my way to a Symposium on "The Future of Radio", sponsored by the Canadian Broadcasting Corporation and the European Broadcasting Union, to be held in Ottawa. It will discuss such issues as whether there will still be such a medium as radio broadcasting in 1986. Of course, it will be a bilingual colloquium, in English and French

with partial translation also in German and Spanish. On my way to Canada, I will also stop over in Detroit, which actually has the largest Belgian colony of any city in the U.S., a fact little known to most Americans.

Wood: And what future does broadcasting have in Belgium? What is happening on the domestic radio scene?

Sanders: As you know, Belgium and Holland are to share a single new longwave station, the first longwave operation in the two countries. That should improve reception from Hilversum in parts of the Netherlands where the two main mediumwave stations are at present subject to severe foreign interference at night. But it will not necessarily improve reception from Holland and Belgium in distant parts of Europe, since the transmissions are to be directional, screened toward the south, where the most powerful LW stations are already in operation (Allouis, Luxembourg, Europe No. 1, Algiers, Morocco). In foreign broadcasting, our plan is to introduce programs in Portuguese.

Wood: And the program in Portuguese, a Romance language, will be produced by the Flemish network, BRT-4?

Sanders: Yes, that is right, just like the existing English and Spanish. We hope to find an announcer whose voice will be acceptable both to Lusophone Africa and to Brazil. If we beam it to Africa, then we can use our new 250 kW transmitter. But if the broadcast is only to Brazil, we must stick to 100 kW, as our antennas for the Americas cannot be connected to our 250 kW units.

Wood: When will the Portuguese broadcast take place?

Sanders: During the half hour after our current broadcasts to Africa end, at 2200 GMT. That is the peak listening hour in Brazil.

Wood: Could you explain how the BRT came to take over the foreign-language services, when their closure was threatened?

Sanders: The response from listeners, especially the mass of protest letters from North America in English, was so great, when the planned closure was announced, that we at the Belgische Radio en Televisie volunteered to take over all responsibilities. But we do not exclude our French-speaking colleagues from participation. For example, we kept our DX Editor, Paul Renard, who is a French-speaker. Of course, Paul is willing to speak in Flemish.

Wood: Have you moved into the new BRT/RTB building yet, or are you still on Place Eugene Flagey? Who was Eugene Flagey, anyway?

Sanders: No, we have not moved yet. Flagey was the Burgomaster of Ixelles (in Flemish, Elsene), the commune in which we are located; it is part of the agglomeration of Brussels.

Wood: I notice you gave both names for Ixelles. Do towns in Belgium still legally have two names? Is it still Mons and Bergen, Liège and Luik?

Sanders: No, each part of Belgium outside Brussels is legally monolingual. Thus it is only Mons and not Bergen; but only Antwerpen, not Anvers, only Leuven, not Louvain, etc.

Wood: When you briefly operated outside the band, on 9785 kHz, your reception was perfect. Now you are back inside again, on 9730 kHz to North America, and you are splashed by more powerful stations on adjacent frequencies, as well as troubled by co-channel interference; wouldn't you consider an out-of-band frequency, considering that BBC, to name just one station, uses several?

Sanders: No, we adhere strictly to legality; we do not wish to disturb aeronautical or maritime navigation.

Wood: Well, what about a relay, say by the CBC in Canada?

Sanders: No, we prefer to stick to our own resources. We were once offered a major relay in Africa, but we turned it down.

Wood: What interesting reception reports have you had recently?

Sanders: We had a report from a listener 200 miles north of Lima, Peru, who enjoys our weekend sports programming for Africa. Of course, he listens during his local afternoon, which would not be a convenient weekday listening time. But it is because of such good responses from Latin America that we are planning to expand coverage of Latin America, by broadcasting in Portuguese.

Wood: What is your coverage of North America?

Sanders: In practice we only cover the East Coast. Our transmitter is legally beamed to Albany, NY.

Wood: Do you plan a frequency change in September?

Sanders: That is still undecided. It will depend upon monitoring reports.

Wood: I suppose now that the BBC is using MW 1088 kHz all day you hardly need shortwave to listening to the World Service in Belgium.

Sanders: That is right. 1088 kHz booms in all day in Brussels. And at my farm out in West Flanders, I get all the BBC domestic services, as well as the commercial Radio London.

Wood: Would commercial radio work in Belgium? Radio Luxembourg does have a Flemish commercial program, mornings.

Sanders: That is a very small part of RTL's operation. No, the economy could not support a commercial radio station. The country is too small. And many of the British local commercial stations are in trouble, in view of the state of the economy.

Wood: In conclusion, do you have anything to say to shortwave listeners in America, through NASWA?

Sanders: The English broadcasts to North America were saved only through your massive support. They will only continue to serve their purpose if you write regular letters and send plenty of reception reports. Write us at the address shown in the WRTH. We are on the air to serve you, and because we believe that radio does, indeed, have a future

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## Gilfer C-10

### USER REPORT ON THE GILFER C-10 CALIBRATOR

by John M. Greene, Millbury, MA

Gilfer Associates have recently introduced a new crystal calibrator for the price of \$54.00 postpaid. It is mounted in a 4x2x6 inch white cabinet with walnut grained top and side panels. The C-10 has output signals at every 10, 25, 50, 100, and 1000 kHz from longwave to the VHF radio spectrum. These are selected by a rotary switch on the front panel. The calibrator is powered by a 9-volt battery and is connected to most receivers by a short length of phono cable (included, as is a 9-volt battery).

The calibrator also has a gating circuit which pulses the output signals at a rate of 3 times per second. This enables the DXer to positively identify the C-10's signals and prevent confusion with blank carriers from broadcast stations on the air.

The C-10 also has special circuits to prevent the breakthrough of unwanted harmonics when only one harmonic output signal is wanted.

It is possible to increase the output strength by shorting out a capacitor inside the cabinet. This will increase the output by 18 dB.

I have found the C-10 to work very well with my DX-160. In under one month, I have been able to make out 100% more accurate frequency charts. However, I have noticed one problem. When using the 1000 kHz harmonic, there is an image 90 kHz above and below the true signal. Be sure to check for this in your receiver.

The Gilfer C-10 calibrator is well suited for receivers without direct frequency readout. The 10 kHz signal will allow you to almost pinpoint any SWBC station and help prevent the usual, inaccurate approximating of frequencies.

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## Mailbag

Below are some short items received recently

Marlin A. Field, Hillsdale, MI writes: All DXers at some time or another have no desire or need for their QSLs, pennants, etc. Is there - or should there be established - a center at some library where they might be donated or willed? (Editors note- A lot of old timers have beautiful collections of QSLs from the early days of radio. These ought to be preserved. Are their any Libraries dedicated to preservation of historical documents relating to radio or communications history that would be interested?)

David Hass, Woodcliff Lake NJ writes to suggest a new section for Shortwave Center for beginners. This would contain tips and information of special interest to the new DXer. I would be happy to put such in SWC, but someone out there is going to have to submit the tips. Anyway, David provided the following:

### BEGINNERS PATCH

Best Bets: Israel; most of you have heard Israel and have received a QSL from them. Looking at past log reports, I see that the most widely heard frequency is 9815 kHz. There are other frequencies you can try at 200-2030 GMT. These include 11645, 9435, and

9009 kHz. At 2230 you could try for 12045, 9435, and 11625.

Uganda; October and November are good months to try for this one. You have to monitor the frequency of 9730 for many days to get Uganda. The time is from 2030 to 2055. It is best to listen at the end of the broadcast.

QSL Hint: When you send for a QSL from a country that usually does not answer its mail, try sending a separate report form and a long letter. A few postcards stuck in would not hurt. And always be very friendly.

(Editors note: If the above strikes a friendly chord, and the material is forthcoming, we can make Beginners Patch a monthly feature.)

(Another Editors note: Your editor is in a poor position to talk about spelling, but Israel is spelled Israel and not Isreal as has appeared in FRENDX at times.)

David S. Orem, Chevy Chase, MD reports: In the July issue of FRENDX, I noticed your comment about Albert Pikes indoor antenna and decided to build one myself. I used a cardboard tube, as you suggested, although plastic tubes can be obtained from stores that handle gutters and downspout supplies. I cut a 6 foot section of 4 inch diameter carpet tube and drew a straight line down the length of the tube. I then marked off 2 inch spaces along the length of the line with a felt tip marker. I used bare copper wire, and taped the end to the tube with masking tape, and fed the wire onto the turning tube while my assistant turned it by hand. The wire was wound on so that it crossed a 2 inch tic mark at each turn. After 10 turns or so, we would stop and tape the coils to the tube so that they would not unwind if the slack was too great. This procedure produced the described 36 turns with something close to even spacing and relatively little effort.

Up to the attic then, and I shoved it horizontally among the rafters in an out-of-the-way location, disconnected the lead to my not-so-long single wire antenna, and hooked it up. It works just fine. Superior reception in all categories and on all bands. My compliments to Mr. Pike, and to NASWA for reprinting his letter. (Also the Brooklyn DX Club)

Ed Shaw, Lexington KY suggested the reprinting of the following item by Doug Benson that appeared in FRENDX way back in April 1967. It is called:

#### PROFILE OF A DXER

He gets up at 3 a.m., stays up till 6, goes to bed at 7 and off to work at 9. He endures caustic comments from his wife, insults from his neighbors, who are certain his set somehow caused last night's TV blackout. He subscribes to NASWA, NNRC, ASWLC, CIDXC, PE, EI, yet needs a pair of shoes.

The bank refused his a new car loan, but Sears Roebuck OK'ed his credit for a new receiver. He gripes about the QRM on the bands, but can always pull in a new one out of it. His kids sometimes get on his nerves, but he can sit for an hour trying to hear a station through WAR. He can't wait for his wife to get out of the beauty parlor, but figures four months a proper time for a QSL to arrive.

He is late to the movies, but warms up his set an hour before sign-on. He can't thread a needle, but has the magic touch on the bandspread knob. He is scared of heights, but climbed a 50 foot tree last summer to put up a new antenna. He can't carry on a conversation about English verbs, but knows the ID of every station in the world. He is tone deaf to all but interval signals. He types 20 words a minute, but can dash off a report in ten. He doesn't know the Sahara from the Gobi, but astounds his friends rattling off the capitals of every country in the World.

Mathematics beats him, but he knows all the frequencies of all the major stations. When he goes to bed he can't remember his kids' birthdays, nor his wife's anniversary party, but knows that Ramadan starts in the morning.

He's a DXER!

(The above is a reminder of the days when Sears did sell ham type receivers—editors note)

Speaking of receivers, Sony took a full page ad in the 26 July issue of U.S. News and World Report to feature the new model CRF-320 Horizon Master Portable Shortwave Radio. The SUPER PORTABLE might be a better name. We hope to have an operators report soon on this unique receiver, but for this month, Henry Rockwood, St. Clairsville, OH, notes that among the receivers features are:

Synthesized dual conversion operation

Range 0-30 MHz plus FM with separate tuning controls for LW/MW, SW, and FM

Shortwave tuning - MHz selection via 2 notched selectors, first 0, 10, 20 MHz, and

the second 0-9 MHz. KHz selection via rotating cylinder calibrated to 2 kHz. Selected frequency appears on a 5 digit LED display to 1 kHz, accuracy claimed to 1 kHz. There is a separate control for adjusting the kHz scale (zero-beat??)

Selectivity includes a normal AM, a narrow AM, LSB, USB, CW (values not given)

Additional features: Noise blanker, antenna trimmer, RF gain control, quartz crystal clock ( $\pm 10$  sec accuracy), Automatic Monitoring, turns receiver and monitoring recorder on at desired time for a period of 100 minutes), also an S-meter. Solid state with 19 IC, 80 transistors, 5 crystals, power from AC, 8 "D" cells, or optional 12 V car battery. 1 "D" cell needed for clock also. Price: Not mentioned but assume dream category for most DXers.

James A. Conrad, Waterloo IA, writes to comment on the use of compatible SSB for SWCB. "I could not agree more with the article. Any amateur operator who has used SSB knows the inherent advantages of SSB over AM. It sticks in my head that Radio Portugal uses a form of SSB (I think Independent Sideband, ISB). Does anyone have trouble hearing their 100 kW unit on 6025 at 0200? I often get them better than BBC on 5975 which uses 250 kW.

Other advantages not stated in the article are as follows: 1. The effective radiated power (ERP) is doubled with the use of SSB. So a 300 kW tx with an antenna gain of 22 dB which normally has an ERP of around 50 MW would have an ERP of 100 MW, without any more power from the tx. I don't know about you, but I am sick and tired of seeing all of these new 500 kW and 600 kW units being put on the air, it simply is not needed, especially if a new mode of tx is developed. 2. Fading is greatly reduced. Listen to ham operators with their punny kW units on SSB. Granted the ham bands are badly congested, but just check out how greatly reduced fading is on SSB. It stands to reason that fading would be reduced, since all of the power is being put into one sideband. 3. Audio quality is actually improved! Perhaps there is some loss in bass response on SSB, but the only stations with much serious programming (classical) is RS Rodina and Mayak. In my opinion music programs would be enhanced simply because fading is reduced. It really does not make any difference if the audio quality is near Hi-Fi quality when the signal fades so badly (editors note-or is QRMed by slop from a 500 kW tx 5 kHz away) that you decide to watch TV instead.

I realize that it would take several years for all stations to convert . . . however I think the idea is a definite step in the right direction. . . . I will be greatly pleased and surprised if such a proposal is accepted, since logic and common sense have not really been the bywords in international broadcasting."

(Another note from the editor. Even if CSB (compatible sideband) is not used, the expansion of the SW bands with enforced 7.5 to 10 kHz separations would do wonders for reception. There is no way that stations 5 kHz apart can help but interfere with each other and such interference is beyond the capability of any normal receiver to eliminate.

Gary T. Carlson of Sterling Heights, MI, sends the following QSL mounting tip:

"I have given great thought to the subject of displaying my QSLs and certificates on the shortwave hobby. Taping them to the wall causes it to be permanent and thumb tacks present the problem of a hole. My solution is to use the gummed Photo mounting corners normally used to mount photographs in albums. The use of the corner mounts makes it easy to remove and return the QSL to its mounting and nothing is permanently attached to the QSL. They do not show very much and are cheap.

(Yet another note from your old editor—This is the system that your editor uses and recom I have heard of transparent corners, but have never found any and so I use white corners. I also buy plastic page protectors for mounting. These consist of a black heavy paper center sheet (8½ x 11 size) and a sheet of plastic on both sides. The plastic easily opens for access to the mounting sheet. The whole contraption is punched for a three-ring binder. The QSL is mounted to the mounting sheet with the photo mounting corners and the plastic cover protects it. The sheets are mounted in notebooks. If you only put QSLs from one continent on a sheet, you can later re-organize the sheets into a continent file without remounting any QSLs. Letters can also be easily mounted if one side is slightly folded under to clear the mounting holes. Letters may need a small piece of tape applied to keep them from sliding out. Use magic tape, not cellophane tape. Usually two QSLs can be fitted per side. Since most QSLs are two sided, do not put them in albums that require one side to be glued or stuck to a surface permanently.)

A few issues ago your SWC editor mentioned an article on cycles in solar activity that concluded that from 1645 to 1715, the sun was not engaging in prominent sunspot cycles as it has in the past couple of hundred years. This article is called "The Maunder Minimum" and appeared in the 18 June 1976 issue of Science (v. 192, no. 4245, p. 1189). Some of you might want to read this interesting article. The documentation supports a major change in the type and nature of solar activity about 1715 AD. The earlier period of low solar activity is of unknown length but is believed to extend as far as 1100 AD. From a radio broadcast point of view, even low solar activity is enough to ionize the upper atmosphere enough to permit the refraction of radiowaves and D-layer absorption. In the absence of the 27 day cycles would make radio transmission more predictable and the likelihood of SW fadeouts (and enhanced reception too) much less.

## RECORDING PROPAGATION CONDITIONS

David Snyder, Brooklyn NY  
Editor of the Brooklyn DX Club

## Recording Propagation

Using my own loggings and a few others, I have developed a system for relating reception conditions to solar activity as related to the solar flux index. The values mentioned below relate only to ECNA reception during the past few months. I need members of any club or anyone interested anywhere to write to me and tell me what, where, and when they received rare countries or noted enhanced reception. Tell me the time and date (GMT), the frequency, station, and SINPO or SIO code for that reception. Results will be published in the English Language Broadcasts, the bulletin of the Brooklyn DX Club.

To give you an example of how the chart below can be made to work, the solar flux on 9 June 1976 was 69. The chart indicates that enhanced conditions may be expected from North America on 3 MHz at 0430-0530. This is based on monitoring reports over several months. So I searched 3 MHz on 9 June at 0430 and found for example that both R. Belize and R. Cultural could be heard.

Solar Flux	Europe	S. America	Asia	Oceania	Africa	North America
120	15 MHz 1600-1630					
113	15 MHz 2300- 2330, 0000- 0030	15 MHz 2230-2300				
104	15 MHz 1800- 1830; 9 MHz 2200-2330; 6 MHz 0000- 0100		9 MHz 2200- 2300			
103	11 MHz 2300- 2330		9 MHz 2230- 2300		11 MHz 1900- 1930	
95	9 MHz 1930- 2030				11 MHz 1900- 1930	
92					3 MHz 2130- 2330	3 MHz 2300-0000
90				4 MHz 1230- 1300		
86				9 MHz 0600- 0800	3 MHz 2330- 0000	
84			11 MHz 1700- 1800			3 MHz 0000-0030, 0200-0330
83					3 MHz 2200- 2300	3 MHz 0000-0300
80		15 MHz 2100- 2200	9 MHz 2100- 2130		9 MHz 1930- 2000; 15 MHz 1700-1730	
79	9 MHz 2230- 2300		9 MHz 0230- 0300, 2100- 2130			11 MHz 0000-0030
77	15 MHz 2200- 2230 9 MHz 0000- 0200, 1830- 1900		9 MHz 0130- 0200; 7 MHz 1800-1900 11 MHz 1830- 1900		15 MHz 2030- 2200	
76.7						15 MHz 1800-1830
76	6 MHz 2300- 2330, 0000- 0100, 0230- 0300; 7 MHz 2230-2300					
75	7 MHz 0200- 0230		7 MHz 0330- 0400		15 MHz 2200- 2300; 4 MHz 0500-0515	9 MHz 1400-1430 15 MHz 2100-2330
74				9 MHz 1930- 2000	9 MHz 2030- 2130	
73	9 MHz 1500- 1530		9 MHz 2000- 2100			4 MHz 0300-0330



تجوید قرآن



## IT ALL STARTS WITH RAMADAN

By Edward SHAW

Have you ever noticed how DX bulletins fill up with more loggings and reports of QSLs during winter months? Your own receiver seems to come more alive with the occurrence of the Autumnal Equinox. That is coincidental, but there is a related reason why most established DXers wait around till later in the year for concentrated DXing. In winter, the Earth's north pole is tilted away from the sun, and so the nights are considerably longer than before. Too, the sun's rays strike our northern hemisphere in a more oblique angle, thereby reducing the density of ionization in the atmosphere. With this reduced ionization and longer periods of darkness, the short waves we all enjoy so much are much more easily transmitted to the far-flung corners of the globe.

Unrelated to the above, but accepted as a good-as-anytime starting point for the DX season is the period following Labor Day. Most years, this general time coincides with the Islamic holiday Ramadan and the Jewish Yom Kippur, both periods of fasting and atonement. As it happens, Ramadan occurs very early this year...before you get this bulletin in fact. But, during the days of these holiday periods, many Arab stations, so elusive before because of inopportune hours of operation in our daylight, are now on the air with extended schedules of broadcasting. Where before an Arab station might normally operate between 0300-1730 GMT, they may now sign-on earlier than 0300 and sign-off later than 2100 GMT; or they may stay on for 24 hours. In any case, listen for the low singing recitation of the solo Arab Muzzim as he reads from the Holy Qu'ran (Koran) unaccompanied by music. One can easily picture in his mind's eye the tall minaret silhouetted against the velvety dusk while in this tower the Muzzim calls all hearing him to prayers with soulful extolment.... Allahhhhhh Akbarrrrrr..."God is great!" One will hear this almost invariably from every Arab station in the opening moments of broadcasting.

Now what do we do? Well, let's start at an hour of the day when we have a relaxing period to listen...say, just after dinner about 7 p.m. or so. Let's try to determine where in the world the sun is just rising. During the middle of September in mid-USA sunset comes about 7 p.m. or so. At that time the sunrise terminator is along a line roughly extending nearly straight up and down the 90° east meridian - straight up and down since it is the Autumnal Equinox. Everything between us and the terminator is in darkness and therefore fair game...if it is on the air.

Unless we want to hear international broadcasts, we will have to stay on frequencies of 41 meters and below. A few home services may occasionally use 31 meter frequencies, but not many. The relatively higher 31 and 25 meter bands will not do well by night; being passed on through the tenuous night time ionization layers. So, at night let us stick to the low frequencies wherein we will find most home service broadcasts from many countries.

By 9 p.m. in mid-USA we must remember that the sunrise terminator has moved into Pakistan. By 11 p.m., the sunrise has reached the center of the Arab world and all of east Africa. By midnight, we shall only have the west Africans and Europe to hear, and even by then most of our Latin friends will have signed-off for the night. By 3 a.m. we can grab a few hours of sleep unless we have a great interest in Brazilians which will be signing on during the next hour. At 5 a.m. we have to get up again because the far Pacific Islands are all in darkness and calling to be heard, as are Australia and Indonesia. Dawn comes all too soon, and we will have to start all over again.

# NEWS-SELECTION INDEPENDENCE

## Voice of America Charter

WASHINGTON — Almost unnoticed, Congress has put into law a Voice of America charter, giving independence to writers and editors of the official U.S. overseas radio system in their selection and play of news.

President Ford signed the Foreign Relations Authorization Act on July 12, but a White House press release didn't mention that the measure gave legal sanction for the first time to the VOA charter, which previously lacked the backing of law.

MANY VOICE OF AMERICA employees now say that for the first time they have a legal basis to resist pressures from the State Department or VOA's parent organization, the U.S. Information Agency, to soften or omit news items.

The new charter requires VOA: —To be a "consistently reliable and authoritative source of news" that is "accurate, objective and comprehensive." —To "represent America, not any single segment of it," and to present a "balanced and comprehensive projection of

significant American thought and institutions."

—To present the "policies of the United States clearly and effectively," and also to "present responsible discussion and opinion on these policies."

OFFICIALS OF USIA say that the change in the VOA charter's status makes no difference in day-to-day operations. VOA's director disagrees, however.

"We will always have kibitzers and suggested guidance, and we don't object to that as long as it is enlightened. Now we have something to measure it against," Kenneth R. Giddens, assistant USIA director in charge of VOA, said in an interview.

"I think it is an immense step forward," he said. "We knew our general direction, but it never had the force of law ... so we would be protected."

REPORTERS AND editors at VOA have chafed for years under what they view as unwarranted interference in the reporting of the news, to the detriment of VOA's credibility among its listeners overseas.

Sen. Charles H. Percy, R-Ill., charged during hearings last year, for example,

that VOA was in violation of its charter by suppressing news during the last days of U.S. involvement in the Vietnam war. The charter, which was drawn up in January 1948, hadn't then been enacted into law, although the language was the same.

USIA officials said VOA editors and writers were limited then to official statements because the radio was listened to in Saigon, and other reports could have caused violence and bloodshed. Critics countered that everything that VOA was suppressing was being reported regularly by other news agencies and radios.

BY DESIGN OR by coincidence, Democratic presidential candidate Jimmy Carter's campaign issued a position paper on the issue of international broadcasting as the charter was being turned into law.

"The Voice of America ... has been entangled in a web of political restrictions imposed by the Department of State, which seriously limits its effectiveness," the Carter paper says.

Carter criticized the Ford administration for its "inability ... to appreciate the importance of an open foreign policy and a free flow of information and ideas through mass communication."

\*THE DENVER POST Sun., Aug. 1, 1976

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## Now Law

## Propagation Conditions

by Jerry A. Lineback

A SENATE AIDE said that the Foreign Relations Authorization Act gives Congress a stronger hand in dealing with situations such as the one Percy brought up in May 1975. Percy sponsored the new measure in the Senate, while Rep. Bella Abzug, D-N.Y., introduced it in the House.

"There are two natural but conflicting tendencies in the VOA — standard news judgment and a desire to conform reporting to the policy positions of the U.S. government," the Senate aide said.

"The purpose of putting the charter into law is to strengthen the tendency toward standard news judgment. When incidents do arise when news might be slanted, this will give a chance to place what has been done against a legal standard."

USIA policy officials say, however, that nothing is changed by making the VOA charter law.

"I'm not aware of any procedural difference it has made," said agency spokesman Alan Carter. "Nobody has ever gone into what 'fair, accurate and balanced' means. Most disputes are interpretive."

Solar-terrestrial conditions:

July	Flux	Geomag A	August	Flux	Geomag A
21	68	2	1	74	9
22	68	6	2	76	9
23	67	4	3	80	9
24	67	5	4	80	5
25	67	8	5	82	8
26	66	5	6	82	5
27	67	9	7	81	5
28	67	21	8	80	5
29	67	16	9	81	14
30	69	21	10	81	7
31	70	9	11	78	8

In general conditions were quiet the past month. The solar flux showed a good monthly peak 5-6 August. The next peak will be about

3 September. Recurrent geomagnetic activity peaks were noted on 29 July, the final peak of the July cycle.

A small peak was noted on 9 August, presumably the first or A-peak of the August cycle. Recurrent activity is predicted for about 23 August. Another peak may take place shortly after the next solar flux peak early in September. Long range predictions would indicate the

October solar flux cycle peaking about 30 September. Geomagnetic disturbances may take place then about 24 September and 5 October. I have heard no statement about the continuation of solar-terrestrial conditions reporting on WWV. Without it things will get sticky on predicting things in advance.

Good DX to all of you, keep the material coming-JAL.



## LETTERS TO HEADQUARTERS

Please! Include a stamp in your letter if you expect a reply from editors.

EDWARD C. SHAW, QSO EDITOR  
P.O. BOX 7053  
LEXINGTON, KENTUCKY 40502

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N-U CONVENTION IN THE BLUEGRASS. Condolances to those of you who were not able to make it! What a terrific time had by all! I had a great time and was extremely pleased to have visitors from sixteen states and Australia. We had a fine group of speakers and a superb display of new equipment. You'll read all about it in another section of FRENDX.

SWL CALL LETTERS. Craig Child of Houlton, Maine asks about registering his monitoring station and obtaining "call" letters. The "WDX" numbers one sees occasionally are the brainchild of Hank Bennett, one-time editor of Popular Electronic's SWL column, and still an officer of the Newark News Radio Club. Hank originally designed the "calls" using the letters "WPE", alluding to PE under which auspices the assignments were made to everyone applying and paying a modest fee. There is nothing official whatever about this commercial and very enterprising assignment of fictitious numbers, and so far as we know nothing illegal either. It is however, some source of satisfaction to SWLs to sport a "call" of some kind in his correspondence. One could feasibly assign himself a number similarly. NASWA has considered devising such a program for members in the past. Anyone interested in purchasing a "WDX" call may contact Hank Bennett, P.O. Box 3333, Cherry Hill New Jersey, 07583.

CAN'T GET JAPAN. Craig also complains that his northeastern U.S. QTH is far from desirable for logging Japan satisfactorily, even with his new Moseley SWL-7 antenna. Craig, I would venture that NHK would be the first to agree with you. Japan is difficult to receive well. After all, it is a great distance, and Japan does not use overwhelming nuclear-powered, supernova, multi-megawatts transmitters favored by some other major countries in getting out their signals. There are several "best" time and frequency combinations you may try. These are the current ones in use, but are expected to change this month. (Times shown in GMT, nacherly.)

2345-0045	15270	0300-0315	15105 and 9585
0100-0115	15105 and 9585	0800-0815	9505
0200-0215	15105 and 9585	1000-1030	15195 and 9585
		1700-1715	11815

DXING IN THE GOOD OLD DAYS. Sydney J. Osterman of Toronto has become reactivated in DXing after a long period of absence. His earlier days as an SWL recall Ken Boord's Radio News magazine column in the later 40's. Sydney observes that DX seemed more fun, and that QSLs came in faster in those days. He uses a DX-160 and one of the new Yaesu FRG-7's. (I was unaware that anyone had access to those yet, Sydney). Address is P.O. Box 5, Station S, Toronto, Ontario M5M-4L6 for those who would like to swap yarns about them good old days.

OFFENSIVE POWER LINE NOISE PROBLEMS. Gordon Craft, 5427 East 25th Street, Tulsa, OK 74114, commented favorably on the large type now used in FRENDX. We will continue that format. Gordon also noted he has a great amount of QRM buzz from a pole transformer in Tulsa. His overtures to the electric company have elicited little constructive response. Usually, power companies are good about such things.

(Continued from previous page)

If they refuse to remedy their faults, I'm not sure what your recourse may be short of legal channels. Perhaps if you located the particular offensive transformer by yourself using a portable AM radio to DF its location, they may find more time for you. Is Tulsa really that insensitive to the problem? Write an intelligent letter to your state's Public Service Commission. They require certain standards to be met by the various utilities.

CONGRATULATIONS to NASWA member Kim Elliott on his July wedding, but she still did not let him off to attend the N-Uvention. Tsk, tsk. We hope to see results of Kim's recent poll of NASWA members on the subject of our involvement with short wave listening.

MARTIN B. MARK of Indianapolis states: "NASWA has turned me from a mere dial spinner into a serious listener." Right on, Martin! Your remarks are typical of most NASWA members writing in.

RECEIVER MANUAL LIBRARY. NASWA would like to construct a library of operator's and technician's manuals for short wave radios most used by our members. Anyone having such owner or technician's manuals are urged to drop me a card stating what it is you have; we may need it. Perhaps we can "borrow" your copy to xerox one for the library. Please help...everyone. It is for your fellow DXers. Everyone occasionally has need for these manuals and many don't have them - many have asked for this kind of service. We especially need manuals for military surplus equipment. Technical manuals are slightly different from owner's manuals, in that the latter does not usually contain specific alignment information and have detailed stage schematics.

NOTES FROM NEWCOMERS. Welcome to Paul Granore, 452 Gavilan Place, N.W.; Albuquerque, NM 87107, age 13. Paul uses a Heathkit Mohican GC-1A and has wrapped up 30 countries in 3 months! He came to NASWA via Popular Electronics magazine. George Croy, 3010 E. Edgemere Drive, Appleton, WI 54911 uses a Yaesu FR-101S (nice!) and a fan dipole, and also does some VHF amateur work (W9MDF). An assistant principal, George speaks favorably of NASWA's handbook, "DXing According To NASWA." George Towner of 4504 North 38th Street, Arlington, VA 22207 is an attorney who particularly enjoys the BBC World Service. He uses a Heathkit SW-717 and a dipole for six bands.

VOA WILL VERIFY SITES: Latest word direct from the VOA frequency division about SWLs and transmitter sites is that, even though it will no longer identify transmitter sites over the air, except for the Philippines, they will continue to issue QSLs with locations noted on them provided the reception report specifies correctly which site was heard. All Right! That's easy enough to determine. Keep in tune with Listener's Notebook or the Log Report to check on matching frequency/time/transmitter site. See what a little stamp and a complaint can do at times?

UTILITIES ENCROACHING ON 60 METER BAND. New NASWA HOT LINE editor, John Moritz, writes in part..."I can think of no more serious problem in our hobby than the increase of utility stations on 60 meters. I have no idea what can be done, but the days of the Latin DXer are numbered if the utes continue to increase as noted over the past 2-3 years." O.K. John, let's assume that there is a problem and it will continue. You must already realize that tropical frequencies for broadcast use are not used in the temperate zone of North America. Normal 60 meter freqs are used for tropical regions and local audiences, and these are not likely to be adversely affected by the utilities on the band, especially if the utes are from very distant places. I don't enjoy them, either, but - alas - SWLs and DXers are not the intended audiences.

NEAT HEADPHONE TRICK MAY IMPROVE INTELLIGIBILITY. Headphones, as they come off the assembly line may or may not be made the same, depending on quality control and the qualitative purpose of the product. Professional communications phones are likely to have both ear pieces "in phase". Less expensive phones from popular electronics stores may be either way - "in phase" or "out of phase". In-phase means that the metal discs, being driven by small electro-magnets internally, beat together....that is they bow in and out together, like two soldiers marching in step. Out of phase means that one disc bows outward while the other bows inward - like the two soldiers again, but one of them marches right foot out while the other has his left foot out. Yet, they still step together in cadence. One way makes the signal appear as if it were confined closely inside ones head (close your eyes and listen carefully). The other way makes the signal sound more expanded filling the space all around you. The out-of-phase trick is accomplished by reversing the position of the wires going into one of the phones. Some knowledgeable DXers have expressed an increased ability to sort out DX better in the ambient noise by doing this trick. Try it!

NEW RECEIVERS SOON AVAILABLE. A whole bushel of new-generation DX machines is nearly upon us! Currently, we have on the market the earliest versions of what is to come. First we had the Barlow Wadley (still available used for \$200 from GilFer); next we had the Kenwood QR-666; then came the Drake SSR-1. There are still more to come! Yaesu's FRG-7 will be available for around \$275. It looks promising and we'll review it as soon as we can get our hooks into it. Sony's ICF-5900 promises to be a boon for casual SWLs and DXers with little \$ to spend on it - how about \$140 or so? Panasonic's COUGAR will go for about \$160. And, we have some very advance word that Zenith Corporation does not intend to be left behind and promises a pleasant surprise and some changes in their Trans-Oceanic. And, that's not all...an unattributable source also hints at the possibility of Allied's SX-190 scoring a come-back...by whom and with what modifications remains to be seen...if at all. All-in-all, the prices seem to be coming down, and frequency reading ability is getting rather good...most to within 5 KHz!! Further...there's a neat antenna tuner out by GilFer for about \$40 or so which has a cute circuit arrangement to wring the absolute most signal out of that piece of antenna! The newest idea to come along for use by SWLs is the LED gadget to provide you visual frequency readout on lighted display...to the last KHz, maybe even to one decimal place!! Can be used at present only on VFO-type receivers - not DX-160s. Stay tuned for further developments on this last one. It's expensive, though.

DIRECTIONAL ANTENNAS - USEFUL OR NOT?: Dipoles...do they work? Amateurs use them everywhere. On the one hand, we are told that dipoles are designed to pick up best from broadside for certain bands. On the other hand, we are told that short waves totally lose all directionality due to scatter off the ionosphere and we really hear signals from random points. What is correct? Your QSO editor would like to hear from experienced and knowledgeable persons on this subject. I am about ready to suggest that some directionality is available at any given hour for frequencies below 41 meters....perhaps only directionality within 120° and not sharply defined as with ground wave signals....but still enough to tell from which third of the horizon signals are arriving. A small loop I built, amplified with a small RF unit, exhibits some very definite increases in signal strength averages - some very marked differences. Comment invited. Research encouraged.

MORE ON TVI FILTERS. Quickly jumping on the article in August QSC of Hamden, CT wanted to know more about the filter Geo. Poppin described in page 6 of SWC. A TVI lo-pass is basically a couple of big coils shorted across by a couple of big capacitors. They work by nulling out unwanted signals you may be bothered with from local TV, Hams, or FM stations, among other things. Reader Plotnick evidently priced these filters and questions the difference and necessity of larger 1000 Watt filters over, say, one of 100 watts rating. Well, you want a filter with a wattage rating high enough to cover the piece of gear you are running through it. These filters are made for amateur broadcast transmitters. Naturally, they would want heftier filters to pass outgoing signals. Since Alan does no transmitting, he would have no use for big, hefty filters like the one in the August FRENDX. A smaller lo-pass filter for TVI will suffice. Also sold, are TVI line filters for installing at the electric outlet between the wall plug and offending appliance which generates noise.

MULTI-BAND PORTABLES. Sony Corporation offers a neat little booklet on getting the most out of multi-band portable radios. Has some very useful information such as antenna designs, interesting frequencies, and explains what different bands are for. Your QSO editor has on hand a bunch of these - available free for only a stamp to mail it with.

LIGHTNING ARRESTORS. They do more than just route the path of lightning away from your receiver; they also drain off excess static charge buildup on your antenna wire. A lightning arrester is merely a well-grounded wire which is placed nearly on your lead-in wire; in fact it is barely separated by a very teensy gap...enough for a lightning bolt to arc-over, but still open to let the signal thru to your receiver without being grounded out.

WIN-A-PRIZE TIME IS HERE!! Open to everyone...but, watch out..it's tricky! A neat little set of caliper earphones (used) goes to the first correctly detailed answer to..."Where is located the Earth's north magnetic pole, and why you say so?" Answers to QSO address.

NOT ENOUGH POWER SUPPLY. One NASWA member recently purchased a power supply from Fair Radio Sales in Lima, Ohio for use with his Surplus R-392 receiver. After several months use, the power transformer in the supply burned out. Upon examination, the following was discovered....the supply transformer had a schematic printed upon it which stated that the unit provided 26.4 VAC at 3.05 amps before rectifying into DC current. This is a potential of a maximum of 79.2 watts. After rectification, the power supply offered 24 VDC at about 3 amps to provide 72 watts of power. Examination of the specifications of the R-392 revealed that the circuit nominally required 28 VDC at 3 amps....that is, 84 watts. Too much power was being extracted from the power supply which gave only 72 watts. Naturally, something had to give after awhile....and, it did....the power transformer. Save yourself some later headaches! Make sure any purchased power supply is well over the requirements needed by your equipment. In this case, a few watts too many caused a very high temperature which finally caused the transformer to fail.

HELPING HAND: For sale. Am being transferred, and wish to sell a few items Hammarlund HQ-129X receiver in fair condition, needs alignment and possibly tune-up \$100.00....Hammarlund HQ-150 receiver in fair condition, needs alignment and possibly tune-up \$100.00.....Barlow Wadley XCR-30 with manual and batteries. Reads 2.5 to 5.0 kHz off \$250.00.....Heathkit GD125 Q-Multiplier with manual, never used, built 1970 \$10.00. All prices include shipping via UPS. Write first w/SASE or SAS postcard. Will consider offers below stated price. Contact Mike Hardester, P.O. Box 8174, San Diego, CA 92102

# Listener's

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



# Notebook

**PROPER CREDIT** Other clubs & broadcasters may use material from LN provided due credit is rendered to the original reporter and NASWA. BBC Monitoring Service items are copyright & may not be further reproduced without permission. Times & dates GMT month/day; freqs kHz.

**ZAIRE** QSL from Voice of Zaire lists Kinshasa 15245 100kw and 7115 10 kw; Bandundu 7255 10 kw; Kisangani 7865 kHz 49.03m 100 kw; Lubumbashi 11865 100 kw (James Mulvey, Seaford NY) Raises more questions than it answers: Does the listing of only a few regional stations mean that these are used in the international service? Is 7865 correct? Metric equivalent is 6120 kHz, tho WRTH lists 6085 (gh) **YEMEN SOUTH; YEMEN NORTH; LN-8**

**VIETNAM** VOV-Viet Bac is on 6917 ex-6905v; //4105 at \*1125-1430\* ID as "Day la Tieng noi Vietnam, dai Phat-thanh Viet Bac" (Isao Ugusa, Kobe, Japan. 8/10) Quang Ninh Provincial R. has news and music at 2330-2400 and 1200-1230 on 4705. Saigon announces as "Liberation R. broadcasting from Ho Chi Minh City of the Socialist Republic of Vietnam" (BBCMS 8/5)

**VENEZUELA** Ecos del Torbes celebrated 11th anniversary 8/9 with "Happy Birthday" by staffers at 0404; stayed on past 0430 (Pitt McNeil, Washington DC) 4980; see "DX Calendar" (gh) On 4880, R. Universo's frequency, 6/6 0000-0020 only heard IDs for R. Yaracuy; R. Universo back on 6/7 (Kaj Bredahl Jørgensen, Denmark, DSWCI) The two stations are both owned by Hermanos Segura, per FBIS; you would not know this by consulting WRTVH; score one for CIA, hl (gh) R. Nacional's International Service includes Portuguese 0400-0500, Arabic 1300-1400, French 1800-1900, Spanish 2100-2200, English 2200-2300; at other times, HS relay; Mon-Fri only on 6170 and 15390 (Thomas Drescher, Zülpich, GFR, SCDX 8/10) Actually on 15400 or 15490 (gh)

**USA** (Following a visit to Dixon and Delano, David Mackes, Baltimore MD called in this report, 8/21:) West-coast AFRTS xmsns have been switched from Delano to Dixon (making AFRTS-Dixon a 'new station', if you count that way -gh) due to construction at Delano, where new high gain curtain antennas are being built, feedlines replaced. BBC Spanish is now via Delano; the signal is picked up at Greenville and fed by landline, or satellite if available. They play the interval signal at Delano. (freqs are 9680 and 6010 0215-0415; one of them was supposedly Dixon -gh) Both DX and DL are now fed by Westar satellite, with landline reserve; each has three hifi, to 8000 Hz circuits available; AFRTS still uses landline. I had the impression DL was sticking in local IDs; its manager is an SWL. Dixon also gets more use because its power sources, Reclamation and PG&E, cost about half that of Delano, from the L.A. grid. Also drove by KGEI and saw they use rhombics. # Quechua, or Kechwa, is being used for the first time, to my knowledge, by an American station (aside from HCJB, hl); KGEI noted 8/4 0116 on 15355 closing Quechua program to Bolivia, into Spanish (gh) more VOA LN-8

**UNIDENTIFIED** My unID on 2380 definitely is Radio Cultura, not Cordillera (Steven Greenyer Invercargill NZ, 8/5) around 0400; time in GMT -6 zone; also an unID Lam at 0500 on 2240 (Greenyer, NZ DX Times 6/76) Varies 15163½-15164½ irreg. 2300-0040 Naf/ME mx, Arabic talk, sometimes poor modulation; unthink Syria; Algeria? (Pitt McNeil, DC)

**TIMOR** Monitored skeds: 3550, R. Dili 0950-1505 (Sat 1605); 3850 unID pro-Indo like 3550, 0950-1403 (Sat 1503), both in Indo and Port; 3805 R. Maubele (Fretelin) 0930-1125 Wed/Fri/Sun only in Port and English (Robert Hanner, Vic., and an N.T. DXer, via RA DX 8/15 via gh)

**THAILAND** Bangkok 9655 opening 0900 w/Thai, apparent HS, ex \*0930 (Bob Padula, Vic., 8/16)

**TANZANIA** Nat'l Svc on 9685 ex-9550 \*0700 past 1500 (Colin Miller, NZ DX Times 6/76)

**TAIWAN** VOFc rearranged: 11915/11860 Std. Chinese 0000-0030; Korean \*2230-2330\* now 15270; Cantonese 17800 0200-0300\* (Bob Padula, Vic.) New 17800 \*1100 Indo, 1200 Chinese (Ugusa)

**SWEDEN** A 30 kw SSB xmt'r is testing from Hörby in-band; mainly for Swedish ships, embassies, companies overseas, HS Program-1, except Foreign Service 0900-1400; 0500 (Sat/Sun 0630)-0800 17735; 0900-1400 21670; 1400-1800 17775; 1800-2130 17790 (SCDX 8/17 via gh)

**SPAIN** 14210, 2 x 7105 with IS, anthem 6/7 1056, SINPO 23442 (Willi Bernok, Germany, DSWCI) Observed RTVE sked to Ams in Spanish, differing from announced, as of late July, maybe out of date after 9/5; 2300-0100 15365 15125 11945 11775 9520 9360; 0100-0300 15365 15125 11965 11775 9630 9360; 0300-0500 15365 11965 9630 9360; 15365 is via Tenerife (John Wegener, Godfrey IL) I heard Tenerife on 15355 8/4 0122, terrible wavering het with KGEI! (gh)

**SOUTH AFRICA** A mid-season new freq for R RSA was 9660, Port 1900, French 2000 (BBCMS 7/29)

**SICILY** (Of Aug LN2/3) Times specified on QSLs were all GMT, not CET/CEDT (Ed Insinger, NJ)

**SEYCHELLES** FEBA on 15185 ex-15270 \*0413 to Eaf; unfound on 25m, even 11810 0415 (McNeil, DC)

**RFSFR ASIATIC** Yuzhno-Sakhalinsk HS on 4050 is on USB \*1858 (JADX via RA DX 8/1 via gh)

**PORTUGAL** RDP new 21750 Port to Macao/Timor/Australia 1100-1200 // 21735 21700. (BBCMS 7/29)  
 2030-2100 Port to Guinea-Bissau/Cabo Verde also on 17880 15340, only 15125 anc'd (BBCMS 8/5)

**PERU** 4853, new R. Oriente, nominal 4855, OGY4X (Jan Tunér, RN 8/12) tho listed in WRVH76  
 (gh) 4955. R. Cultural Amauta, hrd almost daily to 0200\*; nice clear IDs on hour and ½ hour  
 R. Madre de Dios C. 4922 157\* (Tony Jones, Asunción. Paraguay, 8/11) Jones' 3285 stn is  
 Rdif. del Centro, ex-LV del Valle de Mantaro, on 3387.1 (Stig Adolfsson, Sweden) (Huaqui, W.  
 Perry, Kenosha WI, visited Perú recently; gh excerpts some of his comments from NU 8/7:)  
 Official spelling is Cusco (in Quechua, AW-zhak-ho), SW activity hotbed, tho many of the sta-  
 tions are not being heard here. R. Tawantinsuyo, 6175 (name means 'four suyos'; suyos were  
 divisions of the Inca empire); is in net with R. Qollasuyo, R. La Hora, R. Apurimac, R. Aba-  
 ncaoy. 6175 stn runs 5 kw at 0500-2000 local. They said R. Cusco's sked, list 6195, is  
 0600-2200 local w/considerably less power. R. Onda Imperial also visited, 5055; has 1 kw  
 at 0600-2100 local, Quechua afternoon to 1700, then "música tropical". Crazy old lady with  
 mad dog is "propietadora" de station, which she tried to make into a position of ownership  
 but which turned out to be more janitorial in nature. Stn doesn't play much campesino type  
 mx (don't call it Andean, that means as much to them as calling something, say, California  
 music would mean to us!). Antennas, like Tawantinsuyo, are on mountain rim high above val-  
 ley town. They had some superb reports from Scandinavian DXers Bjorkerling and Timkanen.

**PAPUA NEW GUINEA** NBC stns have been closing at 1200\* ex-1300, but advanced s/on to \*1900,  
 ex-2000. R. Milne Bay is among strongest, 3360, \*1845 with test C&W mx; 1900 anmt gave sked  
 as 1900-2200, and new mid-day xmsn on 6040; other stns heard at 1900 are 2340 2410 2450 2468  
 3220 3245 3290 3305 3322 3335 3385 (Arthur Gushen, Invercargill NZ)

**PAKISTAN** to 11670 at 2130, moved down, now out from under Caracas ute, real good (McNeil, DG)

**MALTA** IBRA via Malta now on 6055 sked includes Greenlandish Sun 2100-2115; Esperanto Tue  
 2030-2045; new address Box 396, S-101 25 Stockholm, Sweden (Robert Beaudoin, W1FCN, CT)

**MALI** QSL shows new sked for French, vernaculars: On 4783 4835 5995 0600-0800, 1800-2400 D.  
 exc. Sun; 7110 7285 9635 11960 0800-1200 Fri/Sun, 1200-1400 D.; 1400-1800 Fri/Sat/Sun (Rob-  
 ert Hamner, S. Gaultfield, Vic., via RA DX 7/25) But 4835 is actually on 4831 (Padula, same)

**MALDIVES** 2 x 3522 mx and talks 7/19ff almost daily 1300-1500, quite strong and I first  
 wondered if it was Bhutan: On 7044 (G. Victor Goonetilleke, Colombo, Sri Lanka, UADK)

**MALAYSIA** KL rearranging ES. 9750 recently new, sked Indo 2200-2400, 0900-1600; 6175 unlist-  
 ed for external svc, replaced by 9750... 6100 also HS relay Chinese 1030-1050\*, reopens Man-  
 darin VOM 1100; 6175 1030- HS in Malay, maybe for overseas (Bob Padula, Surrey Hills, Vic.,  
 8/16) 11900 also has Mandarin 1100-1300; 6100 Thai 1315-1445; 15290 is Kuala Lumpur per ITU  
 and has Arabic 1530-1700 (Robert Jones, R. Australia DX 8/15 via gh) See also English (gh)

**LIBYA** Has run late on 6185½ past 2230 weekdays, past 2300 one Fri; lost in QRM (McNeil, DG)

**LIBERIA** (Cf Aug LN-3) Somewhat contradictory ELWA sked; add 1800-2050 11945 to W/Caf, in  
 English and 7 African languages, anyway (R. Australia DX 8/15 via gh) Something spooky about  
 12000 kHz; I have logged several Russians there, VNG, Czech (sure not 11990? gh), you hear  
 VOA, and for two days I heard a BBC Spanish pgm w/clear ID (Larry Brookwell, NNRC San Diego  
 CA 8/5) Maybe via VOA-Monrovia, maybe not; time? (gh)

**LESOTHO** still off the air; only Ecuador hrd on 4799.7 after 0400, not even a carrier on 4800.  
 kHz (Pitt McNeil) On 7/12 only, R. Lesotho was heard on 4800 during the day, for the first  
 time in nearly a year; maybe testing old 10 kw xmt, or 50 kw at low power. Except for 7/12  
 they have not been on SW since 8/75, and only in Setswana and English (Richard Ginbey, 8/3)

**LEBANON** R. Lebanon on new 11795 \*1800 Arabic to Eur/af, poor DW QRM; Spanish to S/CAM new  
 11785 \*2055, also poor, DW QRM (David Sapsford, UKUGBANI via RA DX 8/15 via gh) 7/18 anmt  
 said Spanish pgm would be on Sundays 2200-2300; but Mon 7/26 said it would be on that day,  
 same time, both 11785 (BBCMS 7/22 and 8/5) Hrd 11695 8/22-23 Arabic 2220-2302\* (Magne, PA)

**LAOS** Lao stn on new 6692 likely ex-6918/6990v. Also on new 4602, poor sig; these two carry  
 same pgms till 1400\* (Isao Ugusa, Kobe Japan, 8/10) 4603 is Lao National Radio, Xieng  
 Khouang Province, observed at \*2300-0100\*, \*0400-0600\*, \*1000-1400\*; includes pgms in Lao-  
 tian, Lao Soung; relays of Vientiane HS at 2330-0030, 0400-0500, 1100-1130, 1200-1400. ID  
 is "Sathani Vitthayou Kachaisiang Hengsat Khveng Xieng Khouang" (BBC MS 8/5)

**KUWAIT** Arabic HS, first pgm, also intended for listeners abroad: 15415 1130-1505  
 6055 0400-0735 7120 0815-1505 9650 0225-2215 15945 0815-1310 Urdu; 9555 1500-1700  
 1600-2110 9520 0400-0735 9715 1600-2110 11940 0815-1505 (BBCMS 6/76)

**KAZAKH SSR** Alma Ata's HS pgm-I observed 11950 9780 ex 9760 9590, 0000-1930 (BBCMS 7/22)

**IRAN** Voice of Iran testing past week 1330-1430 15315; anmt in Eng and Persian said was ex-  
 perimental for listeners in the sub-continent (BBCMS 7/22) Testing all over SW; noted with  
 HS 11930 at 1530 7/21; later on 7215 1530 past 1730. Iran obviously wanting to make its  
 presence felt. Don't forget that relay stn in Sri Lanka for them! (Victor Goonetilleke UADK)

**HUNGARY** 5900, RB in Hung to Nam 0330 // 6000; new (John Mainland, NZDXT 6/76) Eng too? (gh)

**HONDURAS** Several letters and clippings from Rafael Nodarse, who is not too happy with the  
 article on R. Swan I wrote in Elementary Electronics. One clipping, undated, but apparently  
 from earlier this year, tells of a bombing of R. Swan. "located in the Rio de Piedras dis-  
 trict of San Pedro Sula" which toppled the 100 meter transmitting antenna onto the station  
 building. Nodarse blamed communists. (Don Jensen, Kenosha WI, 7/24) MORE on next page...

HONDURAS (more) Other clippings reveal that Nodarse fled Cuba in the wake of the Castro takeover. He is very well connected in Honduras; his wife is from an influential family and his wife's sister's husband is a lieutenant colonel in the Honduran armed forces and a member of the Supreme Council of Defense, the real power in the country. Moreover, his brother-in-law is an ambassador in Europe. Nodarse has been called before local authorities to answer charges of CIA involvement, which he vehemently denies. R. Swan has apparently compromised by toning down its broadcasts, at least until things cool off (Jim Whitehead SPEEDX)

GUINEA LV Révolution hrd on new 7080 ± 5 kHz at 0100 (Daniel Felhendler, Gagny, France, SCDX 8/3) Wanders a lot; maybe 7125 xmtx (Lars Rydén, SCDX ed)

GREENLAND R. Norway's pgm sked says its overseas service will be relayed over Grönlands R on Sundays, for Norwegian fishermen and families in Greenland; no freqs or indication whether this would include the English pgm "Norway This Week" (Mark Baker, IL. SPEEDX-GRAM 8/15)

GERMANY WEST (Cf Aug LN-1) Re the 7265 IDs: Each night 2305-0430 the various German BC companies in the ARD present "Musik bis zum frñhen Morgen", produced by a different company each night but transmitted by all of them; hence the IDs on SWF for others (Mike Barraclough)

GALAPAGOS LVGG current sked per QSL on 4810 is 1215-1430, 2300-0400 (Robert Yeo, Doncaster, Vic., ADXN 7/76) Ditto, but heard opening w/IS at 1210 (Barry Williams, NZDXT, via Cushman)

7/17 very good 0359-0418 tune out; several nights closing 0404 past 0500 (Tuchscherer WI NU)

ENGLAND? BBC on new 6030 Port to 2115; 6160 Chinese 2130; from Britain? (Pitt McNeil, DC)

ECUADOR R. Tarqui, the listed 4970, has been around 5500 kHz, 1100-1500 only, for some time "For tuning ease of listeners"; never IDs as R. Rio Tarqui. Per phone book, there is a 5980 stn in Quito, Nueva Emisora Central y Mundo Deportivo, slogan "Ahora estamos felices porque estamos más cerca del deporte". Em. Gran Colombia, 4911, has an affiliate, La Voz de la Democracia, which is long gone from SW, listed on 6060. ECG uses NGL72 rx for off-air relays from affiliates of RCN, like R. El Mercurio 6070, CRE, Guayaquil, 4765. Also visited LV de Saquisilí, nom. 4900 but could be anywhere (customs prevented me from taking a rx along!); operates 1100-2300, a.k.a. Rdif. Libertador, "primera potencia radial de Cotopaxi", tho they claimed not to know their power (Ralphus W. Perry, Kenosha WI, via NU 8/7)

DENMARK DR's new rotatable antenna is now in use; S76 sked; in Danish (no freq, assume 15165) 0730-0815 SAa/P Gulf 1200-1245 NAm 1600-1645 NAm There is no 0730 pgm on Mondays; 0900-0945 EMed/EAF 1330-1345 Green 1730-1815 Green All non-Greenland pgms on Sunday 1102-1152 Greenland 1400-1445 WMed/Waf 1900-1945 SAa last 75 mins (R. Denmark, SCDX)

CHILE R. Calama, QSL says 1 kw, not 250w as in WRTVH; still worth having (Greener, NZ 8/5)

CHINA risks irritating ASEAN govts by its new daily propaganda BCs to SEAs, transmitted not only in Mandarin, but also in four widely spoken dialects: Cantonese, Hokkien, Hakka, Chiu Chow (Swatow). To have started 7/5; seem to contradict China's stated policy of encouraging Overseas Chinese to integrate themselves with their adopted homelands. Also out of line with national policy of popularising Mandarin, letting other dialects slowly die out. (Far Eastern Economic Review 7/16 via Isao Ugusa. Kobe, Japan) Chinese by Radio: LN-8 (gh)

CAMBODIA 8/11 1108-1125 had nice sigs 4909v-4908½ (Pitt McNeil, DC) on 6095 4000 (BEC 8/12).

BRAZIL Rdif. do Mossoró on 2340, 2 x 1170, heard frequently in Europe (Jan Tunér, RN 8/12)

11885, yes, R. Mauá is no more; hrd 8/17 1005 ID as "R. Ipanema, uma emissora Radiobrás" looks like it's been nationalized; I measured it as 11885.9 (gh)

BOTSWANA You notice 4845 gone for last couple months? I and other DC DXers have (McNeil 8/10)

BOLIVIA R. Padilla drifts badly, 3485-3494, still 2215-0200; 4140, tent. R. Em. Comarapa.

daily 2315x-0300\*, mostly mx, amts few and far between; thought to be ex-R. Municipal, ex-3460. 4701, R. Riberalta, now 1100-0330 (ex-0300); 4775, R. Trópico seems inactive past month; 4809, R. LV de la Frontera returned briefly 8/4. 8/5, not since; 4815, R. Nacional, La Paz irr. to 0300\*, seems very low powered; 4875, Cruz Sur, extended weekdays to 0230 (ex 0200) with special BEC nx at 0215; Sun unchanged. 6035, R. Panamericana \*1100, one hour later on SW tho MW remains \*1000; 9607, R. Piraí seems inactive several weeks (Tony Jones, Paraguay, 8/11 direct) 3390, R. Camargo c. 0240\*; 4965, R. Ánimas, Sun 0000\*; 4775 R. Los Andes 0100\* Sun (GMT Mon); says Mon \*1030; 5582, R. San José Sun aft xmen normally 2300-0100.

occasionally omitted entirely; 5995, R. Loyola, Sun \*1100; 6290, tent. R. Tupiza one Sun only, native to hard rock mx; not hrd since; (Jones, NU 7/24) 4775, R. Los Andes f/in 1100 w/"Escuelas Radiofónicas Loyola" not // 5995; "Acción Cultural Loyola" Suns; 6005, R. Progreso now back, same sked; 4815 R. Nacional seems 0200\* (Tony Jones, NU 8/7) QSL says current power for this is reduced to 500 watts (Jack Perolo, São Paulo, Brazil NU 8/14)

ARGENTINA R. Splendid sked 0900-0130, 2 kw ea, on 5980 9740 11880. R. Belgrano, 6090, 30kw

Mon-Fri 1000-1100, 2100-0300; Sat 2100-0330 Sun 1700-2300; 11780, 8kw, Mon-Fri 1000-1100, 1500-2100, Sat 2100-0330 Sun 1700-2300; 9760 inactive. 6090 xmtx is also used by R. Argentina, B.A., Sun 0130-0330 for boxing, 1800-2100 for fútbol; R. del Pueblo also uses it irregularly. R. El Mundo 6120, 10kw, 24h; 9710, 10kw, 0900-0100; 11755, 7½kw, 0100-0900; 15290

5kw, 24h. REM facilities also used for car races and boxing by R. Mitre; and sporadically by R. Argentina. In addition, weekly Sat pgm "Atención Antártida" originating at MW stns

R. Antártida and R. Excelsior, is carried at 0400-0530 on 5980 9740 11880; 6090 11780; 6120 11755 15290 (RAE DX program "Diximo Argentino al Mundo" 7/31 via gh)

ANTIGUA Info dated 8/5 said BBC would start in 2 or 3 weeks from here, including Portuguese

2200-0015 on 160° beam, 9765 kHz (Mike Barraclough, Letchworth, UK) ex-Ascension; v English

ANDORRA From the free radio oriented magazine "Wavelength": World Music Radio, the SW pirate which broadcast from Holland until raided by the Dutch Post Office, is to hire airtime from R. Andorra... the broadcasts start 8/28, last for a 3-month experimental period, Sats 0800-1400 on 6230; reports wanted at Box 4078, Amsterdam. # I've noted Dutch here Suns with IDs as 'R. Andorra International', I'm somewhat skeptical; could be trying to fool Dutch PO into thinking it's coming from outside Holland (Mike Barraclough, Letchworth, Eng.) The pgn is sked Sundays, in Dutch and English; is ex-5995; also French 0500-0600, 1030-1130 Mon-Sat (Rinus van Kaam, Jean-Luc Delmont, Simon Weisse, and other reporters to SODX 8/3)

ALBANIA Gjirokaster 5057 \*0353, presume early because of DST (Pitt McNeil, Washington DC)

AFGHANISTAN unID 3 slow time pipe 1330 7/11, 5 min nx Arabic-like lang on 5024 (David Foster Australia, UADX) Afgh. has 3 slow time pipe, Kabul strayed? (Goonetilleke) Skeds, LN-8 (gh)

CLAUDESTINE CRANNY ASIA Voice of the Revolutionary Party for Reunification, believed in North Korea, first heard 8/26/70, is now sked, in Korean to SK on 4552, 0300-0530, 1000-1600, 2000-2300. On 4120 also at 1000-1420; Thursday 1230-1250 segment 'to compatriots in US and other countries'. English to SK 0530-0600, 2300-2330 on 4552; MW 1135 used thruout (BBCMS 6/76) Voice of the People of Malaya, "Suara Rakyat Malaya", pro-Peking, anti-Malaysian government. first heard 5/4/76, 7080v; 2130 Cant., 2200 Malay, 2245-2315 Std. Ch.; 1200 Cant., 1230 Std. Ch., 1300-1345 Malay (BBC) (Cf Jun LN-3, Aug LN-4, 11725 mystery); G1b heard the std. VOA annt when propagation condx make it impossible to relay the regular pgn; however, every sked and updater of VOA I have don't list a VOA on 11725... Without a doubt you have heard a pirate operation inserting a VOA recorded annt. The age old pirate in Asia, (Victor Goonetilleke, UADX 7/28) A strn of the Turkish communist party can be heard on 6200 to 0840\* with "International"; not Bizim-Radio, but a new strn; strong signals in Moscow (anonymous Moscow Dkr, SODX 8/10) Hobby pirates reported in EUROPE: 6201 new, R Invictor Int'l. 6/20 1035-1105; 6230 R. Valentine drifting 7/4 1015-1100 (Kaj Bredahl Jørgensen, Denmark) 6212, R Rainbow. 1045, Norwegian/Swedish; 6220, R. Albattross, Norway?; 1059 (Willy Johannessen, Norway) 6220 R. Sovereign Int. 6/13 1015-1025; 6225 R. Caroline 6/13 1055 (Stewart Fenwick, UK) 6224 Time Radio, 5/30 0905-0933 (Finn Krone, Denmark) 6225, R. Valentine Int. 6/6 1026 (Vaclav Dosoudil, Czechoslovakia; all these reports from DSWG) AFRICA "Voice of Free Africa" on 996 to Mozambique in Port and vernacs 1800-1900; no QTH given; hits Freilino atrocities; not on air before or afterwards, but Rhodesia happens to have a 100kw xtr on that freq (BBCMS 7/29) Voice of Namibia via Congo 15190 has vern 1740, 1745 into Afrikaners attacking SAF. Vorster, praising SWAPO; 1755 English ID as on Mon/Wed/Fri 1730-1800 African tone (Pitt McNeil) GMT? (gh) USA Illegal hammer 3883 7/30 0347 Emmy Lou Harris album. OG; full AM, great audio, WB4ZBR?; another one 3973 8/6 0410 jazz/rock 54455 sigs, gone 0433, full AM. same guy? (Pitt McNeil)

FUTURE PLANS DIEGO GARCIA USIS denied report in an Indian newspaper that it is planning to build a new powerful VOA xtr on this remote Indian Ocean Island; a spokesman said there was not enough room on the new U.S. base to build the clusters of transmitters that would be needed. VOA's Ceylon relay is weak in northern India and often drowned out by R. Moscow. An agreement with Ceylon prohibits the VOA from increasing the power of its transmitter. (Variety item 4/20 "No Message From Garcia", via gh)

ECUADOR Emisora Gran Colombia should soon be better heard, within 3 months of my visit, as the antennas are moved to the top of Pichincha volcano, high above Quito; 4911 (Perry) HGJB steerable antenna facts: 49, 31, 25, 19, 16m; 19 db gain at 49m; 25 db at 16; azimuth beam width 30° @ 49m @ 15° @ 16; elevation beam width 14° to 7°. Azimuth beam direction variable from 310 to 70°; can handle up to 4 programs at once, each on two freqs. in 4 different directions; can handle four 500kW xtrs at once, plus additional 100kW; covers 15 acres; requires 8 miles of #10 copper wire for ground system; cost \$50000, target 6/77 (HGJB Engineering Dept 11/3/75 via Bruce Lavery, Atlanta GA)

● GERMANY WEST Something strange happening in Cologne. During the past few weeks, the familiar voices of Kathleen Lawson (née Warner), Jerry Gerber and Larry Wayne have been heard on the YOG; requesting listeners to write in comments on program length and content. My guess is to watch for DW to extend the length of their English program to NAM. Did Walter Steigler resign as Intendant? (Richard N. Allen, nr Billings OK, 8/8)

NEPAL On 7/5 the Katmandu paper "The Rising Nepal" carried a govt notice from the Dept. of Broadcasting, R. Nepal, requesting tenders for the supply and installation of a wide-band aerial for a 100 kw broadcast transmitter (BBC MS 7/22)

OMAN Re the new BBC SW relay site, 'legally' the name is Al Masira in English, without the -h. Marconi says the antennas will be typical R9000, high gain array of horizontal dipoles in a vertical plane in front of a reflecting screen; dipoles fan-shaped, thus limiting the bandwidth to 21c. I assume will be toward India, reversing to Persian Gulf (Perry Ferrell)

PARAGUAY (Cf Aug LN-4) LV del Amambay's 49mb xtr believed already under construction, and will operate on a freq below 6000 kHz (Tony Jones, 8/11) That narrows it down (gh)

PHILIPPINES/RUKYU Rumors around USIA are that Philippines VOA operations will expand on MW and SW due to the loss of Okinawa, which, however, is still on the air (David Mackes, MD)

RWANDA There are plans to add a third 250kw unit at Kigali, but this has so far been hampered by electricity supply problems (ASWLK via NZDX6/76) BRAZIL (late. oops) R Cultura de Rio Verde licenced for tropical band strn in MT state; R. Itatiaia license 10-yr extend (BBC)

**BROADCASTS IN ENGLISH** ANDORRA See LN-4 (gh) ALGERIA LN-8; ANTIGUA LN-8  
ANTIGUA Info dated 8/5 says BBC WS transmissions from here would start in '2 or 3 weeks', 2000-2115 on 6195, 160/3400; 1100-1330 same; 0430-0730 on 6175, 290° (Mike Barracough, Letchworth, England) Beware; Sackville -0430 on 6175.

AUSTRIA Der Österreichische Bundesheer-Schulungssender on 6221 has a pop music pgm in English 1800-1830 with DJ Robby Nash from London; seems regular one Monday in middle of each month, but exact sked not known (Manfred Schida, Vienna, SCDX 8/3) BHUTAN LN-8

BANGLADESH Amnt hrd on 15269½ during 1230-1300 pgm said 1815-1915 is now on 9550 11970, but neither freq hrd here; 5/23 (Martien Groot, P. Lok, Benelux DX Club) CANADA: LN-8

BRAZIL RNB now back on 11780 ex-11795 for 2100, first noted 8/9; also Port 1900, German 2000 (John Wegener, Godfrey IL) Actually it was back on 11780 before the QRL went to press (gh)

CHINA Broadcasts from Foochow to Quemoy & Matsu, in Std. Chinese 2100-2130 on 2340 2200; 0000-0030 7165 5040 4975; 0500-0530 same; 0830-0850 (not Sun) same; in Amoy 0130-0200 2340 and 2200; 1500-1530 7165 5040 4975; in both langs 1400-1430 on 2340 2200; also on 13 MW(BBC)

DENMARK Copenhagen hrd on 15165 English 0730-0815; also heard at 2045 (Arthur Cushen) So they have broken their Danish-only restriction, or just Eng IDs at ends? (gh) /Oops, CHINA

ECUADOR Add 11845 for HCJB 1900-2030 (HCJB 7/22 via David Snyder, Brooklyn NY) /above not Eng

ETHIOPIA R Ethiopia regularly afternoons on 9604, 1500-1530 (Mike Barracough, England)

FALKLAND ISLANDS 2370, FIBS fairly regular to 0200\* weekdays; relay BBCWS 0000-0030; Sunday closes at 0100\* (Tony Jones, Paraguay, 8/11 direct) 7/4 BBC relay 0009-0145; why not relay world news at 0000? (Jones, NU 7/24)

HUNGARY R Budapest 15220 at 0203, big signal--this freq isn't 15kw anytime anymore (Pitt McNeill, Washington DC) Maybe, but I think your power level inferences are not taking into account sufficiently propagation variations (gh)

ISRAEL IBA S76, major xmtrs to Nam u.o.s., 1200-1230 15100 15485 17685; WEU 11655, As 15465. 2000-2030 7412½ 9815; Waf 9425, Saf 9009; 2230-2300 7412½ 9815 11625; SEUSA/Carib 9435. 0500-0515 5900 7412½ 9815; ANZ 12045 (Larry Magne, Cheltenham PA)

JORDAN Pgm one hour earlier due to DST, on 9560 1400-1630 (Martien Groot, BDXC) See Syria.

KOREA NORTH RP on new 7203, 9768 1000-1100 ex-9420; also on 9420 at 2000 (Arthur Cushen) RP sent a sked by carbon copy expanding that in Aug LN-6; to SEAs 2300-2400 15630 11535; 1200-1400 9769 7580 9510; to LAAs 1000-1100 9768 7203; may be just partial. 9769 and 9768 freqs were listed as such (Tom Overcamp, Seneca SC) KOREA S New to Eu 1330 11860 9635 (BBC)

KOREA SOUTH R Korea's sked changes again; to NAM 0000, 1000, 1530, 1800; to Eur 0200, 1130. 1330, 2000; for SEAs, 2300; ea. 30 min. on 7150 9600 11860 (6 SCDX reporters, 8/10)

KUWAIT RK 0500-0800 E/SEAs 15345; 1700-2000 Europe 11845 9555 (BBCMS 6/76)

LATVIAN SSR R. Moscow SAaM svc 12020 2200-0400 May-July was via Riga, per QSL; off since 8/1 (Roger Legge, McLean VA 8/10) But where was it via really? Hi (gh)

LEBANON Christian-controlled "Voice of Lebanon" on 6580 has English news 1600 (Berd Bluman, Tel Aviv, Israel, SCDX 7/27) LESOTHO See LN-2 (gh)

MALAGASY Talata 2000-2120 to Eu 2000-2120 on 9715 ex-11730; Spanish now on 11730 (John Wegener, IL, 8/15) However, 11730 again shows on 376 sked; no changes in RN Eng here (gh)

MALAYSIA Since 6/28 9750 is // 15290 for VOM at 0625-0855 (RA DX 7/10 via gh) Replaces 6175 (David Foster, Vic., UADX 7/26; Bob Padula, Vic., direct 8/16)

MALTA IERRA has moved from 6035 back to 6055, sked as in July QRL (Bob Beaudoin, Bridgeport CT) (W. German DXer to SCDX 8/17 via gh) Suppose R Mediterranean pgm also there now (gh) DW at 0130-0150 is via both Malta and Jülich on 9565 (Roger Legge, McLean VA, 8/10)

MONGOLIA RUB sked from stn, D. exc. Sun. 1200(sic -gh)-1250 on 5960 6383; 1715-1745 on 9575 11860 (R. Australia DX 8/15) Guess this means no more 2200-2230 pgm (gh) MONTSERRAT: LN-8

NETHERLANDS RN S76 from Lopik: 1400-1520 21480 17810 15120 6045 5955 2130-2250 11730 9715 0930-1050 2660 7210 6045 5955 1830-1950 17700 11730 6020 New freqs underlined (via gh)

NETHERLANDS ANTILLES RN S76 from Bonaire, no changes, but for the record: 0200-0320 6165 0630-0750 11730 0800-0920 9715 1640-1646 Mon-Fri 17775 15190 0500-0620 6165 9715 (gh)

NEW HEBRIDES R Tanafo now on 3990, 60 watts, anc'd sked 1930-2030, 0730-0830, but heard to 0900, and has English at 0800 (Arthur Cushen, Invercargill NZ)

NEW ZEALAND RNZ replaced 15380 with 15130, 2230-0450; 9585 sked reduced to 0500-0700. SW svc will remain on all night for commentaries of the All Black rugby games in South Africa, on 6080 1045-1745, with rugby around 1330; dates include 9/4, 6, 11, 14, 18 (Cushen) v. DX

NORWAY S76 sked for 250kw xmtr only, Eng Sats only; add previous hour all days for Norwegian 0800-0830 15135 045 FE 1800-1830 11860 150 EEU/ME/EAF 0200-0230) 6180 290 N/CAM 1200-1230 6015 200 Eur 2200-2030 15175 185 Af 0400-0430) 6180 290 N/CAM 1400-1430 15345 115 Eaf/ME/India 2000-2230 15345 225 Waf/SAaM 0600-0630 11870 330 WN/CAM 1600-1630 15175 290 N/CAM/WIndies 0000-0030 9645 290 N/CAM/WI last 4 Mon GMT (BBCMS 8/5)

PAKISTAN RP 2115-2146 11672 9445 to Eu 7/27 (David Snyder, Brooklyn NY) 8/16)

PHILIPPINES FBBC reactivated 15235 to As \*2345-0100\*. sometimes \*0000-1; ex-11855 (Padula. / PBS OS svc on 6170 opens 0900, ex 1000; has HS before 0900 and 1300-1500; ITU says power is 10 kw (Robert Jones, Sydney, via R. Australia DX 8/22 via gh)

**SOMALIA** Mogadishu has English at 1215-1230 on 9585 (R. Ginbey, Vanderbiljpark, Saf, SCDX)  
**SPAIN** RTVE 8/9 2130 announced this sked to Eur: 2030-2130 9505; 2130-2230 9505 6075; may be out of date after 9/5 (John Wegener, IL) Ditto, from R. Madrid (BBCMS 7/29) since when called that? (gh) Also testing at 2030 on 9580 6100; at 2130 on 6100 (BBCMS 8/12)

**SRI LANKA** SLBC 15425 0200 BBCWS, dedications, many ads. soul/pop (Pitt McNeil, Washington)

**SWEDEN** As of 9/5, English at 2030 and French at 2100 exchange times, to end conflict with Finland's 2030 Eng; both are on 6065 11790 11830 (SCDX 8/17 via gh, interpreted by gh)

**SYRIA** R Damascus an hour earlier, at 1930 on 9544 due to DST (Martien Groot, Benelux DXC 7/76) However, last year both Jordan (qv) and Syria ended DST on 9/5 or 9/6, so now later (g)

**TAHITI** (Cf Aug LN-5) The pgm is in French but the ancr gives the song titles in English if they are English and does say "Bye bye everybody. See you next week at 4 o'clock", I have the latest one down for 8/9 at 0300, Monday GMT, not Sunday (Bob Conter, North Amherst MA)

**TIMOR** English is reported from Fretelin's R. Maubere; see LN-1 (gh)

**USA** WYFR 876 English to Americas limited to Sun 1230-1300 on 15175 15220 17730; daily 0100-0500 to Mexico on 6155 (via gh) **UGANDA** Since 8/1 RU dropped pgms, music fill (BBCMS 8/12)

**USSR** Radio Murmansk on 9655 0030 English news after R. Moscow pgm (Paul Rawdon, NZDX 6/76) No date; big news if so, but what about Kiev or Vilnius, also sked English this time? (gh) Revised R. Vilnius freqs since 8/1: 2230-2300 Sat/Sun 7165 7190 7320 7390 9685 9745; 0030-0100 Sun/Mon 7150 7165 7320 9685. Revised Euro site R. Kiev freqs to Nam since 8/1: 0030-0100 7205 9500 9600; 0300-0330 7150 7205 7390. Revised Euro site R. Moscow NA svc since 8/1, with IFRB/QSL site designations & believed actual site in parentheses: (I assume when no time given, the freq operates throughout, 2300-0030, 0100-0500 -gh)

7100 Sverdlovsk (Plovdiv, Bulgaria) 9500 Moscow (Simferopol) 0200

7165 Kiev (Nikolayev) 9600 Moscow (Simferopol) 2300-0200, 0400-0500

7250 Tula (Simferopol) 0230- 9655 Orsha (Sofia, Bulgaria) 0300

7290 Moscow (Simferopol) 0130- 9685 Moscow (Simferopol) 0030 (Roger Legge,

7320 Starobelsk? (Nikolayev) 9700 Moscow (Sofia) 0130-0400 McLean, VA)

**VIETNAM** VOV anc'd sked 7/11 on 15012; 0100-0200, 1000-1030, 1300-1330, 1600-1700, all on 15012 12035 10040; also at 1800-1900; at 1800 not heard on 12035 (W.S. Carmichael, Haywards Heath, Sussex, England, SCDX 7/27)

**ZAMBIA** RZ's ES is: 0550-0720 on Sun on 7220 (or 7230) and 11880; 1050-1215 Sun 11880 17895; 1550-2115 (Sun 1650-2015) on 6060 6165 9580; in English, vernaculars, Afrikaans, Afrikaans (Richard Ginbey, Saf, SCDX 7/27) Sked is Sun 0550-0715 on 7235 11880 17895; Sun 1050-1215 on same 3; 1550-2025 (Sun 1650-2010) on 9580 7235 6165 (ZBS via BBCMS 5/76) 11880.5 (Bryan Clark, NZDX)

## DX PROGRAMS

**MAJOR ERRORS** in last month's DX PROGRAMS HOUR BY HOUR schedule: Add Sun 0221-0228 SCDX p 9695 11705; delete SBC G programs on Sun/Mon; no such program was heard on 8/1 check. Thu 2147 two entries merged; should read: 2147-2222

RN 11730 9715; 2148- Bud w/freqs given! More updating info to follow!

**ARGENTINA** I recommend the RAE Spanish DX pgm, "DXismo Argentino al Mundo" as well-done. On 7/31 they added a propagation forecast; good summary of Arg. and LAm DX news. They plan to add DX programs in all other RAE langs including English; next is 9/11-12 (gh)

**BELGIUM** Listened for the July pgm, and it sure didn't sound like a DX pgm to me! (gh)

**CANADA** During Sept and Oct the RCI Weekend Magazine pgm will include a repeat of the 1973 Shortwave Club 8-part series on frequency management (Ian McFarland, RCI) A good trend (gh)  
 29. ANDEX CLUB: Many unbelievers are members of this club. Pray that very soon those who are in this category will realize that really, Christ is the only answer. (A Prayer Need in July-Sept HCBJ Radio LOG, via John K. Kleinerman, Cockeysville MD) **ECUADOR**

**FRANCE** TWR's Saturday DX pgm from Monte Carlo is repeated at 1600 on 7240 (R. Holmeas, DSWCI)

**GERMANY EAST** (Cf Aug LN-9) DX fortnightly hrd Tues 6/8 6/22; 8/17 0405-0412 (John Sterling, SC) Hrd 6/25/75, a GMT Wednesday. (Leonard Kay, Oceanside NY) A start; incredible that in large RFI Journal they don't devote a few column centimetres to their program sked! (gh)

**NETHERLANDS** Alfonso Montalegre is pepping up "Espacio DX-ista" with tunes and DX report tapes like DX Juke Box. I'm doing a North American report in Spanish, with different material than the English version; first one was on 8/13-14; next should be 9/17-18, give or take a week; the scheduling hasn't been set. On 8/20-21 was aired the first report from their correspondent in the Canary Islands, and I expect there will be others. DX Juke Box 9/16-17 will be a special program honouring Harry van Gelder upon his retirement. Ian McFarland of RCI will make the presentation on behalf of IAP. Harry also has received the 1976 ANARC Man of the Year International Award. Congrats & best wishes to my former DXJB 'boss' !! (gh)

**NEW ZEALAND** The Chairman of RNZ advises me that my DX World program is to be reinstated on the first Sunday of each month at 1015 GMT, on national stations, and on SW, presently 6105 (Arthur Cushman, 8/2) Too late for Sept; try Oct; welcome back! But too bad it's sked at the same time as the best ENAM reception of R. Japan's so-so DX pgm (gh) ASWLC 7/76)

**PORTUGAL** RP hrd 5/29 after 0234 with a DX pgm on 11935 (Chester R. Johnson, Alexandria IN)

**RUMANIA** Bucharest's DX pgm is aired Mon/Wed/Fri at 1930; Thu 1300 (annt hrd c. 8/7 by gh)

**SEYCHELLES** FEBA is to resume DX Postbag Sat 9/11 1240 on 15325 11870 (Goonetilleke via Junqua)

**SWEDEN** SCDX Spanish reading is very slipshod; English varies w/anacr; French always most complete, starting :10 into pgm, even spelling out names; Port. credits sketchily. Comparing notes on these to printed SCDX, it is a summary not always covering everything spoken (gh)

**DX CALENDAR**

By listening to countries/stations on anniversary dates, you may hear special programs; and you may get a special QSL by reporting them.

This new regular feature is adapted from 1975 info compiled by Cees van der Zaal for BDYC. But first, a reminder that **RAMADAN** is now in progress in the year 1396; from August 26 to Sept. 24. Wherever Islam is the predominant religion, stations often increase their skeds.

<b>September</b>	15 Salvador, Nicaragua, Honduras: Independence Day	1 Austria: ORF, 53 years
7 Brazil: Independence Day	16 Mejico: Independence Day	1 Cyprus: National Day
7 Brazil: R Mauá 31 years	18 Chile: Independence Day	1 Nigeria: Independence Day
7 Brazil: R Soc Feira de Santana, 27 yrs	22 Mali: Independence Day	2 Guinea: Republic Day
8 Malta: National Day	23 Saudi Arabia: National Day	3 S Korea: Foundation Day
8 Brazil: R Aparecida, 21 yr	<b>October</b>	9 Khmer: National Day
9 Bulgaria: Liberation Day	1 Cameroun: Reunification Day	12 Uruguay: R Carve, 48 years
15 Costa Rica, Guatemala, El	1 China: National Day	14 Malagasy: National Day
		15 Haiti: R Citadelle, 25 yrs

**PROGRAM NEWS**

**CANADA** The CBC Northern Service may have the only sked suitable for framing! Full-colour reproductions of Arctic art appear on the back of the biennial sked; ask for yours to be mailed flat. From the other side we see this summer a marked reduction in French programming on the NS, with English the gainer. A surprising move, in view of Quebec's largely successful struggle for equality. Of the 130 hours and 19 minutes the NS is on the air each week, 90:40 of them are scheduled in English, or 69.5%; the Cree Indian language has 12:15, or 9.4%; Inuktituk (Eskimo) at 21:19, 16.4%, and French, only 6:05, or 4.7%. (gh)

**EQUADOR** A generous station is R. Casa de la Cultura Ecuatoriana, 4930. Am still receiving station bulletin after reception report of almost a year ago; sked 1100-1730, 2300-0415 (P.M. Watts, Indiana, SPEEDX 8/76)

**FRANCE** Among the programs on RFI's NAM svc (in French) on 15265 and 17780 (summer freqs), 1100-1300 Treize-Quatorze, a magazine pgs; 1300-1500 Le Temps de Vivre, variety; 1500-1600 Radioscope; news on the hour; pgs are an hour later during winter (Richard Varron, ASWLC)

**ISRAEL** IBA plans a course in Hebrew by Radio in the English service. Details should now be available. This was announced on the mailbag program 8/8 (John Wegener, Godfrey IL)

**PUBLICATIONS**

**From Spanish to Portuguese** is a book pointing out specific distinctions in the patterns of the two languages, helping those who speak Spanish to use this as a basis for learning Portuguese. Perhaps this would be of value to DXers. Send a check for \$1.35 to Public Documents Distribution Center, 5801 Tabor Avenue, Philadelphia PA 19120. Ask for publication No. 044-000-01363-1 (Ed Insinger, N Plainfield)

**How to Pick a Band** is an experimental technique correlating solar flux numbers broadcast on WWV (for the rest of Sept, anyway...) with DX openings to specific parts of the world. It's available in 3 separate editions for Central, Eastern, Western USA (30¢ ea.) and for eastern Australia (50¢ by airmail). No promises are made, but it might be something interesting to play around with and see if it works for you. Order from David J. Snyder, The Brooklyn DX Club, 1137 E. 12th St., Brooklyn NY 11230. TBDCX meets 9/19 at 1 p.m., 951-6414 (Snyder)

**MW & SW Stations in the Philippines** is an illustrated listing available for 3 IRCs surface, or 5 by air frm Kimio Masumoto, 890-30, Kamigo, Totouka Yokohama, Japan (HCJB Hello DXers, 8/20 via gh) Should be pretty good if like his Taiwan list mentioned in Feb LN (gh)

**National Anthem** records: Two more old ones, maybe no longer available, are Mercury MGI-205, "National Anthems and Patriotic Airs"; and Epic LN 3220, "International Songs and Anthems", by the RAAF Central Band (Robert L. Foxworth, Mineola NY)

**INTRUDER WATCH**

QRM, repetitively pulsing, mentioned in HR Report as on ham bands and 9, 11, 15 MHz SWBC, hrd on 11715 quite strong, 50 kHz dispersion, simultaneously on 12625; BBCWRC 8/18 says from "Gomel, Ukraine" but that's in Byelorussia. 8/14 eve, bipping away (Robert Foxworth, NY) I hrd too, and another time on 9150 center; yecch(gh)

**IN QUESTIONNAIRE**

Here's your chance to sound off about LN. Please fill out both sides, clip and return to gh. Try to consider all the LNs by gh you have seen, not just the current issue. 1-want much more; 2 want some more; 3 amount of space OK as is; 4 want reduced; 5 should be dropped.

1 2 3 4 5	English quick-ref lists	1 2 3 4 5	Total FRENDX pages for LN
-----	non-Eng major BCers skeds	-----	Don't You Believe...
-----	info on impossible to hear stns	-----	In My Opinion
-----	Future Plans	-----	Ask the Editor
-----	Clandestine Granny	-----	Time Jumps
-----	info on pirates, illegal stns	-----	Publication info and reviews
-----	Broadcasts in English section	-----	BBCMS (only) MW info as filler
-----	Program News, in English	-----	Intruder Watch
-----	Program News, other langs	-----	Doghouse
-----	DX Programs, in English	-----	DX Calendar
-----	DX Programs, other langs	-----	Material from BBC MS in general

**DON'T YOU BELIEVE...**

...that everyone understands that you write in a spirit of good-natured barbed facetiousness and humor... You ought to drop the DYB section immediately, I conclude very reluctantly (Walcutt)...that Radio RSA hasn't been using 4875 at 2230 as sked; they did 8/16, unannounced (R.Wood)...that Comoro Is. off the air; heard at 1720 by Geoff Costler (Mike Willis, Victoria)freq? ...that R. Iran's main HS follows any xmtr operational plan on HF (BECMS 6/24)...that you're hearing Radio Greenland Sats 1800-1830 on 9625 11720; it's a CBC NS pgn (gh)...that "kilohertz" in Cree is "Guy Mookimij", Apr LN-10; my mistake, it's Meemikij (gh)...that my typewriter would have broken twice past 2 months--notice eekeses--if I didn't use (gh) so much, which requires four shifting operations. That more DYB's aren't being held.

**AT DEADLINE and missorts**

**AFGHANISTAN** RA HS-1 sked 7200 50kw 0130-1430; 4775 100kw 0130-0830, 1530-1740; 3390 10 kw 0130-0330, 1740-1830, in Pushtu & Dari; Baluchi & Pushtu 1430-1530 7200 4775 to Paktunistan; HS-2nd pgn on 3390 1330 Uzbek, 1345 Turkmen, 1415-1430 Baluchi (BECMS 1/76) 7/76

**ALGERIA** RA English 1900-2000 ancd on 15425 11910 9610; hrd on 11910 7245 (BECMS 8/12)

**ANTIGUA** THFBS confirms BBC sked on 6195, 2x 250kw Xmtas, one in each direction (Larry Magne)

**BRUTAN** Australian RDXC had spl pgn on NYAB 7040 1200-1300 9/1 (RA DX 8/22 via gh) or it 9/4

**CANADA** RCI English 876 changes: 0620, 0700, 0740; Dav 11720 178° ex-180; D 6125 180° ex-130 Sack 9655 ex-9680; SFac times contradict: 1000 GMT, 0400 EDT; so 0800 GMT?; 1115-1215 1517° 's 50kw @ 171° added to 9655; 5970 125kw ex-250; 1800-1857 15325 250kw 68°, ex-50kw, 97°; 2100-2157 17820 250kw 68° moves to 9625 50kw 72° (RCI via McFarland) last mixes NS again; et

**CHINA** R Peking said would begin new "Learn to Speak Chinese" series in NAm svc in English as of 8/9; Mondays, repeated Weds; write for copies of the textbook (BECMS 8/12) b4 0140 8/24

**EGYPT** 11715 added to 9625 for R Cairo to NAm French 0100, Arabic 0200-0300 (BECMS 8/12) v. of the Arabs sked: 0300-0600 9850 7050; 0800-1400 17745 17625 15475; 1500-1930 17745 15475; 1930-2430 11630 7050. Palestine Service 0600-0800 17745 17625 15475; same at 1400-1500.

Sudan Corner 0400-0555 9475; 1200-1625 15135 11915. All in Arabic (BECMS 7/76) Libya says Egypt has established four mobile jamming stations to keep Libyan radio out of Egypt (BECMS)

**MONTSERRAT** THFBS for 876 lists 6175 from here, not Antigua, with 2x 50kw senders, one d north, one due south, at 1945-0330; only 4db gain. I think this freq had been BBC via Greenville, not Sackville. BBC's THFBS registrations are very reliable (Larry Magne)

**POLAND** "A DX-club of listeners of the Polish R. NAm programs does not exist yet. If the numbr of people with such interest grows, we will gladly resort to additional forms of pleasing our regular listeners. All your suggestions concerning the activities of such a club will be of great value to us." (Lech Stanislawski, PR, to Henry Rockwood, OH, who adds:) This is our big chance! NASWAns can pass comments to me for forwarding. With enough response, and a few good ideas we can possibly arrange for a DX Club and Program that fits our needs.

**USA** Protesting something about VOA or WWV? Most Senators & Reps have toll-free phones; call info with their name at 800-555-1212 (Wayne Oliver, NH, via SPEKDX-GRAM) Almost unnoticed, Congress has put into law a VOA charter, giving independence to writers and editors in their selection and play of news. Pres. Ford signed the act 7/12. VOA employes say they now have legal basis to resist pressures from State Dept. or USIA to soften or omit news items. Dir. Kenneth R. Giddens said "I think it is an immense step forward." Jimmy Carter had criticized Ford Admn. for its "inability...to appreciate...a free flow of information..." A study commission last year recommended that VOA be reorganized along the lines of the BBC. (Richard Weintrub in Washington Post 8/1, via Tom Overcamp; and via Louisville Courier-Journal, 8/9 via Allan Courtney, Lexington KY) Wish we had space to run the entire clippings (gh)

**YEMEN NORTH** R. San'a sked in Arabic 9780 7235 4853 at 0300-0700, 1100-2015; drop 4853 at 2015-2200. Fridays 0700-1000 apx on 4853 only (BECMS 7/76)

**YEMEN SOUTH** Aden R. says "Voice of the Oman Revolution" pgn during Ramadan on 11770 will expand to 1600-1700 daily stead 1615-1700, for special Koran reading, Ramadan talk (BECMS 8/1)

- 1 2 3 4 5 (continued from other side)
- Underlining freqs, stn names
- Abbreviation
- White Space w/no page increase
- Reporter locations with names
- Material from other clubs
- Material monitored from DX pgms
- Opinions of gh throughout
- 1-freq LR-type loggings
- Background on major broadcasters
- Background on small "DX" stations
- Material originated by gh
- Reproductions of clippings
- UKOGBANI

- Yes No
- Should type be larger, if no more pages?
- Do you now subscribe to DX Hotline?
- Would you like a mid-month LN with it at no extra cost? Answer one of next two:
- Would you start taking DXH if LN added?
- Would you drop DXH midmonth if LN added?
- Did you join NASWA primarily for LN?
- Did you join NASWA despite LN?
- Would you pay more for 3oz/84p FRENDX?
- Do you prefer dates given as day/month?
- Overall, are you satisfied with LN?
- How many of 56 FRENDX pages should be LN's?

Name: (OPTIONAL)  
Please answer last 3 questions on a separate sheet and add any other suggestions. Thanks!

NASWA SURVEY RECEIVER DATA compiled by Moira & Kim Elliott

In our recent survey, NASWA members were asked to list receiver(s) used for SWL/Dx. In the table below, the left number is how many times the receiver is mentioned as a primary receiver. The middle number is the total times the rig is listed as for backup use. The first-place finish for the DX150-160 is gratifying as it shows this is not necessarily a rich man's hobby. Several receivers listed as for backup use only are not included below, including one \$6500 Collins 651S1 (hmm...). Others may use this information provided credit is given to the authors and NASWA.

Realistic DX150,150A,160	149	38 = 187	Longines Deluxe	2	- = 2
Drake SPR-4	105	10 = 115	Hallicrafters S-40A	1	5 = 6
Allied SX-190	43	16 = 59	Hallicrafters S-111	1	4 = 5
Drake SW4,SW4A	40	13 = 53	Realistic Astronaut 6	1	4 = 5
Zenith Transoceanic	31	16 = 47	Realist DX-120	1	4 = 5
Drake R4A,R4B	26	10 = 36	(various Wards portables)	1	4 = 5
Hammarlund HQ-180,180A	22	17 = 39	Hallicrafters 108	1	3 = 4
Surplus R388,390,392*	22	12 = 34	Allied R-100A	1	2 = 3
Heath SB-310,313	20	14 = 34	Hallicrafters S-41G	1	2 = 3
Barlow Wadley XCR-30	18	35 = 53	National 188	1	2 = 3
Drake SSR-1	17	4 = 21	National NC-183D	1	2 = 3
(various GE portables)	12	6 = 18	Zenith M660	1	2 = 3
(various Sony portables)	10	11 = 21	Hallicrafters 85	1	1 = 2
Heath GR-78	10	5 = 15	Hallicrafters S-43	1	1 = 2
Hammarlund SP-600	10	1 = 11	Hallicrafters S-111	1	1 = 2
Hallicrafters SX-100	9	4 = 13	Hallicrafters SX-71	1	1 = 2
Lafayette HA600A	7	6 = 13	Hammarlund HQ-140X	1	1 = 2
Hallicrafters SX-122	7	1 = 8	Heath HD-20	1	1 = 2
National HRO-500	6	7 = 13	Heath HR-10B	1	1 = 2
Galaxy R1530	6	4 = 10	Lafayette KT-230	1	1 = 2
Hallicrafters SX-130	6	1 = 7	National NC-140	1	1 = 2
Heath SW-717	5	10 = 15	National NC-173	1	1 = 2
Collins 51J4	5	2 = 7	National NC-240C	1	1 = 2
Realistic Astronaut 4	4	9 = 13	National SW-54	1	1 = 2
Grundig 6001	4	8 = 12	Panasonic RF-5000A	1	1 = 2
Allied A2515	4	5 = 9	Phillips oldies	1	1 = 2
Hammarlund HQ-160	4	3 = 7	Atlas 210X	1	- = 1
Drake 2-B	4	2 = 6	Ambassador P-785	1	- = 1
Hammarlund HQ-200	4	2 = 6	Braun T-1000	1	- = 1
(various Sears portables)	4	1 = 5	Collins 51S1	1	- = 1
(various homebrews)	4	- = 4	Collins BC-348	1	- = 1
Hallicrafters S-120	3	10 = 13	Hallicrafters 72R	1	- = 1
(miscellaneous surplus)	3	9 = 12	Hallicrafters 210	1	- = 1
Knight Star Roamer	3	7 = 10	Hallicrafters S-20R	1	- = 1
Hammarlund HQ-150	3	5 = 8	Hallicrafters SX-28	1	- = 1
Nordmende Globetraveler	3	3 = 6	Hallicrafters WR600A	1	- = 1
Hallicrafters 99	3	2 = 5	Hammarlund 110C	1	- = 1
Hallicrafters SX-28	3	2 = 5	Hammarlund BC-794	1	- = 1
National NC-190	3	1 = 4	Hammarlund BC-1004	1	- = 1
Hallicrafters SX-110	3	- = 3	Jefferson 2134	1	- = 1
Yaesu FR1015	3	- = 3	Lafayette HA-225	1	- = 1
Hallicrafters S-383	2	9 = 11	Lafayette HA-226	1	- = 1
Hammarlund HQ-100	2	7 = 9	Lafayette KT-320	1	- = 1
Heath GR-54	2	5 = 7	Military Sig. Corps AN/GRR5	1	- = 1
Hammarlund HQ-129X	2	4 = 6	Monarch HAM-2	1	- = 1
Lafayette Guardian 5500	2	4 = 6	National 88	1	- = 1
Realistic Astronaut 8	2	4 = 6	National NC-121	1	- = 1
Heath GR-64	2	3 = 5	National NC-201	1	- = 1
Midland 1054S	2	3 = 5	Panasonic RF-1700	1	- = 1
Hammarlund HQ-145A	2	2 = 4	RACAL RA17L	1	- = 1
RCA AR-88	2	2 = 4	RACAL 1772	1	- = 1
Wells Gardner BC-348Q	2	2 = 4	RCA RBC-3 surplus	1	- = 1
Panasonic RF1150	2	1 = 3	Sanyo RP-7720	1	- = 1
Aircastle portable	2	- = 2	Squires Sanders IBS	1	- = 1
Drake ISR-2	2	- = 2	Tech.Mat.Corp. GFR90RCD	1	- = 1
Kenwood QR-666	2	- = 2	Zenith 7000	1	- = 1
Lafayette HE-30	2	- = 2	Zenith AN GRR-5	1	- = 1

\*The R-388/390/392's break down as follows: 18 Collins R390A (12+6); 5 Collins R388 (3+2); 2 Hammarlund R390A (2+0); 2 Motorola R390A (0+2); and one each of the Collins 392, Imperial Electronic R390A, Stewart Warner R390A, Teledyne R390A, Veeder Root R392, Electronic Assistance R390A, and National R392 (the latter two used for backup, all others as primary receivers).

## NASWA SURVEY

compiled by Kim Andrew Elliott

NASWA members are probably curious about the results of the survey taken of the U.S. membership. Unfortunately, most of the data cannot be published until the next FRENEX. There are 101,520 bits of information from the completed questionnaires that have to be coded, keypunched, and processed, and I am a real novice at this computer programming stuff. So that's my flimsy excuse --apologies for the delay and I assure you I am as anxious to see the results as you are.

The grand total of questionnaires returned was 754, or 75.4%. It so happened that there were exactly 1,000 NASWA members in the U.S. at the time the surveys were sent out in May. Such a rate of return is unusually high in survey research, and my colleagues at the University of Minnesota are envious. I have to tell them that the key to the success of this project is the high degree of dedication on the part of the NASWA membership.

In this issue of FRENEX we will be able to present a summary of the comments several members made in the back of the questionnaire. To refresh your memories, we asked for general comments on 1) shortwave broadcasting, 2) NASWA, 3) the hobby in general, and 4) the survey itself. The response to this was a sizeable collection of interesting and diverse prose, colorfully written. Generally, the remarks dealt with the following main themes:

### Shortwave Broadcasting

- I. It could be better.
- II. Stations should identify themselves more often.
- III. Much concern about the fact that many countries have discontinued or are considering discontinuing their international broadcasts.

### The SWLing/DXing Hobby

- I. It is very satisfying and educational.
- II. Many wish there were more local contact with other DXers.
- III. There needs to be more publicity about the hobby; CB eclipses SWLing now.
- IV. Equipment selection is poor, and there is need for more distributors of equipment and for information (e.g. advertisements) about shortwave listening products.

### NASWA

- I. NASWA is the best club; FRENEX is great.
- II. FRENEX should have more features for beginners.
- III. The print is too small and hard to read, especially for the older members.
- IV. There should be more information about equipment and antenna construction (especially for apartment dwellers).
- V. Some concern about an elitist tendency within the club.

### The Survey

- I. The survey should be very useful in providing information about the activity of SWLing/DXing.
- II. Many did not see the need for anonymity.
- III. The survey should have asked what type of antenna is used.
- IV. The survey left out VOA and AFRIS, also New Zealand.
- V. Should have asked how many years a DXer.

That just about covers the state of the collective minds of NASWA members as indicated in the comments section of the survey. Below I will offer a sampling of the more piquant remarks. You will see why I had such a good time looking through the questionnaires as they would arrive at P.O. Box 14373.

On the subject of shortwave broadcasting, most everyone who had an opinion on this agreed that there is certainly room for improvement:

"I find stations with programs more than one half hour in length to be tiresome to listen to. I don't think I ever heard Radio Cairo or Radio Nederland for a complete program. One half hour seems ideal."

"There is a need for relay stations on which a station could purchase time in order"

to reach areas difficult to reach directly."

"If all stations identified as often as Radio Santa Fe, it would be pretty neat!"

"Broadcasting in general, and including shortwave, could be improved. More input from the audience and more attempts (at least!) to please us, the listeners, instead of a board of directors or political factions."

"Shortwave broadcasters could do well to use a two-pronged approach: 1) supply programming not readily available to a people in a given area, to catch a "loyal" minority," 2) compete more directly with local programming (which would be necessary in the US). Most try to do this by watering down one with the other. I heard a pretty good progressive rock program on the VOA the other day, but after its half-hour an agriculture program came on. This is too much of a shotgun approach, as neither the music-lover nor the farmer really would find it easy to sit down at exactly these brief times each week for one program. Program managers spread their air time too thinly."

"I hardly ever listen to the communist stations because it's all really garbage."

"I insist the most important change needed in station programming is to get announcers frequently to speak unrehearsedly and also to tell us about themselves."

"Many stations do not ID enough."

"Why all the high-power transmitters? 100-250 kw used to get it through fine."

"SWBC in my opinion is a very important medium and much more emphasis should be put on it. A lot of stations lately have been leaving the sw bands or are seriously thinking about it. This is a great loss to people who have been listening to those stations for years and even a greater loss to those who have never listened to shortwave. I hope you will use the information from this survey to show stations there is still a sincere group of people who listen to shortwave for pleasure and as a hobby!"

"What a boon to DXing it would be if all stations made a general practice of IDing at least once each half hour. The most frustrating experience is to listen for an hour or longer to a station which signs off abruptly without any ID whatsoever."

"SWBC program content gripes: Radio Moscow -- Here is a country massive in size, population, achievements, and power, with a wide variety of races, cultures, music, languages, lifestyles, and views, and all Radio Moscow can produce on its English Language programs is a repeat of the news events in the US (with snide communist comments) and a magazine format, question and answer program, and commentary geared to the mentality of a grammar-school student. I tune the station in the hope of hearing some intelligent discussion only to hear something like 'the Western press is responsible for the population explosion.' Considering the time, expertise, energy, and bandspace they occupy, one can only shake his head and be sadly amazed at the fantastic waste."

"If VOA is going to be all over the dial, why does it have to be such a bore?"

"Per DX programs -- the reason I say there are enough and shouldn't be more is that there are too many stations throwing anything together and calling it a DX program. I'd like to see more good DX programs."

"I think there are enough DX programs on the air, but the quality of some could be improved. For instance, Turkey's is particularly bad. The same air time but better preparation might be the answer. Or, in Turkey's case, less air time might be the answer. With a program every day, they run out of good DX tips."

"I don't think shortwave broadcasters really know what the SWL wants to hear."

"For several years I have wanted to work in broadcasting (shortwave) and hopefully at the Voice of America. After all, somebody's got to brighten up their programming!"

"I think NASWA should be taking a stand to limit the power of the superpower broadcasters. Many stations are talking of upping their power, which would make hunting for DX stations much harder than it already is."

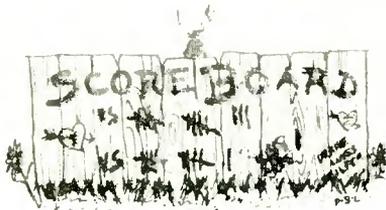
As for SWling/DXing in general, respondents basically expressed satisfaction with their hobby, although certain aspects of shortwave listening were causes for concern:

"The hobby of SWling is most challenging and rewarding. It doesn't take any sort of athletic skills or super intelligence to progress. It does require patience, something the human race has very little of these days."

"I think shortwave listening is a dying hobby; everything has gone CB and UHF scanners. But, like anything else, it could be one of the most popular hobbies if advertisements were made on television telling people what fun you can really have!"

"I find sw listening very fascinating and can't get to bed early any more."

-- This is part 1 of the results of the Survey, the 4 remaining pages of comments and the actual survey results will be in future issues of FRENEX as space permits.



• Editor: Myron Smith  
 36 Ogden Ctr. Rd., Spencerport, NY 14559

Reporter/Location	# Loc	# Yrs	C/H	C/V	S/H	S/V	South America	
							C/H	c/v
1 * Don Jensen, Wisc	-	--	220	215	---	---	--	--
2 James Young, Calif	3	25	218	198	758	254	15	13 Galapagos 6255
3 Gerry Dexter, Wisc	-	--	217	214	1085	903	14	14
4 Sam Barto, Conn	3	12	216	203	1225	851	15	14 R Centro, Ecu 3515
5 John Campbell, Australia	3	6	213	192	---	374	13	11 ZFY 5981
6 John Tuchscherer, Wisc	-	54	212	---	1080	---	--	-- Galapagos 6175
7 Bob Padula, Australia	1	12	210	202	---	---	13	11 R Encarnacion 11945
8 * Dan Henderson, MA	-	--	209	197	---	---	--	--
9 Richard Pistek, Ill	1	13	207	201	---	317	13	13 R Encarnacion 11948
10 Bill Sparks, Calif	1	20	206	199	---	619	14	14 AVROS, Surinam 15465
11 * Edward Shaw, Ky	-	--	206	191	598	324	--	--
12 Irving Johnson, Calif	1	4	206	61	---	---	--	--
13 Al Sizer, Conn	1	8	205	197	846	318	14	13 R Charitas, Par 6110
14 Ralph Perry, Ill	-	--	205	197	---	---	--	--
15 * Ernie Behr, Ont	-	--	205	175	1012	295	--	--
16 Alan Mayer, Ill	1	17	203	170	636	294	14	13 Galapagos 3520
17 * Bob Hill, Calif	-	--	202	4	---	---	--	--
18 * Al Niblack, Ind	-	--	200	130	---	---	--	--
19 * Marlin Field, Mich	-	--	197	192	783	683	--	--
20 Alan Roth, NY	18	18	196	179	609	458	14	13 AVROS 15227
21 * Dan Robinson, Pa	-	--	195	144	---	---	--	--
22 * Jim Hagen, Va	-	--	195	92	---	---	--	--
23 Albert Garrou, Ill	3	11	190	144	332	178	13	10 R Coro, Venez 4950
24 Myron Smith, NY	1	12	187	149	---	235	13	11 R Nac Paraguay 6025
25 Victor Jaar, Quebec	2	12	187	4	---	---	--	-- AVROS, Surinam
26 Bill Whitacre, Mich	1	7	183	134	---	183	12	6 Cayenne 3385
27 Al Miller, Ohio	1	6	178	157	439	202	13	11 R Guatapuri, Col 4916
28 Tom Gavaras, Minn	1	6	175	136	309	222	13	11 Galapagos 3520
29 * Larry Yamron, Pa	-	--	173	139	---	---	--	--
30 Edward Kusalik, Ont	-	--	172	138	258	177	--	--
31 Hank Michalenka, RI	1	10	169	133	287	148	12	12 Galapagos 3520
32 Joe DiLeo, Conn	1	7	167	144	470	309	13	12
33 Larry Abraham, Mich	1	5	167	134	338	187	12	9 R Alvorada, Braz 3335
34 John Fisher, Ont	1	5	167	125	398	194	12	9 R Carora, Venez 4910
35 John Moritz, Ohio	-	--	167	118	350	163	13	10 Galapagos 4810
36 * Steven d'Adolph, Texas	-	--	165	137	221	184	--	--
37 John Sgrulleto, NY	1	18	164	161	---	---	--	-- R Nac Paraguay 6025
38 Charles Wootten, Sardinia	3	4	164	132	417	298	10	9 La Voz Huila, Col 6150
39 Charles Brunner, Pa	1	3	164	75	---	---	13	5 La Voz Chile 9560
40 Alan Laves, Texas	-	--	162	---	437	---	--	--
41 Rob Vokes, Texas	-	--	161	87	444	111	--	--
42 Jim Zabransky, NJ	2	7	160	148	---	---	12	12 R Aparecida 9635
43 Mike Ryan, Calif	-	--	153	153	---	---	--	-- Galapagos 3520
44 Richard Schwartz, Del	-	--	152	120	---	---	--	-- Guyana 3290
45 Jerry Lineback, Ill	-	--	151	89	301	111	--	--

46	Hadley Cress, Va	1	3	145	6	---	---	13	---	-----
47	Kerryn Brandt, NY	1	---	142	92	---	---	---	---	-----
48 *	Jerry Stuart, Okla	-	---	140	120	---	200	---	---	-----
49	Bryan Price, Ky	1	8	140	77	310	89	13	8	Guyana 3290
50	John Herkimer, NY	1	7	138	112	---	---	11	8	R Pres Belmaceda 9590
51 *	Neal Kolb, Fla	-	---	137	74	286	---	---	---	-----
52	Joey Nonnast, Texas	-	---	135	118	238	165	11	11	Galapagos 3520
53	Mac Leonhardt, Ind	-	---	133	70	---	---	---	---	-----
54 *	K L Greer, NC	-	---	130	80	---	---	---	---	-----
55	Michael Agner, NJ	2	4	129	73	296	76	12	7	Ecos Perto Martinez
56 *	Denny Driscoll, NC	-	---	125	112	---	---	---	---	-----
57	Bobby Hobbs, NC	1	5	125	82	235	155	8	4	R Quito, Ecu 4923
58 *	Bill Paschke, Wisc	-	---	125	77	261	98	---	---	-----
59	Martin Foltz, Mich	1	5	125	55	---	68	12	4	R Nac Brasilia 15445
60 *	Wade Smith, Mass	-	---	122	70	---	---	---	---	-----
61 *	Rick Charnes, NJ	-	---	120	93	---	---	---	---	-----
62 *	Larry Nebron, Calif	-	---	120	61	---	---	---	---	-----
63	Mike Hardester, Calif	1	7	119	107	221	186	---	---	R El Espectador 11835
64	Alan Courtney, Ky	1	4	119	48	239	52	11	4	R Sutatenza 5075
65 *	Wendall Carrington, Tenn	-	---	118	57	---	---	---	---	-----
66	Dan McCarthy, Ind	-	---	115	95	145	125	8	7	Guyana 3290
67 *	Carroll Patterson, Ga	-	---	114	102	315	158	---	---	-----
68	Jim Davis, Calif	-	4	113	67	218	82	8	7	-----
69	Tom Overcamp, SC	2	3	112	91	---	---	11	7	R El Espectador 11835
70	Greg Ravenhorst, Minn	-	---	110	86	163	118	---	---	-----
71	Edward Pyatt, Pa	-	---	109	99	156	136	9	9	Action Radio 3290
72	David Ball, Ont	1	5	109	98	185	127	8	7	GBS Guyana 3290
73	Arthur Watson, BC	1	3	109	61	210	73	---	---	-----
74	Robert Kozionkowski, NY	-	---	108	55	135	80	12	5	Brazil
75	Philip Wala, Mich	1	5	107	88	204	130	11	8	R El Espectador 11835
76 *	Jack Troy, Va	-	---	106	26	---	---	---	---	-----
77 *	Henry Lazarus, La	-	---	103	91	286	202	---	---	-----
78 *	William Zuk, NY	-	---	102	64	---	---	---	---	-----
79 *	Art Weaver, Neb	-	---	102	69	---	---	---	---	-----
80	Gerald Bishop, Mont	1	2	100	69	160	97	10	5	Action Radio 3290
81	Paul Dumire, Mo	1	1	97	53	148	63	---	---	-----
82	David Heinke, Mich	-	---	96	68	---	---	---	---	-----
83 *	Irving Kaufman, NY	-	---	95	56	123	85	---	---	-----
84 *	Mildred Marshall, ND	-	---	94	86	136	121	---	---	-----
85 *	John Kolb, Calif	-	---	94	84	110	101	---	---	-----
86 *	Corky Webb, Texas	-	---	94	80	161	111	---	---	-----
87 *	Jeff Berger, Texas	-	---	91	35	202	39	---	---	-----
88	Lauren Ware, Va	1	1	91	26	147	27	7	2	R Nac Brasilia 11780
89 *	David Coursey, Texas	-	---	90	51	---	---	---	---	-----
90 *	Keith Russell, Ill	-	---	88	51	121	53	---	---	-----
91	Susan Wyllie, Mass	1	4	87	73	125	97	8	6	R Cl Pernambuco 11865
92	Larry Talbot, Wisc	1	5	85	67	---	---	7	4	HCB (Special) 15300
93	Tom Blossom, Ohio	4	15	81	72	95	79	6	5	R Nac Brazil
94 *	Gary Culbertson, Mi	-	---	78	52	---	---	---	---	-----
95 *	Pat Tobin, Pa	-	---	77	62	104	71	---	---	-----
96	Timothy Noonan, Wisc	1	2	77	59	157	84	6	5	R Rumbos, Venez 4970
97	Arnold Lausevich, Wisc	-	---	77	56	---	---	---	---	-----
98	Richard Lucas, NY	-	---	77	53	---	---	8	5	-----
99 *	Donald King, Pa	-	---	75	67	114	92	---	---	-----
100	William Mann, Ont	1	5	75	65	82	70	8	6	-----
101 *	Andre Pineault, Que	-	---	75	51	123	64	---	---	-----
102	Bruce Schoenfeld, Conn	1	3	74	58	122	71	8	6	R Zaracey
103 *	Jim Ebrecht, Morocco	-	---	74	44	---	---	---	---	-----
104	Bruce Lavery, Ga	1	1	74	---	152	---	10	---	-----
105 *	John Walenter, Ill	-	---	72	67	79	72	---	---	-----
106 *	Greg Krause, Minn	-	---	72	57	96	62	---	---	-----
107 *	J Cole, Colo	-	---	70	50	---	---	---	---	-----
108 *	Ciro Guarducci, BC	-	---	68	60	142	92	---	---	-----
109	Peter Schipelliti, Mass	1	1	67	37	93	41	6	3	R Nac Brasilia 11780
110 *	Jerry Slaff, NY	-	---	65	58	90	76	---	---	-----
111	Gary Biasini, Alta	1	1	65	17	---	---	8	1	-----
112	David Sarrazin, Colo	1	2	60	31	76	37	7	2	R Nac Brasilia 11780
113	Kevin Mikell, Ill	1	2	52	41	69	52	5	2	R Universo 4880
114 *	Rex Wockner, Ill	-	---	48	47	69	65	---	---	-----
115 *	Walt Sharp, NJ	-	---	38	26	48	30	---	---	-----

116 * Joe Dias, Calif	-	--	37	26	48	33	--	--	-----
117 Ken Delong, Pa	1	1	21	12	39	16	1	1	HCJB 9560
118 Joe Ihnat Jr, Pa	1	1	20	17	25	19	2	2	RAE Argentina 9690

Top Ten By Countries QST

1. Don Jensen	215
2. Gerry Dexter	214
3. Sam Barto	203
4. Bob Padula	202
5. Richard Pistek	201
6. Bill Sparks	199
7. James Young	198
8. Dan Henderson	197
Al Sizer	197
Ralph Perry	197

Top Ten South America  
Heard

1. James Young	15
Sam Barto	15
3. Gerry Dexter	14
Bill Sparks	14
Al Sizer	14
Alan Mayer	14
Alan Roth	14
12 tied at 13	

Verified

1. Gerry Dexter	14
Sam Barto	14
Bill Sparks	14
4. James Young	13
Richard Pistek	13
Al Sizer	13
Alan Mayer	13
Alan Roth	13
9. Hank Michalenska	12
Joe DiLeo	12
Jim Zabransky	12

A very good turnout this month. If your name has an \* next to it, it means that you are due to update your totals. It was especially good to see so many of our newer members on board. As Peter Schipelliti put it, "Scoreboard helps me to compare with other DXers and it gives me the extra initiative I sometimes need to sit down and work DX". So set yourself a goal for this DX season and work on that goal. You will be pleasantly surprised at the results.

I promised Mike Ryan I would mention his Oceania best from last month: United Nations Temporary Executive Authority in West Irian on 6070. Somehow that one got lost in the mail and I never received it. Please remember that I had no information forwarded to me when I started the job, so you have to resubmit spotlight totals and bests.

Sam Barto writes that his QSL total for all stations is over 8700. That is almost beyond comprehension.

I wish to thank you for your kind words and support. This covers everything received here through August 17.

NEXT DEADLINE IS NOVEMBER 15. SPOTLIGHT IS NORTH AMERICA.

73's

*Meyer*

HELPING HAND: Wanted. Reel-to-reel monaural tape recorder, three inch reel, and preferably two speed. Contact Allan Courtney, Box 5474, Station B, Vanderbilt University, Nashville, TN 37235.

HELPING HAND: For sale. Heathkit SW-717 general coverage receiver w/BFO, bandspread, "S" meter, and ANL. Built April 1975. \$49.95 including manual. Contact Clarence Thomas Wilson, Route 2, Box 14, Honey Grove, TX 75446.

HELPING HAND: Wanted. World Radio TV Handbooks for 1969, 1970, and 1971. Will pay any reasonable price. Contact Lloyd Kantor, One Park Lane, Mount Vernon, NY 10552.

HELPING HAND: For sale. Telex dual headphones, two months old 3-20 ohms, Model C-1210. \$25.00 postpaid. Contact Arnold J. Lausevich, 1518 N. 29th St, Milwaukee, WI 53208.

HELPING HAND: For sale. Barlow Wadley XCR-30, Mark 2 receiver, serial 1031, top notch condition. \$200.00 plus shipping. Contact Don Jensen, 5204 70th Street, Kenosha, WI 53140.

HELPING HAND: For sale. RME DB22a preselector. Full coverage from 540 kHz through about 44 MHz, tube design. A faithful performer for many years and still plugging along. \$30.00 plus shipping. Original manual included. Contact Don Jensen, 5204 70th Street, Kenosha, WI 53140.

# QSL

# Report



•Editor: William E. Oliver

45 Wildflower Rd., Levittown, PA. 19057

Info received from Senator Gary W. Hart of Colorado indicates that the VOA is back with transmitter sites IF you supply the site and request that it be put on the card. Copies of the directive sent out by the VOA were forwarded by Bruce Barker and John Vockerth. Many thanks.

Two veries from Admiralty Is. this month! Get it while it's hot! We have 108 other countries to go with that one. Onward....

ADMIRALTY IS: R. Manus, 3905, f/d personal letter in 2 months for EE rpt. No rp. V/s Peter Schia. My VIC #105. (Hywarren-MAN); f/d letter verie from station manager in 33 days for EE rpt and 1 IRC. Yes indeed! Said he was enclosing prgm sked but I found only the verie, hi! (Ravenhorst-MN).

ALBANIA: R. Tirana, 6200, f/d card in 58 days. No rp. (Crater-KS): 7300, f/d card and sked in 56 days. No rp. The Albanians didn't put a stamp on it and it came with 18¢ postage due! (Mark-IN).

R. Peking Relay, 7120, f/d "Timber Forest" card, sked, lapel pin and promise of mags in 20 days for 1 IRC. (Willis-KY); card w/o time and freq listed as 42mb in 3 weeks. Also received a nice pin. No rp. (Kapinos-MA): 9780, f/d card, sked, pennant, pin and letter announcing new "Learn to Speak Chinese" prgm in 14 days. No rp. (Scott-ONT).

ALGERIA: RTVA, 15160, f/d card, sked and rpt form in 119 days for FF rpt and 1 IRC. (Gionet-NB): 21565, card and sked in 19 weeks. (Padula-AUST).

ARGENTINA: RAE, 9690, card in 130 days for 1 IRC. (Shotola-IL).

R. Splendid, 5985, personal SS letter from Nolo Gildo, "Aesoria Literaria", in 6 weeks for SS rpt. Reported while on DX-pedition with fellow ARDXC/NASWA member Peter Bunn. Virtually impossible to hear from home in Melbourne and very rare for Australia. (Padula-AUST)

LOL, 10000, folded white letter-card w/o time or specific freq in 30 days by registered mail for EE rpt and 1 IRC. V/s Rolando E. Nawratil, Superintendent of the Naval Observatory. Sked on back of card. (Kay-NY).

ARMENIAN SSR: R. Yerevan, 11690, f/d plain white card in 4 months for EE rpt. No rp. (Hywarren-MAN).

ASCENSION IS: BBC Relay, 9600, f/d card including site in 15 days for rpt which informed them that I heard R. Moscow HS Network 1 CRMing them and distorting their audie with a SAH. It seems that this kind of info and rpts on new freqs is what gets f/d cards from the BBC. (Biasini-ALB).

ASIATIC RSFSR: R. Moscow. Cards received by Mayer-IL, Biasini-ALB, Barto-CT and Herkimer-NY for: Vladivostok 15130. Krasnoyarsk 17870. Khabarevsk 12050/11870/12000/12055. Petropavlovsk-Kamchatsky 15210/9710. Kenga 11720/9720.

AUSTRALIA: R. Australia, 9580, f/d "Grevillea" card in 98 days for 1 IRC. (Willis-KY); card and club info in 5 weeks. New York address is no good. Letter was returned as "Moved out. Not forwardable". (Kapinos-MA): 17795, f/d "Blue Wren" card in 22 days for 2 IRC's. (Norby-MN).

VLW15-Perth, 15425, f/d card in 21 days for 2 IRC's. (Clare-CA).

VLW9-Perth, 9610, f/d card in 14 days. No rp. (Richardson-NY).

VLML-Brisbane, 4920, map card in 3 weeks. No rp. (Cain-LA).

VLQ9-Brisbane, 9660, card in 26 days for 1 IRC. (Biasini-ALB).

VLH9-Melbourne, 9680, card in 28 days for 1 IRC. (Biasini-ALB).

VNG, 7500, f/d form letter in 45 days. (Brown-BC).

AUSTRIA: ORF, 9770, f/d "Castle" card, sked and bumper sticker in 33 days. No rp. (Hall-NY); f/d silver card, bumper sticker and some used Austrian stamps in 46 days for 2 IRC's. (Macris-MO); "Salzkammergut" card, sked and sticker in 34 days for 1 IRC. (Willis-KY): 9770/6155, f.d cards in 28 days

for ORF rpt form. No rp. (Meehan-CT).

**AZERBAIJAN SSR:** R. Baku, 9840, f/d carbon-copy letter in 3½ months for EE rpt and postcard. No rp. (Hywarren-MAN).

**BELGIUM:** ORU, 9730, card w/o time in 52 days for EE rpt and mint stamps. (Macris-MO); card and sked in 9 weeks. (Wasserstrom-NJ): 9725, card w/o time, sked and pennant in 55 days for 1 IRC. (Rockwood-OH).

**BELIZE:** R. Belize, 3300, map card in 21 days for 1 IRC. (Shotola-IL).

**BRAZIL:** R. Nacional de Brasilia, 15445, f/d pink/black map card, sked and fact sheet in 30 days for 1 IRC and used stamps. (Brown-BC).

R. Jornal do Comercio, 15145, f/d card and EE letter in only 10 days for EE rpt, 1 IRC and postcard. V/s Artur S. Miranda. (Krueger-FL).

R. Cultura de Cuiaba, 5055, letter and 10 picture postcards in 1 month after f/up and mint stamps. V/s Manoel Garcia. (Sparks-CA).

Radiodif. Roraima, 4839, letter in 2 months after 9 tries. (Field-MI); letter and decal in 5 weeks for PP rpt. V/s Galvao Soares. (Barto-CT).

R. Cultura de Pocos, 9645, EE letter and 2 calendars in 6 weeks for an SASE which was not used. (Field-MI).

R. Caiari, 4785, letter, decal in 2 months for PP rpt. (Barto-CT).

**BRUNEI:** R. Brunei, 7215, "Mosque & Map" card w/o time and a '74 sked in 2 weeks. No rp. (McNeil-DC).

**BULGARIA:** R. Sofia, 9700, f/d "Ohrid University" card, sked, personal letter and blue/white pennant in 114 days. No rp. (Schipelliti-MA).

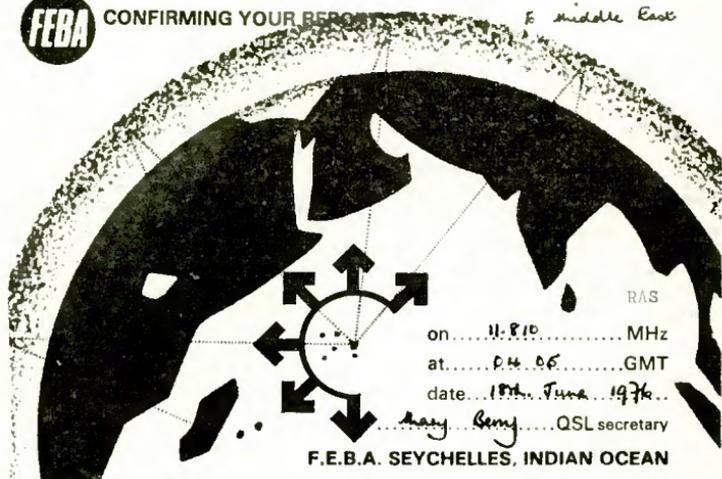
**BYELORUSSIAN SSR:** R. Moscow via Orsha, 9655, "Kremlin" card in 1 month. No rp. (Meritz-OH); f/d card in 4 weeks. No rp. (Kapinos-MA); f/d "CMEA" card in 43 days. (Mayer-IL); Via Minsk, f/d card in 1 month. No rp. (Legge-VA).



CONFIRMING YOUR REPORT

E Middle East

from  
Richard  
Schwartz



RAS

on... 4.810... MHz

at... 04.06... GMT

date... 19th June 1976...

Mary Bony... QSL secretary

F.E.B.A. SEYCHELLES. INDIAN OCEAN

**CANADA:** CEC Northern Svc, 9625, card and large sked in 15 days after f/up. The first time they sent me just the sked. (Shotola-IL): 5960, "Carved Bear" card in 40 days. No rp. (Norby-MN).

CHU, 7335, "Sir Sanford Fleming" card w/freq circled in 14 days. No rp. (Macris-MO); same card in 12 days. No rp. (Ihnat-PA).

CKZU, 6160, f/d card in 20 days. No rp. (Brown-BC).

CFRX, 6070, "Carnival" card in 7 days. (DeLong-PA).

BBC Relay, 6175, card and sked in 17 days. (DeLong-PA).

**CANARY IS:** RTVE Relay, 15375, card in 1 month. No rp. (Legge-VA): 11800, f/d card in 1 month for EE rpt, postcard. No rp. Also got a pennant. (Hywarren-MAN); f/d card in 3 months. No rp. (Gower-IL).

**CHAD:** Rdif Nationale Tchadienne, 4904.5, card in 2½ months for FF rpt. (Barto-CT).

CHINA: R. Peking, 15060, f/d "Timber Forest" card, sked, pin, info on the "Cultural Revolution" and a letter promising some mags. All in 22 days. No rp. (Glazzy-CA); "Changpai Mts." card in 5 weeks. No rp. (Norby-MN).

**COLOMBIA:** R. Nacional, 4955, f/d SS card in 31 days for SS rpt and 1 IRC. (Shotola-IL).

Emisora Nueva Granada, 6160, SS letter in 63 days for SS rpt and 2 IRC's. (Conover-PA).

La Vez de la Selva, 6170, Letter, pennant and postcard in 1 month after f/up for mint stamps. V/s Eduardo Bahamon Horta. (Sparks-CA).  
 Emisoras Ondas del Ortegua, 4975, letter and pennant in 4 weeks for SS rpt. V/s Libia M. de Reyes, Secretaria. (Barto-CT).  
 COSTA RICA: R. Casino, 5954, very nice f/d card and pennant in 1 month for EE rpt, 2 IRC's and used stamps. (Moritz-OH); f/d EE/SS card and pennant in 16 days for EE rpt. No rp. (McNeil-DC).  
 R. Capital, 4832, SS letter in 1 month for EE rpt and 1 IRC. (Vockeroth-PA).  
 CUBA: RHC, 11970, card, letter and decal in 7 months. (Barto-CT): 11930, f/d card in 2 months for EE rpt. No rp. (Norby-MN).  
 CYPRUS: BBC Relay, 6180, no-data Thames card w/site typed in en request in 1 month. No rp. (Hywarren-MAN).  
 CZECHOSLOVAKIA: R. Prague, 9540, card in 6 weeks. No rp. (Norby-MN): 7345, f/d "Peace Square" card in 36 days. No rp. (Richardson-NY).  
 DENMARK: R. Denmark, 15165, f/d card in 3 weeks for EE rpt and 2 IRC's. (Mann-ONT); f/d card in 39 days for EE rpt. No rp. (Schipelliti-MA).  
 DOMINICAN REP: R. Mil, 4940, f/d letter in 18 days for 1 IRC. (Scott-ONT).  
 ECUADOR: HCJB, 15300, f/d red/white/blue "DX Party Line" card in 30 days. No rp. (Schipelliti-MA): 9560, f/d "15th Anniversary" card, blue/gold pennant, sked, mags and literature in 43 days. No rp. Real old time religion here. (Fryou-LA); f/d special SPEEDX QSL for rpt on DX Party Line. Rpt was sent to SPEEDX and was received in 9 days. (Richardson-NY); f/d card and sked in 32 days for 40¢ US stamps. (Bishop-MT): 11875, card, sked, pennant and letter saying next time I would have to send return postage received in 35 days. No rp. (Cain-LA): 11915, f/d SPEEDX card in 14 days for a 13¢ stamp. A very nice card! (Meehan-CT).  
 R. Quito, 4925, folder card w/no data in 25 days for 1 IRC. V/s Fernando Fegan. (Scott-ONT); multilingual "Thank You" card in 2 months for EE rpt. No rp. (Hywarren-MAN).  
 EGYPT: R. Cairo, 9475, f/d "Nefertiti" card, tons of info on Egypt and a sked signed "Best Wishes" by Rita in 37 days for 2 IRC's and stamps. (Brown-BG); same card and sked in 57 days for 1 IRC. (Biasini-ALB): 6015, f/d QSL card in 127 days for FF rpt on test xmsn for NA FF Svc. No rp. (Gionet-NB): 9805, "Pyramids" card in 49 days for EE rpt and 2 IRC's. (Norby-MN).  
 ENGLAND: BBC, 7325, no-data Thames card in 58 days. No rp. (Richardson-NY).  
 ETHIOPIA: ETLF, 11830, two red f/d cards, sked and green/white pennant in 115 days for two EE rpts. No rp. (Schipelliti-MA): 15365, f/d card and sked in 53 days for 1 IRC. No pennant. (Scott-ONT): 4905, f/d card and sked in 1 1/2 months for EE rpt. No rp. (McNeil-DC).  
 EUROPEAN RSFSR: R. Moscow, 9530, f/d card w/o site in 28 days. (Scott-ONT): 11740, card for EE Svc to UK and Ireland in 2 months. (Barto-CT): 11810, FF QSL card w/only 25mb listed for SS rpt on SS xmsn to Cuba. This is the last time I try to QSL sites from R. Moscow! (McNeil-DC). It's easy, Pitt. Look at this: Xmr site cards received by Gionet-NB, Noonan-WI, Moritz-OH, Barto-CT, Legge-VA, Vockeroth-PA, Mayer-IL, Overcamp-SC and Biasini-ALB for...  
 Armavir 12040. Kalach 15200, Kazan 11805. Moscow 9500/9600/7360/5970/6010/7280/9530/9680/9700. Ryazan 9720/5980. Serpukhov 12010. Tula 9610. Vorezh 12060/5920/5950. Zhigulevsk 6170. Tom Overcamp says if you believe all of these, you'll believe anything. He heard R. Moscow s/off at 0357 GMT on 9700 kHz and R. Sofia s/on at 0400 GMT with no loss in the carrier!  
 FINLAND: R. Finland, 15110, f/d "Summer in Finland" card in 21 days. No rp. (Ware-VA); same f/d card, sked and 2 issues of "Hear Finland" in 14 days. No rp. I've had cross-town mail take longer! (Mark-IN); same card and sked in 15 days for 1 IRC. (Schneck-MA): 9550, f/d card and sked but no pennant although I requested one, in 17 days. No rp. (Noonan-WI).  
 FRANCE: RFI, 15210, f/d "L'Arc de Triomphe" card in 13 days for EE rpt and 1 IRC. (Willis-KY): 15200, f/d card and sked in 19 days for 1 IRC. (Rockwood-OH): 15425, f/d card in 21 days. Pennant requested but not sent. (Scott-ONT).  
 FRENCH GUIANA: France Regions 3, 3385-Cayenne, card w/freqs and "Thank You" for my rpt in 3 weeks after f/up to Dec. '75 rpt in EE, 2 IRC's and used stamps. (Moritz-OH): 3385/4972, card in 1 month for FF rpt. Card reads "4472". Good printer! (Barto-CT).  
 GABON: R-TV Gabonaise, 4777-Liberville, f/d card and nice FF letter in 100 days for EE rpt and 2 IRC's. (DeRoy-ME); brown/yellow/white FF map card, sked and form letter verification in 54 days for 2 IRC's. (Schwartz-DE).  
 GAMBIA: R. Gambia, 4820, mimeo letter verie w/history of country and station in 31 days for EE rpt, 1 IRC and mint stamp. Verie mentions only 4820 kHz. On prgm sked they announce their increase in broadcast hours from 70 to 88 per week but there is no mention of a MW xmsn. (Ravenhorst-MN).

GEORGIAN SSR: R. Moscow via Tbilisi, 11805, f/d card in 51 days for EE rpt on Great Britain Svc. No rp. (Gionet-NB): 11710, f/d card in 1 month for rpt on SA Svc. (Legge-VA).

GERMANY (E): RBI, 11840, f/d "Potsdam Agreement Castle" card and nice "Thank You" letter from Rudi Friedel in 41 days for 2 IRC's and used stamp. Two days later I received "RBI Journal", sked and first day stamp covers. (Moss-CA): 9730, two f/d cards of "Berlin" series, "RBI Journal" and letter from Rudi Friedel of NA Dept. welcoming me as a new listener in 56 days. No rp. (Mark-IN); f/d "Rathaus" card and a promise of a bunch of "good stuff" in 37 days for 1 IRC. (Rockwood-OH).

GERMANY (W): Deutsche Welle, 9545, card, sked in 8 weeks. (Wasserstrom-NJ)  
VOA-Munich, 6195, f/d "Kennedy Center" card w/"Munich, Germa written on it in 13 days. No rp. My 14th VOA site! (McNeill-DC).

GHANA: GBC, 6130, f/d card stapled to sked in 28 days for EE rpt. No rp. (Richardson-NY).

GREECE: V. of Greece, 9760, f/d plain white card in 22 days for 2 IRC's. V/s A. Argyropoulos. (Blossom-OH); f/d white card in 20 days. No rp. (Ware-VA); f/d white card in 28 days. No rp. (Krueger-FL).

GRENADA: R. Grenada, 15105, f/d "Schedule" card in 120 days for EE rpt and 1 IRC. (Conover-PA); yellow card w/date, time and freq indicated by an "x" in 62 days for EE rpt and 1 IRC. (Gionet-NB).

GUATEMALA: TGNA, 3300, card, sked and tourist brochure in 15 days for 2 IRC's. (Shotola-IL).

GUYANA: GBS, 3290, f/d verie letter in 12 days for a postcard. V/s Diana Keelan. (Hall-NY).

HAITI: 4VEH, 11835, f/d card, station info and religious info in 13 weeks. No rp. V/s Mrs. Wanda McFall, QSL Secretary. (Hancock-AL).

HAWAII: WWVH, 15000, "Aloha" folder card w/o time in 60 days. No rp. (Brunner-PA): 5000, folder card in 13 weeks with other info. No rp. I had already sent a f/up. (Cain-LA).

HONDURAS: HRVC, 4820, card and sked in 14 days for 1 IRC. (Shotola-IL); 2 map cards w/no specific time in 2 months and 3 weeks after f/up for a total of 5 IRC's. Address on card is Apartado 145-C, not Apartado 270. Hancock-AL.

HUNGARY: R. Budapest, 7220, f/d orange card, letter and 2 copies of paper "Budapest International" in 63 days. No rp. (Schipelliti-MA): 6000, f/d card, sked and newspaper in 65 days. No rp. (Hancock-AL): 9565, card and sked in 7 weeks. (Wasserstrom-NJ): 9833, f/d card, pennant and 2 copies of newspaper in 27 days for 1 IRC. (Biasini-ALB).

IRAN: V. of Iran, 9022, f/d card in 37 days for bilingual rpt form and 1 IRC. (Lausevich-WI): 15084, f/d "Rezaiyeh TV" card and pennant in 17 days for EE rpt, postcard and used stamps. No rp. (Meehan-CT); f/d "Mahabad" card, pennant and info in 3 weeks for EE rpt and postcard. No rp. Finally, after 3 tries! (Hywarren-MAN): 15135, "Bandar Abbas TV" card and sked in 5 weeks: 9765, "Rezaiyeh TV" card in 3 weeks. I believe latter freq is for new xmtr recently installed at 25th Shahrivar, same geographical coordinates as Kamalbad. (Padula-AUST).

ISRAEL: IBA, 11625, f/d "Knesseth" card, sked, rpt form, pamphlet and book on Israel in 39 days for EE rpt and 3 postcards. No rp. (Fryou-LA); f/d card, sked and "Israel in Brief" in 36 days. No rp. (Noonan-WI): 11645, "Jerusalem" card, sked, rpt form and IBA booklet in 47 days. (DeLong-PA): 11602.5, nice "Jerusalem" card, sked and rpt form in 1 month for their rpt card. No rp. (McNeill-DC).

ITALY: RAI, 9575, f/d "Il Settecento Italiano" card in 147 days. No rp. (Schipelliti-MA); f/d "Painting" card in 6 months. No rp. (Nicholson-ONT).

JAPAN: R. Japan, 5990, "Noh Mask" card in 2 weeks. No rp. (Norby-MN): 15300, card and sked in 2 weeks. (Wasserstrom-NJ); f/d card w/signature in 15 days. No rp. (Gionet-NB): 9505/9585, "Hakata Doll" card CSLing 2 rpt cards in 11 days for RJ aerogramme rpt. (Sarrazin-CO).  
NSB, 9595, two f/d "Antenna" and "Tokyo Forum" cards in 31 days for 1 EE rpt. No rp. (Hancock-AL).

JORDAN: HRBS, 7155, f/d "Russian Church" card in 16 days for EE rpt on Airmen, 2 IRC's, stamps and postcard. The photos my often vary on these QSL as they use local postcards run through a separate press. (Krueger-FL).

KOREA (S): KBS, 11850/9600, "Seated Buddha" and "Autumn in Kyongbok Palace" cards, sked and pennant in 6 and 7 months. (Padula-AUST).

KUWAIT: R. Kuwait, 11945, f/d folder card in 3 weeks for EE rpt after 2 tries. No rp. (Hywarren-MAN).

LATVIAN SSR: R. Moscow via Riga, 12020, f/d card in 1 month for rpt on Chile Svc. No rp. (Legge-VA).

**LIHERIA:** ELWA, 11950, f/d "Native" card, sked, stamps and info sheet on the country in 15 months for EE rpt and 1 IRC. (Vockeroth-PA).  
**LITHUANIAN SSE:** R. Vilnius, 9710-Home Svc Relay, "Flower" card from Vilnius in 10 weeks. Xmr site unknown. This was a rare operation which I believe has not ceased. HS was relayed for a period. (Padula-AUST): 7355, "Flower" card and postcard in 16 weeks for EE rpt. No rp. (Vockeroth-PA).  
 R. Moscow via Kaunas, 11870, f/d cards in 24 to 64 days.  
**No rp.** (Gionet-NB, Biasini-ALB, Overcamp-SC, Mayer-IL).  
**LUXEMBOURG:** R. Luxembourg, 6090, card in 28 days for 1 IRC. (Shotola-IL); f/d card in 47 days for 1 IRC. (Noonan-WI); f/d "Crest" card in 4 weeks for 1 IRC. (Kapinos-MA).



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France Régions  
 Radio - Télévision  
 CAYENNE  
 Guyane

*Nous vous remercions de votre  
 fidélité et vous confirmons que  
 nous émettons à partir de Cayen-  
 ne sur :*

O. M. 1070 Khz (Puissance 4 kw)  
 O. C. 3385 Khz  
 et 6170 Khz (Puissance 4 kw)  
 4472 Khz (Puissance 1 kw)

Notre adresse : F. R. 3 - B. P. 336  
 97305 CAYENNE  
 Département Français de Guyane.

**MALAGASY REP:** R. Nederland Relay, 11730, f/d "Wereldomroep" card in 72 days. No rp. (Cohen-NJ).  
**MALAYSIA:** BEC Relay, 11750, Thames card w/"F.E.R.S." typed on it in 24 days. No rp. I asked them to verify the site. (Hancock-AL).  
 R. Malavsia, 9750, folding map card in 3 weeks. (Padula-AUST).  
**MALTA:** DW Relay, 6100, glossy multicolored card in 138 days. No rp. (Shotola-IL); card w/o site and "Hallo Friends" in 34 days. (Scott-ONT).  
**IBRA Radio, 6055, f/d green/yellow map card, sked and religious info in 262 days via R. Mediterranean for EE rpt. No rp. (Gionet-NB); f/d card, pennant, letter and sked in 7 months for EE rpt on air-letter sheet. (Moritz-OH): 9755, card in 8 months. No rp. (Legge-VA); f/d map card, sked, letter and pennant in 10 months for 1 IRC. Address is Box 396, S-101, 25 Stockholm, Sweden. (McNeil-DC).  
 R. Malta, 6035, f/d vertie letter and Maltese Is. brochure in 137 days for EE rpt. No rp. (Richardson-NY); mimeo EE letter and travel folders urging me to come to Malta. Received in 5 months for 1 IRC. (Padula-AUST).  
**MAURITANIA:** R. Rif. Nationale Mauritanie, 4845, map card in 6 weeks for FF rpt and 3 IRC's. (Padula-AUST).  
**MONGOLIA:** R. Ulan Bator, 5053, QSL and EE letter for 2/13/76 tentative rpt on Mongolian Svc. Also very friendly letter explaining why U-B is so hard to hear in the USA. V/s Tuvdennyam, Head of EE section. My best QSL ever!! (Hoogerheide-KY).  
**MOROCCO:** VOA-Tangier, 7115, Capitol card w/"Relay: Tangier, Morocco" on it in 1 year, 2 days after f/up! V/s Vivian Stahl. (McNeil-DC).  
**NETHERLANDS:** R. Nederland, 11730, f/d "Happy Station" card in 46 days with plastic calendar, Happy Station sked and short history, fact sheet and autographed picture of Tom Meyer, postcard of Hilversum, bumper sticker, DX Service Catalog, "The Active Antenna" and "Give Your Antenna Some Air". No rp. (Schipelliti-MA); f/d "Eddie Startz" card, sked and booklet on antenna construction in 61 days. No rp. (Mark-IN); same f/d card in 16 days for mint stamps. (Macris-MO); same card in 72 days. No rp. (Cohen-NJ).  
**NETHERLANDS ANTILLES:** R. Nederland Relay, 6165, f/d "Happy Station" card in 46 days. No rp. (Schipelliti-MA); "Perspective" card, sked, Tom Meyer and Hilversum picture cards and Tom Meyer's history. No rp. (Fryou-LA).  
 TWR, 11925, f/d card, sked and religious info in 19**

days for 2 IRC's. (Hancock-AL); f/d card in 2 weeks for 2 IRC's. (Papinos-MA): 11815, f/d card, sked, pennant, mag, stamps and religious info in 2 weeks for 1 IRC. (Vockeroth-PA).

NEW CALEDONIA: R. Noumea, 7170, f/d orange/blue map card and frequency card in 21 days for FF rpt and 1 IRC. (Conover-PA); same card in 3 weeks for EE/FF rpt and mint stamps. (Vockeroth-PA).

NEW ZEALAND: RNZ, 11705, f/d "Fishing" card and sked in 24 days for 3 IRC's. This card was for the new RNZ. They request return postage with all correspondence. (Mark-IN).

NIGERIA: V. of Nigeria, 7275, f/d card in 24 days. (Hall-NY); f/d "Flag" card and sked in 35 days for 1 IRC. (Willis-KY); same f/d card and sked in 29 days for EE rpt and 2 IRC's which were returned. (Glazzy-CA).

NBC-Ibadan, f/d card and sked in 21 days for mint stamps. (Herkimer-NY).

NORWAY: R. Norway, 15175, f/d card, sked and flag in 18 days. No rp. (Schpellitti-MA); f/d card, sked and flag in 78 days. No rp. (Krueger-FL): 9645, f/d card in 62 days. No rp. (Crater-KS): 11860, f/d card in 31 days for 1 IRC. (Blossom-OH); f/d card in 70 days for 1 IRC. (Nicholson-ONT); f/d card in 16 days. No rp. (Cohen-NJ): 11870, f/d card, sked and flag in 15 days. No rp. (Biasini-ALB).

PAKISTAN: R. Pakistan, 11750, f/d letter in 4 weeks. (Padula-AUST).

PAPUA NEW GUINEA: NBC, 9520, f/d yellow/white map card in 2 weeks for EE rpt and 2 IRC's. (Glazzy-CA); f/d form letter and daily prgm sked with both MW and SW freqs in 130 days for 1 IRC. (Poppin-CA): 4890, letter and stamps in 17 weeks for EE rpt and 1 IRC. Letter stated that 3 IRC's are requested for air mail reply to USA. Also, no pennants. (Vockeroth-PA).

R. Western District, 3305-Daru, old-style Admin. B. Svc Commission in 10 weeks for mint stamps. (Padula-AUST).

PHILIPPINES: V. of Philippines, 9580, f/d card; sked, 2 letters and questionnaire in 93 days for 2 IRC's. V/s Miss Thelma M. Maceda. (Brown-BG).

R. Veritas, 15280, f/d card in 5 weeks: 9670, card in 10 weeks: 11725, card in 4 weeks. One IRC with each rpt. (Padula-AUST).

AFRTS-Philippines, 5995, card in 3 weeks. No rp. (Sparks-CA).

POLAND: Polish Radio, 7270, f/d "DX Club Statue" card in 96 days for EE rpt. No rp. (Conover-PA): 9540, f/d "DX Club" card in 108 days. No rp. (Cohen-NJ).

PORTUGAL: Emissora Nacional Portugal, 6025, f/d card in 20 days for 2 IRC's. (Glazzy-CA); f/d card in 3 weeks for 1 IRC. (Kapinos-MA): 11935, f/d card in 16 days for 1 IRC. (Willis-KY); f/d card and PP sked in 19 days for 1 IRC. (Richardson-NY).

IBRA Radio, 9670, f/d card, sked and pennant in 90 days for EE rpt and 2 IRC's. (DeRoy-ME).

QATAR: QBS, 9570, "Shipbuilding" card w/all data except time in 2 weeks after 2 tries. No rp. (Hywarren-MAN).

ROMANIA: R. Bucharest, 5990, f/d card, letter and "Listeners' Club" info in 11 weeks. No rp. (Hancock-AL): 11790, f/d card, sked and club info in 95 days. No rp. (Richardson-NY).

RWANDA: DW Relay, 17765, f/d blue/yellow map card in 7 weeks for EE rpt. No rp. (Vockeroth-PA).

SARAWAK: R. Malaysia-Kuching, 4950, f/d folder card and stamps for EE rpt, franked stamps, postcard and 1 IRC to Kuala Lumpur A.D. (Brown-BC). No time

R. Malaysia-Sibu, 5005, card in 17 days for 1 IRC. (Sparks-CA).

SAUDI ARABIA: BSKSA, 17755, "Crossed Swords" card and sked in 10 weeks by registered mail. (Padula-AUST).

SENEGAL: R. Senegal, 4890, f/d card in 5 weeks for EE rpt and 2 IRC's. (Mann-ONT).

SEYCHELLES: FEBA, 11810, white/orange "Globe" card in 3 weeks for 3 IRC's and rpt on Urdu prgm. (Schwartz-DE); folding card and sked in 2½ weeks for rpt on test xmsn and 1 IRC. (Padula-AUST).

SINGAPORE: R. Singapore, 6155, f/d card in 17 days for EE rpt, 2 IRC's and used stamps. (Moritz-OH); f/d card in 3 weeks for EE rpt on Malay xmsn and 1 IRC. (McNeil-DC).

SOLOMON IS.: SIBC, 5020, f/d card in 22 days for 2 IRC's. (Clare-CA); map card in 21 days for postcard and used stamps. No rp. (Cain-LA).

SOMALI REP.: R. Mogadishu, 9585, f/d provisional "Towers" card in 69 days for EE rpt, postcard, 2 IRC's and used stamps. (Krueger-FL); "Antenna" card in 7 weeks. No rp. (Cain-LA).

SOUTH AFRICA: R. RSA, 9585, f/d "Kaffirboom" card in 3 weeks. No rp. (Moss-CA); f/d "Flowering Tree" card in 25 days. No rp. (Poppin-CA); card in 3

weeks. No rp. Mags came 2 weeks later- (Kapinos-MA): 21535, F/d "Springbok" card in 23 days. No rp. (Richardson-NY).

ZUO, 5000, f/d letter and info sheet in 23 days. No rp. V/s R. Lake. (Herkimer-NY).

SPAIN: RTVE, 11880, f/d card, sked and pennant in 57 days for 1 IRC and used stamps. (Moss-CA); f/d "Toledo" card in 66 days for EE rpt and 1 IRC. (Macris-MO): 6065, f/d antenna card in 62 days. (Mark-IN); f/d antenna site card in 5 weeks for 1 IRC. (Kapinos-MA).

SWAZILAND: Swazi Musicradio, 4980, letter w/date, only in 24 days for 1 IRC (Scott-ONT).

TWR, 9590, f/d card in 17 days for mint stamps. V/s Eleanor Platt. (Herkimer-NY): 3275, f/d card, sked and TWR flyers in 3 weeks. No rp (McNeil-DC).

SWEDEN: R. Sweden, 9695, f/d "Royal Wedding Stamp" card and sked in 40 days for 1 IRC and used stamps. (Moss-CA); f/d map card, sked and 2 issues of SCDXers in 56 days. No rp. (Mark-IN): 9605, f/d card w/site, Horby, as requested and sked in 52 days. No rp. (Noonan-WI).

SWITZERLAND: SBC, 9725, "Lake Lucerne" card in 29 days. No rp. (Norby-MN): 11950, f/d card in 26 days. No rp. (Biasini-ALB): 11715, f/d card in 6 weeks for 1 IRC. (Kapinos-MA).

TAHITI: R. Tahiti, 15170, f/d "Maiden" card and FF sked in 24 days for EE rpt and 3 IRC's. (Hancock-AL); f/d card and FF sked in 24 days for 3 IRC's and EE rpt. (Krueger-FL); f/d card w/native girl on it in 24 days for FF rpt and 1 IRC. (Mayer-IL): 11825, f/d FF card and sked in 1 1/2 months for EE rpt and 2 IRC's. (DeRoy-ME).

TAIWAN: V. of Free China, 11825, nice f/d "Chinese Painting" card, sked and info booklet on VOFC in 73 days. My IRC was returned. (Brown-BC): 17890, f/d "Bronze Tripod" card, sked, monthly paper and letter from Caroline Jan in 1 month for EE rpt and mint stamps. (Glazzy-CA).

TOGO: R. Togo, 5047, f/d card in 26 days for FF rpt on FF xmsn and 2 IRC's (Clare-CA); card w/o freq but w/full sked in 23 days for EE rpt. (Scott-ONT); map card in 5 weeks for EE rpt and 1 IRC. (Cain-LA) "Globe" card in 50 days for bilingual FF rpt form, postcard and 1 IRC. (Lausevich-WI).

TUNISIA: RTV Tunisienne, 7275, f/d "Korbous" card in 26 days for FF rpt and 1 IRC. (Gionet-NB); f/d "Hotel" card in 1 month for EE rpt and 2 IRC's. (DeRoy-ME); f/d "Korbous" card in 18 days for EE rpt on AA xmsn, card, used stamps and 2 IRC's. (Krueger-FL).

TURKEY: V. of Turkey, 9515, f/d "Master of Turkish Humer" card in 20 days. No rp. (Ware-VA); card w/o time and very nice flag pennant in 3 weeks. No rp. (Kapinos-MA): 11880, f/d "Nasreddin Hodja" card in 28 days for 2 IRC's. (Norby-MN).

Medium Wave Frequency Schedule

<input type="checkbox"/>	535 KHZ	From	6.00 a.m.	To	2.00 p.m.	Local
			1000		1800	GMT.
	1000 Watts	From	3.45 p.m.	To	10.30 p.m.	Local
			1945		0230	GMT.

Short Wave Frequency Schedule

<input type="checkbox"/>	9.550 MHZ	From	11.45 a.m.	To	2.00 p.m.	Local
			1545		1800	GMT.
<input checked="" type="checkbox"/>	15.105 MHZ	From	3.45 p.m.	To	6.00 p.m.	Local
			1945		2200	GMT.
<input type="checkbox"/>	3.300 MHZ	From	6.05 p.m.	To	10.30 p.m.	Local
	5000 WATTS		0230		0230	GMT.

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Radio Grenada,

Broadcasting House,  
St. George's,  
Grenada, West Indies.

Verifying Reception Correctly  
Reported

Date 21st FEBRUARY 1976

Time 2005 TO 2119 GMT

TURKMAN SSR: R. Moscow via Ashkhabad, 15385, f/d card and nice letter from Mrs. Stepanova in 27 days for rpt on South Asian xmsn. No rp. (Hancock-AL): 15185, f/d "CMEA" card for South Asia Svc and small pennant after reminding them that I have 8 NA Svc QSLs with a letter in which they actually admitted that they made an error when they said that Benedict Arnold was hanged. All in 28 days. (Rockwood-OH).

UKRAINIAN SSR: R. Kiev, 9610, f/d card and "News From Ukraine" in 23 days. No rp. (Mark-IN): 11735, "Circles" card, sked and newspaper in 22 days for 1 IRC. (Willis-KY): 15210, f/d card, sked and rpt form in 35 days for 1 IRC. (Glazzy-CA).

R. Moscow "Combo" cards which included Lvov 11750: Kiev 11770: Vinnitsa 11735/11850/11730: Ivano-Frankovsk 9660 were received by Mayer-IL, Overcamp-SC, Biasini-ALE.

UNITED STATES: KGEI, 5980, card and sked in 36 days. No rp. (Brown-BC). WINB, 17720, f/d card in 9 days for US stamp. (Macris-MO). WYFR, 6155, f/d card in 21 days for 13¢ stamp. (Noonan-WI); f/d card in 15 days for 13¢ stamp. (Glazzy-CA); card in 11 days for mint stamp. (Sparks-CA): 9525, card and sked in 3 weeks. No rp. (Cain-LA).

UN Radio, 15410, f/d blue/white card in 35 days for US stamp. (Macris-MO): 6055, f/d card and sked in 61 days. No rp. (Bishop-MT).

AFRTS-Bethany, 9755, f/d blue card in 17 days. No rp. (Macris-MO): 11790-Greenville, card in 5 weeks. No rp. (Cain-LA).

VOA-Greenville, 6190, card and skeds in 6 days for a 13¢ stamp. V/s Vivian Stahl. (DeLong-PA).

WNV, 5000, f/d "Chief Niwot" folder card in 20 days. No rp. (Brown-BC): 10000, card in 21 days. No rp. (Ihnat-PA).

URUGUAY: R. El Espectador, 11835, f/d plain white card in 76 days for mint stamps. V/s Jorge Cubilo. (Herkimer-NY).

UZBEK SSR: R. Tashkent, 9540, card, personal letter, postcard and pennant in 2 months. (Barto-CT).

VATICAN: Vatican Radio, 9645, f/d "Citta del Vaticano" card in 23 days. No rp. (Schipelliti-MA): 5995, card in 15 days. No rp. (Shotola-IL); f/d antenna site card in 4 weeks for 1 IRC. (Kapinos-MA).

VENEZUELA: R. Nacional, 15400, letter w/date only in 55 days for EE rpt. V/s Charlie Nash, General Coordinator International Svc. (Gionet-NB):

15390, form letter, not full data, w/sked of foreign svc on it for 2 IRC's and SS rpt. (Krueger-FL).

R. Barquisimeto, 4990, f/d SS card in 29 days for 1 IRC. Pennant requested but not sent. (Scott-ONT).

YVTO-Cagigal, 6100, "Observatorio" card in 30 days. No rp. (Herkimer-NY).

VIETNAM (N): V. of Vietnam, 10040, f/d QSL letter, sked and issue #44 of "Vietnam Courier" in 124 days for EE rpt. No rp. (Gionet-NB).

YEMEN (PDR): Aden Radio (PDRYBS), 7190, f/d card in 3 months for EE rpt and 2 IRC's. (DeRoy-ME).

YUGOSLAVIA: R. Beograd, 9620, f/d card and 2 skeds, '74/'75 and '76, in 55 days. No rp. (Hancock-AL).

ZAIRE: R. Zaire, 15245, verie letter w/date only and sked in 90 days by registered mail for EE rpt and 2 IRC's. (DeRoy-ME); FF letter w/date only and sked in 120 days for 2 IRC's and FF rpt. V/s Edope Mondengele.

(Rockwood-OH); form letter w/date only and sked printed under verie in 180 days for 3 IRC's. Post Office treated this as registered mail! Glad I got this one! (Mulvey-NY).

#### "ODDS & ENDS"

**MORE ON R. MOSCOW'S VERIFICATION POLICY**: Jim Scott, Don Mills, ONT received the following reply from Mrs. Eugenia Stepanova to his question concerning R. Moscow's policy of no veries unless the language spoken is known.

"We understand that the purpose of listening is not and should not be confined to just going down the dial, picking up station identification and mailing a reception report in exchange for a QSL card. In fact, it is hearing at least a part of a program that SWL-ing is all about."

Besides, Radio Moscow has a number of sections and each of them has its own Letter Dept. and QSL Service. With Radio Moscow broadcasting in 64 languages worldwide, you'd probably agree that it is a wise provision that saves us a lot of mess and misunderstanding."

Until next month, keep smiling.

*Bill*

FEELING BLUE? LET POLISH RADIO CHEER YOU UP!

Topline tip. INDONESIA (IRIAN JAYA) - RRI, Sorong - New freq replacing 4871, at least during evening (\*0800-1400\*) xmas since 8/15; hrd from 0848 tune, when barely QRX thru fierce het and slop from USSR/FE on 7230. At 1100 recheck, nx till 1108, Sorong ID 1109 and into string of ads or ancts mentioning Sorong and Irian Jaya. Today (8/17) 1359½\* after Indo march anthem; good copy with Siberian having left the channel earlier. Unusually good modulation for an Indo, I might add. (Bob Hill, California via NU)

# DX

September FRENDX issue

John J. Moritz Jr.  
4145 New Road  
Youngstown, OHIO 44515  
(216) 792-8627  
Next deadlines: 9/13 and 9/21



# Hotline

YEMEN ARAB REPUBLIC - Sanaa heard on 4852.5A at 0300 sign-on. Flute IS, ID by M, march-like anthem, ID and Koran to at least 0325. Usually // 1780. Nice sig sometimes. Noted 15, 16 and 17 August (Victor C. Jarr, Charlebourg (Quebec) Canada) #Nice of you to report Vic. I look forward to your promise of more during the upcoming season!

LESOTHO - Noted 12 July on old SW freq of 4800 for first time in almost a year. Might be old lokw, or low-power test from one of the 50kws. Except for this date they have not been on shortwave since August 1975, and only languages in use are Setswana and English (Ginbey via SCDX 1389) # I think this is a real pertinent piece of info. Anybody have anything they can add to this?

COLOMBIA - R Valledupar 4816A with LA mx, TCs, IDs from 0350-0415 tune-out on 8/16 (John Tuchscherer, Wisconsin)  
Ecos del Combeima on 4875.7 from 0420 until 0500 tune out with Latin and U.S. stuff. Plus IDs and very strong but ute splash on 8/18 (Tuchscherer) #Always good to hear from you John!

BRIGUA???? - 9520 on 8/17 an OC was hrd from 1830-1930, then a test tone until 2130. Carrier also on 8/18 on 6085 at 2045 until 2130 OC then test tone, and pulses. No IDs on either. (Alan Mayer, Illinois) #You may have something here Al. Supposed to be on quite some time ago. Seems as if the information on this one just suddenly stopped coming in. Anybody out there have anything?

NEWFOUNDLAND - CKZN St. John's in EE w/nx on 6160. ID at 2100 on 8/18 (Mayer) Also noted from 0950-1010 with CBC and Nfld local nx in fair condx (James Ronda, Ohio)

AFARS & ISSAS - FR3 Djibouti, 4780½ at 0312 with AA chants by OM, no mx; 1318 LV Carabobo came back on the air midsong. Nice sigs and a super birthday present! (Pitt McNeil, Washington) #Congrats OM! Happy B-day!!

INDONESIA - RRI (Jayapura) M in II. Variety of mx with pops, LA type mx, Indo stuff and a polka for good measure! ID per Jungua. Noted at 1128. Dooppppsses! Freq of 9613! (Al Miller, Ohio) #Thanks buddy! Why didn't you call and get me out of bed for this one? hi

ADMIRALTY ISLANDS - R Manus 3905A noted here mixing with hams from 1057-1105. Islands vocal by group thru hams, M in Pid talk and more mx. Poor in this mess (ed)

SAO TOME (t) - just caught NA at 2304 s/off; fair level; have been trying to hear them since but with no luck (Ronda)

BOLIVIA - R Norte (t) on 4938 at 0436 with speech by excited M, ment of Bolivia, then songs, more tlk. No ads and fair (McNeil)

ECUADOR - New time and freq station now being installed on Pacific coast of Ecuador. To be in operation by end of 1976. No details as to freq exact format, or power. Information will follow as it is issued (HCJBs ANDEX mailing for August)

RIO MUNI - R Ecuadorial on 4926 at 0515 at poor level. Here with hi-life vocals of vern and SS nature. By 0535 up to fair reception level. (Ronda)

VIETNAM - Saigon, 7244½ at 1039 with Viet martial mx and W in VV tlk. Noted on 8/11 (McNeil)

BURMA - BBS Rangoon 5039 from 1140 until 1202 with local type mx of oriental/native quality. W in presumed BB between songs. Poor to fair, but up to snuff for copy! (ed on 22 August)

KHMER REPUBLIC - Phnom Penh, 4909v at 1108 vy nice sigs and audio thru ute w/walling and singing by W. Strange E african type mx; down to 4908½ at 1144 check (McNeil)

COLOMBIA - Ondas del Ortezuela, 4975 at 1025 with Latin song, ID and another song following. Fair over ute (McNeil)

NEW HEBRIDES - R Tanafo, 3990, now here ex-3975 and 3952, operating from the hills of Santo. According to annts sked is now reduced to 1930-20 and 0750-0830, although seems to be now at 0900\*. EE heard at 0800. Power is 60 watts (Cushen via TDXN #44)

IRAN - VOI 9022, despite reports this one is definately here again w/ EE mx by M at 2002 until 2025 (Miller)

NEW CALEDONIA - FR3, Noumea — 11710 kHz observed \*0400 or thereabouts other times still not on by 0445 check, but invariably in operation long before WRTH-sked time of \*0600 (Hill via NU) #How long has it been since somebody in mid-west heard this outlet, which I believe is only 4kw?

RHODESIA - Gwelo, 2336 at good level 2145 thru to s/off at 2200 when on late sked for Saturday night show, EE w/pop songs. Also heard were // 2425, 3308 and 3396! (Padula, Australia via TDXN #44) #As Fred notes this one definately bears some looking at during 0300 period by those of us stateside. How 'bout keeping your ears tuned?

LIBYA - FRB 6185, 2225-2245 AA tlks, mx; no ID heard, all indications point to Libya. Poor level (Ronda)

MONGOLIA - RUB, 7261 — From 0918, very weird vocal by solo voice; 0930 Moscow IS, into Mongolian lang relay. Wretched relay quality, a almost no voice modulation, and constantly drifting approx 100 Hz up and down — a typical Ulan Bator performance! Weak, as usual (Hill v NU) #It makes nice reading for some of us anyway. hi

BRAZIL - R Cult de Araraquara (t) 3365, from 2350 until 0030 with a variety of mx, including lively instrs and PP EL vocals. M in PP w/ mentions of Brasil. Could have swore I heard an ID for Araraquara at 2359! Good at first, tapering off to poor level in noise. (ed)

GERMANY - DW now has new QSL policy. Will now verie without details of time, date, freq, or transmitter location. Reason being is large amount of reports received and time involved in filling them out. Th will still verie with full details if an envelope bearing full name & QTH of reporter is sent along w/your report (Milan Kucera, Czech via SCDX # 1389) #Anybody else hear this? I wonder....

BEING BLUNT TIME.... If only my friends are going to support me in th matter I really do not know how much we can get accomplished. Look, John Tuchscherer, who has been at the dials for 55 years, can take th time to send me a couple of reports, what the hell is the excuse for the rest of you? NASWA is a club. What are the rest of you doing out there? I know you must be hearing something! I really do not give a damn if you have only been listening for six months. Let me know what you are listening to. If we are to make the DXHotline into something worthwhile it must come from a vast majority of you.

# Section A

# Log

• Ed. Sec-A: Dan Robinson

AMERICAN UNIVERSITY  
WASHINGTON, D.C. 20016  
LETTIS HALL



# Report

This month's LR-A is the lightest we have had all summer long - vacations and summer activities taking a toll. But the DX is already getting better, however imperceptibly, and we should have a good year ahead! The NU convention in Lexington was an excellent gathering providing everything from Kentucky ham to an enjoyable exchange of ideas about DXing with DX'ers of all age groups. Thanks to everyone who has supported LR-A since I took over, and keep the reports coming in throughout the coming season.

- 2336 RHODESIA RBC Gwelo; 2145 through to 2200\* at good level when on late sked for Sat. night show, EE w/pop songs; also hrd on // 2425, 3308 and 3396 - never heard as late as this on 120mb before in Melbourne (Padula 7/10)
- 2420 JAVA RRI Bandung; 1525 w/Javanese mx px, but not // 3205, first time heard here and this is listed as 50w.1 (Cosier 7/19) The WRTVH lists two freqs. for this as far as I can tell, 80 watts and 250 watts - is your source more up-to-date Geoff?
- 2580A COLOMBIA(HARMONIC) R. Pipaton/R. Libertador; although reported in Tropical DX Newsletter by G.M. Stanbury as R. Libertador, Cali, 2 x 1290 at 0130 w/def. ID, the stn. I get is a different one, R. Pipaton, not only at the later hours previously reported (Cf LR-A August), but at 0100 with the following ID-"Desde Barrancabermeja, Colombia, Radio Pipaton"; the signal seems to have weakened considerably lately, and there is a het, possibly the station Stanbury reports; could be that the vertical radiation angle of the two harmonics is different for Stan, some 750km further from Colombia, than I, to be at a more favorable skip zone for the station he reports, just as I find the other dominant (Hauser 7/20) Interesting theory, Glenn.
- 3204 NIGERIA NBC Ibadan; 0508-0515 M ending EE nx, then ID and into African mx, good level with another ID at 0514 (Moritz 7/6)
- 3227 LIBERIA ELWA; 2205 f/in w/hymns, px in language to 2215\*, this outlet very rare in our 1cl morning and first time this season via short-path (Padula 7/10)
- 3245 VENEZUELA R. Libertador; 0150-0155 M in SS w/mentions of Venezuela, short mx breaks between tlk (Moritz 7/25)
- 3250 SOUTH AFRICA SABC; 0339-0450 in EE, ID, mx, ads, excellent signals (Snyder 7/14, Poppin 7/31)
- 3265 COOK IS. R. Cook Islands; 0510-0525 EE M heard through vy heavy static (Newman 7/22) I think this would be better as a tentative if no def. ID was heard, Victor.
- 3290 GUYANA GBS; 0635-0720, IS 0700, then nx (Snyder)
- 3295 VENEZUELA R. Trujillo; 1010-1013 w/organ mx, ID by M, then tlk by M in SS (Moritz)
- 3300 GUATEMALA TGNA; 0326-0430 EE, ID, rel. px "Back to the Bible" and mixing with R. Belize (Hancock 7/23) 0500 R. Cultural SS tlk, mx, clear ID 0504 (Brookwell 7/17)
- 3300 BELIZE RB; 0447-0500 in EE, c&w mx, M ancw with names and birthdays, 0507 ID, NA, and s/off (Cain 7/22, Overcamp 8/2) 0326-0510 EE/SS ID, LA and US pops, and mx mixing with TGNA (Hancock 7/23) 0402 Indian rel px (Snyder 7/18)
- 3300 UNID \*1000 possibly in EE over TGNA, but blocked by FLA s/on (Cosier 7/17)
- 3315 MARTINIQUE Fort de France FR3; \*1000 in FF w/Marseillaise and FF anmts, into calypso mx 1006, f/out 1020 (Cosier 7/8) 0144-0149 M & W in FF tlk (Moritz 7/29)
- 3316 SIERRA LEONE SLBS; 0558-0700, EE/vern, IS, time-tone, tent. ID, native singing w/occasional ads to 0630 ID by W, vern mx, all tlk and ads for while to f/out (Bowlsby 6/24)
- 3320 SOUTH AFRICA SABC; 0315-0330 in Afrikaans tlk by men (Gaffin 8/4)
- 3322 BOUGAINVILLE IS RB; 1024-1046 chorals and M in presumed Pidgin tlk (Moritz 8/1) 1120-1137 w/rock mx, Pidgin tlk (Bishop)
- 3325 GUATEMALA R. Maya de Barillas; 1145 w/Indian type lang, ID, rel. px (Green 7/6) 0340-0405 in SS, continuous tlk by M, CHU QRM (Krueger 7/21)
- 3325 VENEZUELA R. Monagas; 0146-0158 M in SS tlk, LA vocals song (Moritz 7/26)

- 3325 IRIAN JAYA RRI Jayapura; 0909 Indo pop mx, earlier s/on now than previous 1030 (Cosier 7/10)
- 3335 NEW GUINEA R. East Sepik; 1005-1014 M in rx, W also briefly, then mx, some EE ml with the Pidgin. (Bishop 8/6, Moritz 7/7)
- 3355 NEW CALEDONIA Noumea; unusual to hear at 2230 w/FF pops and anmts, 0830 lcl time here; seems as if much lower ALF during present sunspot minimum (Padula 7/9)
- 3360 GUATEMALA LV de Nahuala; 0405-0440\* in SS tlk by M & strange lcl singing to NA (Krueger 7/21)
- 3360 PAPUA R. Milne Bay; 1018-1023 choir type singing, M in Pidgin, then more singing (Moritz 7/7)
- 3375 VENEZUELA Voz de la Fe; 0038-0105 W in extended SS tlk, M on occasionally with ment. of Ven, then more tlk (Moritz 7/27)
- 3385 VENEZUELA R. Barcelona; 0335-0400 SS, rx apparently relayed via R. Rumbos as Rum was mentioned along w/Rumbos chimes (Krueger 7/17)
- 3385 NEW BRITAIN IS RENB; 1003-1008 M in Pidgin "Nat'l rx" w/many ment. of Papua-New Guinea (Moritz 7/7)
- 3390 ECUADOR R. Zaracay; SS DJ mx px, Mexican Rancheros, gong w/anmts (Brookwell 7/17)
- 3395 VENEZUELA R. Universidad; 1012-1017 W in LA vocal, M in SS between songs (Moritz 7/22) 0328-0335 SS pop mx, ID, f, fair (Krueger 7/17)
- 3396 RHODESIA RBC; 0359-0514 end of rel. px, ID, TC; world mx, 0411 ads & mx (Green 7/11 8/3)
- 3540 AUSTRALIA ABC; strange harmonic here @ 1100 in EE, not a rx fault, and does not with x 770 or 620 lcl stations (Cosier 7/17)
- 3890nf JAPAN FEN; 1100 in EE w/ID and TC (Cain) This seems unlikely, but then I haven't hrd them lately - what would they want to escape by this?
- 3905 INDIA AIR Delhi; 0027-0030 f/out Hindi song under ARO's (McNeil 7/18)
- 3925 PAPUA P2K3 Port Moresby; 1018-1023 M in Pidgin tlk, //4890 better (Moritz 7/30)
- 3930 CAPE VERDE IS R. Barlavento; (T) at 2215 f/in in lang, light pops and tlk by M, if Cape Verde never hrd here before (Cosier 7/7) This is and has been their fgy.
- 3955 (T) POLAND Polskie Radio; 2330 classical mx, then light song, ARO QRM (McNeil) This fgy is new on me, for them, but if so, Bill Oliver should here about this, hi
- 3970 (T) CAMEROON R. Buea; 2156 lang, African type chants by M, some anmts 2158 and s/off 2200 w/mx or anthem - jammer on fgy; never heard here before if Buea (Cosier 7/14) This is another nice regional African also hrd around 0600, ed.
- 3975 GT. BRITAIN BBC; 0500 end of EE px, start of Polish px (Green 7/1)
- 3985nf (T) LIBERIA VOA; tent NF for Monrovia 0340 in EE w/coverage of the Olympics dall possibly ex 3990 (McNeil)
- 3989nf NEW HEBRIDES R. Tanafo; 0740 in Bislama tlk by M, at good level, w/some short mx pieces (Cosier 7/15)
- 3995 GERMANY DW; 0515 in GG, ID tlk and mx (Green 7/12)
- 4425 BOLIVIA R. Paititi; 0338-0412/o in SS, 3 straight songs, short tlk by W, 6 more songs, short tlk by W, and still more mx! (McNeil 7/18)
- 4485 USSR Petropavlovsk; 1005-1030 RR opera vocals, M & W ancrs (Cain 7/25)-Asiatic S.
- 4485 TADZHIK S.S.R. Dushanbe; 2344 in RR tlk, opera mx and singing, lcl lang tlk 0009 heard often these days (McNeil)
- 4701 BOLIVIA R. Riberalta; 0324-0327\* SS, slow Latin love song, 0326 positive Riberalt ID by M, studio information to s/off, G in QRN (McNeil 7/18)
- 4680 ECUADOR R. Nac. Espejo; 0335 SS, mx, many ads and ID's, SS tlk (Green 7/10) Sorr, this is out of order, ed.
- 4719 SULAWESI RRI Ujung Pandang; 1332-1346 M in Indo tlk (Lavery 7/13) According to the Mid-month DXH, this one has shifted down to 4715, noted on 8/12 & 8/13, ed.
- 4729 BOLIVIA R. Abaroa; 0310 in SS, W reading list of numbers - is not a numbers stn (Lavery 7/19)
- 4735 PAKISTAN RP; 0016-0027 Karachi noted w/tlk by W, then M & W, then W again and possible EE as well (McNeil 7/18) 0050-0119 M in very def. sub-continental chants into mx at top of hour until 0115 and back to mx; gone by 0119 - most pleased with this one! (Moritz 8/3) Good show, John.
- 4765 COLOMBIA R. Catatumbo; only tent from 0100-0200 SS, M ancr w/ads and echo chamber love ballads (Davenport) That's what I need right now, a love ballad.
- 4770 LIBERIA ELWA; 2210 in EE w/rpt of Entebbe raid, drum IS & ID (Schwartz 7/5) 0630-0711 musical request px, ID 0630, bells, ID 0634, rel px. (Padula 7/12)
- 4775 JAVA RRI-Jakarta; 1145-1155 in Indo w/lcl mx, Indo tlk (Mayer 8/4)
- 4780 AFARS & ISSAS Djibouti; 0312-0318 AA chants by M, no mx, good level until Carabol came back on at 0318 - nice Birthday present! (McNeil 8/6) Happy Birthday, Pitt.
- 4780 DOM REP R. Norte; 0145 in SS w/LA mx, IDs and ads (Green 7/9)
- 4790 PERU R. Atlántida; 1020-1027 Andean vocals and instrumentals, M in SS w/ID's (Moritz 7/22) 0413-0431 SS lcl and pop mx (Krueger 7/9)
- 4800 VENEZUELA R. Lara; 0209-0218 M in SS tlk, guitar instrumental, two ID's and tlk l DJ to some chick visiting studio (Moritz 8/3) !
- 4810 GALAPAGOS IS LV de Galapagos; 1210 OC, mx to 1215 when many ID's, IS of bird call and px preview (Cosier 7/14)

- 810 VENEZUELA R. Popular; 0030 w/SS tlk, mx, ads, and ID's (Green 7/10)
- 820 HONDURAS HRVC; 0259-0410 end of SS px, EE ID, address, into rel. px (Snyder, Green) 0407 EE rel. px (Brookwell)
- 820 VENEZUELA R. Tricolor; 0900-1000 SS tlk, LA vocals by group, ID 0959 (Moritz 7/20, Tannerwald 7/29)
- 825 DOM REP. LV de las Fuerzas Armadas; 1012 SS, TC, nat'l mx (Jones 8/3) ID's by M pop. instrumentals 1019-1035 (Moritz 7/17)
- 830 VENEZUELA R. Tachira; 1128-1133 SS tlk, mx-"In the Mood" and full ID (Hobbs 7/17)
- 831 MALI RM; 2120 now here as first noted 7/15, ex 4872, 4875, 4880; nat'l mx and vern. amnts //5995, also on 7/16 2230-2300 - Don't confuse with Franceville which is occasionally on this freq. (Padula 7/15) Freq. may still vary
- 832 COSTA RICA R. Reloj/R. Capital; 0237 SS, LA mx, ID's and ads (Green 7/25) 0830 SS, mx and TC's, ID (Tannerwald 7/30)
- 840 VENEZUELA R. Valera; 0355-0400\* M w/long ID, NA and s/off (Mayer 7/16)
- 845 MAURITANIA Nouakchott; 2305 AA, chants from Koran (Schwartz 7/5) 0715-0731 w/ID @ 0715, AA tlk, 0726 AA mx, ID 0726 (Snyder 7/29)
- 852 YEMEN R. Sanaa; \*0256 w/flute IS, 0300 AA by M, NA, into Koran //7235 (McNeil 8/8)
- 860 VENEZUELA R. Maracaibo; 0915 in SS w/mx, TC's (Tannerwald 7/30) 1042 in SS carrying R. Rumbos program (Jones 7/20)
- 870 REP. OF BENIN LVR; 2156-2302\*in FF, mx, political tlk about Marxist-Leninist Rep. of Benin, cries of "Long Live Africa" (Hobbs, Tannerwald 7/17) 0611-0625 FF tlk, mx, ID 0616 (Snyder 7/30)
- 871 WEST AFRICAN RRI-Sorong; 0854 in Indo tlk by W, lcl mx (McNeil)
- 875 SOUTH AFRICA SABC; \*0300 R. RSA in EE svc (Schwartz 7/7) 0400-0410 in EE w/ sked (Davenport)
- 875 BOLIVIA La Cruz del Sur; 0210-0223 rel. songs, M in SS, then an easy listening song and more tlk (Moritz 7/26)
- 880 VENEZUELA R. Universo; 0000 in SS w/mx and ID's (Tannerwald 7/24) 0206 w/SS ID, US pop mx (Cain)
- 885 UNID 2205 in vern. tlk and FF tlk, mx as well- anyone have an idea what this is? Could this possibly be one of the regional Zaire stations? (Reporter unknown) At any rate, this is probably not a regional Zaire outlet, more likely Mali you heard around 4881 - how well calibrated is the DX-160? If it's off it may account for the 4885/4880 error, ed.
- 890 PAPUA-NEW GUINEA NBC; 0845 in EE w/price quotes, stock market? (Tannerwald 7/14) 0705-0720 in mx (Snyder)
- 895 CHINA Huhehaote; 1200-1230 probably this one carrying RP, hrd in RR and // 4980 after 1200 (Wisblood 7/25)
- 4900 VENEZUELA R. Juventud; 0435 LA mx, ads, ID's (Green)

That's it for another month. Just a reminder that beginning on September 4th, my address will be changing back to the following: Dan Robinson c/o American University, LETTS HALL, Washington, D.C. 20016. Yes, folks, it's back to the enchanted enclave of the District of Columbia, and back to apartment living & DXing. For those of you who have not yet gotten the NASWA Associates Directory, it is well worth it! I hope to be hearing from you all, especially as far as reports to LR-A go!

- 8905 ADMIRALTY IS R. Manus; 1000-1025 in vern, tlk by W ancr (Cain)

73's Dan

**HELPING HAND:** For sale. U.S. Signal Corps surplus BC221aa frequency meter with original calibration book, with power supply. Very good condition, case modified and attractively painted gray rather than original Army olive drab. \$70.00 plus shipping, contact Don Jensen, 5204 70th St, Kenosha, WI

**HELPING HAND:** For sale. Hallicrafters SP-44 Sky rider Panoramic (Panadapter). May be used with any receiver with an IF between 450-470 kHz. On a CRT ('scope) is displayed visually up to 200 kHz of the radio spectrum, centered on the receiver's tuned frequency. Original installation and operating instruction manual included. \$40.00 plus shipping. Contact Don Jensen, 5204 70th Street, Kenosha, WI 53140.

**HELPING HAND:** For Sale. Allied AX-190 receiver adapted to SWBC bands. Excellent condition, tuned by Ed Shaw and Dan Ferguson. Shipped with manual in original carton. \$170.00 including shipping. Contact Jimmy Jones, 1415-A Lebanon Road, Nashville, TN or call 615/256-8509.

# Log

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# Report

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## Section B

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

- 4900 BURUNDI R. Cordac; 0429-0500 lang, non-stop Afr rel hymns to 0451 then W ylking in unknown lang (Moritz 7/6)
- 4904.5 CHAD RNT; 2200-2300 FF, M tlking, ID, s/off (Lavery 7/12)
- 4905 ETHIOPIA ETLF; \*0255-0305 EE/Amharic, IS, gongs, ID's in EE, into chants and Amharic tlk. Super strong! (Moritz 7/19)
- 4905 BRAZIL R. Relogio Federal; 2124-2130 PP, ads, nx items, with TC every few minutes. First time ever for me in hearing a 60m Brazil in our local morning (Padula 7/14) (Wiseblood 7/1)
- 4907.9 CAMBODIA Pnom Penh; 1300-1315 Cambodian, lcl vocal mx, instru mx
- 4915 GHANA GBC; 2215 Vern, Afr vocal/instru mx (Schwartz 7/5) 0600-0630 EE nx, ID press review, mx and DX pgm (Schneck 7/9)
- 4920 HONDURAS R. Progreso; 0450-0500\* SS, cl mx ending with the well known whistling song ID and off (Earhart 7/17)
- 4923 ECUADOR R. Quito; 1040 SS, mx until hit by R. Progreso s/on (Jones)
- 4924.6 CHINA Kweichow; 1150-1350 CC, HS, ID given for Province at 1200, 1 given at any other times. National nx 1200-1208 (Wiseblood 8/4)
- 4926 EQ. GUINEA R. Ecuatorial; 2100-2302 SS/vern, nx interspersed with gongs, finally s/off with long anthem (Padula 7/17) 8/
- 4935t PERU R. Tropical; 0350 SS, slow song, tlk by M, more songs (McNeil)
- 4938t BOLIVIA R. Norte; 0436 SS, speech by M, song, more tlk by M and then another song (McNeil 8/2)
- 4938.6 CHINA site unknown; 1155-1230 CC, nx given by M&W at 1200, hrd // 4924.6, 4915, 4990 (Not hrd since Quake) (Wiseblood 7/25)
- 4940 IVORY COAST RTVI; 2220 FF, nx, ID, mx (Schwartz 7/5) 0600-0605 FF native mx (Nebron 7/30)
- 4947 BRAZIL Voz Sao Francisco; 0253-0303\* PP, W in vocal, M with anns and off (Moritz 8/3)
- 4972t CAMEROON R. Yaounde; \*0428 FF, Balalon, ID in FF, more IS, NA at 0430, ID again, nx and mx. New s/on time (McNeil 8/2)
- 4975 COLOMBIA Ondas del Orteguaza; 0951-1025 SS, many ID's, TC's, ad strings, mx, vocals (Jones 7/26, McNeil 7/29)
- 4975nf MOZAMBIQUE Maputo; 2115-2202 PP, national nx, piano mx, //4923. 1: nrd 7/20 and on subsequent days (Cosier, Padula)
- 4980 SWAZILAND SMR; 2210-2231 EE, rel pgm, singing (Conover 7/25)
- 4985 BRAZIL R. Brasil Central; 2115-2130 PP, ads, mx (Padula 7/20) 050: 0525 PP, MoR PP mx, singing ID's, TC's (Earhart 7/17, Gaffin 8/5)
- 4985 UNID. LA station, 0620 SS, LA mx, anncmnts (Cosier 7/17)
- 4995 PERU R. Andina; 0124-0147 SS, tlk by M, into nx, then Andean vocal At 0154 check they were hardly there (Moritz 7/27)
- 5015 BRAZIL R. Cultura de Cuaiba; 0849-0859 LP, tlk and vocals (Moritz)
- 5020 COLOMBIA Ecos del Atrato; 0340-0359\* SS, vocals, NA (Krueger 7/24)

- 5020 SOLOMON IS SIIBS; 0720-0800 EE, songs, Manner, 10 min nx in lang at 0745, ID but no IS at 0800, then native songs (Brookwell 7/31)
- 5038 CENT. AFRICAN REPUBLIC Banoui; 2238 FF, mx, ID, drums (Conover) Tannenwald)  
0525-0530 FF, poor lvl, tk (Barhart 7/17)
- 5040 VENEZUELA R. Maturin; 0906-0912 SS, ID's by M, LA vocals (Moritz, 5040 COLOMBIA R. Cinco; 0400-0411 SS, instru-mx, ID's (Krueger 7/24)
- 5040 PERU R. Libertad de Junin; 0335-0355 SS, ID, ad for bank, lively LA mx (Mayer 7/13, Lavery 7/10)
- 5041 GUINEA-BISSAU R. Bissau; 2235, Afr drum mx (Cosier 7/7) 0625 vern, Afr mx (Lavery 7/14)
- 5047 TOGO R. Togo; 2236-2245 FF, mx, ID, nx (Schwartz 7/5)
- 5050 VENEZUELA R. Mundial; 0304-0809 SS, LA mx, ID, ads (Lavery 7/9)
- 5052 SINGAPORE R. Singapore; 1430 EE, nx // 5010 (Lavery 7/18)
- 5057 ALBANIA Gjrokaster; \*0353 Albanian, cl mx, IS of AA like singing, M giving freq, into nx (McNeil)
- 5060 ECUADOR R. Nacional Progreso; 1037-1046 SS, Andean vocals, tk by M, Poor (Moritz 7/29)
- 5075 COLOMBIA R. Sutatenza; 0145 SS, tlks, vocals, ID (Trautschold)
- 5095 COLOMBIA R. Sutatenza; 0030-0245 SS, tlks, LA mx, ID (Gaffin 8/6, Davenport, Trautschold 7/27)
- 5747A USA VOA SSB Feeder; 0330 EE, Breakfast show (Hauser 8/2) 0645 EE Afr Safari pgm (Brookwell 7/30)
- 5935 UNID. 1235-1305 lang, cmntry in Oriental lang, poor lvl (Conover)
- 5950 USSR Radiostantsiya Rodina; 2355-0005 RR, vocals and piano mx, ID by W at 0000, time pips and into presumed nx (Moritz 7/27)
- 5955 COSTA RICA R. Casino; 0545 EE, EL mx and ads (Ware)
- 5955 GREECE VOA Kavala; 0543 EE, interview show (Ware)
- 5960 CANADA CBC NS; 0318-0600 EE, nx, mx, wx (Norby 7/3, Poppin 7/11)
- 5960 USSR Site unknown; 1020 RR/Oriental, lang lessons, 5 note IS, or tune at intervals (Jones 7/13)
- 5965 SWITZERLAND SBC 0145-0215 EE, Dateline pgm (Lull 7/28) 0245 GG, time pips, ID, tk (Jones 7/31)
- 5965 MOROCCO VOA Tangiers; 0712-0731 FF, Afr mx, tk (Moritz 7/24)
- 5975 GREAT BRITAIN BBC; 0345 EE, ID, Big Ben (Brookwell 7/29)
- 5980 EL SALVADOR R. Nacional; 0600 SS, mx, ID (Brookwell 7/28)
- 5980mf MEXICO R. Mexico; 0335 SS, closing pgm with good ID (Brookwell)
- 5980 PERU R. Panamericana; 0649-0705\* SS, non-stop, light, lilting EL instru, M with ID and annmnts at 0700, then OC from 0702 until they pulled the plug (Moritz 7/24)
- 5990 CYPRUS BBC relay; 2250-2300 lang, ID, Big Ben, nx (Poppin 7/15)
- 5990 W. GERMANY DW; \*0330 Swahili to Afr (Padula 7/5)
- 5995 VATICAN Vatican Radio; \*0100-0115\* EE, discussion pgm, ID (Kay 8/5, F. Schipelliti 8/8)
- 5995 AUSTRALIA ABC Lyndhorst; 0830-1049 EE, nx, mx (Norby 7/3, Davenport)
- 6000 AUSTRIA ORF Aldrans; 0625-0635 GG, orch mx (Lavery 7/23)
- 6005 AUSTRALIA RA; 1130-1500 EE, nx, mx, tlks (Poppin 7/29, Jones 7/21, Mark 7/9)
- 6006 COSTA RICA R. Reloj; 0425-0655 SS, ID's, mx (Mark 7/14, Hoffman)
- 6015 AUSTRIA ORF; \*0400-0405 GG, IS, ID, nx (Mayer 8/6)
- 6030 W. GERMANY SDR; \*0429 GG, IS twice, gong, then nx (McNeil)
- 6030 CANADA CFVP; 0445 EE, nx (Lavery 7/25)
- 6035 USSR Khabarovsk; 0945-1100 RR, opera, vocals, pips (Cain 7/23)
- 6035 MALTA IBRA Radio; 2045-2100 EE, ID, rel pgm (Schneck 7/14)
- 6040 W. GERMANY DW; 0130-0150 EE (Lull 7/27) programming?
- 6040 E. GERMANY RBI; 0218 SS, ID, freq's, sched, cmntry (Jones 7/24)
- 6045 SWEDEN RS; 0258\* FF, IS, ID, folk mx (Conover 7/11)
- 6050 ECUADOR HCJB; 1620-1634, Andean instru, M&W annrcs (Moritz 7/30)
- 6055 JAPAN NSB; 1020-1046 EE/JJ, tk, pop mx, then "Let's learn JJ" (Jones 7/13, (T) Krueger 7/25)
- 6065 SPAIN RRE; 0100-0137 EE, nx (Davenport)
- 6070 VENEZUELA R. San Sebastian; 1205-1238 SS, ID's, mx (Krueger 7/25)
- 6070 CANADA CFRX; 1755-1800 EE, ads, pops (Moritz) 1430 EE nx (Mark)
- 6075 HONDURAS LV del Junco; 1201 SS, ID (Lavery 7/14)
- 6075 W. GERMANY DW; 0127-0150 EE, IS, ID, nx (Thompson 7/30, Lull 8/1)
- 6075 ECUADOR HCJB; 1200 EE, JJ svc (Conover)
- 6082 PERU R. Nacional; 0900-0915 SS, ID's, lcl mx (Krueger)
- 6085 CANADA RCI; 0100-0200 EE (Lull 7/1)
- 6090 LUXEMBOURG RL; 1740 GG, tk, pop songs (McNeil 7/30) 0036-0130 EE, US pops, DJ format (Schwartz, Macris, Cain, Newman)

- 6090 AUSTRALIA ABC Sydney; ;053-1135 EE, nx, instru (Jones, Moritz)  
 6090 NIGERIA RTV Kaduna; 2208-2220 Hausa, native singing, tlks by M, more Afr mx (Moritz 7/5, Cosier 7/7)
- 6100 ITALIA DR; 0130-0150 EE, IS, ID, orch mx, cmntry (Thompson, Cain)  
 6100 YUGOSLAVIA R. Belgrade; 2144-2150 SS, tlk by M, nx (Trautschold)  
 6105 MEXICO Su Pantera; 1227 SS, ID, freq's, ads, mx (Jones 7/24)  
 6105 NEW ZEALAND RNZ; 0544-1023 EE, lcl nx, EL mx (Hutchins 7/30, Jon Underdown, Brookwell 7/17)
- 6115 CONGO RTVC; 0500 FF, native mx (Brookwell 7/17)  
 6115 COLOMBIA LV del LLano; 0925 SS, pgm review, ID's (Cosier 7/29) 2346-0000 SS, ads, mx (Davenport (T))
- 6120t ARGENTINA R. El Mundo; 2331-2335 SS, tlk by M, LA mx (Davenport)  
 6120 COLOMBIA R. Super de Cali; 0940 SS, LA mx (Jones 7/31)  
 6120 SWEDEN RS; 2300-2330 EE, world nx, cmntry (Anderson 7/28)  
 6130 SAUDI ARABIA BSKSA; 2211-2227 AA, chants and singing by W, under Ghana (Moritz 7/29)
- 6135 SWITZERLAND SBC; 0145-0215 EE, Dateline pgm, cmntry, piano mx, ID (Thompson 7/27, Lull 7/28)
- 6135 BRAZIL RTV Gaucha; 2145-2200 PP, ads, and nx roundup (Padula 7/9)  
 6135 TAHITI R. Tahiti; 0433-53 Tahitian, mx pgm (Poppin 7/30)  
 6145 W.GERMANY DW; 0031-0100 GG, ID, nx, mx (Schwartz, Davenport)  
 6150 COLOMBIA LV del Huila; 1026-1031 SS, ID by M, tlk, LA mx (Moritz)  
 6150 COSTA RICA R. Alenea; 0600 SS, usual LA DJ pgm, LA mx. Listed as 24 hrs but not so (Brookwell 7/21)
- 6155 AUSTRIA ORF; 2354 GG, IS, ID (Jones 8/1)  
 6160 COLOMBIA Em. Nueva Granada; 0845 SS, LA mx, ID (Tannenwald 7/27)  
 6160 CANADA CKZN; 2045 EE, mx, ID, nx (Bishop 8/4) 1036-1043 EE, nx, sports and local time (Moritz 7/7, 8/2)
- 6165 NETH. ANTILLES RN; 0200-0315 EE, DX Jukebox (Davenport, Bishop, Lull, Poppin)
- 6165nf MEXICO XEW; 1139 SS, ID "XEW en Mexico, Distrito Federal...", mx, tlk, must be new freq (Jones 7/14)
- 6165 SWITZERLAND SBC; 2128 EE, end of "Dateline", ID (Hutchins 7/23)  
 6170 VENEZUELA R. Nacional; \*1000 SS, NA, ID, calls, freq's, mixing w Selva making both worthless (Jones 7/20)
- 6170 COLOMBIA LV de la Selva; 0910-0940 SS, ID's, LA instru mx (Anders Krueger 7/23)
- 6175 COSTA RICA Faro del Caribe; 1216 SS, rel mx (Jones 7/24)  
 6185 LIBYA PBS; 2210-2257\* AA, chants, ID, NA. Now signing off at 2300 as confirmed by BBCMS (Mayer 7/26, Cosier 7/22) 0535-0555 EE, nx by M, heavy static (Newman 7/3)
- 6185nf POLAND R. Warsaw; 0200-0210 EE/Polish, IS, W with ID, mx (Mayer)  
 6190 NETH. ANTILLES TWR; \*0330-0340 Polish, ID and into rel pgm (Gaffin)  
 6190 COLOMBIA LV de los Centauros; 1042-1105 SS, ID's, LA song (Moritz Hauser)
- 6190 CHILE R. Nacional; 0700 SS, LA mx, ad for Coca Cola (Brookwell)  
 6190 W. GERMANY Sender Fries Berlin; 2100 GG, nx, nice ID at 2110, into cmntry. Not R. Bremen pging at this time. Would be interested in: up-to-date sched for usage of this freq - when is Bremen pging available? (Padula 7/8)
- 6195 UNID. 0520-0535 lang, drums and chanting, lots of mx (Newman 7/3) My guess would be Sokoto.KCC.
- 6200 ALBANIA R. Tirana; 0330 EE, s/on, nx (Grow 8/10)

I can't sign off for the last time without saying thank you to Al Mayer Greg Ravenhorst and Mac for their splendid support during the past year. Also, a special thank you to old friend Gerry Dexter for his expertise and advice. Last of all, a thank you to all you reporters who faithfully sent in your loggings for without them there would be no LRB. I finally got my Hammarlund back from the repair shop and plan on doing a lot of DXing this fall and with luck will have something to report to these pages. For the most part it's been an enjoyable year, but I'm sure ready for a break so take it away, Sam.

73's *Ket*

## SECTION "C"

Log

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

6201-11700

Report

DEADLINE: 12TH OF MONTH



ALL REPORTS SHOULD BE SENT TO: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56015

- 6252t KOREA (NORTH) R. Pyongyang; 1225-1230 lang w/Asian orchestra mx (Lavery 7/20).
- 6384 MONGOLIA R. Ulan Bator; 1220-1240 lang w/talk by M & W. Strong signal. (Lavery 7/18)  
Would like more information if possible. Good Catch! -editor-
- 6400 CHINA R. Peking; 1100 lang w/tlk by a YL. IS at 1100 (Zilmer 8/1).
- 6995 CHINA R. Peking; \*2100 RR w/Bells/gongs IS "Govorit Peking" ID, RR nx.Fair (McNeil)
- 7075 EGYPT R. Cairo; 2236-2243 HS w/general AA pgm of singing, etc.Tlk by W in AA(Moritz)
- 7090 UNID; AA mx, chant, tlk from 0015 tune-in to 0100 tune-out. Only thing listed here  
Is Tirana, but they don't have AA pgm at this time. Might be Pak off Freq (7085 kHz)  
but still no Id to confirm. (Trautschold 7/29).
- 7100 USSR Yakutsk; 0820 w/M & W tlk in JJ lang. R. Moscow relay IS at 0830. Very strong  
and clear. (Brookwell 8/8).
- 7105 ASCENSION ISLAND BBC; 0300 EE w/IS, ID, freq., world nx (Green 7/9).
- 7110nf HUNGARY R. Budapest; 0310 EE Id, mx (Schwartz 7/17).
- 7110 MONACO TWR;0625-0800 EE Id, mx, religious sermon, Id (Schneck 7/31).
- 7120 ALBANIA R. Peking; 0015-0025 SS tlk on how man will overcome nature. Good (Gaffin).
- 7125 GUINEA Rdt Nationale; 0058-0105 FF w/Af-Mid East type mx, Ids, tlk (Hobbs 7/9).
- 7130 GREAT BRITAIN BBC; 0345-0400 EE nx, cntry, etc. HAM QRM! (Glazzy 8/5).
- 7150 KOREA (SOUTH) R. Korea; 0950-1000\* w/KK lang lessons, 1000 EE ID. Fair (Underdown).
- 7150 USSR R. Vilnius; 0040-0059\* EE w/letters from listeners.etc//9655,9720.Het(Earhart).
- 7150 USSR; Fifth pgm w/Radiostantsiya Rodina 0200-0300, 0300 R. Kiev // 7310 until 0300.  
(Butterfield 8/8).
- 7155 JORDAN R. Jordan; 0415-0508 AA mx, tlk by M, Id. Already QSLed this too! F(Krueger)
- 7165 ETHIOPIA ETLF; 0329 EE Id into Swahili pgm (Cain).\*0400 EE ID,nx(Butterfield,Green).
- 7165 RYUKYU ISLANDS VOA; 1112\* EE nx (Hobbs 6/17) 1245-1315 EE w/Jazz Hour,Id(Thompson).
- 7170 NEW CALEDONIA R. Noumea; 0600-0620 FF w/LA mx. Bad HET. (Brookwell 8/1). 0720-0750  
FF ID, mx w/moderate VOA QRM.(Lausevich 7/2). 1015 FF pop mx, nx. (Hutchins 7/28).
- 7190 MOROCCO VOA; 0215-0245 tlk & Id in lang (Cain). 0400\* EE ID & Yank Doodle(Brookwell)
- 7190 YEMEN (SOUTH) DYBS; 0330-0330 AA w/national anthem, Id, AA Mx (Cain).
- 7195 JAPAN NHK; 0959 IS, EE/JJ Ids into Chinese (?) pgm. Poor to Fair(Underdown)
- 7205 JAPAN NHK; 0856 IS, EE/JJ Ids into Korean Service Fair (Underdown 7/13).
- 7205a KOREA (NORTH) R. Pyongyang; 1010-1048\* EE nx & cntry abt US Imperialists(Underdown)
- 7215 AUSTRALIA R. Australia; 1505 EE w/Id, nx. Strong. (Poppin 7/29).
- 7215 HUNGARY R. Budapest; \*0200 EE IS, ID, DX Show,etc.//6000,9833,11910(Earhart,Green,  
Welch,Kay). \*0300 EE ID,nx,vocal mx,etc (Thompson). \*0400 EE w/DX Show. Answered  
question from Gerry Dexter on the status of the SW xntr at Lakihegy listed in WRTVH.  
Said it was MW site only & added that 9833 normally bears 250kw in the North  
American service. (Hauser 6/26). 2200\* EE w/nx, request center, pop mx (Clark 7/21).
- 7225 PHILIPPINES FEBC; 1100-1115 EE tlk & mx. Id at 1100. ARO QRM! (Cain).
- 7225 RWANDA DW; Swahili 0420 w/Latin type mx, EE ID & freqs at 0430 into EE nx(Brookwell)
- 7235 AUSTRALIA RA;0745 EE cntry & rock mx.HAM QRM(Brookwell)0950 EE Countdown pgm//7290
- 7235 YEMEN R. Sanaa; 0304 w/raedings from Koran//4852\*. Best ever (McNeil7/30)(Hutchins).
- 7255 RYUKYU ISLANDS VOA; 1000-1030 CC tlk & mx//7155 (Phillippines relay) (Cain).
- 7265 GERMANY (WEST) Sddeutscher Rundfunk; 0212 GG w/GG mx, ID! (Agner 6/22). Thank  
you for sending the tape, Mike.
- 7275 NIGERIA NBC; \*0600 EE ID, local nx, stock market report (Green 7/16).
- 7275 TUNISIA RTT; 2300-2332\* AA mx, tlk, National Anthem, s/off (Cain, Krueger 7/4).
- 7290 AUSTRALIA R. Australia; 0826-0831 EE. Reading letters, mx (Lavery 7/28).
- 7280 CHINA Chinese Peoples Liberation Army; 0800 w/sing song CC fast tlk. No mx(Brookwell)
- 7300 ALBANIA R. Tirana; 0239 EE ID & anti-imperialistic tirade w/out IS. Very noisy.  
(Brookwell 7/27). \*0330-0400\* EE Id, nx, tlk on W. Germany's military power(Glazzy).
- 7300 USSR; Presumed Kazan 0225\* AA pgm. S/off w/anthem type IS.Unintelligible ID(Brookwell)

- 7310 USSR Khabarovsk HS; 0345 RR w/Mayak pgm 2, 0400 IS, time rips, nx (Butterfield 8/7)
- 7320 USSR R. Moscow; 0400 EE w/anthem and nx. Poor (Noonan 8/5).
- 7320 USSR Magadan HS; 0530 RR w/1A pgm, IS, nx (Butterfield 8/6).
- 7325 GREAT BRITAIN BBC: 0230-0300 EE w/comedy show (Glazzy 8/7). BBC had a special 5-minute N. Atlantic ex summary, repeated and at slow speed, for an Atlantic yacht race; not publicized, but found 7/6 at 0330-0336 when said "Good Sailing" & played its "U" chimes to 0344\*; again 7/18 announcing this & 3952.5 only, but without postlude. Next time checked, 7/23, was not on; race over by then, I guess. (Hauser).
- 7335 CANADA CHU Time Station; 0111 EE & FF w/time announcements (Macris 7/14).
- 7345 CZECHOSLOVAKIA R. Prague; \*0100-0157\* EE ID, Nx on Jimmy Carter (Welch, Flotnick, Davenport). 0246 SS. Checking SS version of Listeners Club on 1st Sun of month (Mon following), 8/2 found it ran at 0246-0254 & was entirely political about Cuban relations! The nerve! (Hauser). 0300 EE ID, nx, mx, tlk about movies (Woltman, Green)
- 7390 USSR R. Moscow; 1901 EE w/freq. announcements, world nx. Strong signal (Hutchins)
- 7412.5 ISRAEL IBA; 0512-0517 EE nx about Olympics into FF pgm/9435, 9815 (Earhart 7/18)
- 7440 USSR R. Moscow; 2130-2200 EE nx & cmntry (Norby 8/6).
- 7670 BULGARIA R. Sofia; 0425 w/Greek pgm & mx, male & female announcers, 0430 IS into Albanian pgm & Id. Evidently WRTVH Greek should be 0400-0430 (Butterfield 8/7).
- 9020 CHINA R. Peking; 1428 CC w/revolutionary mx, group singing, etc. (Lavery 7/8).
- 9030 CHINA R. Peking; 1701+ RR nx, cmntry. Id in RR. Severe QRN (Poppin 7/14). (Poppin)
- 9080 CHINA R. Peking; 1636-1700 CC mx, opera, cymbal, strings for sound effects/9064.
- 9360 SPAIN RTVE; 024+ SS ID, cmntry, etc. V. Good (Poppin). 0304 SS ID, tlk, px (Green)
- 9410 GREAT BRITAIN BBC; 0436 EE "Your tuned to London" (Poppin). 1200 EE w/nx (Lavery).
- 9420 KOREA (NORTH) R. Pyongyang; 1617-1626 RR ID, nx, mx, etc. (Poppin 7/14).
- 9435 ISRAEL IBA; 0511 EE w/cmnyr on Entebbe. Into FF at 0515 (Mark 7/13).
- 9445 PAKISTAN R. Pakistan; 2130-2145 EE. Mostly mx. Fair (Newman 7/22). Clar
- 9475 EGYPT R. Cairo; 0223-0315 EE nx, AA mx. Poor modulation (Earhart, Schwartz, Poppin & Lavery)
- 9480 ALBANIA R. Tirana; \*2030 EE ID, IS & review of todays pgm. Nx abt Albania (Ware)
- 9500 USSR R. Moscow; 0230-0249 EE mx, nx, tlk, answering letters (Davenport, Conov.r.)
- 9500 USSR MAYAK; 1245-1310 RR w/easy listening mx until IS at 1300 (Wiseblood 8/5).
- 9503 PERU R. America; 0520-0536\* SS s/off without clear ID. ID's as "La Voz de America"
- 9505 PORTUGAL RFE; \*0357-0415 Bulgarian ID, nx (Nebron 8/6). (Lausevich 7/8)
- 9505 DOMINICAN REPUBLIC R. TV Dominicana; 0345 SS w/Non-stop Gershwin pgm. (Brookwell).
- 9505 SPAIN RTVE; 2034 EE nx to Europe. Fair signal (Yajko 7/22).
- 9510 GREAT BRITAIN BBC; 2330 EE w/Johnny Walker mx pgm, pop mx (Thunberg 7/24).
- 9510v KOREA (NORTH) R. Pyongyang; 1130-1150\* Lang tlk, mx to s/off w/IS. VOA not on the day so they were heard (Zilmer 7/14). 1250-1305 EE marching mx. 1300 Nx (Wiseblood)
- 9510 ROMANIA R. Bucharest; 1930 EE tlk, nx. Announced freq. as 9570kHz (Clark 7/24).
- \* 2010-2020 EE w/rock mx, tlk, cmntry, Id at 2020 (Trautschold 7/18).
- 9515 AUSTRALIA RA; \*0630-0700 EE IS, nx in EE (Wiseblood) 1100-1215 EE pgm (Thunberg, Lull)
- 9515 MEXICO La Voz de la America; 1430 SS ID, mx Fair signal (Mayer 7/18). Pyat
- 9515 TURKEY VOT; 2200-0030 EE nx, DX Corner, etc (Conrad, Schneck, Davenport, Thunberg, Laver)
- 9520 PAPUA NEW GUINEA NBC; 0530-0605 Pop mx, Id at 0600, nx, etc. (Wiseblood, Poppin).
- 9525 CUBA RHC; 0630 EE w/report on Cuban-Angolan relations (Thunberg 8/2).
- 9525 INDIA AIR; 2004-2210 EE w/nx, cmntry, Indian mx, etc. Hard to understand English. Much less QRN on 11620 or 9912 (Hauser 8/4, Blossom 7/8, Krueger 7/25).
- 9525 MONACO TWR; 0950 EE with Religious program (Anderson 7/25).
- 9525 SOUTH AFRICA RSA; 2100 EE w/IS, ID, nx pgm (Green 7/16).
- 9530 AUSTRALIA RA; 0642 EE Id mx "Capt. John Henry" (Poppin) 1444+ EE ID, Waltz, etc (Poppin)
- 9532 PERU R. Tacna; 1130-1145 SS w/OM, nx. Fair signal (Mayer 8/4).
- 9540 AUSTRALIA RA; 2040 EE w/DX pgm to 2050, mx to 2100, nx & Id (Bishop 7/31).
- 9540 CZECHOSLOVAKIA R. Prague; 0300+ EE ID, mx, topics of the day. (Macris, Hoffmann).
- 9545 GERMANY (WEST) DW; 2053 AA w/IS, Id. I listed this as (t) Syria in July LRC (Conov)
- 9545 SYRIA R. Damascus; 2130-2145 EE w/cmnyr & Trad. mx. M&W announcers (Lausevich)
- 9550 LIBERIA ELWA; \*1215-1220 EE w/FF Swahili ID, IS into FF pgm. Fair signal (Mayer 7/1)
- 9550 USSR R. Moscow; 2140-2150 EE w/guitar mx, then pgm on Soyuz/9720 (Noonan 8/5).
- 9560 AUSTRALIA RA; \*1030 CC w/IS, ID in EE then into CC pgm to S.E. Asia (Zilmer 7/21)
- 9560 ECUADOR HCJB; 0036-0053 IS of orchestra mx, Id, pgm notes (Welch 7/24). 0230-0300 EE w/DX Party Line (Lull 8/1, Thompson 7/22, Hall 8/3, Glazzy 7/11).
- 9562.3 PERU R. National; SS 1256 w/Peru mx. (Hauser 7/31).
- 9565 GERMANY (WEST) DW; 0130-0150 EE w/world nx and German nx (Lull 8/1).
- 9566 CHILE La Voz de Chile; 0030-0130 SS w/IS, ID, orch., piano, guitar mx, gave address (Thompson). 0121+ GG ID, cmntry, etc (Poppin). 2357 RR pgm (Hauser 8/1).
- 9570 ROMANIA R. Bucharest; 0130-0230 EE Id, mx, DX Show (Zilmer 8/3, Hall 8/3, Cain).
- 9575 ITALY RAI; \*0100-0120\* EE pgm (Rojewski, Flotnick, Schneck, Davenport, Macris, Green, Lull)
- 9580 ASCENSION ISLANDS BBC; 0300-0330\* nx about Britain, mx (Glazzy 8/7).
- 9580 AUSTRALIA RA; 1100-1200 EE w/news & focus (Davenport, Lull 6/17).
- 9580 UNID; 1145-1200 SS tlk. No Id hrd w/het on low side of RA. Salvadori, Carafuz? (Mayer)
- 9585 NEW ZEALAND RNZ; 0445-0458 EE. When 1105 signed off, said to goto 9585 & 6105. 6105 was covered but 9585 ok w/Olympic results. Big Hat at 0455. (Earhart 7/25).

- 9585 JAPAN NHK; 1201 EE with commentary (Jones 8/5).
- 9585 SOUTH AFRICA RSA; \*2056-2150\* EE IS, ID, cmntry, P.O. Box 4559(Schipelliti,Poppin). 2230-2320\* EE Panorama, Id, etc. (Poppin, Macris, Davenport, Lavery).
- 9585.8 SOMALIA R. Mogadishu; 1630-2002 Somali tlk & mx. Resembles Egyptian mx. Id's, etc. Earhart 7/11, Hauser 7/31, Conover 7/5, Moritz 7/5, Hobbs 7/9). (Poppin)
- 9585 HUNGARY R. Budapest; 0200 EE nx, cmntry (Zilmer). 0312+ EE Id. Hungarian at 0330.
- 9590 NETHERLAND ANTILLES R. Nederland; 0328-0400 SS w/IS, Id, orch. mx, nx.(Thompson).
- 9600 GREAT BRITAIN BBC; 0504 EE with news. Het (Mark 8/1).
- 9600 SPAIN RTVE; 2105-2115 SS tlk on Spanish political parties (Gaffin 8/6).
- 9600 USSR R. Kiev; 0030 EE w/tlk about relaxation of tension (Noonan 8/4).
- 9600 TAIWAN BBC; 2325-0005 CC operatic play w/lots of singing. Id at 0000. Heard mention of "Taiwan, Taipei". (Wiseblood 8/7).
- 9604.0 UNIDENTIFIED; 1850 with music hitting NHK (9605.0); lost after 1900 (Hauser 7/31).
- 9605 VATICAN STATE Vatican R.; \*0100-0115\* EE w/religious nx (Davenport, Norby 7/1).
- 9605 GERMANY (WEST) DW; 0130-0150 EE w/world and German nx (Lull 8/1).
- 9610 MALTA DW; \*2130 PP w/IS, ID, freqs (Jones). \*2300-0030\* SS ID & Freqs(Schipelliti).
- 9610 USSR R. Peace & Progress; 0415 SS w/ID into nx (Mark 7/12).
- 9610 USSR; ARSFRR QTH? SS pgm to 0430 Peace & Progress IS, then R. Moscow IS into RR Pgm w/old fashion Ballroom mx. Pac. Ocean IS at 0500 (Brookwell 7/25).
- 9610 AUSTRALIA ABC Perth; 1115-1300 EE w/nx, Horse racing, mx(Thunberg, Conover, Mark).
- 9615 MOROCCO RTVM; 2235-2255 w/AA mx & chanting, Id.//6170 hrd under noise(Trautschold).
- 9620 YUGOSLAVIA R. Belgrade; \*2200-2215\* EE nx,etc(Schneck,Newman,Blossom,Thunberg,Hall)
- 9625 CANADA CBC N. Service; 1029-1100 EE w/IS, ID, report on Olympics(Davenport,Lavery).
- 9630 SPAIN RTVE; 2215-2225 EE w/tourist nx and fandango mx (Gaffin 8/5).
- 9635 MALTA Voice of Hope; \*0700-0730\* EE religious pgm. Fair w/some QRM (Schipelliti 8/8)
- 9635 KOREA (SOUTH) R. Korea; 2000-2015 EE with nx pgm (Nebron 7/30)
- 9640 KOREA (SOUTH) R. Korea; 1000 EE Id into Commentary "Point of View"(Jones, Zilmer). 1425 KK tlk. No mx. Good Id in EE into CC pgm at 1430 (Brookwell) 1530-1600 EE w/nx Ids, Sunday Magazine (Underdown 7/11, McKrell 7/25).
- 9640 USA OAS; 2345 SS w/Popular mx of Chile and Paraguay (Macris 7/23).
- 9640 COSTA RICA TIFC; 0140-0200 SS w/LA mx and ID (Lavery 7/30).
- 9645 NORWAY R. Norway; 0015 EE ID, Norway this week (Green 7/11). 0200-0230 EE pgm (Lull 6/15). 0400-0430 EE w/NA, nx, tlk show, ID, s/off (Schneck 7/25).
- 9650 GERMANY (WEST) DW; 2220-2230 Serbo-Croat w/OM tlk, mx, IS, ID//11905(Trautschold 7/28).
- 9650 CANADA RCI; \*0100-0200\* EE w/IS, ID, nx, wx (Lull 7/27, Welch 7/26).
- 9655 USSR R. Vilnius; 0035-0059\* EE nx, mx, etc. (Kay). 7234 EE mail Bag, mx (IS).
- 9655 HUNGARY R. Budapest; \*2130-2200\* EE ID, IS, Good Signal (Schipelliti 8/8).
- 9660 VENEZUELA R. Rumbos; 1045-1100 SS Ads, SS mx, bells, Id. Man announcer (Davenport).
- 9664.0 COSTA RICA R. Reloj; 2 X 4832.0. 1245 w/rapid SS nx, TCs on the minute; wide fading range like 12012, more, I think, than propagation alone can account for.Rumbos QRM!
- 9665 GERMANY (EAST) RBI; 2010 EE nx, cmntry. Fair (Yajko 7/22). (Hauser 7/31)
- 9670 USA VOA Greenville; 0000+ EE ID, nx (Welch). 0355 EE w/Breakfast show, etc. (Hall).
- 9670 JAPAN NHK; 1500 KK/JJ Lang. lessons (Brookwell).1645 EE IDIndustrial Scene(Rojewski)
- 9675 BRAZIL R. Diario da Manha; 1030-1107 PP & International mx (Cain).
- 9675 PERU R. Del Pacifico; \*1110 SS ID (Cain). 1203 SS Singing, Id, Children mx(Jones).
- 9675 POLAND Polish R.; 0159-0230 EE Id, mx, talk feature, Id, s/off (Schneck 7/25).
- 9680 AUSTRALIA RA; 0548-0632 EE Id, TC, nx, mx "East of the Sun & West of the Moon" (Poppin). 0746-0800+ EE mx, storm warnings for Victorian waters. 0800 nx(McKrell).
- 9682 COLOMBIA R. Nacional; 0000 SS Speeches & Cheering at a political rally (Macris 7/20) 1300 SS Reloj del Mando, mx (Tannenwold 7/25).
- 9684.6 ALGERIA RTVA; Arabic type talk at 2145. Presumed Algeria (Hauser 8/1).
- 9685 USSR? R. Moscow; 0020 EE. After the 8/1 R. Moscow frequency changes, this one exhibited 8/3 0020 a hi-pitched hum, unlike all the other R. Moscow freqs checked; & sounded like relay off the air. This may mean it's Bulgaria; 0030 continued with R. Vilnius to Nam in Lithuanian (Hauser). 0322 EE tlk on books, jazz mx (Macris 7/19)
- 9685 USSR R. Vilnius; EE 0055 with s/off (Butterfield 8/8).
- 9689.8 ARGENTINA RAE; 0050 SS pgm with a low het (Hauser 8/2). 0255 EE nx & tlk on Argentina woman, mx (Mark 7/8). 0308-0334 EE & Argentine Pop mx & nx (Hall 8/3). 1056 SS IS, ID at 1100 "Aqui RAE, Rdif Arg. Al Exterior" into Japanese (sounded like JJ). (Jones 7/20). 1100 SS mx, talking w/male & female voices, mx, more talking(Wolman).
- 9690 ROMANIA R. Bucharest; 0410-0425 EE w/features (Lavery 7/7). \*2100-2130\* EE w/Bucharest Calling", music selection and talks of a music festival. Good(Schipelliti).
- 9695 BRAZIL R. Rio Mar; 1335-1341 PP tlk by M. Echo IDs into PP version of 50's rock song (Moritz 7/10).
- 9695 SWEDEN R. Sweden; 0150 SS "Radio Suecia llamando los cazadores de onda corta". I regularly monitor Sweden Calling DX-ers in EE, FF, SS & PP, and note that the FF version always dwets at least 15 minutes to the program, while in EE it is in fact a filler, depending on the length of the programming preceding it for its widely variable starting time (Hauser 7/28). 2300+ EE IS, ID, Comedy pgm(Thunberg, Welch).
- 9700 USA AFRTS; 1300-1315 EE. w/talk with a Hooker, sports (Mark 7/9).

- 9700 BULGARIA R. Sofia; 0000-0100 IS, ID, nx, statics on booming Bulgarian economy (Davenport, Welch 7/29). \*0400-0430 tlc, Bulgarian mx in EE (Nebron 8/6, Lull 6/ Woltman 8/6). 1910 FF w/FF DX Pgm which ran approx. 1910-1920 on 8/1, first Sunday a la Prague, dwelt on domestic MW skeds, of limited interest (Hauser). \*2000-2100 GG program (Schipelliti 8/8).
- 9700 USSR R. Moscow; 0130-0200 EE nx, cmntry (Norby 8/6). 0340 EE. Lists 0100-0500; t of course interferes w/Sofis's long established freq.; hrd 6/18. Other nights hear R. Sofia without R. Moscow QRM (e.g. 6/14) (Bowlsby).
- 9705 MEXICO R. Mexico; 1930 SS sports pgm (Bishop 7/31).
- 9710 ITALY RAI; 2135 w/IS hrd till 2135 apparent s/on but nothing heard because of R. Nederland on 9715. Any help on language? (Ware) Romanian -editor-.
- 9710 USSR MAYAK; 1737-1803 RR w/IS, chimes, TC "Moscow Time 21 Chasov", songs, mx, si minutes of unexcelled "Stenka Razin". 1802 "Your listening to Mayak" in RR (Poppin)
- 9715 HOLLAND R. Nederland; 2045 EE mailbox, mx (Thunberg). 2135 EE nx, etc (Ware).
- 9720 USSR R. Vilnius; 0032-0057\* EE w/IS, ID, nx, talk on young people (Conover; Mark)
- 9720 USSR R. Moscow; \*2100 EE w/Olympic nx, report of US Viking on Mars (Thunberg, Ware)
- 9725 USSR Yakutsk; 0602-0627 RR/Ukrainian w/light mx & songs, Radio Play, etc. G (Poppin)
- 9725 BELGIUM BRT-4; \*0015-0045\* EE pgm (Earhart, Snyder, Schipelliti, Grow, Davenport, Hall)
- 9725 SWITZERLAND SBC; \*0145-0215\* EE Dateline & Swiss Merry-Go-Round (Schipelliti, Lull)
- 9725 Hoffmann 0240\* SS tlc on demographics, Id, mx GG pgm, nx (Gaffin). 0430-0500 EE w/Dateline, nx, cmntry into Italian at 0500 (McKrell).
- 9730 GERMANY (EAST) RBI; \*0100-0145\* EE w/world & Olympic nx (Schipelliti, Hall, Hoffmann) 1740 IS, ID then into GG mx & tlc (Beaudoin)-I have it listed as Danis
- 9730 SAUDI ARABIA BSKSA; 2147 AA w/chanting. Think to be BSKSA because of format (Ware)
- 9740 MALAYSIA BEC; 0900-0930 EE nx, World Today (Bishop 8/6). 1530-1615 EE outlook ; comments on Saudi Arabia, USSR & China. World nx (Thompson 8/3).
- 9745 IRAQ R. Baghdad; 2015 EE w/mx, sked, IS and EE s/off at 2027 (Thunberg 7/20).
- 9745 USSR R. Peace & Progress; 0415 SS OM, 0420 IS YL tlc. Poor (Bowlsby 6/16).
- 9750 ALBANIA R. Tirana; IS, s/on 0231 by OM & YL. Lang uncertain as signal was very poor. Id by IS (Bowlsby 6/12) Language was Spanish -editor-
- 9750mf MALAYSIA V. of Malaysia; 0720 EE w/light Malay & Western mx. Excel. (Coiser-Austi)
- 9755 USA AFRTS; 0315 EE w/Fulton Lewis & John Chancellor (Macris) 0500\* EE ID, nx (Glaz)
- 9760 GREECE VOG; \*2357-0151\* w/Greek, EE & FF. EE nx at 0015 & 0215 w/nx on Turkey, USA & Germany. Etc. (Green, Schwartz, Snyder, Blossom, Bowlsby).
- 9765 GERMANY (WEST) DW; \*0430-0515 EE nx to Africa (Nebron 8/7).
- 9768 KOREA (NORTH) R. Pyongyang; 0440 SS by OM, mx, YL IDs, then NA to 0447\* (Bowlsby)
- 9770 AUSTRIA ORF; 0130-0200 EE nx, Id, features. (Schipelliti, Grow, Davenport, Lull, Schneck). 0330-0400 EE tlc by man & woman (Newman 7/21).
- 9770 GERMANY (WEST) VOA; 0400-0500 EE Breakfast Show (Bowlsby). Isn't this Kavala? -
- 9770 HAITI LVEH; 1130-1205\* EE nx, weather, religion pgm, etc. (Snyder, Thunberg, Conover)
- 9775 LIBERIA? VOA; 2201 EE. VOA now operating on band-edge channel (cf earlier 12000 report); closing EE at 2201; had that Monrovia sound, but no local Id, of course. Moscow followed on freq with PP to Brazil, and may have been using it before 2200 also. (Hauser 7/31). I also received a report for VOA 9775 but listed under USA. 2215 EE w/comment on Viking mission. Strong clear signal (Zilmer 8/1).
- 9780 ALBANIA R. Tirana; 0308-0355\* EE tlc of communism & Mongolian mx (Hoffmann, Woltman)
- 9780 YEMEN (NORTH) R. Sanaa; 0300-0330 NA, Id in AA, AA mx. Peking QRM (Cain). 1817 s/on, talk & tx (Beaudoin 7/11). 2100-2158\* AA vocals, nx, ID & NA close 2157.
- 9790 ALBANIA R. Tirana; 0220-0227 Albanian w/AA type mx, Id, NA (Gaffin 8/5). (Krueger)
- 9795 USSR; 0526-0551 RR Id, to Moscow time \*8 chasov, 50 minoot\*, cmntry of Freedom of Radio communications, spoke of Germany (German territory) (Poppin 7/13).
- 9810 USSR Vladivostok; RR tlc by Man, no mx. Recheck at 0650 opera & classical mx/9/ & 9600 (Brookwell 7/9).
- 9815 ISRAEL IBA; 2005\* EE nx, editorial opinion (Mark 7/16). 2230\* EE ID, nx, item on the devaluation of the Israeli Pound (Welch 7/18, Rojewski 8/7).
- 9825 GREAT BRITAIN BBC; \*2345 Thai w/IS, ID, etc (Rojewski 8/8). \*2030 IS ID in Lang (Thunberg 7/20). 0450-0500 AA ID, IS, BBC Chimes at 0500, nx summary (Poppin 7/ HUNGARY R. Budapest; 0225 EE w/female giving freq & times of broadcasts to N.A. EE (Fryou 7/18). 0312 EE cmntry (Jones 7/22). 0456-0500\* Hungarian w/ID, short xylophone, broken symphony mx. s/off at 0500 after ID (Poppin 7/11).
- 9850 EGYPT R. Cairo; \*0259 w/clock IS (similar to Big Ben), AA tlc into Chants (Bowlsby)
- 9859 GREAT BRITAIN BBC; RC SSB feeder in SS/9765 at 0400 (Hauser 8/4).
- 9860 CHINA R. Peking; 1527\* EE ID, cmntry on "Third World Marches on" (Poppin 7/14).
- 9912 INDIA AIR; 1948-2200 EE cmntry, mx (carrier off 1952-1954) QRM & QRN (Blossom 8/ GREAT BRITAIN BBC; 0300-0330 EE w/world nx & nx about Britain, etc (Thompson 8/ 0500-0516 EE w/IS, Big Ben, chimes (Poppin 7/13). 2330 EE w/Hit Parade (Thunberg)
- 9977 KOREA (NORTH) R. Pyongyang; 1000-1048\* in KK (?). Poor (Underdown 7/11). \*1800- 1830 EE ID, revolution nx, mx, cmntry, on reunification w/S. Korea & story about Great leader (Glazzy 8/4). 2105-2115 FF pgm w/KK mx (Bishop 7/31).
- 10000 USA WWV; 0206 Time announcements in EE w/propagation forecasts (Macris 7/26).

- 10040 VIETNAM VOV; 1015 barely audible in EE. Announcer mentioned Vietnam and "...broadcasting from Hanoi" 1015-1024 commentary, vocal mx, Id, etc. 1028\* or fade-out (Underdown 7/13). \*1300-1330\* EE ID, nx "Vietnam in Construction", mx & announcement of question-answering contest (Glazzy). 1644-1701 lang w/mx, tlk, Id's, nx at 1700 (Bishop 8/6).
- 11620 INDIA AIR; 2202 EE male w/nx, covered by heavy motor like noise (Blossom 8/9).
- 11625 ISRAEL IBA; 2205 FF pgm. 2230-2300 EE w/nx, editorials, Voices from Isreal pgm, discussion of Entebbe raid (Glazzy 8/2, Hoffmann 6/20, Schwartz 7/12).
- 11645 ISRAEL IBA; 2011-2029 EE w/ID, nx, Israel Hit Parade; 2030-2054 FF ID, cmntry, mx; 2055\* RR w/ID, Trumpets, nx, cmntry. Poor signal (Poppin 8/3, Conover 7/5).
- 11650 CHINA R. Peking; 2030 EE ID, nx, "The Third World Marches On" (Rojewski 8/4).
- 11672v PAKISTAN R. Pakistan; 1816-1830 EE nx by man into mx (Krueger 7/26). 2020 FF tlk, mx. Fair signal (Yajko 7/22). 2105-2145\* EE EE w/ID, nx, mailbag, rock & Arabic mx. S/off. (Hall 7/31, Snyder, Zilmer 7/23, Schneck 7/9).
- 11685 CHINA R. Peking; \*1200\* Nx, announcement of new pgm "Learn to Speak Chinese"; Chinese mx. (Jones 8/5, Bishop 8/6).
- 11700 DOMINICAN REPUBLIC R. Clarin; (Cf previous report of R. Clarin yelling numbers). A number of reporters to my Listeners Notebook point out that these are not stock market quotations, on a Sunday after all, but results of the National Lottery, a long-running institution. They are certainly right! (Hauser).
- 11700nf ISRAEL IBA; 2158 FF w/IS to 2200 then FF pgm under USSR. Heard a couple of times on unlisted frequency (Zilmer).
- 11700 VATICAN STATE Vatican Radio; 0100-0115 EE nx, religious cmntry//5995. 0115 into FF pgm (Norby 8/7, Sarrazin 7/24, Noonan 8/4, Conover 7/16, Zilmer 7/15).

Thank you to those who sent in DX tips this month! You have proven that there is DX to be heard in the Summer months!!

Hans Werner Schlotzhauer, 56 Wuppertal 2, Sedanstr. 123, West Germany will make a recording of the off-shore radio pirate Radio Caroline for a C60 cassette and 4 IRC's. He will also make a recording of Westdeutscher Rundfunk WDR2 Hit Parade for a C60 and 4 IRC's.

Until next month,

73, *Tom*

**VOICE OF AMERICA  
UNJAMMED IN USSR;  
'MILLIONS' LISTEN**

Moscow, Nov. 4.

While the debate continues in Washington whether the Voice of America should be the mouthpiece of U.S. policy makers or whether it should report the news about the United States, wars and all, the Voice seemingly remains the most important link between Soviet citizens and the United States.

As one of the fruits of detente, the Voice broadcasts are here. Now the Soviets can listen to the broadcasts from Washington without turning the volume down and having their ear glued to the speaker. They now talk openly about the programs they've heard even to foreigners. An American tourist in Kiev first learned about President Gerald Ford's automobile accident in Hartford, when his young Intourist guide said he had heard it on the VOA.

"Are you allowed to listen to the Voice?" the tourist asked.

"Of course, everybody does," was the reply, "I like the programs of rock music the best."

No accurate guess can be made of the number of listeners to the

...million, ever since the station has been operating in the clear. Another factor is that detente has generated a great deal of curiosity here about life in the United States. America has always been, for the Russians, a yardstick by which they measure their progress and well being in the Soviet Union.

One can measure this curiosity from the questions the Soviets ask American tourists; How many hours a day does an American laborer have to work? Do workers get free hospitalization? Can anybody go to college? How big an apartment does an American have? How much rent does he pay? Since very few Russians outside the large cities ever meet an American, the Voice tries to answer these questions.

(via Bob Foxworth,

**VARIETY**

Mineola, NY)



# Log

• Ed. Sec-D: Tom Overcamp  
Rt.2, Box CG71, Seneca, SC 29678



# Report

11701+ kHz

- 11705 VATICAN CITY VR: 2230 EE, rel nx, QRM Sweden, still on 11700 at 0100 to NAM (Zilmer)
- 11705 NEW ZEALAND RNZ: 0330-0500 EE, cricket, rugby, mx, //15130 (Bishop, Rhart, Hauser, Overcamp, Poppin, Zilmer)
- 11705 SWEDEN RS: 2300-2330 EE, 2330-0000 Swed, 0000+ SS (Newman, Sarrazin Ware); 0253-0330 EE into RR at 0300 (Poppin, Hauser-points out that IAm beam was incorrectly used 7/18); 2221 PP SCDXers (Hauser 7/31)
- 11710 ARGENTINA RAE: 2303-2330 EE, tlk on footwear exhibition (Macris, Poppin); 2302 SS, DX pgm (Hauser 7/17) / (Poppin 7/11)
- 11710 USSR RM: 0444-0459 EE, Mailbag w/ answer to Bill Oliver's question
- 11715 SWITZERLAND SBC: \*145-0215 EE, nx, mx, health pgm (Lull, Plotnick Ware); 0451-0505 EE into II at 0500 (Poppin 7/16)
- 11715 EGYPT RC: 2338-2350 PP, flute mx, annocmts, RHC QRM (Sarrazin 7/15)
- 11725 PHILIPPINES R Veritas: 1358-1413, lang into EE at 1400 with full ID, annoc'd //9610, "Our Asian Neighbors," "Asian Folk Tales," mx asks for ltrrs, Good reception but tx problems (Bowlsby)
- 11725 CUBA RHC: 0155 EE, "Box 7056" mailbag pgm, mx (Ware)
- 11730 NETHERLANDS RN-Lopik: \*2130-2250\* EE, nx block, Jukebox (Glazzy, Hancock, Macris, Ware); 0630-0750 EE, Happy Station, (Schipelliti)-site per RN freq sked is Bonaire - ed.
- 11730 MALAGASY REP. RN-Talata: 1958-2005 SS, IS, ID (Welch 7/24) - this has been EE on this time and freq - ed.
- 11730 SPAIN RTVE: 0745-0800 IS under RN-Bonaire until RN's 0750 s/off, carrier off at 0800 (Underdown 7/13)
- 11735 USSR RM: 2317 EE, DX pgm w/ short tlk on jamming and long tlk on harmonics (Hauser 7/22); 0030 R Kiev EE, nx, //11850 (Sarrazin, Yajk)
- 11740 INDIA AIR: 2130 EE, lcl mx til 0200 nx (Zilmer 7/23)
- 11740 USA VOA: 0339 EE, spec coverage of Dem convention w/ Ben Grauer, //11875 (Hauser 7/16) 0147 EE, ditto for Republicans (Overcamp 8/20)
- 11740 VATICAN CITY VR: 0630 Latin liturgy on Sunday, not at 0530 in tent sked for summer in WRTH (Sarrazin 8/1)
- 11745 ECUADOR HCJB: 1245 EE, mx, rel pgm (Ware)
- 11745 FRANCE RPI: 1015 PF, "Bolero" by Maurice Ravel, Fair (Schwartz 7/1)
- 11750 MALAYSIA BBC-Tebrau: 1203 EE, nx, RHC QRM (Sarrazin 7/15)
- 11750 ENGLAND BBC: 0200-0225 EE, nx, Press Review (Mark)
- 11750 AUSTRIA ORF: 1400 GG, tlk, mx (Zilmer 7/14)
- 11755 FINLAND RF: 2300-2330 Fin, to NAM (Zilmer 7/17); \*0400-0600 Fin, I ID (Mayer 7/22) // (Sarrazin 7/16)
- 11755 ARGENTINA R. El Mundo: 2115-2130 SS, tlks by many annocrs, Weak
- 11760 CUBA RHC: 0405 EE, nx, listener's ltrrs, annoc'd by Nora Martin & Susan Leavitt (Fryou 7/19)/ long path propagation (Padula-AUST 7/12)
- 11765 INDIA AIR: 0735-0740 Dari to Afghanistan on day w/ poor European
- 11765 CANADA RCI: \*0400-0600\* EE, nx, Magazine (Nebron 8/7)
- 11775 SWITZERLAND SBC: 0920 EE, pgm on Olympics (Anderson 7/26)
- 11780 AUSTRALIA RA: 0500-0600\* EE, pop mx (Nebron 8/7, Schipelliti 8/8)
- 11780NF IRAN NIRT: 0200-0230\* 1st pgm believed for overseas, s/off w/ anthem, //15084&9765 (Padula-AUST 7/11)
- 11780 ENGLAND BBC: 2150 EE, Olympic rpt & "The World Today," (Macris 7/1)
- 11780 BRAZIL RNB: 2100-2105 EE, ID, nx, knocked off by BBC at 2105 (Hancock 7/19)
- 11785 IRAQ RB: 1130-1140, weird AA mx, strong w/ jamming (Sarrazin 7/15)
- 11787.1 ALGERIA (Tent): AA talk (Hauser 7/31)
- 11790A INDONESIA VOI: 1259-1402 FF, old US MoR hits, into EE at 1402 (Sarrazin 7/16); 1445-1500 EE, nx, cmntry, ID (Green 7/20)
- 11790NF BELGIUM BNT: 0600 DD, ex 11775 (Padula-AUST 7/12)
- 11795 RWANDA DW-Kigali: 2155-0025 GG, IS, ID, nx, mx (Sarrazin 7/15)
- 11800 CANARY ISLANDS RTVE-Tenerife: 0200-0245 SS, mx & tlk (Newman 7/7)

- 1800 ETHIOPIA ETLF; 0530-0600 EE, nx, rel pgm, AFRIS QRM (Hancock 7/1)  
 1805 USSR RM; 0000-0028\* EE, nx, cmntry (Norby 7/3)  
 1810 INDIA AIR; 1415 EE, ID, Indian nx (Green 7/9) /mer)  
 1815 BRAZIL R Brasil Central; 1015-1645 PP, ID (Hauser, Sarrazin, Zil-  
 1815 POLAND PR; 0200-0220 EE, contemporary Pol mx (Lausevich); 0300-  
 0330, nx, mx, cmntry, address for rts, (Cain)  
 1815 NETH ANTILLES TWR-Bonaire; 1148-1240\* EE, DX Special, rel pgm, ID  
 (Jones, Sarrazin, Ware)  
 1825 SOCIETY ISLANDS FR-3 Papeete; 1630-1645 PP, pop mx (Trautschold);  
 0400-0630+ PP/Tahitian, pop&island mx, Good(Conrad, Hutchins,Thompson  
 1835NF AUSTRIA ORF; \*2300-2310 GG, IS, ID, nx Fair (Mayer 8/6) /Ware)  
 1835 HAITI 4VEH; 1209-1325 EE, rel pgm (Hall, Hauser, Lavery, Jones,  
 1840NF ECUADOR HCJB; 0949-0959 EE, "DX Party Line," annced 6130&9745 for  
 S Pac but only 25 m for Eur, possibly test freq (Hauser 7/20)  
 1845 KUWAIT RK; 1815-19 EE, ID, pop mx (Cain, Clark 7/23, Hall, Sarra-  
 zin, Schneck, Schwartz)  
 1855 SAUDI ARABIA BKSA; 1144-1150 EE, M voice w/ US accent, AA mx, Very  
 Poor (Sarrazin 7/15)  
 1860 S KOREA RK; 1130-1200\* EE, ID, nx, "Sunday Magazine (Anderson,Under  
 down 7/1); 1340-1400 EE, cmntry (Yajko, Thompson); 1806-1828 EE  
 (Cain, Macrig) 2000 EE, nx, "Sunday Magazine," (Bishop)  
 1860 NORWAY RN; \*2255 NN, IS, ID, EE ID (Ware)  
 1865 W GERMANY DW; 0130-0150 EE (Lull 7/4) / on Monday GMT? - ed.  
 1870 NORWAY RN; 0600-0630 EE, nx, tlk on eggs (McKrell 8/1- isn't this  
 1877 SAUDI ARABIA BKSA; 0555-0620 AA, nx, ID, some EE at brief intervals  
 mx (Lausevich 7/17)  
 1880 TURKEY VOT; 2200-0115 EE, nx, DX pgm (Cain, Green, Noonan, Norby,  
 Poplin); 0600 EE/FP, nx by W on Olypics, alternating EE&FP into  
 AA mx (Sarrazin 7/21) lti 8/8)  
 1880 ZAMBIA RZ; 0600-0610 EE, man tlking & vernaculars, Poor (Schipel-  
 1885 BRAZIL R Maua; 1045 PP, tlk, mx, jingles (Zilmer 7/16); 2347-0003  
 PP sports, mentioned several stations in net but not Maua or Ipa-  
 nema as reported, measured 11885.9 hetting RFE/11885 (Hauser 8/2)  
 1890NF SOUTH AFRICA RSA; 2230-2320 EE, ex 11900, //958&5980, (Hauser,  
 Mayer, Zilmer)  
 1890 PHILIPPINES FEBC; 0820-0900 EE, ID, "Operation Friendship," "Back  
 to the Bible," (Bishop 8/2, Underdown); 1115-1125 EE rel (Underdown)  
 1890 OMAN OBS; 0240-0310 AA, M w/ nx, AA hits w/ M host, 0300 mentions  
 of Oman, possible nx to 0310 t/o (McNeil 7/18) /Krell)  
 1890 E GERMANY RFI; \*0330-0400 EE, ID, nx, sports, cmntry (Glazzy, Mc-  
 1900 USA UNR; 1930-2005 EE, clas mx, ID, into UN meeting (Trautschold,  
 1910 ITALY RAI; \*0140 II, IS, Very Faint (Ware)  
 1910 CLANDESTINE Voice of the Free Canary Is-via Algiers; 2133 SS, fast  
 SS tlk by M, mentions of Canary Island& Madrid, jamming (McNeil)  
 1915 CANADA RCI; 0740-0800 EE, ID and tlks (Schipelliti 8/8) / son,Ware)  
 1915 ECUADOR HCJB; 0145-0245 EE, "DX Party Line," (Grow, Macris, Thomp-  
 1915NF TAIWAN VOFC; 2315 CC langs, // usual 11860 (Padula-AUST 7/3)  
 1915 BRAZIL R Gaucha; full ID (gah-00-shuh) 49&25 m freq at 0004, in  
 clear until HCJB s/on (Hauser)  
 1920 IVORY COAST RTVI; 1630 PP, Af mx, ID (Tannenwald 7/25)  
 1925 NETHERLAND ANTILLES TWR; 0045-0130 EE, "Radio Today," "DX Special"  
 (Bishop 8/4, Hancock 7/7)  
 1925NF RWANDA DW-Kigali; 2200 PP, IS, ID, location, freq, nx (Green 7/5)-  
 must be new time for PP pgm&freq for Kigali-not in June sked - ed.  
 1925 BRAZIL R Bandeirantes; 1030 PP, slow tlk, ads, jingles (Zilmer)  
 1930 CUBA RHC; 0100-0140 EE, nx, cmntry, "Spotlight on L Am," (McKrell)  
 1930 PHILIPPINES VOA; 0738-0810, mx, EE ID & Yankee Doodle at 0800 into  
 RR w/ nx (Brookwell 8/3)  
 1935 PORTUGAL RP; 0521-0531 EE, pgm to NAM, moved from 0430-0500, hrd  
 several days (Earhart 7/18, Hoffman 6/27); \*0230-0300\* EE, ID, nx  
 (Green 7/27, Schipelliti 8/8)  
 1937 BRAZIL R Clube de Paranaense; 1030 PP, tlk, mx, ads (Zilmer 7/16)-  
 earlier than 1200 s/on listed in WRTH-76 - ed.  
 1940 LIBERIA ELWA; 2030-2050 EE, "Back to the Bible," (Newman 7/6); 0645  
 -0715 EE, IS, ID, nx, tlk, faded under QRM (Hancock 7/18)  
 1940 SINGAPORE RS; 1530-1545 EE, W w/ nx, TC, vocals (Thompson 7/27)  
 1940 ROMANIA RB; \*0400-0425\* EE, nx, cmntry, interview (Glazzy, Mayer)  
 1940 CANADA RCI; 0100-0157\* EE, nx, Olympics cmntry (Glazzy, Lull)  
 1945 ENGLAND BBC; \*0530-0545\* EE by Radio to Europe, annced //90200 (FM)  
 (Earhart, Mark) - FM& 809 kHz are shown in London Calling but I can  
 not find listed in Germany country section WRTH? - ed.

- 11950 HOLLAND RN-Lopik; 2220+ SS, "Espacio DXista," w/ gh's lesson on harmonics, new host Colombian Jorge Montealegre (Hauser 7/30)
- 11955 SWEDEN RS; 0030-0100 EE, IS, ID, nx, cmntry (Norby 6/29, Welch)
- 11955 MALAYSIA BBC-Tebrau; 1152-1200 VV, nx, mx, into CC at 1200 (Sarra-)
- 11965 SPAIN RTVE; 0330-0335 SS (Newman 7/4) /zin 7-15)
- 11965 PHILIPPINES VOA; 0900 EE ID after RR tlk pgm (Brookwell 8/3)
- 11970 USSR RM-Vlad; 0830-0900 CC, //11940, RM IS at 0900 (Brookwell 8/3)
- 11990 CZECHOSLOVAKIA RP; 1600 EE, ID, cmntry on Portugal, (Rojewski 7/26)
- 0300-0310 EE, ltrts frm Monitor Club members (Fryou, Green); 0450-0500 EE, general nx, into Czech at 0500, said it would return at 1330, unlisted (Barhart 7/31)-SS shown for 5/76 sked via BBC MS?
- 12000 AUSTRALIA VNG; 0540-0750 EE, time pips, annmnts (Bishop, McKrell, Sarrazin)
- 12000 USSR RM; 0540-0600, mx, tlk, //12035, 12050, VNG QRM (Bishop 8/6)
- 12020 USSR RM; 0330-0400 EE, to WCNA (Glazzy); 2213 PP, ID, nx (Sarrazin)
- 12050 USSR R Kiev; 0030-0040 EE, IS, nx, QRN (McKrell 7/24)
- 12055 USSR RM; 1630 EE, Af Svc, Poor (Beaudoin 7/7); 2220 SS (Sarrazin)
- 12095T ENGLAND BBC; 1616-1622 EE, Very Poor, British Accent (Mark 7/24)
- 12250 CHILE R. Colo Colo; 1551-1601 SS, tropcl mx, ads, mentions Soc. Nacional de Agricultura, "Informa Radio Colo Colo, primera en la noticia," ads, nx, here at 1830, unexplained (Hauser 7/31)
- 13493.8 USA VOA; 1623 EE, jazz show, feeder tx (Hauser 7/31)
- 14670 CANADA CHU; 2209, ID and time pips (Snyder 7/23)
- 15010 VIETNAM VOV; 1800 EE, nx, cmntry, contest questions (Zilmer 8/8)
- 15045 CHINA RP; 0135 SS, tlk, Fair (Yajko 7/22) /Schwartz, Ware)
- 15060 CHINA RP; 0000-0030, 0120, 0430 EE (Clark, Barhart, Glazzy, Newman)
- 15070 ENGLAND BBC; 0652-0702 EE, WS w/ Olympics (Poppin 7/17); 1750-2120 EE, mx, "Jolly Good Show," (Ware, Newman)
- 15084A IRAN NIRT; 1314-0030 Farsi, mx, chants, tlk (Schwartz, Sarrazin, Poppin, Newman); 15083.8 measured the BBCMS lists 15085 (Hauser)
- 15100 ISRAEL IBA; 2018 EE, tlk about Arab women, Good (Hutchins 7/26)
- 15100 USSR RM; 0330 EE, to WCNA (Jones 8/1, Mark 7/13); 0450 EE (Poppin)
- 15105 JAPAN NHK; 0259-0315 EE, nx, cantry on Tanaka&Lockheed scandal, in to JJ at 0315 (Thompson 7/29); 0400 EE, ID (Overcamp 8/17)
- 15105 GRENADA RG; 2000-2130 EE, pop mx, soap ads, nx (Krueger 7/9, Hancock 7/17, Green 7/10)
- 15105 ADENSIION ISLAND BBC; 1200-1215, ee-FF lang lesson (Zilmer 7/18)
- 15110 FINLAND RF; \*1400-1430\* EE, ID, ltrbox (Schipelliti); 1355-1358 IS and tx off, no pgm today (Mark 6/30)
- 15110 USA WINB-Sciuate; 1710 EE, //15440 (Lavery 7/25)
- 15115 ECUADOR HCJB; 1500-1615 EE, "Morning in the Mnts," (Lavery 7/25)
- 15120 VATICAN CITY VR; 2110 PP, into EE nx at 2115, Poor (Bowlsby 6/13)
- 15125 SOUTH AFRICA RSA; 1020-1030\* PP, hard rock w/ W. pgm named "Clube Pop," ID at s/off (Cosler-AUST 7/31) - sked Monday-Saturday only - ed
- 15130 NEW ZEALAND RNZ; 0148-0400 EE, National Pgm, //11705 (Zilmer, Thompson, Overcamp, Hauser, Dubrick) - possibly ex 15380? - ed.
- 15135 NORWAY RN; \*0700, EE&NN ID into NN rel pgm (Cosler-AUST 7/25)
- 15140 SWITZERLAND SBC; 1310-1345 EE, "Dateline," (Macris, Grow); 1408-1415 GG, into PP at 1415 (Sarrazin); 1445 FF into II (Ware) /artz
- 15150 CHILE VOC; 1320-1330 EE (Cain); 1430-1435 EE (Nebron) 0000 RR (Schw)
- 15155 FRANCE RFI; 1443-1455 FF, magazine type pgm, Poor (Sarrazin 7/16)
- 15159.8 MEXICO XEWV; 0058 SS, weak mod, TC, het 15160 (Hauser 8/4)
- 15160 AUSTRALIA RA; 0320-0340 EE, //15240, 15320, 15335 (Dubrick 7/28)
- 15160T ALGERIA RTVA; 2135-2155 AA, mx, VOA QRM (Lavery) / Sarrazin 7/15)
- 15165 DENMARK RD; 1558-1609, EE ID into DD pgm (Welch 7/18) 1825 DD, Wea
- 15170 SOCIETY ISLANDS FR-3-Papeete; 0130-0642 FF&Tahitian, nice mx-islan (Thompson, Schwartz, Poppin, Dubrick)
- 15175 NORWAY RN; 1400-1430\*, 1600-1630\*, 1800, EE on Sundays in "Norway This Week," (Many nice rpts) - 250 kW tx off since mid-July but will return after repairs says Pedersen via SCDX #1389
- 15185 USA WINB-Red Lion; 2200 EE, rel pgm (Grow 8/9)
- 15185 SRI LANKA VOA-Colombo; 0100-0130 EE, nx (Newman 7/22); 0305-0315 EE nx, fading (Mark 7/13)
- 15185 SEYCHELLES FEBA; \*0413 lang, xylophone IS, IDs in lang, ex 15270, 11810 not in use at this time, but no 25 m tx found (McNeil 8/9)
- 15190 CONGO RTVC; 1752-1807 lang, lcl mx, tlk w/ mentions of Namibia & S Africa (Hobbs 6/11); 2115-2140 EE, ID, nx into lang & mx at 2125, WINB QRM (Hancock 7/17); 2130-2145 lang, possibly EE (Newman 7/21)
- 15190 NETH ANTILLES RA; 1645 EE nx, (Beaudoin 7/6) - sked for 1040 -1650 Mon-Fri for EE/DD, //12775 - ed. /according to sked (Mayer)
- 15190 AUSTRALIA RA-Carnarvon; 0340\* EE, country mx, site ID at s/off, not

- .5200 FRANCE RPI; 1610-1625 EE, "Paris Calling Af," (Trautschold 8/2)
- .5205 USA VOA-Dixon; 2330-0000 EE, "Science Digest," (Newman 7/21) - site per VOA sked but used by four other sites during day - ed.
- .5210 USSR RM&R Kiev; 0030-0059 EE, Kiev to NAM (Poppin, McKrell); 0200 EE, RM, answer to Bill Oliver's question (Poppin 7/10)
- .5210T EGYPT RC; 1933-1950 Hausa presumed, chants, then M w/ tlk to 1950 then AA mx, no ID (Mayer 8/8)
- .5210 BELGIUM BRT-4; 1301-1315+, IS, ID in 5 langs, DD tlks into FF at 1315 (Beaudoin)- sked FF(M.W.F.), DD for missionaries(T.Th.Sun) & DD/FF pgm for seaman(Sat). All 1300-1330 to Af&Far East - BBMS
- .5215 PORTUGAL(T) RFE; 1545-1630 Rumanian, rock mx w/ M DJ, ID at 1600 into nx, cmntry (Trautschold 7/31)
- .5220 SOUTH AFRICA BSA; 0630-0648 EE, Ray Coniff mx into sermon(Earhart 7/18); 1303 EE, big band mx (Mark 6/30)
- .5225T TUNISIA RTVT; 2220-2334\* AA, chants, possibly ID by W at 2259, M w/ nx into chants to 2331, tlk then NA at s/off, Poor (Bowlby 6/13)
- .5225 UNID; 0610-0615 AA, VOPC co-channel, possibly Tunisia (Padula-AUST)
- .5240 AUSTRALIA RA; 0000 EE, nx, S Pac pgm, listed 10 kW (Brookwell); 0310-0400 EE (V Newman 6/23)
- .5245 ZAIRE LvdZ; 2015- 2305 FF&vernaculars, FF ID, Af mx, //15350, (Lavery 7/24, Jones 8/3)
- .5245 CUBA RHC; see August LN-3 for interesting reception of RHC spurs here and elsewhere (Hauser 7/23) (Ware)
- .5245T SAUDI ARABIA BSKSA-Riyad; 1815 AA, slow chants then talk by M,
- .5250 ROMANIA RB; 1310 EE, tlk on Olympics, Fair (Yajko 7-23)
- .5270 JAPAN NHK; 0015-0027 EE, NAM Svc, mx, tlks (Beaudoin 7/12)
- .5273.4 URUGUAY SODRE; 0001 SS, hrd "CX6" ID, mx, ads (Hauser 8/1)
- .5280 USA KGEI-Belmont; 2320-2330 SS, Olympic nx, ID (Dubrick 7/28)
- .5280 MALAYSIA BBC-Tebrau; 1030 EE, quiz pgm, //15310(Tebrau) into nx at 1100 (Zilmer 8/2)
- .5280 POLAND PR; 0200-0300 EE, nx, cmntry (Lavery 7/25)
- .5290 PHILIPPINES VOA; 0040-0100\* EE, mx, tlk by M&W (V Newman 7/22)
- .5290 AUSTRALIA RA; 0603-0612 FF, songs w/ M DJ, Fair (Earhart 7/18) - see also August LN-7 for reception here and on 15240 by Hauser
- .5300 PHILIPPINES FEBC; 0810-0900 lang, ID, instrumentals and vocals, Good (Poppin 7/18)
- .5305 SWITZERLAND SBC; 2100, EE, nx, "Dateline," to Af (Zilmer 7/27)
- .5305 SWEDEN RS-Hoerby; 1250 EE, interviews, Strong (Sarrazin 7/15); 1400 -1430 EE, nx, tlks, Fair (Schipelliti 8/8)
- .5320 NETHERLAND ANTILLES RN-Bonaire; 2305-2315 SS, nx, ID (Dubrick 7/28)
- .5320 NETHERLAND ANTILLES TWR-Bonaire; 2140 lang, IS, ID, //15275 (Conrad 8/8) - WRTH shows NN pgm w/ 15275 to Eur&15320 to SAM - ed.
- .5320 AUSTRALIA RA; 0100-0300\* EE, various pgms including "Dxer's Calling (Trautschold, Thompson, Rojewski, Poppin, V Newman, Kay, Dubrick)
- .5325 CANADA RCI; 1510-1530 Ukrainian, ID, IS (Thompson); 2230-2245\* extension of Armed Forces Svc in EE (Hauser) 2100-2130 EE, Olympics (McKrell 7/25); 1630-1650 EE/FF, Armed Forces Svc (Anderson 7/23)
- .5325T SAUDI ARABIA BSKSA; 1600-1625 AA, chants until RCI s/on, also 0700-0712 during break in RCI (Lavery 7/17) - not in Apr/May sked for external svc via BBMS - ed.
- .5335 EGYPT RC; 2130 FF, tlk to Waf, mx w/ EE records (Zilmer 7/13)
- .5340 PORTUGAL RP; 1820-1830 EE, mx, into FF at 1830 (Bishop 8/3)
- .5340 CUBA RHC; 0040-0045 SS, ID, Olympics rpt (Dubrick 7/28)
- .5345 ARGENTINA RAE-LRA33; 1440 SS, tlk, pop mx (Mark 7/6); 180-1830 SS, IAM mx, nx (Lavery 7/28)
- .5345 NORWAY RN; 1535 NN, W w/ nx, Poor w/ QRM (Plotnick)
- .5345 NETHERLAND ANTILLES TWR-Bonaire; 2330 PP into GG w/ "R. Transmudial" ID, down frm 15350 (Hauser 8/1); 2240-2300 PP, rel mx (Dubrick)
- .5355 USA KGEI-Belmont; 0116 Quechua pgm ending into SS, het frm RTVE, possibly 1st use of lang for USA tx (Hauser 8/4)
- .5355T CANARY ISLANDS RTVE; 0122 SS, wavering het w/ KGEI above showing one tx is unstable, //9630 for ID, probable Canary down frm 15365
- .5365 CANADA BBC-Sackville; 1605-1614\* EE, nx, Olympics rpt, ID (Welch) 1505-1520 EE, nx, not in sked but Sackville listed 1100-1215, 1600-1730 (Earhart 8/7) /zin, Hauser-measuring 15384.7)
- .5385 MEXICO XERMX; 1440-1525 SS, 0310-0340 SS (Earhart, Dubrick, Sarrazina, Good except QRM (Hancock 7/19)
- .5400 VENEZUELA RNV; 2200-2230 EE, ID, nx, mx, story abt name of Venezuela,
- .5415 AUSTRALIA ABC; 0345-0350 EE, story, ID (Dubrick 7/27)
- .5415 USSR RM; 0430-0500\* IS, ID, lang to 0445 then EE in Af Svc to s/off (Underdown 7/13, Brookwell 7/21)

- 15425 AUSTRALIA ABC-VIW15 Perth; 0255-0617 EE, nx, cmntry, kindergarten  
pgm, etc (Underdown, Rojewski, Mark, Cain) / 8/6)
- 15425 SRI LANKA SLBC; 0220 EE, ads, soul mx, dedications, Fair (McNeill)
- 15430 JAPAN NHK; 0625 JJ/EE IDs, into Swedish pgm (listed), Fair (Under-  
down 7/13); 0745-0800+ FF pgm w/ EE ID at 0800 (Poppin 7/18)
- 15490 VENEZUELA RNV; 2215-2249\* EE, Ven mx, history of International Sv  
IDs w/ freq announcement of 6170, 15390, probably an error (Hauser  
8/3) - rptd by Jäger in SCDX#1390 on 15495, usually on 15400 - ed
- 15540 ISRAEL IBA; 2230-2245 EE, nx, Fair (Earhart 8/2)
- 15650 KOREA(N) R Pyongyang; 2200-2248 KK, tlk, KK mx (Lavery 7/11)/well
- 16220 USA VOA; 2230 PP, AM feeder, nx, EE ID, "Yankee Doodle," (Brook-  
-)
- 17665 PAKISTAN RP; 1630-1645\* EE, nx, cmntry to s/off (Zilmer 8/6); 150  
-1520 AA, tlks by M, ID (Beaudoin 7/11) - possibly Urdu for lang?
- 17685 ISRAEL IBA; 2005 EE, nx abt Israel, Good (Yajko 7/22)
- 17715 ENGLAND BBC; 1430-1445 AA, tlks between 2 men (Gaffin 8/7)
- 17720 CLANDESTINE R Namibia; 1610-1735+ EE FF, nx, ID, cmntry, into FF (  
1648, covered by WINB co-channel at 1735 (Cain 7/31) /schold)
- 17745T EGYPT RC; 1840-1900\* AA, MOR mx, M&W tlk, s/off w/o ID (Traut-  
-)
- 17785 FRANCE RFI-Cooperation Radiophonique; 1515 FF/EE, announcement  
that 1 EE spot following several in FF, 17780 carried general svc  
(Hauser 7/31) - coop svc relays pgms to Af for rebroadcast - ed.
- 17795 AUSTRALIA RA; 0005-0020 FF, DJ pgm w/ EE rock (Gaffin 8/7); 0100-  
0300\* EE, nx, features, DX pgm (Norby 7/4, Plotnick 8/11)
- 17800 USA VOA-Greenville; 1609 EE, "Words and Their Stories," "Time for  
Jazz," (Macris 7/24) /fin 8/7)
- 17800 NORWAY RN; 1446-1510 NN, marine wx, IS, NN&EE ID into NN nx (Gaf-  
-)
- 17805 PORTUGAL RPE; 2140 lang, tlk & mx (Gearhart 7/19) - sked for Polk
- 17810 NETHERLAND ANTILLES RN-Bonaire; \*1830-1835 FF, IS, ID, nx (Ware)
- 17815 ISRAEL IBA; 1820-1835 RR, W w/ tlk, IS&OD at 1830 into M w/ tlk  
(Trautschold 7/28)
- 17820 CANADA RCI; 1845 EE, tlk on names for dogs and cats (Ware); 1645-  
1700\* FF in Armed Forces Svc (Gaffin 8/5)
- 17825 VATICAN CITY VR; 1515-1530\* EE, rel nx, Poor Beaudoin 7/10)/17850
- 17855 FRANCE RFI; 1625-1640 EE, listener's mail, mx (Gaffin)- sked for
- 17870 AUSTRALIA RA; 0203 nx, ID, weak (Underdown); 0400 EE (Dubrick)
- 17880 JAPAN NHK; \*0200, Gen Svc, EE ID, nx, Poor (Underdown 7/12)
- 17880 MALAYSIA BCC-Tebrau; 0020-0030+ EE, "Radio Newsreel," ID at 0030  
into "English by Radio," Poor (Underdown 7/12)
- 17885 USSR RR; 1445 EE, Af Svc, nx, cmntry (Beaudoin 7/11)
- 17885 CUBA RHC; 2105-2115 EE, tlk on "World Youth Festival," //17799  
(spurs) (Dubrick 7/27)
- 17900 VATICAN CITY VR; 1700-1715 EE, tlk on the 41st International Eucha-  
-ristic Conference in Philadelphia (Gaffin 8/5, Beaudoin 7/8)
- 18080 ENGLAND BBC; 1318 Cantonese, tlk (Yajko 7/13)
- 21460 BELGIUM BRT-4; 1450-1510 FF, EE songs w/ FF tlk, Good (Beaudoin)
- 21485 USA VOA-Bethany; 1701-1905 EE, "African Panorama," (Dubrick 7/28,  
Welch 7/24) / 7/27)
- 21610 ENGLAND BBC; 1324 EE, nx on S Africa, into Worl Radio Club (Green
- 21670 USA VOA-Greenville; 1855-1858 EE, big band jazz (Dubrick 7/28)

Many thanks for all who took the time to share their logging this month. Your continued support is appreciated.

By the time you read this, we will be in the short fall season (S76) in which some of the international broadcasters shift frequencies as the Northern Hemisphere moves toward shorter days.

- Next month let's try to report on the frequency changes that occur.
- Remember that over 90 NASWA radio countries were reported in the October-December FRENDEX last year for frequencies above 11701 kHz.
- For beginners to our hobby, these frequencies will give many regular scheduled, English broadcasts to North America on established frequencies.
- For our "Down Under" members, welcome to your high bands DX season!

Send your reports to Greg by September 12th and best of DX for you.

73s,  
Tom

Thank you, 61 Reporters!! Hang in there! Winter's coming pretty soon.

Mike AGNER, Waldwick, NJ...Michael ANDERSON, Willow Grove, PA...Robert BEAUDOIN, Bridgeport, CT (R-388)...Tom BLOSSOM, Austinburg, OH (SPR4)...Jeff BOWLSBY, Vancouver, B.C., Canada (SP-600)...Larry BROOKWELL, San Diego, CA (R4B)...Robert BUTTERFIELD, Belmont, MA (HQ-100)...Roy CAIN, Monroe, LA (DX160) John CLARK, Chester, WV...James CONRAD, Waterloo, IA (XCR-30)...Geoff COSIER, Burwood, Vic, Australia (Trio 9R5DS/Sony CRF160)...William DAVENPORT, Nashville, TN (DX-160)...Tony DUBRICK, Urbana, IL (HQ-180A)...Kenneth EARHART, Allentown, PA (DX-150/SX-190)...Allen FRYOU, New Orleans, LA (BC-794B)...Adam GAFFEN, Brooklyn, NY (SSR-1)...Emery GEARHART, Springfield, OH (SPR4/CR-30)...Mike GLAZZY, San Jose, CA (SX-130)...George GREEN, Houston, TX (DX-160)...Wayne GROW, Philadelphia, PA...John HANCOCK, Mobile, AL (SPR4)...Editor Glenn HAUSER, Knoxville, TN (HQ-160)...Bobby HOBBS, Rocky Mount, NC (DX-160)...Werner HOFFMANN, Newark, OH (SSR-1/NC-140)...Jack JONES, Jackson, MS (DX-160)...Leonard KAY, Oceanside, NY (DX-160)...Terry KRUEGER, Casselberry, FL (QR-666)...Arnold LAUSEVICH, Milwaukee, WI (DX-150B/HQ-180C)...Bruce LAVERY, Atlanta, GA (DX-160)...Irving LEFFLER, Brooklyn, NY (DX-160)...Mary LULL, Benton Harbor, MI (SW-717)...Pat McKRELL, Rohnert Park, CA (DX160) Pitt McNEIL, Washington, D.C. (X-190)...Randolph MACRIS, Richmond, MO (DX160) Martin MARK, Indianapolis, IN...Publisher Alan MAYER, Park Forest, IL (SPR4)...John MORITZ Jr, Youngstown, OH (HQ-180)...Larry NEBRON, Daly City, CA (SW4/SX-190)...Timothy NOONAN, Milwaukee, WI (SW4A)...Steve NORBY, Minneapolis, MN (G.E. World Monitor)...Editor Tom OVERCAMP, Seneca, SC (SP-600/BC-221AK)...Bob PADULA, Surrey Hills, Vic, Australia (Marconi CR100)...George POPPIN, San Francisco, CA (GRF-5090)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...Don ROJEWSKI, Tacoma, WA (DX-160)...David SARRAZIN, Denver, CO (Unelco 1914) Peter SCHIPELLITI, Burlington, MA (DX-160)...Bob SCHNECK, West Newton, MA (SPR4)...Richard SCHWARTZ, Dover, DE (SX-190/S108)...David SNYDER, Brooklyn, NY (DX-160)...Leon TANNENWOLD, New York, NY (SPR4)...Glenn THOMPSON, Deming, NM, (HQ-145A)...Robert THUNBERG, Dubois, PA (SSR-1)...John TRAUTSCHOLD, Genomonee Falls, WI (SP-600/SB-310)...Bob UNDERDOWN, Siloam Springs, AR (SW-717)...Lauren WARE, Fairfax, VA (DX-160)...William WELCH, Tallahassee, FL (DX-160)...Steve WISEBLOOD, Santa Maria, CA (M660A)...Frank WOLTMAN, Cambridge, WI (DX-160)...Robert YAJKO, Leechburg, PA (SPR4)...Robert ZILMER, Milwaukee, WI (SPR4)...HEY!!! That's only 5% of you! Where are the other 94%?

**CORRECTION:** Yes, even us editors make mistakes. In order to receive 20 NASWA report forms, send 28¢ in postage, and a large self addressed envelope (not 24¢). This sends the forms on your way via 3rd class mail. All orders for the report forms must be sent to me, the Distributing Editor.

**HELPING HAND:** For sale. Going into service and must sell all my gear. SX-190 receiver like new, w/60 mb crystal and manual. Asking \$195.00..... Complete 500w CW/SSB amateur station; Galaxy V Mk. 3 80-10 TCVR, RV-1 remote VFO, SC-1 speaker console and AC-35 power supply, and Dynamic hand microphone. Good operating and physical condition, with new finals. Will ship w/all manuals and original cartons. Asking \$350.00. Contact Mike Ross 400 Central Islip Boulevard, Ronkonkoma, NY 11779

**HELPING HAND:** For sale. Heathkit GR-78, 1½ yrs old, factory aligned 3/76; selec. approximately 7 kHz, xtal calib, AVC, fully portable w/12V socket. A. Dubrick, 1611 W. Gift, Peoria, IL 61604

**TUCH'S TRIVIA:** The average household in the U.S. has 5.6 radios, and 98.6% of all homes have at least one, reports the Radio Advertising Bureau.

**HELPING HAND:** For sale. Drake SSR-1 general coverage, synthesized, direct frequency readout receiver w/manual. Purchased March 1976, used very little like new. \$230.00 including UPS shipping charge. Contact Ken Duke, 5038 Bridgeport Road, Columbus, OH 43220, or call 614-457-9548.

**HELPING HAND:** For sale. Hallicrafters SW-500, w/spare tubes, bandsread charts. Good condition, \$50.00 or best offer. I pay shipping charges. Contact Jim Scott, 231 Cassandra Blvd., #727, Don Mills, Ont., Canada M3A 1V3

**REPORTING GUIDELINE:** Just so you don't forget, here's a reminder. When you send in reports, use the NASWA report forms, cut apart each item, and sort them so that they go from the lowest frequency report to the highest freq. By separating each report, and using the forms, you make the task of the Editors alot easier, and will make it so I don't have to say @#\$(#@#\*(#!!!! as I'm cutting and sorting 1200 reports written on onion skin paper, that are single spaced, yet! Also, Dan, Kent, Tom G, and Tom O. will take you off their black list!!! Well, I guess I had better go listen to Zoe Tristan, and their program of the "Top 10 Tristinian Hits". I think it's late. zzzzzzzzz

# NASWA

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

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 John Moritz. All reports for the DX HOTLINE go directly to John at 4145 New Rd. Youngstown, Ohio, 44515 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 air-mailed 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:

**P.O. Box 13, Liberty, Indiana 47353, USA**

All remittances should be in U.S. funds. Sample FRENEX and DX HOTLINE are available for \$ 1.00

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QSO/ NASWA — *Ed Shaw, P.O. Box 7053, Lexington, KY 40502*  
EXECUTIVE EDITOR—*Mac Leonhardt, P.O. Box 13, Liberty, IN. 47353*  
PUBLISHER—*Alan Mayer, P.O. Box 321, Park Forest, IL. 60466*  
J.K. REP — *Alan Thompson, 16 Ena Ave., Neath, W. Glamorgan, Great Britain SA11 3AD*

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