



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

**N^{AS}
W A**

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

North American SW Association

Loudenboomer

report



I got stuck baby-sitting with my two nephews a few weeks ago. So naturally that meant the usual demand for stories at bedtime. I had read all their favorite nursery rhymes to them about 18 dozen times so I decided to embellish them a bit on this occasion. So here they are, Grinnly revised!

Hey diddle diddle
The cat and the fiddle
A strange IS on the box
The DXer puzzled
To Hear such a thing
And thought to himself, "I'm outfoxed!"

Old Mother Hubbard
Went to the cupboard
To get mint stamps to report
But When she got there
The cupboard was bare
So she used IRCs.

There was an old woman who lived in a shoe
She had so many children she didn't know what to do
Each one a DXer, up at 0900,
She whipped them all soundly and took away their phones

A diller, a dollar
A 10 o'clock schedule
What makes you come so soon?
You used to come at 1500
But now you come at noon.

Jack be nimble
Jack be quick
Hearing Falkland Islands,
A very neat trick.

Mistress Mary, quite contrary
How does your mailbox do?
With bills and scheds,
And bulletins too,
But no QSLs.

Jack and Jill went up the hill
To raise a big antenna
Jack fell down and broke his
crown
And Jill did the job herself

See-saw, Margery Daw
Jack shall have a new receiver
He must have but a penny a day
At that rate it'll take forever.

Little Jack Horner
Sat in the Corner
Eating his Christmas pie
He put in his thumb
And pulled out an RTZ QSL
And said "What a good boy am I!"

Old King Cole
Was a merry old soul
And a merry old soul was he
He called for his pipe
And he called for his bowl
And 500kw on SWBC!

Little Boy Blue
Come blow your horn
The hour is up
And the IS is due

And by this time, boys and girls, my two nephews were fast, fast asleep.

73,

CL

TWO NEW EDITORS THIS MONTH: As previously announced, Sam Barto of Water-town, CT takes over as LR-B editor replacing Kent Corson. We appreciate Kent's kind words mentioned in his final column last month. Also taking over as a new editor is David Walcutt of Chicago, IL who will be replacing Tom Overcamp as LR-D editor. At the NU meeting in Lexington in August, Tom indicated his teaching duties were being expanded and we were glad to find that David Walcutt was interested in doing a Log Report section, so the matter was resolved for Dave to start with this issue. Since Tom did not get a chance to make a closing comment in his final column he asks that we do say that he does thank all who contributed to his column and hopes they will continue to give their support to LR-D. We welcome both Sam and Dave to the FRENDX staff.

ABOUT THE LISTENERS NOTEBOOK SURVEY: To avoid any misunderstanding, it should be explained that the survey which appeared in the Listener's Notebook section of September FRENDX was in no way official and was initiated by the editor of that section on his own.

There are no plans to expand FRENDX past 60 pages which is the maximum number the budget will allow. Neither are there any plans to issue a "Mid month Listener's Notebook" supplement as may have been implied. We do not anticipate any increase in membership fees or DXH subscription rates which would be necessary to pay for any proposed expansion of our present offerings.

NASWA ASSOCIATE DIRECTORY: We still have a good supply of the 28 page NASWA Associate Directory as announced in the August FRENDX at .50¢ per copy. Response to this offer was considerably less than overwhelming with only about 10% of the membership responding. We had felt this was something many wanted, but apparently not. Considerable time and expense went into this project and we had hoped response to this first one would justify our making a new directory available each year, but this seems doubtful at this point.



NASWA DECAL: Now available is a three color, 3" diameter NASWA decal. This is a long lasting vinyl pressure sensitive decal that can be used as a bumper sticker, windshield emblem for your car, camper, truck or what have you. You'll promote NASWA and be able to recognize fellow members on the road. The design is very similar to the logo shown to the left. Price is \$1.00 for each one, plus .25¢ mailing charge for each order. In other words, if more than one decal is ordered, there is only one mailing charge. Credit for making this item available goes to Wesley Thompson of Huntingdon Valley, PA. A number of people have ask for a NASWA decal, so here it is!

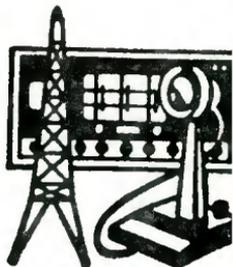
WELCOME TO THE WORLD OF SHORT WAVE LISTENING! This is the title of a new pamphlet just published by NASWA. The pamphlet, authored by Ed Shaw, is 16 pages, 4" X 5½" offset printed deals with some of the very basic fundamentals of SWL and is primarily for the uninformed or very new beginner to explain what the hobby is all about. We hope to distribute these thru inquiries received at HQ, dropping them off at Radio Shacks (and other similar locations), hanging on sundry bulletin boards in public, etc. In other words, we hope to generate some interest in the hobby and NASWA by putting these pamphlets in places where they will get into the hands of the general public.

We will be glad to furnish a reasonable quantity of these pamphlets free of charge to anyone who might be in a position to help us get these before the public. Possibly we have students who might want to use them to get interest started in a SW club in school or their area. Maybe we have some members who are employed in Radio Shacks or other electronic supply shops who would be interested in placing these in their stores. A sample is available to anyone sending a .13¢ mint stamp (no envelope, please).

DX CLUB PUBLICATIONS AND SERVICES: The Association of North American Radio Clubs (ANARC) has published a six page list of DX club publications and services available in North America. The list is free in the U.S. for a large #10 self addressed and stamped envelope (SASE). In Canada, send an addressed envelope and .15¢ in MINT Canadian stamps. Overseas, send four IRC's. Write to ANARC, 557 North Madison Avenue, Pasadena, CA 91101.

Shortwave

Center



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

Oct 76

Welcome to another month of Shortwave Center and to a new DX season. We hope that articles appearing in SWC will benefit you and help you get more out of the shortwave hobby. The articles that appear here come from you, the NASWA Associate. Please send your contribution on any subject relating to the broadcast of or reception of shortwave broadcast radio. Articles dealing with equipment, antennas, receivers, radiowave propagation, SWBC stations, etc., welcomed and needed by your editor to keep SWC the most informative column in the hobby.

Who is Morgan Monroe?

60 YEARS OF RADIO ACTIVITY
by Morgan Monroe, Sandpoint, Idaho

In terms of total experience, NASWA member Morgan Monroe may be the organization's "oldest" receiver-tuner; 1976 marks his 60th consecutive year in the hobby.

His interest in radio reception dates back to 1916, only 15 years after Marconi's famous trans-Atlantic experiment. Spurred by an article in a British magazine, Morgan, a youngster just entering school, learned as much as he could grasp about "wireless." A year later, at the age of seven, he constructed his first "homebrew" receiver.

"About all we heard on the air in those pre-broadcast years were the unbelievable sounds of the old spark-gap CW transmitters," Morgan recalls. "And even that took a bit of doing; only a few were within range of my crude, early receivers."

But he was hooked on the hobby from the beginning and stuck with it until the advent of broadcasting in the 1920s offered expanding listening opportunities. He also has been a ham operator for many years, as is his wife Dorothy.

Morgan witnessed the growth of broadcasting from its inception and at one time or another he has tuned virtually every SWBC country in the world. "But I'm still looking for Tristan da Cunha, St. Helena, and Bhutan," he said. He has no idea how many countries he has heard, some under several names.

He is not sure of the total because for years he did not keep SWBC logs and has never collected reception confirmations. "I have always been more interested in the scientific and technical aspects of SWBC radio than in chasing QSLs," he explained.

"And when you have been at it as long as I have," he continued, "hearing a large number of countries is no great achievement. Reception conditions were just fair in 1974, but in nine months of that year together with the first three months of 1975 I logged 208 countries on the NASWA list. That was possible largely because, for the first time in my life, I had opportunity to tune the SW bands at all hours. With an efficient antenna and receiver, knowledge of propagation effects, and unlimited tuning time, anyone can do as well or better under all but the worst reception conditions."

Morgan retired from full-time professional activity at the end of 1973 after a distinguished 45-year career as writer, journalist, editor, and public information consultant. The Monroes presently live in Sandpoint, Idaho, where he has time between

occasional free lance writing assignments to experiment with radio ideas he could not always follow through in busy earlier years.

One of his major interests is propagation, which he has studied and experimented with since the ionosphere was discovered in 1924. In the 1950s and early 1960s, the Monroes conducted a five-year VHF propagation research project that threw new light on sporadic-E effects at frequencies between 50 and 54 MHz. Their findings were published in CQ: The Radio Amateur's Journal and since have been cited in other technical publications.

Morgan long has experimented with antenna and receiver design on both SWBC and ham frequencies. Over the years he has constructed many antennas and receivers based on personal designs. Presently he is engaged in a different kind of project, one that should be of interest to many SWLs--a system of visual electronic language recognition. "It permits anyone to visually recognize received foreign languages although the listener need not understand a word he or she is hearing," he explained. (See the article on Visual Language Identification in the July 1976 FRENDX, p. 4.)

But Morgan's interests are not wholly technical. "SW radio has taught me more about the world's peoples, their histories, cultural heritages, and ways of life, than I possibly could have learned without it," he commented. "To me, this anthropological aspect of the hobby is its most valuable long-term asset."

The oldtimer has tuned DX from many locations in every major region of the nation and from parts of Latin America. The Monroe QTH has ranged from the eastern seaboard to the far West and into Mexico and Central America. Before moving to Idaho, the husband-wife radio team lived in Arizona just 50 miles from the Mexican border. "Now we are exactly the same distance from the Canadian border", Morgan said. "That just about covers the country from south to north." He considers the Southwest one of the nation's best all-around SW listening regions. "Up here in northern Idaho we often have to contend with auroral noise in winter months," he added.

Morgan's contributions to the SWC department of FRENDX frequently have contained time-tested tips of aid to both SWLs and veteran DXers. He enjoys passing along the benefits of his experience to others. "Many people have helped me in various radio activities during past years," he points out, "and I pay off that debt by helping others when I can. I particularly enjoy sharing what I have learned with young people just getting started in SWBC reception and ham operating. I well recall some of the tough problems I encountered as a youth."

After six decades of varied radio activity Morgan, who is 67 this year, is still at it with all the enthusiasm of the youngsters he often assists. "I guess I am living proof that SW radio, through any or all of its multiple-interest possibilities, can be a rewarding, life-long hobby," he concluded.

Tristan da Cunha
South Atlantic
30 March 1976

TRISTAN

Christian Davis
8612 Lee Street
Crown Point, Indiana 46307

Dear Mr Davis,

Thank you for your letter and let me apologise for the delay in answering but our mail service here is very infrequent.

Regarding the broadcasting station here the history is very brief. Broadcasting here is limited to the post volcano period only and was set-up and organised by the then Supt. Posts & Tels a Mr Hemming. The equipment was, in fact still is, ex world-war two vintage. The transmitter is a communication type with an output of less than 40 watts. The receiver used for relaying the BBC World News is also of like ilk.

The equipment is housed in a small portakabin type building which in fact came to the island as housing for a team of Americans on some project or other.

The whole arrangement to date is entirely voluntary. The consol consists of two record players, tape-recorder and control panel and the whole show can be run from that position. This allows the programme to be run by one person.

Programme schedule is three evenings per week, that is Sunday, Wednesday, and Friday from 1900 to 2200 GMT on a frequency of 3290 kHz.

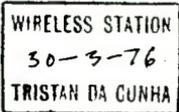
I am an expatriate being born in the Shetland Islands. I attended technical college in Aberdeen and Edinburgh, Scotland. Previous service in the Falkland Islands and South Georgia Island.

The island economy is based almost entirely on royalties from fishing rights and the sale of postage stamps so there is not much money to spend on the broadcasting service.

You may publish the information here supplied.

Reciprocating your kind regards,

(Ian T. Anderson)
Supt. Post & Tels.



(The above was retyped from a copy of the original to make it shorter and more readable. The spelling and punctuation is that of Mr. Anderson. Thanks to C. Davis and Alan Mayer.)

Beginners Patch

Information by David Haas
Woodcliff Lake, NJ

A tape recorder is one of the most useful items that you can have in your "shack". You can record language courses or news items, or just about anything. A tape recorder is very useful for making difficult station identifications and for writing reception reports. It is also interesting to keep a tape library of different interval signals that you have heard.

You should read the section on tape recording in DXing According to NASWA and the article on tape recording in the WRTH. I personally prefer the cassette tape recorder because it is much cheaper and easier to use.

Best Bets: South Africa: Now is a good time to get South Africa as the political situation may bring about some changes. It (Radio RSA) has a broadcast to North America at 2230-2300 GMT on 9585 kHz. According to the August IN, 11900, another listed frequency, was not in use.

Luxembourg is the place to tune for British rock. It is the only commercial short-wave station in Europe. It IDs as "The Big L". Tune in at 0000 to 0100 on 6090 kHz.

GOOD-BYE TO THE WWV PROPAGATION FORECASTS-
Unless we do something..NOW!!!

LOSS

Theodore J. Cohen and George Jacobs

You remember the radio propagation forecasts broadcast by National Bureau of Standards' radio station WWV at 14 minutes after each hour, don't you? They were the ones that sounded as follows:

The radio propagation quality forecast for 0700 UTC is fair. Current geomagnetic activity is quiet. The coded forecast is November Five, repeat, November Five. The K-index at 0600 UTC is Two, repeat Two, tending to increase. The 2800 Megahertz solar flux index is Eightyseven, repeat, Eightyseven, tending to remain constant.

Well, we hope you remembered, because the U.S. Department of Commerce now intends to discontinue providing these data to WWV, and the broadcasts were planned to cease effective 1 October 1976. More specifically, the Department of Commerce's Institute for Telecommunication Sciences intends to close the Telecommunication Services Center at Boulder, CO, on 1 October, for budgetary reasons. In addition to the WWV broadcasts, closing of the Telecommunication Services Center will result in the loss of the Weekly Radio Telecommunications Forecast and of the forecasts which the Center has made available previously by telephone.

In short, it will leave radio amateurs and all other users of the HF spectrum without real-time ionospheric, solar, and geomagnetic data which are currently used to prepare short-term forecasts and longer forecasts for up to 27 days in advance.

The letter and number-type forecasts broadcast by WWV were initiated shortly after WW II, and were given only in CW for many years. As their importance to users of the high frequency spectrum increased, they were changed to voice transmissions a few years ago. These broadcasts were famous throughout the world, and were tuned-in on land, in the air, and on the high seas. This is an area of applied radio propagation where the United States took, and held the lead.

Forecasts in the form shown above, however, that is, forecasts containing solar and geomagnetic data, were not initiated until 1974. They began shortly after an article appeared in CQ magazine demonstrating the usefulness of these two parameters in determining real-time conditions in the HF spectrum, and after hundreds of radio amateurs wrote to the Department of Commerce requesting that such data be included in the hourly propagation broadcasts on WWV.

In March, 1975, an article appeared in CQ² which, for the first time, described a method whereby radio amateurs and other HF users could make their own day-to-day propagation forecasts. The method, applauded as a breakthrough in simplifying propagation forecasts, is a relatively simple, do-it-yourself way for forecasting day-to-day conditions for up to 27 days in advance, with a relatively high degree of accuracy. It depends, however, on the near real-time values of solar flux and geomagnetic activity broadcast hourly on WWV.

In addition to forecasting general conditions, the article also described how near real-time values of solar flux and geomagnetic activity, when applied to propagation predictions of the type that appear monthly in CQ's Propagation column, can be used for determining day-to-day conditions and variations on specific paths to any area of the world.

If the WWV hourly propagation broadcasts were terminated 1 October, users of the shortwave radio spectrum will be deprived of their only source of near real time ionospheric, solar, and geomagnetic data required for do-it-yourself forecasting. In a sense, it will be a return to the "Dark Ages" for propagation forecasts.

Are do-it-yourself forecasts really reliable enough to worry about the loss of the WWV broadcasts? Do combinations of solar flux and geomagnetic activity really describe day-to-day conditions, and how accurate are forecasts made up to 27 days in advance? All available data points to a resounding YES, in reply to these questions. Here is some proof.

Using the values of solar flux and geomagnetic activity broadcast on WWV for the past two years as a basin, and the categories of conditions shown in Figure 1,² conditions have been found to recur in exactly the same category 27 days later for 63% of the time for forecasts made up to 27 days in advance. This is a pretty good result when one considers that a random process would result in only 20% accuracy.

If the forecast was within one category of the observed condition (i.e. HIGH NORMAL forecast, LOW NORMAL observed), and if differences between LOW and BELOW NORMAL are counted as a miss, then the accuracy of the method rises to 82%! Further, at the present time accuracy may even be higher, due to the relatively quiet conditions on the sun.

Just when radio amateurs and others are making effective use of solar and geomagnetic data in preparing short-term and long-term forecasts, we are about to be deprived of the only source available for this data on a near real-time basis . . . the WWV hourly propagation broadcasts!

What can be done about this? You can write and urge that the Department of Commerce reconsider their decision to close the Telecommunication Services Center in Boulder. But it will take a large outpouring of letters to convince the Department of the need for the Center and the WWV hourly propagation broadcasts. Send a letter or postcard to the Department of Commerce, expressing your concern for the loss of the broadcasts and services provided by the Center. Be sure to explain how you have been making use of the broadcasts as a radio amateur, DXer or SWL. Dr. Douglas Crombie
Director
ITS/OT
U.S. Department of Commerce
Boulder CO 80302

(Editors Note: Even if the Telecommunications Services Center was closed 1 October, do not stop writing. Also write to your Senator and Representative in Washington. It may take some time, but it is worth getting some form of near real-time geomagnetic and solar flux values reinstated and available to the public.)

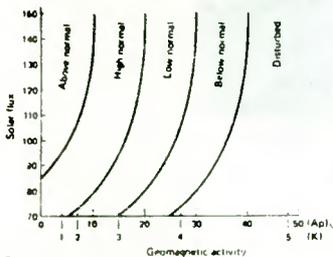


Fig. 1 - Interaction of given values of solar flux and geomagnetic activity determine expected h.f. ionospheric propagation conditions. (Example: S.F.=80, Ap=25 expect BELOW NORMAL conditions.) From mid-1974 to mid-1976, conditions recurred 27 days later exactly as defined in the above categories 63% of the time, and within an accuracy of one category 82% of the time (counting differences between LOW and BELOW NORMAL as a miss.)

¹ "Short-term Predictions for Ionospheric Propagation", Cohen, T. J., CQ, Sept. 1974, p. 27.

² "A Breakthrough in Simplifying Ionospheric Propagation Forecasts", Jacobs, G, and Cohen, T. J., CQ, March 1975, p. 16.

PROMISING NEW RECEIVER EASY TO USE

FRG-7 YAESU MUSEN



by Edward SHAW
#1 in a series
of reports for
new DXing gear.

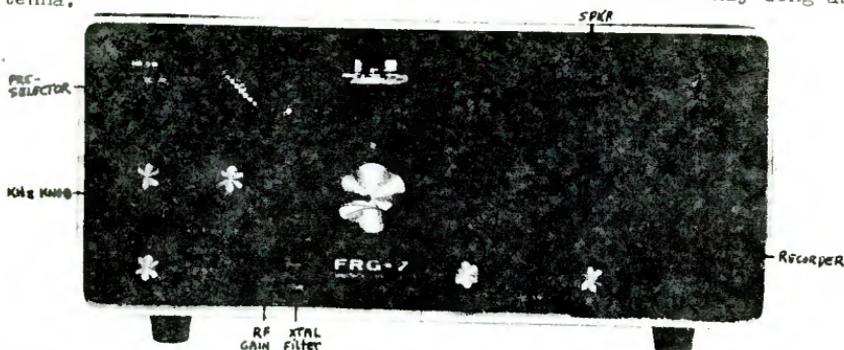
The YAESU-MUSEN FRG-7 is a late entry from an ever-increasing line of Japanese equipment. Few of these new FRG-7's are in consumer's hands at present, but GILFER has word that their initial order of 50 are now in the U.S. ready for delivery, and they will accept orders in advance for along with a deposit of \$25.00.

At the recent convention held in Lexington, Kentucky, I had the opportunity to fondle this new machine for a short period. First of all, I and many others were struck by the beauty of this receiver. It is somewhat more than twice as wide as it is tall...roughly the size of the SX-190 or the DX-160, but maybe not as high. There is where the similarly ends, though.

It's a Wadley loop design, same as the original Barlow-Wadley circuit, but with most of the buggaboos gone which were found in earlier XCR-30's and other similar circuit receivers.

It's powered by either house current, or by internal battery cells, or any 12VDC source. It's a preselected, phase-loop locked, direct frequency reading receiver which features were found heretofore only on excruciatingly expensive equipment. One knob cranks in the desired MHz, and another knob turns the KHz dial which is numbered from 0 to 1000. The ordinary controls are ON/OFF switch, mode selector which offers either Upper or Lower Side Band, and Automatic Noise Limiter. For those extra strong signals from Havana or others which might tend to overload you have an RF attenuator switch to cut back the incoming signal strength.

Shape factors do not look too bad with a 6dB bandwidth of 3 KHz and a 50dB width of 7 KHz. I expect that means for Single Side Band, and regular AM mode will likely have figures somewhat wider than those. It appears that some designer was using his head while designing this receiver....there is not only a normal headphone jack, but a jack to accommodate your tape recorder as well - a big help to many. Battery power can be conserved in the field by switch to cut off dial lights, which uses more current than the receiver does itself. A speaker comes built-in. It does not have a built-in whip antenna like the XCR-30 or the SSR-1 by Drake, but neither does it require an outlandishly long antenna.



At this writing, detailed specs on the FRG-7 were not available, but GILFER tells us that their tests showed the initial model they used had astounding excellent sensitivity and selectivity and image rejection - features expected from any quality triple-conversion receiver.

PRICE - \$280 or less, plus shipping. Write to GILFER, P.O. Box 239, Park Ridge, NJ 07656. The waiting list might get longer.

SBC

A DAY AT SBC BERNE
by Richard E. Wood
Garden City, N. Y.

I had the pleasure of spending part of June in Switzerland, as the guest of the campaign for the introduction of Esperanto into Swiss schools, giving lectures on the international language and on world language problems generally at schools in Neuchâtel, Bienne, Porrentruy, Seignelegier, Mont-Soleil, and other parts of Suisse Romande (Francophone Switzerland).

In addition to a number of press interviews and a French-language radio interview at the Neuchâtel studio of Radio Suisse-Romande, I was invited to Berne for a series of interviews in different languages at our old friend, the Shortwave Service of SBC. The day's visit was planned by the SBC European and Overseas Service Head of Information, Dr. Nicolas Lombard, who despite his French name and French-Swiss ancestry is a native speaker of Swiss German. The attitude of Swiss Germans to the Standard German language (Hochdeutsch, Schriftdeutsch) is a paradoxical one. They seldom or never speak it with fellow Swiss. But they read it and write it almost exclusively, since Swiss German is unstandardized, and written only in humor and folklore columns in newspapers, and similar local-interest books. They speak Standard German with Germans and other foreigners, and any Swiss German who cannot write and speak Standard German when necessary is stigmatized as uncultured. German language broadcasts from SBC - especially on shortwave, for listeners beyond Switzerland's borders - are mainly in Hochdeutsch, but even the Hochdeutsch announcers seldom speak that language outside the studio. Most Swiss announcers speaking standard German are still recognizably Swiss. In fact, the number of Swiss who can, when necessary, speak an unaccented standard north German is very limited - mostly professional actors, though Dr. Lombard commented that with the increased influence of German radio and television, and greater travel opportunities, more young Swiss are now learning to speak (with foreigners) a standard German without the heavy Swiss accent which was formerly universal. French and Italian Swiss learn standard German in the schools but seldom get a chance to speak it with their fellow-countrymen. In these circumstances, the most frequent common linguistic denominator in the day to day running of SBC, as of many Swiss institutions, is French. I found myself, in the shops of German-speaking Berne, quite often using French, rather than German, because if I spoke German the answer would be often in Schwyzerdütsch, which I could barely understand, and for which there are no textbooks, no lessons, and which varies enormously from canton to canton, valley to valley.

SBC's studios are in two large highrises at the Giacomettistrasse terminus of a tramline from the main Berne station, a 60 centime ride. The domestic services occupy most of one highrise (sharing it, with the Embassy of the Socialist Republic of the Union of Burma). The Swiss Shortwave Service occupies most of the other.

My host Dr. Lombard - who speaks that rare kind of English which is equally acceptable on both sides of the Atlantic, as well as French, four Swiss German cantonal dialects, standard German, and a little Spanish - told me to switch into my Portuguese gear, since that would be the first of my scheduled language interviews. Down to a studio I went for a seven-minute conversation with a Brazilian announcer. Starting with the basic topic of my participation in the campaign for Esperanto in the Swiss schools - sadly needed in a country which, as I have tried to show above, lacks a common language - the talk ranged to the Portuguese language itself, its importance in Radio broadcasting, and how I came to learn it. The announcer flatteringly asked me how long I had lived in Brazil - and I had to confess that I never had. I was a little surprised that he thought my accent more Brazilian than Portuguese - then he asked how long I had been in Portugal. Again the answer, "not a day". DXing does a lot for one's linguistic abilities!

Lunch followed, with Dr. Lombard at a typical Berne restaurant. Berne is a truly delightful city, full of life, a blending of cultures, not Switzerland's largest city (that role is filled by Zürich), but every inch a national capital. I would not hesitate to live there and even to learn the strange Bärndütsch dialect which is the butt of many jokes by Swiss from the provinces.

Sitting in Dr. Lombard's office after lunch, we mapped out the schedule of language interviews to follow. One language was conspicuously missing - my native English. The reason was simple, my visit was announced in connection with Esperanto, and the English service of SBC had just one week earlier carried an interview with a leading Swiss Esperantist, Claude Piron, a former WHO translator. However, in walked a man whose narrow Canadian diphthongs were more familiar to me than his face, Mike McMahon, head of the English service. "McMahon," I said, "the name is familiar. I have heard you many a summer evening on 11715 kHz and many a winter one on 6135." "Wood," he replied, "that name is familiar too. Didn't you write a book on shortwave broadcasting which we have in our SBC library?" Dr. Lombard at once dispatched his secretary to check my Shortwave Voices of the World out of the library, but another SBC staffer had it out on loan.

And so, studio time was rearranged, and I was put on the air in English after all. Perhaps some of you heard the interview, broadcast on all English transmissions on 24 July. Other interviews included German and Spanish. In Esperanto, I taped six complete programs, as the guest of Claude Gacond of La Chaux-de-Fonds, Canton Neuchâtel. La Chaux-de-Fonds, by the way, is the center of the Swiss watchmaking industry, and has been badly hit by Switzerland's failure to take the initiative in electronic watches, and by the general recession, the excessively high exchange rate for the Swiss franc and other economic factors. In fact, the programs which I taped are still running as I write this. SBC is, incidentally, planning an expansion of its Esperanto programs. Already they have been increased to a daily schedule, Monday through Friday, but the two existing announcers, Mr. Gacond and Dr. Artur Baur of Winterthur, will shortly be supplemented by a third producer, the above-mentioned Claude Piron of Geneva.

Frequency and transmitter assignments for SBC are made by the PTT. On hearing of my presence in Berne, the PTT Frequency Division sent a man over immediately, to discuss frequency and time selection for North America. Basic policy is fairly fixed and I considered it quite satisfactory. I particularly praised both to Mr. McMahon and to the PTT representative, the three starting times for SBC English releases to North America - 1315, 0145, and 0430. They struck me as ideal from a propagational and listener-convenience viewpoint. There is no conflict, in particular, with major programs of the BBC - the news on the hour, for example. And just when BBC leaves the air for North America, at 0430, SBC comes on with its west coast service. Deutsche Welle's 20 minute release for Eastern North America is also more or less over when SBC comes on at 0145. So there is no significant time conflict with the major Western European English transmissions, the kinds of stations which would attract listeners who would also be attracted to SBC. Discussing reception problems with the PTT man, I was not surprised to hear that the main difficulties were with the 0145 East Coast release, at the peak time segment for Europe to North America transmissions. This is why four transmitters are used rather than one (at 1315) or two (to the West Coast at 0430). Everyone was gratified when I noted that the SBC West Coast service on 6045 and 9725 kHz was, when I spent last Christmas in San Francisco, the loudest and clearest European signal on the bands at the time. I made a few suggestions - it was not advisable to put all SBC's eggs in one basket for the 1315-1345 release. 15140 kHz was certainly good, but there was some splash from RTE 15145, and sometimes, particularly in more westerly regions, co-channel QRM from the Soviet Far East. I suggested that 21520 kHz, in use at most seasons then to Asia, be additionally designated for North America as the MUF was often high enough.

For the 0145 transmission, I pointed out the futility of Warsaw's continued use of 6135 kHz to North America. It was often there, in the background of SBC, just enough to detract from what might otherwise be a perfect signal. But because of Poland's unfavorable geographical location, coupled with apparently lower power and poorer antenna, it could never, and did never, dominate SBC on the channel. I strongly advised diplomatic representations to Poland to deactivate the useless 6135 kHz outlet. But SBC should, in any event, not move from 6135, which is, by and large, as good a channel as could be found inside a crowded band. Regarding 5965 kHz, I said that, as Mike McMahon, the Canadian, knew, the CBC Northern Service on 5960 kHz would cause problems in some areas. Lisbon's transmitter on 6025 had unexpectedly broken loose from its moorings this spring and drifted onto 5968 kHz, causing a piercing heterodyne. 11715 kHz was a magnificent frequency, loud and clear throughout the summer and whenever the MUF was high enough at other seasons. The policy of maintaining it throughout the winter was a wise one, as it was often heard even then in southerly locations such as Louisiana. The only question remaining was the 31 metre band channel. Indeed, said the PTT man, this was the only open question which I could help decide for the winter 1976-77 schedule, the choice between currently used 9725 kHz and that old SBC standby, 9535. After some deliberation, I recommended the maintenance of 9725. Admittedly, VoA to Latin America is there, and under certain circumstances, particularly when polar absorption is high, it is dominant. But a little co-channel QRM is better than the horrible sideband splash to be expected on 9535 from propagationally similarly located Prague on adjacent 9540, whenever 9535 SBC is loud, Prague 9540 can be expected to boom in also. And Moscow often uses 9530 for North America. So, of the two, 9725 remains a better choice. Listeners in Florida, who get the VoA beam, might not agree, but they can generally use 11715.

The atmosphere at SBC is exceedingly pleasant - it is a genuine radio station, not a government department or bureaucracy. The announcers and reporters in all languages are alert, professional and friendly. SBC packs a lot of fine material into its 30-minute broadcasts, and in certain areas of programming such as jazz, folk music, historical sketches, European news, economic news, I would rank SBC right at the top. A recent poll placing SBC in fourth position with the North American shortwave audience seems absolutely right - I have often measured my weekly English-language SW listening, and SBC does indeed come in fourth place, after BBC, RCI, and Radio Nederland. With limited resources, and little-known to the Swiss public (although the fairly new 75 metre band transmitter on 3985 kHz has improved reception in most parts of Switzerland which were previously within the

skip zone of the higher frequencies), SBC is doing an excellent job. Listener's letters are read, analyzed, quoted in annual and irregular reports and self-studies, and generally appreciated. We, the listeners, should appreciate and enjoy SBC - one of the all-to-few voices of truth, culture, moderation, and joie de vivre on today's frenetic, propaganda-laden SW bands.

Radio Mundial

by Al Sizer, North Haven CT

No, this is not about a radio station, like the Venezuelan on 5050 kHz, but about a German radio bulletin put out by some DXers in Hamburg and through the courtesy of fellow Connecticut DXer, Sam Barto, brought to our attention.

We are glad he did because it is one of the best radio bulletins we have seen in some time. It's only drawback, for those not familiar with the language, is that it is all in German. For Spanish readers there is a four page summary in that language and the editors indicate a similar English one might be forthcoming if there were a demand.

For an annual subscription price of 16 IRCs (6.40) you get 6 offset issues of 55-60 pages (6 by 8 inch size) each, filled with illustrations and loaded with interesting magazines that cover both short and medium wave. Radio Mundial is not a club - it is a magazine edited by four radio enthusiasts in Hamburg, Germany: Bernd Kielmann and his Brazilian wife, Michael Kittner, and Jurgen Knoppel.

Radio Mundial is especially good when it comes to South American DX. A letter from Knoppel to Barto explains why: "During several years we got to know a lot about radio stations, especially from Latin American countries. Thus Bernd is specialized on Brazilian stations, Michael on those from the Caribbean, and I know especially about stations from Peru, Ecuador, and a few other countries. Bernd has lived for two years in Brazil and Michael and I used to travel regularly to different countries, e.g. Japan, USA, several countries in Europe, and of course, Latin America."

In addition to Radio Mundial, the group offers a monthly feature called DX-Bras which is produced in cooperation with DX Clube do Brasil in Recife. This 4-page paper offers information on the latest changes in the Brazilian radio field as well as what can be logged currently. DX-Bras is written both in German and in English.

We examined Radio Mundial No. 6 recently. It had an article in a series on Brazilian radio stations that it is running. This one was on a MW station, Radio Difusora de Garanhuns. Other articles included "A trip to the Land of the Rising Sun-Japan", a survey of Mexican stations, Radio Zaracay in Ecuador (based on a visit), a medium wave station in Sacramento and many other interesting features.

If you are interested in subscribing to Radio Mundial, the address is: Radio Mundial, Wagnerstrasse 2, D-2000 Hamburg 76, West Germany.

#####

Letters

ITEMS RECENTLY RECEIVED BY YOUR SWC EDITOR

Sam Barto, 245 Cherry Ave. Apt. J-11, Watertown, CT 06795 writes: "I read with interest the article submitted by Mr. Field on the question of QSLs. Enclosed is an ANARC newsletter from last year. I think it pretty well explains the situation". The newsletter was February 1975 and contained the following item. "Newark News Radio Club has appointed Sam Barto to collect and index all QSL collections from disinterested or deceased DXers, to prevent valuable collections from being destroyed. If you are interested in helping this committee, write Sam Barto. . ." Sam notes, . . . "What I am doing is collecting and indexing them until either I or another firmly established organization can completely take over. We hope to have a library of QSLs someday."

Your SWC editor suggests that those wishing to dispose of QSL collections, especially historical ones, send them to Sam. What is needed in the long run is a museum or library that would take an indexed collection of QSLs for permanent archiving where they could be examined by those interested in the history of international communications. Can any NASWA Associate locate such a museum or library that would be interested?

Ms Jacqueline Oliver, Denver, CO, writes: " I noticed the comment from Gary Carlson in the September SWC about using photo mounting corners for QSL cards, and your comment that you had never been able to find clear ones. For what it is worth, the transparent corners are available from the Coinstamp Supply Co., P. O. Box 1465, Englewood Cliffs, NJ 07632. They are (I think) fully transparent and self-stick. My catalog shows one kind in a dispenser box of 200 for \$1.79 and another box of 100 for \$2.00. Anyone who would

like to get some probably would do well to write them and inquire, as I am not sure of the postage and handling charges."

Many thanks for the information Ms Oliver.

U.S. DEPARTMENT OF COMMERCE
Office of Telecommunications
Institute for Telecommunication Sciences
TELECOMMUNICATIONS SERVICE CENTER
Boulder, Colorado 80302

CESSATION OF ACTIVITIES

Notice is hereby given that all activities of the Telecommunications Service Center will cease on September 30, 1976. The activities to be discontinued include ionospheric telecommunication forecasts and warnings distributed by announcements over radio station WWV, and by telephone, teletype, and weekly mailings.

As other areas of radio communication technology become increasingly important, they require more of the Office's attention and resources. As a result, budgetary, personnel, administrative, and technical considerations compel the termination of the above services.

D. Crombie
Douglass D. Crombie
Director
Institute for Telecommunication Sciences

Do not forget the solar eclipse on 23 October. See the September SWC for details and monitoring frequencies for Dr. Meisel's propagation experiment. The eclipse will occur about the time of the October solar flux peak. I wonder where Dr. Meisel will get his information about solar flux and geomagnetic activity?

Marlin Field sent in the following brief items:

Recently HCJB received a copy of a survey conducted by the Voice of America in the country of Colombia. The survey was of listenership to stations outside Colombia. HCJB was number one on the list. (from HCJB Log)

The FEBC Research Office in Redwood City CA released recently the 1975 Listeners' Mail/Contact Report. A total of 304,913 responses were received in various FEBC offices from listeners around the world. These were in the form of telephone calls, personal visits to studios or offices, letters, reception reports, and Bible correspondence courses. A significant number of these responses (138,952) came from Japanese young people who indicated their eagerness and desire to know more about Christianity. Another 47,000 came from India, mostly from Hindu people, and 23,100 from Thailand, a majority of which were Buddhist writers . . . (from the Signal, a publication of FEBC, March-April 1976)

In the same issue of The Signal, in the "President's Corner" it was reported: "While I was in Hong Kong several months ago I had occasion to buy three radios which were made in China. Two of them had capability for receiving all of FEBC's international broadcasts. The third one, about the size of a 3 x 5 inch index card, was an AM radio. I picked it up and quickly tuned to FEBC's 250,000 watt station in Iba, Philippines, 650 miles away. The signal was loud and clear!

NASWA SPECIAL PUBLICATIONS FOR SALE

- No. 1) KEEP IT QUIET by Morgan Monroe. Nine pages of information about reducing noise during shortwave reception by a long-time expert. Price \$1.00 postpaid.
- No. 2) PRECISION FREQUENCY MEASUREMENT. Twelve pages on the equipment and techniques used to measure shortwave and mediumwave broadcast frequencies to as close as 1 Hz. By Charles Taylor, electronics expert and pioneer in establishing PFM for the radio hobbist. Price \$1.00 postpaid.

The above are on 8 1/2 x 11 inch paper with a wide left margin for binding. Please send all orders for these special publications to your SWC editor, Jerry A. Lineback, P. O. Box 325, St. Joseph, IL 61873, U.S.A. Make checks payable to Jerry A. Lineback.

SHORTWAVE CENTER NEEDS YOUR SUPPORT. HELP ME KEEP UP THE QUALITY OF SWC BY SENDING ME YOUR ARTICLES ON SHORTWAVE SUBJECTS. ONE, TWO, OR THREE (FRENDX) PAGE FEATURES NEEDED NOW.

Grant Zehr, Normal, Illinois, notes that the following receivers have been reviewed at various times in QST a ham journal often found in local libraries.

- Allied 2515, QST, Feb. 1969, p. 49-52
- Drake SPR-4, QST, Dec. 1970, p. 60-63
- Hallcrafters SX-122A, QST, August 1970, p. 50-51
- Heathkit GR-78, QST, Oct. 1970, p. 48-51
- Knight Kit R-195 receiver, QST, Oct. 1970, p. 51-52
- Lafayette HA-800, QST, Feb. 1970, p. 52-55
- Realistic DX-150A, QST Sept. 1970, p. 46
- Realistic DX-150, QST, March 1968, p. 39

Reviews in QST are generally well done and more objective than those in the "Popular" type journals.

Larry Brookwell sends a report on his version of the Indoor Antenna suggested in the July SWC (FRENDX page 12). He used 4 inch PVC pipe. Spaced evenly at 2 inch intervals, 36 turns came out 42 feet 2 inches. As my shack is in a all-metal building, I installed it horizontally on a 10 foot rooftop mast with a TV rotor. Results compared with a standard 50 foot inverted "I" antenna at 20 feet were:

	Sensitivity	Noise Reduction
90 metres	75%	None
60 "	90%	None
49 "	100%	Slight
41 "	105%	Some
31 "	110%	Best (10%)
25 "	95%	Slight
19 "	90%	None
16 "	85%	None
13 "	75%	None

The directional properties are such that it is not worth the trouble to rotate. It is obvious that this antenna peaks at 41/31 metres. A preselector shows broader peak and less effectiveness on these bands. In all cases it was equal to or surpassed my SWL-7 and SWV-7 Mosleys.

What would happen with a vertical wire-wound tube with a pull-up or down core for tuning????

Propagation Conditions

by Jerry A. Lineback

The solar flux remained low, but a broad peak occurred during early August with a minor accessory peak on 16 August. The flux peaked at a low level on 1 September. The next peak is expected about 28 September. A very minor A-index peak (10 August) was associated with the August solar flux peak. Geomagnetic activity remained quiet until recurrent activity before the next solar flux peak took place on 24 August. The A-index peaked again after the 1 September solar flux peak, on 3 September. Recurrent activity is expected again about 19 September and about 30 September. During October, another solar flux peak is expected about 25 October with geomagnetic activity about a week previous and a few days after.

Month/day	Solar Flux	A-index	22 71 5	28 71 9	2	74 20	8	72 5	14	74 9
August 18	76	5	23 69 24	29 72 7	3	74 12	9	72 5		
19	74	9	24 69 17	30 72 8	4	75 14	10	75 5		
20	73	5	25 69 19	31 72 7	5	74 8	11	75 2		
21	72	9	26 69 17	September	6	72 7	12	75 7		
			27 70 12	1 75 10	7	72 11	13	73 7		

QSO/NASWA

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



LETTERS TO HEADQUARTERS

CONGRATULATIONS! To NASWA member Victor Newman II in Columbus, OH for being the first (and only) correct answer submitter to last month's query about locating the Earth's magnetic north pole. Lots of others responded, but with incorrect answers. Actually, the Earth's North Magnetic pole is located in the south! If you will remember, like-poles repel and unlike-poles attract. But, you may reason, in error also, that the poles of a common compass were probably mislabeled all along. Notso. The polarity (+ = North) is provable by knowing direction of current flow in a coil of an electromagnet. The needles of pocket compasses are indeed correctly labeled. What is not generally realized is that the Earth's North Magnetic Pole has been misnamed all along for convenience and to avoid confusion. In addition, the magnetic pole locations are different from the Geographic Pole locations. The Earth's North Magnetic Pole is actually located near 67.1°S and 142.7°E. Thus, the neat caliper earphones go to Victor Newman.

RECEPTION REPORTS TO TURKEY giving you a problem? NASWA member S/Sgt Darrell Freeman stationed in Izmir, Turkey suggests that the postal authorities there may not be the most honest, anything foreign being of interest. If you can afford it, register your report. Darrell also mentioned that SWLing in Turkey is prohibitively expensive...A Grundig Satellite 2000 portable brings about \$700!!

CZECHS LIKE FRENDX, too. Andy Gnip, NASWA member, complains that sending money out of his country is an impossibility (like other east European countries), thus maintaining his NASWA membership is dependent upon a benefactor to defray his membership expenses. In this case, we are delighted to applaud NASWA member William Davenport of Nashville for his unselfish support to sponsor Andy Gnip. Such foreign members are a valuable source of DX information, and we encourage their membership. Anyone willing to sponsor such members unable to pay should contact Mac at headquarters. Likewise, some less well-to-do hobbyists, young and old, may not be able to afford membership in NASWA. Thanks.

NEW DX RECORDINGS of foreign stations are now available for \$8.50 from Erikokustannus Oy, P.O. Box 40, SF-02211 Espoo 21, Finland. The album, called "World on the Air", contains with few exceptions, studio recordings of 60 stations, including identifications and interval signals.

DAN FERGUSON, intrepid DXer, and hamfest attendee, writes to correct my presumption that the WPE calls originated with Hank Bennett. Fergie has his original certificate sent to him by Joe P. Morris in 1958, assigning him the call of WRØ4AQ.

A PLUG FOR NASWA occasionally shows up in odd places. The August issue of PMC magazine, a journal for motor coach owners contained a plug for NASWA and Radio Shack's DX-160 together in a column called tips and gadgets.

WORLD TIME CLOCK is a colorful gadget that not only tells times for different locations around the world at a glance, but also is a very decorative piece to hang on the wall anywhere. Juddith Maddux of Oakdale, CA sends the address: Unique, Div. of Hanover House, Hanover, PA 17311. Cost \$95. Write for more information to Hanover.

STILL ANOTHER JAPANESE PORTABLE. Not available to the American market, at least yet, but available in Japan for less than \$54.00 is a portable radio by Toshiba, Model TRY-X-1600 (RP-1600F). It is a full coverage portable, but the dial is calibrated-off for the six most popular bands of low-frequency DXers: 75, 60, 49, 41, 31 & 25 meters. Others can be tuned, but there are no calibrations for them. Circuit consists of 2 ICs, PET front end, and 11 other transistors. Has tuning meter, battery indicator, built-in calibrator signal, RF attenuation switch for overloads, dial light switch. Also covers AM band. At present, the FM dial covers the Japanese spectrum and would have to be altered for sale in the U.S. But, could be ordered from Japan.

YES, THERE IS A REAL GLENN HAUSER. And we visited for a while as he passed through Lexington on his way back to Knoxville from the NRC convention in Louisville. With a greying beard, Glenn somewhat resembled Orville Wright, also a friend of mine.

SENSITIVITY HELP FOR R-390/R-390A. From Stig Adolfsson of Sweden comes this hint which added a BIG boost in gain to my R-390A. All my existing military 5749 tubes (RF tubes) were replaced by 6BZ6 (you can also use 6AK6). The difference was immediately apparent. I can not say, however, that my 5749's were not already weakened. If you ever blow a 5749 and have no 6BZ6 or 6AK6 to use, a 6AU6 may be used until you replace it with one of the others. The latter's output gain is not quite as high as the others.

WHAT IS A Q-MULTIPLIER? Paul Teehan from Chicopee, Massachusetts wrote via Mike Hardester to ask about Q-Multipliers. These instruments aren't found often anymore; the last commercial source of one model was Heathkit's GD-125. A Q-Multiplier was a small resonant electronic circuit inserted into a receiver's IF section. The result was an ability to narrow that receiver's selectivity bandpass which in turn let the user separate stations very, very closer together. Q-Multipliers are not difficult to make, and plans can be found in various electronics projects books and magazines.

SHORTWAVE SIGNAL DIRECTIVITY - FEEDBACK. Last month we asked about the feasibility of directional antennas for short waves. Apparently there are many knowledgeable hobbyists out there. More information will follow, but for now chew on this: because short waves reflect off the ionosphere and scramble the polarity (horizontal/vertical) of the signals does not necessarily mean that the directivity of the signal (whatever polarity) is also scrambled. We are beginning to accumulate information of an authoritative quality which suggests that directional reception is possible to one degree or another depending on frequency. Generally, lower frequencies of 49 meters and below seems to be DF-able, often to 1 radian or less of arc. None of this is likely to be readily easy or of interest to casual SWL/DXers.

RECEIVER MANUAL LIBRARY. Lots of response here, but mostly offers of loans to xerox. I had no idea that so much was available, and I must now regret that it would be a vast expense for NASWA to pay for all this reproduction. We still would like donations of manuals, or xeroxed copies. One Peruvian inquiry is desperately searching for Hallicrafters SX-65 information. We'd like specifically for now manuals/technical info on receivers used by NASWA members. See FRENEX SEP 76, Pg 27. Let me hear from you if you are willing to part with what you have, or can at least donate xerox copies of the schematic and alignment procedures.

GILFER'S M-1 MULTI-TUNER. Several inquiries about this piece of equipment lately. Those interested in a consumer's evaluation may have to wait until someone submits such to Jerry Lineback's SWC. In the meanwhile, I'll be happy to take questions and your SASE to a local owner for his comments.

(A high school student writes) "Shortly after I discovered the hobby, I found that a friend of mine was also an avid SWL. We began comparing logs and notes and discussing programs and the hobby in general. Through our conversations, my closest friend became fascinated with the hobby and split with his father for a DX160. There are now three of us, and we have intrigued several others. The hobby is growing. Two of us are members of NASWA, the third will become so shortly. FRENDX has facilitated our listening greatly. Our teachers are thrilled. There are only three kids in the high school who know the geography of the world. How many teachers receive taped programs on the development of the French language, Lithuanian education, or the communist invasion of Czechoslovakia? The head of the French Department is indebted to us for our tapes in French from France and Canada. We are all in the same American Studies class and the teacher thinks we're crazy. 'Guess what I heard last night. Sri Lanka!' 'You fink! Where? When? How strong?' 'Oh, about four on the meter.'"

"I think it unfortunate the average American is restricted to monitoring purely local broadcasting (very few even try DXing the ECB). Some young people don't know, or even don't believe it when told it's possible to listen to the world! I think it would be good for Americans to learn more about the rest of the world -- to learn that the American way of doing things is not the way but merely a way. That among other ways of doing the same thing there may be some ways even better than ours! At least getting to know other ways of doing and thinking makes for a wider and possibly better choice in our own doing and thinking."

"Despite the best efforts of RCI and Kim Elliott, we still don't have a firm grip on the size, growth rate, makeup, and preferences of North America's SWLs. This is needed if radio manufacturers and others financially involved are to make intelligent decisions and capital commitments."

"Shortwave DXing started for me as a Depression hobby -- BBC, EAQ Madrid, domestic shortwave, and foreign government stations. Today DXing is an outlet from my business fatigue. NASWA is the best togetherness group of DXers in the world."

"Ham and CB are better known. A very thorough PR campaign is needed. How about 1977 as 'US DX/SWL Awareness Year.'"

"I work at Harvard in a Dean's capacity and therefore come into contact with a large number of students. Foreign students frequently use my rig to listen to news from home, Sports addicts from England and France listen to the BBC and RFI for coverage of European League football. Language students practice their skills. Shortwave is one of the best educational resources I have at my disposal."

"The handful of SWLers, at least in the US, who claim dismay at the termination of overseas shortwave services probably don't regularly listen in any case!"

"If someone could compile a 'consumers report' type of guide to receivers, it would be most helpful, especially to those just starting in the hobby."

"I do not listen to different stations just for the collection of QSL cards (not that I do not enjoy this) but for the enjoyment of hearing their travelogues, music, contests, and the overall 'heartbeat' of other countries."

"The most frustrating aspect of the hobby is that I have yet to meet a real, 3 dimensional, flesh and blood person who shares my interest in DXing. I am not aware of any type of membership directory available from NASWA at present, and I, for one, would greatly appreciate knowing who the DXers are that live in my immediate area."

"There is an amazing number of people who do not realize the world is out there and available at the twist of a dial."

"I have found the receiver market to be poor. The SWL/DXer seems to have been overlooked and we must use receivers designed for amateurs, military, and laboratory. The frustrating thing is that the SPR-4 and others need only minor modifications to make them considerably more versatile. The Japanese seem to be considering the US market for general coverage receivers, and if they get involved in it, the receiver market may change for the better. This questionnaire should help."

"Some people I introduce to shortwave usually lose interest in a few weeks. Their reason -- most say its dull (program content). Reception is another factor. Most do not have the patience or interest to listen to hard-to-hear program material."

"The almost frenzied public interest in CB suggests a very lucrative potential market for shortwave equipment exists in the US. If only a fraction of the publicity and advertising given to CB were allocated to shortwave, I am virtually certain that a substantial market would open up in the somewhat dormant shortwave equipment market." (Editorial comment from kae: I agree that more publicity would increase interest in the hobby. But there is a fundamental difference between CBing and SWling; the latter requires that a person thinks.)

"Wish I'd known far more about shortwave before spending \$340 on a Zenith Transoceanic.

It ranks zero as a true communications receiver. I like world news. You know what's happening long before it's 'news' here and far more information is given."

"SWling sure beats the slanted, biased, fallow and shallow, commercialized TV!!!"

"As a pro musician, I am fond of music of all types. To work a job and then to listen to shortwave for an hour before bed is a good balance."

"My XCR30 can easily be adapted for use in the car although tuning shouldn't be done while in motion."

"Most people do not even know what is meant by 'shortwave.' I wish more ads would appear for shortwave receivers in home magazines. I completed a graduate degree and didn't know that a simple receiver costing less than a TV could pick up stations from all over the world."

"Please urge all members to purchase some sort of engraving device and mark clearly all of their equipment with their Social Security number or whatever. I had all my equipment stolen recently. All the identification I had was the serial numbers of the equipment. If the crooks want the stuff, we DXers might as well make 'em work a little bit in trying to remove the engravings before trying to resell the stuff."

"Too bad we're not GBers. They'd write songs about us -- clean ones, too."

"Most people consider SWling an esoteric hobby that is the property of a very few specialized hobbyists -- like most people regard ham radio. People are amazed that they can buy a receiver for \$70 to \$200, put up an antenna, and hear the BBC, Australia, Peking, Canada, etc. There seems to be altogether too little publicity about this hobby in magazines and other mass media. Could or should the DX clubs try to change the view of the public?"

"I think there is a large body of 'sometimes' shortwave listeners who do not belong to clubs such as NASWA and a small group of DXing enthusiasts who do, and the interests and goals of the two groups don't always coincide. I can't see a lot that can be done about this, however."

"It is a difficult hobby to get into on your own."

"I'd like to see a few ads promoting our hobby, like 'shortwave programs are free of commercials,' or 'the Mideast story from Jerusalem daily at 5:30 p.m.' and the like to stir up the fires. Do everything possible to develop local DXmeets between enthusiasts."

"Recently on Radio Sweden I heard an interview with an author of a book on where the best birding possibilities are. Since I am a birdwatcher, I wrote to Radio Sweden asking for details, and they sent me the name and address of the author. I wrote to him and have just received a letter telling of its availability and also saying 'I'm sending you a copy free of charge.' Where else can you combine four hobbies so pleasantly -- birds, books, shortwave, Swedish?"

"The hobby lacks sufficient outlets for commentaries on shortwave activities such as clandestine stations, pirates, government radio operations, etc. More investigative reporting in this area is needed to bring our hobby into the real world."

Although the above collection of remarks shows enthusiasm for the hobby, there were isolated instances of dismay. It has happened before -- formerly active DXers, including some editors, dropping it all. The following quote is from a person obviously headed that direction: "There aren't any shortwave radios in the stores anymore. No one sells shortwave. There seems to be many new and exciting things to do than to sit and listen to the radio at home. And the postage rates have stopped me from sending in for what -- something to hang on the wall or put in a scrapbook for someone to look at and say 'oh, he listened to the radio. Big deal. I just saw an X-rated movie.' I think the radio is going out with the one-horse shay."

So much for the hobby in general. Now let's see what NASWA members have to say about NASWA itself. Virtually all who said anything at all said NASWA is a good club, and the great majority feel it is the best. And there was well-meaning and constructive criticism:

"I would like to see more FRIENDX articles geared for the average DXer."

"One helluva big Academy Award to all who are contributing their time and efforts to put out a rag so that the rest of us can enjoy it!!!"

"I am well pleased with NASWA. It is unquestionably the best club anywhere!"

"I still believe NASWA should have bumperstickers. I already got two people into SWling with my Radio Australia bumpersticker."

"Except to boast about QSLs, some of NASWA's elite do not send loggings."

"DXing/SWling is a fascinating hobby; NASWA makes it even more so."

(to be continued as space allows)

Listener's

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



Notebook

THANKS for replying to last month's LN QUESTIONNAIRE. If you haven't yet, please do so by Oct. 20; feel free to xerox if your copy of FRENCH is sacred!

HOW TO READ LN First time through I skim, second time I read nearly every word, third time through I read every word and mark all important and/or interesting items, fourth time I check several things I have comments on and after that I reread it several times throughout the month (Gib Junjuna, Osaka, Japan)

PROPER CREDIT Other clubs and broadcasters may use material from LN provided due credit is rendered to the original reporter and NASWA. BBC Monitoring Service items are copyright and may not be further reproduced without permission.

GRABRAG VIETNAM VOV Tay Bac relays VOV net-I 1100-1200 on 4770 6328, first noted 9/6, never found before. UNID Viet on 4780 relaying VOV net-I 1045-1200 and then own pgs to 1230*; vy poor signal, possibly new stn, first hrd by NASWAN Nnoyuki Tsukamoto in early Aug. (Isao Ugusa, Japan) AFP reports Saigon announced 8/26 that from 9/1, Sai gon & Hanoi would unite into single BC organization; Voice of Vietnam (Gregg Calkin, Ont., NU 8/11) Effective 9/1, Liberation Radio having fulfilled its mission. VOV becomes the Central Radio of the entire country, with local stns in provinces and cities; but a separate program network originates from No. 7 Xo Viet Nghe St., Ho Chi Minh City. at 2200-1605 on 9620 6165 including considerable number of relays from VOV-Hanoi (BBCMS 9/9)

USSR FE sites to Nam, as of early Sept: (Bill Davis, GA) 15210 Petropavlovsk 2200-0430
6020 Khabarovsk 2100-0730 11755 Vladivostok 0400-0730 (to 12020 at 0500)
9610 Nikolayevsk 0300-0730 12000 Nikolayevsk 0300-0730 15245 Petropavlovsk 2200-0330
9635 Khabarovsk 2100-0730 12020 Petropavlovsk 0500-0730 (to 9735 at 0400; for few
9710 Petropavlovsk 0330-0730 12050 Petropavlovsk 2200-0730 days started 11970-mix RHC)
9735 Petropavlovsk 0400-0730 15100 Vladivostok 2300-0330 17720 Petropavlovsk 2200-0300
11690 Blagoveshchensk 0300-0730 (to 11755 at 0400) (to 9710 at 0330)

R. Moscow Spanish to Cuba/GAm 7150 0200-0400; 7230 IFRB list as Kiev 2330-0400; 7360 Moscow 0100-0400; 7390 Moscow 2330-0300; see also BULGARIA. Jamming noted this month on RM SAM svc apparently originating in SAM (Roger Legge, VA, 9/10) R. Stansiyu Rodina (Voice of the Soviet Homeland) ran xmas of sked annts, some started in mid-sentence. Interspersed with short bursts of music 8/8 thru 8/14 at 1500-1630 on 15360 11805; 0700-0830 on 15360 15230 (BBC MS)

USA KGEI 976 Spanish to LAm, 50 kW on 15280 at 2130-0130, 9615 at 0130-1400. To FE, 15355 at 2330-0200; 5980, 250 kW, 0700-1400 (Arthur Cushman, NZ) WYFR 576 kHz-some-beam-GMT-xmtr;
17875 5 52 16-18 1 15440 5 52 12-16 3 15110 2 52 16-21 4 9750 12 183 03-06 5
1 160 21-24 4 7 32 16-18 3 11875 3 52 21-23 3 9715 10 212 01-06 2
17865 3 52 12-16 2 5 52 18-21 3 alt 1 160 00-01 4 9690 7 32 20-21 1
17845 3 52 16-20 2 15220 12 183 12-16 4 11855 12 183 23-03 5 5 52 21-22 1
4 100 16-22 5 15215 10 212 23-01 3 11815 3 52 20-21 2 9525 3 232 01-06 4
12 183 22-23 5 15175 7 212 12-14 1 11780 7 212 23-01 1 6155 5 232 01-06 3
17730 1 160 12-14 5 15150 7 212 14-16 1 11770 7 32 18-20 1 alt:6065 5 232 01-06 3
10 212 14-16 5 15130 11 160 21-01 2 11720 1 160 00-01 4 5985 7 212 01-06 1

Xmas before 1600 are Sundays only; alternates on when UN Radio takes 11720 6155 (Leinwill)

TIMOR East Timor Governor pronounced Dili radio the 49th stn of RRI 8/16 (BBCMS) Province is called Timor Timur, known affectionately in Jakarta as Tim Tim. 3385 now // 3550 as RRI Kupang, ex-R. Dili, evidence quite incontrovertible that R Dili and its predecessor were always in Kupang. New stn on 3120, perhaps ex-3850, 8/22 1313 ID in Port. as RRI Studio Dili, sked not worked out but gone by 1420 (Robert Yeo, Australia. NU 8/28)

THAILAND R Thailand FS introed new lang Burmese 1400-1430* on 9653 11905 (Ugusa, Japan 9/10)

TAIWAN VOFC adds Cantonese 0000-0100 17720/15225/15125/11915/11860 - all monitored. Mandarin continues on 17890/15425/11825. At 0100, nets exchange channels. Superb sigs 15270 Japanese 2130-2230, Korean 2230-2330; Indo solid 0000-0100 17800; also Amy. 0200-0300; HS 11905 2300 past 0300 (Bob Padula, Victoria 9/12) Chinese lang coded numbers stn hrd daily *1300-1500y*, *2200- on 7200; good sig, possibly from Taiwan, often jammed, often not, unlikely for Voice of Righteousness (Isao Ugusa, Japan, 9/10)

SWITZERLAND Sorting out the xmtr sites of SBC, pre-976 so now maybe different; Sottens 500 kW 15430 0600-0645 Af, 15305 0700-0930 EAs, 21520 1030-1300 Af, 1315-1515 SAs, 11870 1530-1800 Af, 11720 1815-2245 Af. Sarnen 250 kW omni ITU list 9535 0600-2245; no listing for other new 250 kW at Lenk (Robert Jones, ADXN 8/76) Sot. has speech clip, not Schwarz. (Jones)

SR LANKA VOA-Colombo S76: 7110 10 1245-1800 11715 35 1500-1800 11935 35 1300-1500 /As)
7105 10 0045-0330 all SAs 9520 35 1245-1800 11745 35 0100-0330 15185 35 0100-0330 NE/SE)

SPAIN Madrid added 9530 8/18 Sp to Au/Phl 0730-1100 // 11730/15440, NHK QRM *0900 (Padula)

SA'UDI ARABIA BSKSA S76 (Bernf Friedewald, Homburg, GFR SCDX) Turk 1700-1800 5960
Fren 0500-0700 11855 Engl 1900-2200 11855 Urdu 1400-1450 15115 17765
Fren 1700-1900 11855 Indo 1300-1350 15115 17775 Quran Readings 1400-1600 15405
Engl 1000-1300 11855 Pers 1500-1550 11865 15115 Quran Readings 1600-1800 11940 #
On new 11940 for Arabic to 1700, then Holy Qur'an Stn to 1900 ex-15245?; HQS was previously
sked 1700-2000 (Bob Bodell, OR) LSB feeder 3969 // 9719 Arabic ID 1901 (JADX via RADX 8/29)

RWANDA Since 4/27/76 DW pgs for Kigali have been xtd via the "Symphony" satellite, experi-
mentally for 12 months, 8 hours per day. At other times of the day, shortwave facilities
will be used as up to now (Günter Roessler in Hallo Friends 4/76 via John Kleinerman, MD)

PORTUGAL RDP retired two Sun BCs to Af: 1830 Port to São Tomé e Príncipe 17880 15350 now
ends 1845 ex-1900; 1900-1930 Port same freqs now starts 1845 (BECMS 9/2)

PHILIPPINES VOA is supposedly still giving site IDs from here, as this was one of the few
countries that didn't object. ¡Viva el dictador Marcos! (gh) DXCR. Malaybalay, 2653 (1326½ x
2) answered f/up report to 6/75 with nice letter from mgr E. P. Mullaneda. Says got reports
from NZ, Au, Japan, India, California. Melbourne Telecomms. complained of QRM. Stopped
broadcasting for about two months after Sept. to correct faulty xtr causing harmonic (Bodel)

PERU 4762, R. Inca del Perú new on SW hrd 8/10 0505 (PLAY-DX) R. Chinchaycocha, 4860 0530*
(Richard Wood, NY) R. América active 9505 0300-0600 announcing 24h // 3240 (Wood 9/12)

NIGERIA Per VON, NBC was to introduce new call-signals for all State BC stns as from 9/5--
signals designed to reflect the new political struxure of the country (BECMS 9/9)

NEW HEBRIDES 4975 is new for Vila at 0200-0208* French 7/29 (Padula & Bunn, Mallacoota. ADXN)

NEW CALEDONIA New Nouméa xtr or spur, 5047-5048 kHz 8/6 0545, gone by 0700; // 7170 but not
// 3355 (John Campbell, NSW, NU) 11710 is consistent daily 1900-1100 without break (Padula)

NETHERLANDS ANTILLES RN-Bonaire has been consistently running 1 kHz high at 2130 in Dutch
on 15221 and at 2300 in Spanish on 15321. Why these offset freqs? (Dave Walcutt. IL) Maybe
Dick Speelman will provide the answer on the 10/21 DX Juke Box... (gh)

MONTSERRAT (?) The BBC does not use VOA facilities in Monrovia nor do they transmit in the
Portuguese language through VOA facilities in the USA The BBC transmissions in Portuguese
you heard in the 4m band may have been test transmissions from Antigua (George Jacobs, VOA
in a 7/8 letter to SWNS) Refers to 2200-0015 on 5995, now staying on past 0015 in Spanish.
If it has been the Caribbean relay, my info is that Montserrat more likely than Antigua (gh)

MALAYSIA VOM sked just to hand: Indo 2200-0000 6175/6100/9750, 0900-1600 9750; Engl 0625-
0855 15290/9750/6175; Mandarin 1100-1300 11900; Thai 1315-1445 6100; Arab 1530-1700 15290;
can't get sked for daytime HS relays, hrd *0425 11900, Chinese 0430, Engl 0500; 6100 still
has Chinese HS 1030-1050, reopens 1100 with VOM (Padula 9/12) 6012 is a new freq, hrd at
1630, maybe ex-5965 (Jan Tunér, RN DXJB 9/9) Usual advisory not to assume this is Antarc-
tica (gh) RMS Miri 3385 6060, Sibü 5005 all relaying Kuching in Iban at 1405 8/25, // 4895,
7270 (both Kuching) (Bob Bodell, OR) Strictly speaking, I should have listed u/SARAWAK (gh)

MALACASY REP. RTM net-I on new 3370 ex-5010; 4980 ex-4985 (DSWCI? via RA DX 8/29)

LIBYA On 9/1 Libyan Arab People's Broadcasting Service was extended to cover entire NAF, ME,
Arab Gulf to mark 7th anniversary of Revolution; 17800 already operational beamed to Egypt,
Sudan, Gulf, Iraq, Syria, Jordan, Lebanon. It is erratic and intermittent with obvious modu-
lation problems (BECMS 9/9) Four super-power xtrs, 500 kW each were planned to commence in
August, adding to existing 100 kW unit for ES (DW 1976 Handbuch. via ADXN 8/76)

LESOTHO RL returned to SW 8/16, but with lot of xtr trouble, very distorted, off freq, 4900
drifting as high as 4950, barely identifiable, 10 kW (Richard Glnbey, SAF, SCDX 9/7)

LEBANON Now on 11800 // 836 MW, 1600 past 2100 (BECWRC 9/15) Consistent on 11695 to 2300* in
Arabic; in Muslim hands but quite moderate programming (Richard Wood, NY) Daily since 8/15
to Waf, S/GAM, Au, 2100-2300 11695, all Arab exc, Spanish Sun 8/15 2100-2125; some HS relays
from 836. No Spanish on 8/22 or 8/23 tho "every Sunday" or "Monday" (BECMS 8/26)

KOREA SOUTH KBS 2510 was off late Aug to early Sept, back, excellent (Ugusa, Japan. 9/10)

KAZAKH SSR Alma Atá HS sked: Pgm-I 0000-1900 11950 9780 6180 5970. Local pgs in this at:
0000-0015, 0130-0140, 0200-0300, 0315-0330, 0415-0430, 0600-0800, 0830-0900, 0910-1000,
1200-1245, 1300-1530, 1550-1645. At all other times relays Moscow First "C" pgs except at
0300-0315, 0500-0515, 0900-0910 when it's Moscow First pgs. A.A. Pgm-II 0000-1800 on 9507
6000 5260 (BECMS 8/26)

JAPAN S76 sked of the ill-fated VOA-Okinawa, due to be closed in 5/77:
6010 15 1100-1500 EAs 7165 35 1045-1500 Phil 9560 35 2200-0030 China
6075 35 2115-2200 NEAs 7255 100 1000-1600 China 11830 100 2145-0030 China
7165 35 1045-1500 NEAs 9560 35 2100-2200 NEAs 11965 35 2215-2300 NEAs

ITALY Have you seen Bertolucci's (I think) movie the "Non-Conformist"? In one of its
scenes we can see a man performing the famous "bird chirping" of RAI. I wonder if this is
the case today, as the movie referred to the 1940's... (Victor C. Jaar. PQ) Always wonder-
ed how they did it, hi (gh) Up to date info: Gamma Radio not active over SW 6208.5 kHz from
the end of June 76 (Dario Monferini, Milano, 9/1, editor of PLAY-DX)

ISRAEL IBA Hebrew HS to Nam, WEu sked 0400-0600 7460 9009 12077 $\frac{1}{2}$; 0600-2000 15512 $\frac{1}{2}$ (also low power on 12077 $\frac{1}{2}$); 2000-2305 9355 12077 $\frac{1}{2}$ 15512 $\frac{1}{2}$ (IBA)

IRAQ R Baghdad's Kurdish HS extended to *0228 ex-*0258, -0855, 1200-2200 on 6030 3253. On the other hand, "Voice of the Masses", Arabic for expatriates, *1530, ex-*1500, 9745 (BBCMS)

IRAN NIRT "R Iran" Persian HS: 9680 350 1530-2030 7135 350 1530-2030
 17730 350 0630-1730 *15085 250 0630-0230 9022 350 1530-1725 (BBCMS 8/76)
 15315 100 0430-1430 11930 100 1330-2030 2030-0230 *measured on 15083.8
 15135 250 0900-1300 9765 100 2030-0230 7215 100 1530-1800 (gh)

INDONESIA An Indo writer tells me of a "Radio Amতির Suara Golkar" at Ternate, probably SW Golkar is the ruling "party". Amতির refers to the more crude small private MW stns. Because Golkar is well organized, this may indicate existence of quite a few such stns. I doubt they are on the air except at elections and for political messages (John Campbell, NU) 5605, RPD Kab. Ketapang (Kalimantan Barat) good relaying RRI Pontianak rx 1400; requests, to ID at 1452* 9/5; weekdays more like 1430*; first non-RRI IDed from Borneo (R. Yeo, NU)

GREECE Athens on new 6140 2100-2250 Gk/Eng to Au. ex-6175; QRM; Perth, Madrid, VOA; also 0435 Gk to ME 11760 // 9760. IFRB data via David Sapsford, UK, to ADYN says Kavalla 250 kW is registered 976 0730-1300; if 0400-0500 svc is not via both Avlis and Kavalla: then HNEBI has found another HF facility, as only one 100kw at Avlis til now; M76 used 5960 then to SAM 2200-2250 (Bob Padula, Vic., 9/12) Avlis 976 changes per ITU: 2100-2250 Au 7215 ex-6175; 0900-0950 Au 17830 ex-15345; 1000-1050 Japan 11760 ex-15345; 0800-0850 Azores 9760 ex-7215; 1100-1120 Turkey 7215 ex-6175 (Sapsford via RADX 9/12) EPT has activated its second 100 kW xtr, and I suspect that all EPT xmsns are now on two freqs; heard on new 11875 (note choice 5 kHz from Turkey-11880;) to Nam 0000-0150, 0200-0350 // old 9760; Balkan service 2000-2050 is on 15345 mixed with Argentina (Richard E. Wood, NY)

GERMANY WEST (?) DW on 6075 0450 Arabic 9/14 with definite echo, long path? not likely at this time of day; or from 2 xtrs simultaneously, or what? (Bob Bodell Portland OR)

GAMBIA R Gambia's MF xtr on 648 Sun 2400* (BBCMS 8/10) Probably means off SW now (gh)

FRANCE RFI has a weekly broadcast to the French Antarctic Teams Mondays 0745-0845 on 21730 (BBCMS 7/76) TWR-Monaco on new 5945 German 0445-0515 daily (Cushen 9/5) Out of band! (gh)

FINLAND R. Finland rarely has a new freq, but 15205 is one 250kw sked 0600-0730 to EEU/NE 1000-1100 50 C/SEU/Naf, per 976 sked (gh)

EQUATORIAL GUINEA R. Ecuatorial, Bata IDs as "La Voz del Partido de Revolucion Nacional", 4926 to 2143* (Jorma Mäntylä, "Sunspot", SDXL, Finland, via ADYN 8/76)

ECUADOR R. Melodia new on SW, 3375 around 0400, "su emisora de la alegría" (Jan Tunér. DXJB 9/9) Strong sig overcame QRM; frequent IDs, 0415 past 0516 9/7 (John Tuchscherer, WI NU) R. Centinela del Sur is now on 4890 (Cushen) Announced. but measured 4892 at 0434* R Popul Independente, 4800 observed all night (Richard Wood, 8/30) Centinela 0300-0500 on 4894 tho WRTH list 4752 (Wood, 9/12) R Mundial Riobamba 4860 is active per Clayton Howard who visited there recently. Also says HGJB is only active Ecuadorian on 49m (Tuchscherer, WI NU)

DOMINICAN REP. 2486.8, 2 x 1243 also hrd, "cookoo" type time sig; very good sigs at 0128 (Dan Henderson, MD, NU 9/4) Tent. LV de la Libertad, nightly 0010-0300 (Pitt McNeil, DC, 8/28ff) Use to hear this under WWV when fundamental was right on 1250 (gh)

DODECANESE ISLANDS VOA-Rhodes is the only site to originate some of its own programming (gh "a tour guide at Washington) 976 sked: 5965 50 0400-0600 ME; 6015 50 1615-2200 ME/Naf; 6070 50 0145-0400 USSR; 7110 50 0345-0600 ME; 7205 50 1630-2115 ME/Naf; 11805 50 1400-1500 USSR.

CHILE R Nacional 15150 a Sun not carrying foreign-lang cycle 2030-2330 but with HS, football in Spanish; name is R.N. de Chile, not del, as in WRTH (Wood, 8/30) R. Colo-Colo again being heard on 4885 (Jan Tunér, DXJB 9/9) Wonder if SSB in fact like my 12250 catch (gh)

COSTA RICA R. Periódico Reloj, San José, 4832 has a newscast for Costa Ricans living abroad 0800-0815; is on the air 24h, but 4832 is irregular (Richard Wood) N.B., BBCMS; External svc

CONGO 5075 is announced at 0430 along with 4765 3232; French nx 0445, 0545 (BBCMS 8/26)

COLOMBIA Ecos del Combella is AN best around 0700, w/R. Súper pgn on 4875 ex-4785 (Cushen, 9/5) New nominal is 4885 but measured 4886.5; 24h with tango pgn "Argentina Media Noche" 0500-0600 (Richard Wood 8/30) On 4875.7, very strong 8/18 past 0500 (Tuchscherer, TDYN) 4815, R. Guatapurf here 8/28 only, testing? I believe Colombian Ministry of Comms has given several stns permission to switch around (Jim Whitehead, MA, NU) On 4817 8/28 0002-0030 news (Pitt McNeil, DC, TDYN) R. Valledupar, 8/27 0015-0029* on 4816.5 (Tuchscherer, TDYN) Same? gh Altho a R. Libertador ID was hrd on 2580 in July, the Colombian harmonic most commonly hrd on 2580 is R. Pipatón as reported by gh. The R. Libertador ID may have been an accidental relay by the TODELAR net; "R. Centro Todelar, R. Pipatón" ID hrd 8/22 0103 (Stanbury, Ont.)

BYELORUSSIA Minsk HS-2 now on 9560 11800; 9560 is ex-9545 (BBCMS 9/2)

BURMA VOB extended 4725 sked to 1450* ex-1415*, presumably in Burmese after 1415 (Ugusa 9/10)

BULGARIA R. Moscow Spanish to Cuba/GM 2330-0400 on 7135 listed by IFRB as Dushan66, is very strong and actually Plovdiv ex-9745 (Roger Legge, VA, 9/10) R. Sofia Sp. 0430 9/18 7135 (gh)

BOLIVIA 4140, R.Em. Comarapa believed ex-R. Municipal, ex-3960 2315-0300*, mostly mx (Tony Jones, NU 8/21) 6150, R. Indoamérica supposed to be here per R. Loyola, but unhrd (Jones 9/4) 4816.2. R. Nac. de La Paz, 0124 Sp. and Indian talk and songs (Dan Henderson, MD, NU 9/4)

Adding to the Colombian confusion around this freq, see above (gh) **BRAZIL** LN-4 bottom

BANGLADESH R. Bangladesh, Dacca, 576 ES; (freqs vary -gh) 1645-1815 Beng)
 0445-0515 Engl) 21685 17890 1340-1400 Push) 1815-1900 Engl) 15180 11940
 0515-0545 Arab) 15400 1400-1500 Urdu) 1900-1915 slow Engl)
 1115-1145 Nepal 9580 7150 1500-1530 Punj) (Bob Padula, Victoria)
 1230-1300 Engl) 15270 11890 1600-1630 Hind) 1115-1145 is in English (BBC MS 9/9)

AUSTRALIA Re the Telecom Australia Engineers' industrial dispute. A complex issue, but in simple terms it boils down to a 'takeover' bid by lower paid and less qualified technical personnel, of functions for many years performed by professionally qualified people. TA, the common employer, says there is no dispute, considering the problem one of rearranging existing manpower; we see otherwise, an area of dispute on a demarcation basis. As a result, industrial action was taken, for certain key areas, and Carnarvon was one! The matter is being debated in the Courts, and bans have been lifted. However, only one Carnarvon txr is in use at present due to antenna feed problems (Bob Padula, Victoria 9/6)

ARMENIAN SSR R. Yerevan sked 2200-2300 in Ar to SAm, but completely covered by Tirana exc: 2227-2229 when Tirana off for ant. change. Site expert Ollis Ala says xtr is at Yerevan; it is also used later on RM SAm svc, but don't expect Moscow to QSL as Yerevan (Legge) 2480.

ANGOLA RNA says ex-Voz do Zaire regional in Bansa Congo (ex-São Salvador) resumed operation 8/31, now called Emissora Regional do Zaire (BECMS 9/9) WRTH list on 4885 (gh)

ANDORRA World Music Radio asks reports for its 3 months of 6230 Sat 0800-1400 tests to be sent with 2 IRCs to WMR, Box 4078, Amsterdam, Holland (Poul Foged, DSWCI 8/76)

ALGERIA A comparison between the official RTVA May-Oct sked, via Overcamp, & BBC MS 8/76; s--Arabic HS; f--French HS; k--Kabyle/Berber HS; P--Voice of Palestine (in Arabic); E--English ES; F--French ES; C--Voice of the Free Sahara in Arabic/Spanish and/or French or vernaculars; s--Spanish; S--Voice of the Free Canary Islands in Spanish. 6045Ba 2200-2400 Eu; 6080Aa 1800-2400 Eu moved to 9685 per B; 6145AB a0600-0900, F1800-1900, a1900-2400 Maghreb; 6160Aa 0600-0900, 1200-1500, 1900-2200 Eu, continuous Sun 0600-2200; B says P 1800-1900. 7195ABa 0600-2400 Alg incl P 1800-1900; 7245 AR0600-0900; AF1800-2400 Afr/Eu; B 1800 P, 1900 E, 2000 F, 2100 G, 2200 S, 2300 s; 9510 Af0900-1800; B says 0900-1200 is Sun only; 9610: Af 0600-0900, 1800-2400 Waf; B says announced but not heard for E, C, S and s 1900-2000. 2100-2400. 9685ABa 0600-1800; BP 1800-1900, Ba 1900-2400 Eur. 9705ABa 0900-1800 Maghreb. 11810 ABa0600-0900, 1800-2400 Eaf; Ba 0900-1800, BP 1800-1900. 11835Aa 0600-0900, 1800-2400 ME; B indicates moved to 17825/6045. 11910A f0600-2400 Waf; B says 0900-1200 is Sun only. and 2100-2400 is F, C, S, s. 15160 same as 11810. 15370 Aa0600-2400 ME; B not listed, but maybe inaudible at Caversham due Liberty/Jamming. 15420B announced, not hrd 1900-2000 E. 2100-2400 G, S, s. 17745Aa 0900-1800 ME; B indicates moved to 11810. 17790ABa 0900-1800 Eaf. 17825Aa 0900-1800 Eaf; Ba 0600-2200 incl P 1800-1900. 21565ABa 0900-1800 Eaf (gh)

CLANDESTINE CRANNY **CANARIES** (See "S" freqs above) The voice on the "Free Canary Islands" program is that of 46-year-old lawyer Antonio Cubillo, leader of the independence movement. Cubillo has suddenly acquired a certain following in the Canaries, thanks to his persuasive radio voice. Even Canarians in Venezuela and Brazil are responding to the broadcasts, he says. Encouraged by Algeria and Libya, Cubillo has begun to threaten an "armed liberation struggle". His programs are in Spanish, but "On the very day we achieve our independence we will proclaim Guanche our national language". Guanche is a North African Berber dialect. Cubillo denounces alleged American plans to turn the Canaries into a huge military base from which to "threaten and dominate the whole of Africa." (from an AP article by Michael Goldsmith in the 8/29 Washington Post, via Tom Overcamp, SC) **BASQUE** R. Euzkadi on new 12115a, ex-12080 which suffered severe QRM from Israel 12077½ (SWNS 9/76) **MOZAMBIQUE/RHODESIA** "Voice of Free Africa" on 998 kHz has moved from 1800-1900 to 1700-1800 (BECMS 8/19) It is over RBC's Gwelo xtr (Gerry B Wood, Radio RSA 8/23 letter) Voice of the **ERITREA** Revolution, in Arabic 1500-1530 on 9635, announced as Sun/Tue/Thu only. 9635 is a R. Baghdad HS channel (BECMS 9/2) A new one (gh) **ISRAEL** I met by chance, Mr. Abie Nathan, of The Voice of Peace. It happened that his office is across from the HQ of Ocean Freight, which carried my belongings from NY to Haifa. I went into his sparse office and found contrary to my expectations a rather dour man. He seems to have trouble keeping employees and pays well to do so. He's also concerned with competing with IBA's new third program going after the same youth audience at the other end of the dial with the advantage of being in Hebrew. (Michael Fine, Lachish Tsafon, 9/7) **ESPIANOMEROS** A series of 4-digit Spanish xams may be related to the 5-digit series. Though formats differ, they both have occasional faulty modulation, and on occasions the same distinctive clicks in the background. Four-digit can be heard every Sat & Sun on 11535a from 1600; and was heard on 4670a to 0155* on a GMT Thu, very strong (G.M. Stanbury, SWNS 8/76) Five-digit numbers, Spanish female, mechanical voice logged as follows: 2867.2 at 0530 8/2; 7342 0624 8/10 and 0625 8/18; 7584 0620 8/12; 7846 0623 8/13; 7584 0618 8/19; 7887 0620 8/19 (Robert L. Foxworth, NY)

LAST-MINUTE ITEMS BRAZIL: RNB transmissions to be suspended Oct 3-15 for 'technical reasons' (RNB 9/14 via John Wegener, IL) **SOUTH AFRICA** R RSA back on 11900 at 2230 (gh) **SPAIN** RTVE pgn sked as of 8/25, mins past 01, 02, 03; Tue-Sat 02 Panorama, 11 Folk Corner, 14 The Literary Rev, Wed Music Review, Thu Science, Fri Cinema & Theatre, Sat Art. 22 Tue Sports, Wed-Sat Tourist Guide; 30 News, 45 In Spain Today, 55 Good Night. Sun: 02 Press Rev, 09 Commentary & Report, 20 Tourist, 30 News, 45 CQ, 55 G.N. Times highly variable (John Wegener, IL)

FUTURE PLANS

USA Check WWV at 104, 114 or maybe even 18 past the hour to see whether propagation info survived into FY 1977. But as of a 9/17 conversation with Mr. Garth Stonehocker of ITS, there was "reason to believe" that at least some of the information would continue to be broadcast. More objections to the closing were received than had been anticipated, giving the Office of Telecommunications pause. The NOAA Space Environment Laboratory was even considering resuming its A and K-index broadcasts at 18. A last-minute decision was expected. Ironically, the chief forecaster, who had been rehired the maximum three times as an annuitant beyond his scheduled retirement, plans to continue working at another ITS office through the end of the year. (gh) WYFR has been authorized by the FCC to build a new transmitter site in Florida about 20 miles north of Lake Okeechobee. Production facilities will continue in Oakland CA. A large piece of excellent land will replace the extremely limited facilities at Scituate MA (Harold Camping, Family Radio President, in letters to Terry L. Krueger, FL; Jim Conrad, IA; Ed Insinger, NJ)

UK(OGBANI) London Daily Mail reports the US govt. has asked for permission to build a new radio stn in Britain to beam news and propaganda behind the Iron Curtain; it would be linked to the RFE network; the Premier is said to be wary of the project (Alan Thompson, NU 9/4 who adds: Very unlikely RFE will end up here according to well informed sources) Apparently the Americans plan to close down a smaller station outside Madrid... The Foreign Secretary seems ready to give approval... The move comes at an embarrassing time for the British government. It is under growing pressure to investigate just how far the Americans go in tapping Western European radio traffic. The Americans have three main monitoring bases in Britain. (more from the same 8/16 article, via SWNS 9/76) At Henwith Hill, Chicksands, Edsall (Thompson)

SOUTH AFRICA Radio 5 now delayed on SW until 6/77; all MW stns in SAF to close then (Wood)

PORTUGAL RDP plans to use DW facilities to reach emigrants in France and Germany. Also, RDP quotes a report from the Port. community press in Massachusetts that the US authorities are expected to approach the Lisbon govt on establishing a VOA site in Portugal for broadcasts to Europe and North Africa (BEGMS 8/26)

ITALY Radio Vaticana's huge rotatable HF transmitting aerial, on which work began in 8/75, at Santa Maria di Galeria consists of a metal lattice of two 79m high masts, joined at their bases by an 85m long beam, resting on a central pivot and on two pairs of wheels at each extremity. Suspended between the masts is a radiating system of two curtains of dipoles of the 4/4R type with high directivity. Contrary to usual practice, the curtains have been designed to have a wide bandwidth to cover all HFBC bands. RV says this combined with the ability to point in any direction makes this single installation equivalent to 21 aeriels of conventional design. There are only two other aeriels of this type in existence, one being at Sottens, Switzerland, both of which are smaller (EBU Tech Review 4/76 via David Mackes)

ISRAEL "Ulpan of the Air", Hebrew language lessons are to start in November during afternoon English broadcasts to Nmai; free scripts may be requested thru IBA, Box 204, Cheltenham PA 19012, or from IBA, Box 1082, Jerusalem. (Larry Magnus, PA)

ECUADOR The Oceanic Institute of the Ecuadorian Army is installing a standard frequency/time signal station on the coast, with two independent atomic clocks with an accuracy of about 1 1/2 ms per year; weather will also be broadcast; no frequency known; target end of '76 (ANDEX via RA DX 8/29) Clayton Howard plans to be in the Chicago area for about 9 months, starting in November, and would like to meet area DXers (John Tuchscherer, WI, via NU 9/11)

BENIN ORTB has received a 50kw SW xmitr from Germany with a rotatable antenna, which will make xmsns to Eu, As, America possible later on (Thierry da Silbeira, Cotonou, SCGX 8/17)

FBIS may not publish any more Broadcasting Stations of the World volumes. No reason given. Earlier this year they advised me the 27th edition would come out in late 1976 (Hardester, CA)

BROADCASTS IN ENGLISH

ALGERIA V. LN-4
ANTIGUA/MONTSERRAT Surely by the time you read

this some of these relay transmitters will be in regular use. # Antigua should be on in October (Stanley Leinwohl, DC) Caribbean Relay at Antigua isn't on yet tho had been listed in S76 BBC skeds (BEGWRC 9/15) 9/14 at 0414 on 6175 there was a very strong carrier over Sackville, with test tones, off before 0500. Must be Antigua; I hope they will follow VOA's example and tune up on a different frequency (Arthur J. Watson, BC) Montserrat 6175 also hrd here 9/14 0440-0450 with tones (Bodell, OR) 6175 is Antigua, as are 6195, and Portuguese/Spanish 2200-0415 on 9765, skeds previously published (Caribbean Relay Co., in WRTVH Newsletter via R. Australia DX 9/19 which adds that DW relays are expected to begin 'before the European winter') Same source gives MONTSERRAT sked to begin in Sept. as BBC Spanish 0215-0415 on 6040; English to Caribbean at 1100-1330 on 11790; 2000-2115 on 9600.

ASCENSION BBC S76	6055 2300-0315	7270 0500-0700	Sun 0815-0915	15400 0730*1745
6005 0330-0730	6140 1700-2030	9580 2000-0430	9695 1700-1745	17840 1500-1615
1800-2115	7105 0300-0430	9600 0500-0515	11740 1615-1645	Most include African alternatives; *-0915-1030
Sun 2115-2200	0500-0515	0600-0630	11770 1600-1745	
2200-2245	0600-0630	0700-0815	11860 0730*1130	on Sat/Sun only (gh)

AUSTRALIA VL3RT, 5250, 300w Correspondence School stn operates 3/9/76 to 10/29/76 Mon-Fri, exc. during Easter, Queen's Birthday and Melbourne Showday (9/23). 0115-0520, 15 min pgms repeated 3 times at 0130 (0135, 0215), 0415 (0445), 0430 (0500, 0505). Times in brackets are alternate. 1977 programs will begin 3/8 (Robert Hanner, ADXN 8/76) Night test'd be nice: gh

(MORE ENGLISH) AUSTRIA ÖRF S76 changes 1230-1300 SWEu 11790 ex-11770; 0830-0900 Au/SEAs 17850 ex-17810; to EAs 15105 ex-15280 (from DX Party Line 8/26) BANGLADESH: V. LN-4

BHUTAN Radio NYAB's English pgs is Sun 0840-0930 on 7040 (M.R. Nagesh, Vizag, India, SCDX 8/31) The ARDCX test 9/1 1200-1300 either wasn't on or didn't make it to Australia (Padula)

BULGARIA R. Moscow 7100 since 9/5 at 2300-0030, 0100-0500, QSL'd as Kaunas, is actually Plovdiv; so is 7135, IPRB list at Dushanbé, used Sat/Sun 2230-2300 for R Vilnius (Rog Legge)

CAMEROON Buesa (pronounced BOO-ee-uh -gh) 3971 running English as late as 2300 (BBCWC 9/1) R. Yaoundé 7/20 had English at unusual time of 2215-2220. commentary (Peter Bunn, ADXN)4972±

CANADA In my zeal to start last month's listing with the new broadcast day at 0600, I omitted changes in the 0100-0157 xman; 6085 is 125kw, ex-250; and 0400-0600 where 6135 ex-11765. Remember that on 10/31 as DST goes off the HS relay on 6040 moves back to 6085, and a real hour later, 2300-0100. NS also runs an hour later, 1128-0607 (gh)

CHINA Nanning 4915 had English lessons 8/26 1940 (Bob Bodell, OR) A Thursday (gh)

COOK ISLANDS 5045, no local programming but heard 0700 past 1200 relaying BBC, RA, assume Rarotonga (Padula 9/12) 9/3 R. Australia relay 0730-0830, open carrier then; 9/4 1000 RNZ nx then ax past 1015. Last noted on 5045 two years ago, no QSLs then (Robert Yeo, Aust, NU)

CYPRUS BBC S76 6180 0400-0730 7275 0000-0230 11820 1800-2030 15420 0400-0700 21660; 3989 1745-1815 1700-2315 9540 1700-1745 11955 0145-0430 0900-1745 09-12½
2000-2115 6195 0030-0315 9750 0600-0730 15105 1500-1530 17885 0600-0730 Sun-11½
6140 0000-0030 7250 0230-0330 11760 0600-1330 15400 1745-2030 0900-1615 (gh)

EGYPT R. Cairo "The Voice of Africa" on 17920 rather cavalier about timing, Asian service 1315-1445 didn't begin until 1324 8/3. Guess they cut up segments of tapes and stick them wherever they're needed (Gib Junqua, Japan)

FALKLAND ISLANDS FIBS has tentatively been received in Scandinavia on 2370 around 0100, but only on Beverage antennas 400 to 800 metres long (Jan Tunér DXJB 9/9) If they can do it...

FINLAND The sked in Aug LN-6 remains valid in every detail for S76; I suggest we monitor NAM beam at 2300-2400, 250kW, 300° on 17755 and ask them why in the world it's all in Finnish, not partly in English at 2300 as before! (gh)

GREECE (Of LN-3) VOG to Eu 0630-0730 9760 is all-Greek, no longer any English (BBCMS 8/19)

HUNGARY RB seasonal changes as from 10/17 are minor, probably more in juggling high-powered xmts, unshown, than freqs: 1030-1100 Au/NZ/Jpn 21525 17715 15160 11910 9585 7155; Mon-Fri at 1200-1240 Eu/Scand 17785 15160 11910 9585 7155 6150; Mon-Fri 1430-1500 As 21525 17785 15160 11910 9585 7200; 2130-2200 15415 11910 9655 7200 7150 5965; Tue-Sun 0200-0230 NAM and daily 0300-0330 both 15220 11910 9833 9585 7215 6000 (gh)

INDIA AIR-Kohima from 9/5 has news in English 1350-1400 (BBCMS 9/9) List on 3268 (gh) AIR Delhi domestic service news schedule (0030, 0730, 1130 and 1730 are also in Hindi: 0850 is at dictation speed).
0830-0840) 15285 15235 15180 1430-1435 9645 7195 7125
0030-0035 7380 3925 0850-0915) 11935 11710 9630 6015 4860 3925 3255
0240-0250 15310 11895 11850 9590 7125 6050 1530-1545 11840 10335 9950
9705 9615 7290 7125 1130-1135 17865 15430 11935 9705 9645 7195
6050 4800 3905 11850 11725 9705 7125 6015 4860
0630-0632 15285 15235 11935 9675 6050 3905 3925 3255
11715 9630 9590 7125 6050 1230-1235 15430 11735 11725 1730-1740 11840 9950 7105
0730-0740 15285 15235 15180 9575 9535 7280 6015 4860 3925
11935 11715 9630 6120 3905 3255
9590 7125 6050 1430-1435 11840 10335 9950 &: (BBCMS 5/76, published 9/76)

IRAN Tehran already moved from 11770 back to old 9022 to avoid RSA QRM (Siegfried Heldt, GF & Simon Weisse, France, SCDX 8/24) Still 11770 French 1930 etc (Bodell 9/15) etc=Eng 2000? g

ITALY Vatican Radio, including retimed pgms due to std time since 9/26; *-not Sunday
0100-0115 NAM 11700 9605 5995 1500*1530 SAs 17825 15165 11875 2210-2230 Au 11705 9615
1115*1130 EAF 21485 17840 1700-1715 EAF 17900 15120 11830 7235
1200*1220 C/WAF 21485 17900 2030-2045 GB&Eire 9645 7250 6190 2230-2300 Mon/Wed SEAs
17840 /6190 7250) 2045-2100 C/SAF 15120 11705 9625 11705 9615 7235
1445-1500 GB&Eire 11740 9645) 2115-2130 EAF 15120 11705 9625 (VR via BBCMS 8/76)
VR is testing 6045 GMT 9/14-16 and 6015 GMT 9/17-19 to find an alternative to 5995, where BBC (Caribbean? Ascension?) is putting in bigger signals since early Sept (Whitehead, MA)

JAPAN R. Japan S76 shows NAM svc 2345-0045 on 11705 ex-15270 and unchanged 15300 (R Wood) General Service to America on hour 15105 1900-0315; 9505 0400-0915, 1400-1815; 5990 1000-1315. Expands to half hour at 1000, 1400, 2300 (sked via Walcutt, IL)

MALAYSIA (V. also LN-2) BBC Tebrnu S76 (or is it partly Singapore yet?) (gh compiled)
3915 1500-1615 7180 1645-1830 9670 0900-1130 11955 2200-2430 17880 0000-0030
6195 0900-1830 9570 2200-2430 9740 0900-1830 15280 0900-1130 0900-0945
2200-2430 9580 2200-2315 11750 0900-1615 15310 0900-1615 Some frequencies used by
7120 2200-2430 9590 0000-0030 11955 1600-1830 15435 2300-2430 other sites at same time

MALTA "Malta Calling" 2045-2115 Sats now on 6170 ex-6035 (BBCMS 9/9) MONTSERAT v. ANTIGUA

NEPAL As from 9/2 RN began a 10-min district newscast 0250, and extended other cast at 1620 from 5 to 10 minutes (BBCMS 9/9) Usual frequencies, circa 3425, 5007, 7106 (gh) /ADXN 8/76)

NEW HEBRIDES (Of LN-2) 4975 Vila seems ex-7260 middays Eng/Fr -0200* (Lynneberg, NZDXRL via/

(MORE ENGLISH) NEW ZEALAND In an effort to improve listening quality in the Pacific area, both the SW xtrs are now beaming to the Pacific; Australia receives a signal "off the side" of the Pacific beam and Antarctica "off the back" (Ministry of Foreign Affairs, 6/21, via Allan Troster, Ont) S76 RNZ sked; to Pac 1800-2000 9770 11780; 2000-0050 11960; 2000-0450 15130; 0100-0450 11705; 0500-0700 9540; 0500-1030 11780 or 6105, to Au 0700-1030 6105. The SW service will be heard an hour earlier during DST 10/31 to 3/6/77 (Arthur Cushen, NZ) Sked shows the first break at 2015-2030, and Au 'beam' opening at 0730. 0500-1030 option observed on 6105, presumably to avoid RA clash on 11780 to 0600 (Richard Wood, NY 9/12) I had the impression RA went on 11780 to 'hold' it while RNZ was silent (gh)

NORWAY (Cf Sept LN-5) Here are RN's non-250 kw channels; English Sun into GMT Mon only, S76 0800-0830 11860 11850 1800-1830 11850 15175 0200-0230 9645 (via G.L. Lip-
1200-1230 11895 15345 21655 2000-2030 6015 11860 0400-0430 9645 11870 poldt, Maitland
1400-1430 9590 21655 2200-2230 11850 15175 0600-0630 9645 15175 FL & Don Rowjew-
1600-1630 17795 21655 0000-0030 6180 11870 underlined to Nam (Tacoma: WA)

PAKISTAN (Cf July QRL LN-7) Some S76 seasonal changes; 0430 11885 ex-21590; 1350 11672 ex-17665; same 1630, 1445; 2100 7085 ex-11672; 0000 7135 ex-15325 (RA DX 9/12 and A. Cushen NZ)
PAPUA NEW GUINEA Port Moresby on 9780 Eng/Pidgin 7/21 to 0800*, back on 9520 7/23 (John Main land, NZ, ADXN) Possibly 2 x 4890 (ADXN ed. Peter Bunn, and gh)

PORTUGAL R. Portugal 8/23 2045 on 12050, is this 2 x 6025? (Charlie Brunner, GR) Yes (gh)
RHODESIA R. Jacaranda is putting out a strong harmonic on 2512, 2 x 1256 (Gerry Wood, Saf)

RWANDA DW S76 now on 17825 0930-1030 to Au (Bob Padula, Vic 9/12) SAUDI ARABIA; LN-2
SWEDEN RS S76 1/2 hr BCs 1600 6065 9665 11740 0030 6035 2300 6045 6120 9695
1100 9630 21670 21690 1830 6065 11790 15240 0230 6115 9695 underlined to Nam
1230 15120 15305 21670 21690 2100 6065 11790 11830 1400 15240 15305 17730 (gh)

SWITZERLAND SBC S76 1315-1345 Nam 15140; EAs 11775 /11745) 0145-0215 Nam 5965 6135 9535
0700-0730 Au 9560 9590 11775 1315-1345 SEAs 15430 17830/ 9725 11715
0900-0930) EAs 11950 15130 15305 1530-1600 AF/ME 11870 15430 17830 0430-0500 WNA 6045
1100-1130 Af 15140 15430 17830 21520 2100-2130 Af 9590 11720 11870 15305 (DXPL 9/16) 9725

TAIWAN VORC has a special weather report program alternating English and two Chinese languages heard *1530-1615* on 5980 over Kota Kinabalu 5980; three cycles with slightly different information "for fishermen in the seas in and around Taiwan" and filled with some Taiwanese pop music; 1530 report was based on official Taiwan WB rpt of 1400; fascinating (Junqua 8/31)

TIMOR (Cf Sept LN-1) R. Maubere 3805 Fretelin stn had 8-note IS, s/on in Port and then English at 0930 Wed/Fri/Sun as "This is R. Maubere, Republic of East Timor, Fretelin Voice, the sound of the revolution of the people of East Timor... friendly to all of you on shortwave at 75 meter band". (Robert Hanner & John Hayne ADXN 8/76) Now defunct? Or on 3120? Cf LN-1 gh

USSR (?) I recently got a R. Moscow African Svc QSL card for English 6/29 1519 on 17885 Also typed in was the word "Belin". I cannot find a Belin anywhere in the USSR; there are Belin's in France and Romania; and there is a Belinski east of Moscow and south of Gorky Has anyone else heard of this 'site'? Where is it? If not a site what is it? (Martin Mark, IN)
How about Berlin?(g)Euro xtrs on RM Nam Svc since 9/5; with IFRB/QSL sites; 7150 Serpukhov 2300-0030, 0100-0200, 0400-0500; 7165 Vinnitsa, 7250 Tula, 7290 Moscow, 7320 Omsk (but too strong, appears to be in Ukraine) 2300-2430, 0100-0500 throughout; 9655 Orsha to 0300; 9700 Moscow 0130-0400 (last is of course Sofia -gh). R Kiev 0030-0100 7150 7250; 0300-0330 7390 and 9685 from Euro sites. R. Vilnius Sat/Sun 2230-2300 7135 7165 7290 7320 7390; Sun/Mon at 0030-0100 7165 7290 7320. Re alleged R. Murransk. 9655 at 0030 carried R. Vilnius prior to 8/1, R. Moscow Spanish since then (Roger Legge, VA, 9/10) See also BULGARIA, LN-6 (gh)

UKOGBANI BBCWS on 7220 *0630 7/27 when Red Cross was on its usual 7210 (Padula, ADXN)

USA (Cf Sept LN-6) Belatedly received J76 Eur/Af WYFR shows English Sun 1230-1605; Daily 1605-2300 on certain changing frequencies; see LN-1 for total usage (gh) WYFR noted 8/3 0238 on 6155 with commentary in support of US military nuclear power--otherwise WYFR argued there would be no gospel message from anywhere. The significance of this isn't the position taken per se, but that WYFR is now engaging in overt political activity--not unlike FEBC (SWNS) I visited AFRTS 9/13, finding it in the Pomponio Building, Arlington VA, where it has been since the move from NY ten years ago. Their staff continues to be RIFFED, but they have an excellent computer-controlled automation system of cartridges which record net features at certain times, play them at others, and erase the tape for re-use. Also, they can listen to AFN, FEN, SCN, AFPCN and other overseas AFRTS networks just by punching up a continuous satellite feed, which are commercial, not military circuits. I registered a complaint about the drive-you-up-the-wall repetition of PSAs such as the W.C. Fields imitation; as suspected, no one at AFRTS-W sits and listens to their own output for any length of time (gh) AFRTS's entire sked (a new printed one dated 6/76 is at last available, and is to be supplemented with updates to subsequent requestors) will move a real hour later 10/31, end of DST. But S76 transmitter usage is thus:
Eur/AF: GA-4 15430 (1145)1330-1800 BY-2 6030 0030-1130 DX-1 11805 (0300)0400-0800(0830)
GA-7 15430 (1200)1330-2300 BY-3 9755 0600-1300 DX-5 9705 0500-1630(2115) DX-1;
BY-2 15330 1730-2300(2400) BY-1 15330 1230-2330 DX-4 6095 (0700)0800-1500 11775
GA-4 11790 1800-2300(2345) BY-3 9755 2300-0130 DX-1 11805 1500-1630(1800) (1800-2130)
GA-7 6030 (2300-1200) Pacific/Far East: DX-5 17765 2130-0400(0445) 2130
DX-4 15330 (2100)2130-0500(0600)(gh)

PROGRAM NEWS

(Many people express interest in this section but all too few are contributing --gh)

USSR It is intriguing to compare Radio Moscow's rather more bellicose African service with the relatively tame beast we hear in the U.S. Also somewhat unusual are R. Peace & Progress Hebrew broadcasts beamed our way (Michael Fine, Lachish Tsafon, Israel) SPAIN: See LN-4

NEW ZEALAND RNZ news sked daily, u.o.s.: 1800, 1830, 1900, Fri/Sat 1930, Sun-Thu 1955, F/S 2000, Sun-Thu 2030, 2100, Sat 2200, Sun-Fri 2300, 0000, 0030, Mon-Fri 0200 & 0300, Sat/Sun 0400, Mon-Fri 0500, 0600, 0830, 1000, all GMT days. Current affairs Sun-Thu 1900 in Morning report; Mon-Fri: 0000 Midday Report, 0600 Evening Report, 1010 Checkpoint. Sports Sun-Thu 1935; daily 0015, 0645. News in Samoan Mon 0555-0600; in Cook Island Maori Thu 0555-0600. (J76 sked via Allan Troster, Ont) Whatever of this remains valid should become an hour earlier as from 10/31 (gh) Mailbox with Tony King is on the third Sun at 1015 (Gushen, NZ)

INDONESIA I totally agree with Gib Junqua, Aug LN-7. I get a great deal of pleasure from hearing exotic stations and other types of music than that heard so often on the local BC bands. I recently hrd the Voice of Indonesia with a gamelan orchestra in concert. I'd never heard anything like that in my life, and thoroughly enjoyed its lilting and almost hypnotic sound. My hat's off to you, Gib! (Mike Agner, Waldwick NJ)

FALKLAND ISLANDS FIBS relays BEGWS 0000-0030, extended on local Sats with delayed re-transmission of other pgms, e.g. Financial News at 0150; also has pgms frn BBC Domestic Svc presumably tape or disc. Weekdays to 0200*, Sundays to 0100*, local days (Jones, Paraguay)

CHINA Heard the special Peking program announcing the Chairman's death including a 20 min long list of Chinese officials who expressed their condolences, mourning period, rallies, etc. (Tom Overcamp, SC, 9/9) Tried to pick up Peking via Tirana. Ham QRM made decent copy impossible and the 31m outlet has never been heard here (Jim Conrad, IA) At least half a dozen novices with no sense of history, including WN4NPY ruined it for me (gh)

CANADA "As It Happens" is back to full strength, and some new musical bridges, via NS and RGI weekdays 2230-2400; asking for requests of old time radio programs to be played on "Friday Night Theatre" 2330-2400 (AIH 9/15 via gh)

DX PROGRAMS

AUSTRIA ORF has revived its Spanish DX program, hosted by another Colombian, Carlos Arturo del Castillo, first and third Weds in the news block; features tips from LAm and Spain (RN Espacio DXista 9/10) "SW Panorama" (why the English name?? -gh) is on 1 & 3 Wed 1425-1430 and 2130-2200 (sic) (RGI DXismo en Marcha 8/29) Heard 8/5 at 0147 on 11870 (PLAY DX)

AUSTRALIA As ENam reception at 0240 declines, and DX pgm no longer on morning xmsn to NAm, would WNAm listeners kindly forward notes of the program for use in LN? Thanks (gh)

ARGENTINA Aconagua DX Club has a DX program on R Nacional Mendoza, on 6180 and 960, Tue and Thu at 0530; Wed and Sat at 1130 (RAE DX 8/28) RAE DX now weekly (John Wegener, IL)

BELGIUM BRT4 again reschedules DX pgm to: 4th Sunday of month (so you missed it in August & September? No advance publicity:) English at 1730 on 11940 9745; 0015 following Mon 9725. Spanish 2245 on 9730; Dutch 4th Tuesday at 2105 on 11940 9745 (BRT-4 card) Used to start 10 min after times given (gh)

GERMANY EAST REI's DX pgm run across 8/17 0406-0412, think every GMT Tuesday to NAm (last month it was reported as fortnightly -gh); no DX tips, but interesting info on research satellite, answers to tech questions; does not seem to be ham dominated (Arthur J. Watson, BC) REI is celebrating 10th anniversary of its DX Club; in Nov their 250th DX pgm will be broadcast. REI will issue 3 special QSL cards to all DXers sending reports for any three broadcasts heard on different days up to Oct 15 (Ed Insinger, NJ)

GERMANY WEST DW has a new Spanish DX pgm on the 3rd Sun of each month, produced by Carlos Reineke (sp?) (RAE DX 8/28)

HUNGARY R Budapest's "Report" 10/22 1042 1212 1442 2142, 10/23 0212 deals with "Double Word Pairs": similar words in Hungarian, Turkish and Finnish (gh) Oops, should have been above.

INDIA AIR Hyderabad is carrying a monthly DX program on 1380 MW, last Mondays at 1315-1330 since 8/30 at behest of IDXCI's A. J. Sampath (R. RSA DX; DX Party Line 9/2)

JAPAN The NSB DX Pgm times in July LN-9 are all wrong, but those in the August DX Programs Hour by Hour are correct. However, the Mon 0900-0915 "BGL in English" is a misnomer--85 to 90% of the program is in Japanese. What little English there is is spoken so slowly that it makes VOA Special English sound like Walter Winchell in comparison. As for the meaning of "Jeagum" once used in a DX program title, I asked some JADxers, and I gather it was the brand name of a receiver for kids; most Japanese products have some such special name (Junqua)

SOUTH AFRICA Radio RSA DX Corner broadcasts a DX quiz most Saturdays; the first correct answer received each week wins the writer an LP record (Gerry Wood, Radio RSA) The Sat pgm can also be heard sometimes on Wed, as 8/25 when the 2135 edition played was obviously intended for the following Sat, while the Wed 2305 edition was different and correct (gh)

USSR I continue to be somewhat baffled by the continuing references to the radio hobby as a "sport" in Soviet terminology, as on the 9/16 R. Moscow DX Program. Perhaps they have something up their sleeves for the 1980 Olympics? Imagine a timed competition in putting together a Heathkit...or a gold medal for doing the most countries during the Olympiad...or maybe using a ferrite rod in a relay race.... (gh)

DX CALENDAROctober

16 Monaco: TWR, 16 yrs
 17 Brazil: RCI Pernambuco, 52
 21 Somalia: National Day
 23 Brazil: R Anhanguera, 21
 26 Austria: National Day
 Iran: Shah's Birthday
 29 Turkey: Republic Day
 29 Paraguay: R Guarani, 21
 31 Colombia: R Vision, 18
November
 1 Algeria: National Day
 1 Vietnam: National Day

1 Guinea: Army Day
 1 LMA, Malta, Angola: All
 Saints Day/Todos Santos
 1-2 Bolivia: Todos Santos
 1 Panama: Nat'l Anthem Day
 2 Brazil, Uruguay, El Salva-
 dor, Panama, Mexico: Todos
 Santos
 3 Panama: Independence Day
 India: Diwali
 Ecuador: Cuenca Indep. D.
 5 El Salvador: Something
 6 Holland: R Ned, 57 years
 7 USSR: Revolution Day
 8 Thailand: Army Festivities

9 Guyana: Peacemakers' Day
 10 Bolivia: Potosí Day
 Honduras: LV Honduras, 43
 11 Canada: Remembrance Day
 Colombia: Cartagena Indep.
 Rhodesia: UDI
 12 Brazil: R. Ed. Bragança, 16
 13 Laos: King's Birthday
 14 UKOGBANI: BBC, 54
 15 Brazil: Republic Day
 Brazil: R Rio Mar, 22
 Venezuela: LV Táchira 41
 (adapted from 10/75 SDXL Sun-
 spot and Cees van der Zala,
 BDXX 9/75 and 10/75)

CLUB NEWS

Do you DX in the nude? Here's the club for you: Club Internacional de Maturistas, c/o Sr. Ramón Barragán L., Ap. 18-868, Mexico 18, D.F. They are looking for members who are also DXers, honest (RCI Spanish DX pgs 9/19) Radio USA has folded due to financial, time problems; ISWC has been floundering due to ill-ness of publisher, and popularity poll due for end of 1976 has been suspended (HCJB DX 8/22) Radio Mundial puts out a FRENDX-sized German magazine with summary in Spanish for LAM readers, and would consider English if such speaking members join. Impressive, classy job with lots of illustrations. Seems that the members, from Hamburg, make frequent trips to SA, especially Brazil, and articles in the magazine are great. 16 IRCs per year to Bernd Kielman, Wagnerstr. 2, D-2000 Hamburg 76, GFR. No logging or QSL sections (Al Sizer, CT, NU 8/21)

PUBLICATIONS

ANARC PUBLICATION LIST already has a 2nd edition, 1976-77, free for \$10 SASE in USA, Canada SAE and 15¢ mint Can stamps; elsewhere 4 IRCs, from ANARC, 557 N. Madison Ave., Pasadena CA 91101. Lots of good stuff in there. Orville Gettbell 1976, has frequency charts showing hours of transmission graphically. Relies so heavily on WRTVH, including inactive channels, and pages will fall out, but is useful as a quick reference, and accuracy seems greater below 5 MHz. By air, US\$2.50, or 10 Sw. Kr., from Radio Club of Sweden, Box 5083, S-102 42 Stockholm (David Walcutt, Chicago IL) The Secret Panel, a 1938 Hardy Boys adventure involved a "shortwave key" to open locked doors; in a revised edition they pick the locks (Rolling Stone 9/9 via Magne) SW is passé -g

PROPAGATION

The July Radio Communication, a British ham publication has an interesting analysis of sunspot cycles in which author F.M. King introduces a new factor--tidal cycles. Tidal forces of the planets with their mean period of 1.08 years have never been considered a potent factor in why sunspot peaks vary so greatly in amplitude--from 10.3 to 11.46 years. King feels the planets create a phase jitter making double peaks, attenuating or heightening the sunspot peak. Prima facie evidence is pretty convincing, since last peak did double and he predicts that cycle #21 will be greater than 20 (1968-9 peaks) and may be only slightly below #19--one of the highest sunspot counts on record. This is completely opposite to the Cohen & Lintz prediction that the next cycle is going to be horribly low. King feels #21 is starting now and will peak in 1980-81. If true, 977-78 conditions should be equal to those of 1972-73 (Perry Ferrell, NU 9/4)

In June Wireless World, "Is HF Propagation Getting Worse?" says "some old timers believe that radio paths have gradually deteriorated or at least changed. One of the few tangible pointers in support of this is the virtual disappearance of 'long delay echoes' which was heard regularly and authentically up to 1939. This might be part of some yet unidentified solar cycle or might reflect some increasing effect of the vast increase in total radiated power, affecting electron temperatures in the ionosphere." (Robert LaRose, SWNS 9/76)

INVITATION IN ISRAEL

I felt sorry for the poor fellow in July FRENDX who had little luck finding DXing equipment and companionship in Israel. Most homes have (unused) SW and LW bands. Any members planning to visit Israel are welcome to contact me by mail. In addition to a get-together (I have a spare room) and the almost noise-free reception, the experience of visiting this kind of settlement is almost worth a trip. The door is open. Also, I'd be happy to exchange current Israeli stamps and covers for some of U.S. (Michael Fine, Masuot Yitshak, D.N. Lechish Tsafon)

TIME JUMPS

Check last year's LNs for likely current actions. This year, France and Spain went back to GMT + 1 on 9/26; Jordan and Syria dropped DST

to GMT + 2 on 8/26, just ahead of Ramadan (BBCMS)

INTRUDER WATCH

(Cf Sept LN-7) When the skip is right it wipes out all but the strongest stations across 20m in much of the eastern US. ICG's Treaty Branch has initiated diplomatic action, but until the source is definitely established that's a shot in the dark. No discernible intelligence has been found, though a couple of Intruder Watchers feel they may have heard a few cyrillic CW characters at the beginning and end of some transmissions (HR Report #108 via SWNS 9/76) Refers to the pulsed wideband jammer(?) or over-the-horizon backscatter radar xmttr showing up on 9600, 11715 and many other center frequencies (gh)

IN MY OPINION

Don Jensen, WI: "The whole thrust of international broadcasting has been to "more" and "bigger", a shouting contest that has led to the sad state of affairs within the bands. Today, "bigger", that is more and more powerful transmitters, is just getting too expensive to continue. And that's okay by me. So the answer the "Biggies" have is to go the "more" route, more frequencies so they can spread out. So no way is an expansion out of band going to mean a freeing of the in-band spots for the smaller stations and countries. They are going to continue to be walked all over as the little guys always are. I'd like to see pressures to keep the major international stations within the bands where they would cause such havoc among themselves that they would be forced to a SALT-like agreement to limit broadcasting hours and frequencies. Reluctantly they could all manage to live with that, the massive broadcasting overkill present now could be reduced, and everyone would benefit, DXer and non-DXer alike. Okay, I'm a dreamer. The 'race' will continue. There is an old term; Blivit. This is defined as 10 pounds of manure in a 5 pound bag. In going oob extensively, the world's major international broadcasters are just making the bag bigger. It should be recognized that they've still got 10 pounds of the stuff to dump on us!"

Dave Walcutt, IL: "Just as listeners tend to be isolated from one another, so there is lacking among the international broadcasters a true milieu of collective mutual awareness. Any station has a hard-core group of listeners and correspondents no matter what the programming; these listeners tend to self-select for whatever reason; and the result is to encourage the existant programming and lower the overall standard of quality. An impressive cultural resource is available through international broadcasting, and the largest contributors to this are usually the most aware. Perhaps the saving grace of the 'magazine' formats is that the appeal is deliberately diverse as far as listeners are concerned rather than narrowly idiosyncratic. Your average RCI listener is bound to be a far cry from the 'typical' R. Tirana, or for that matter, RAI, listener."

Jerry Slaff, NY: (Of July LN-12) "The fact that Howard Campbell broadcast on SW means nothing. If I wrote a book about someone who just happened to be a SWBCer, and it was reviewed in a SW magazine, I'd get fairly annoyed. It is akin to reviewing Kafka's Metamorphosis in an entomological quarterly."

C.M. Stanbury, Ont responds to our July LN-11 challenge: "In 11/62 the USN set up a 1040 kHz VOA relay on Dry Tortugas Key. It received its programming off the air from VOA SW sites. Dry Tortugas did not ID itself but often rebroadcast the identity of whichever SW entity it happened to be relaying. IDs hrd included R. Americas (which carried VOA pgms during the missile crisis), WLWO (supposedly at Bethany), WVUS and WRUL (Despite the fact that this one was supposedly calling itself WVUS during this period.) John H. Mullaney was consulting engineer on the project, and says, "We received our programming via a Boston station and two other SW stns--not on Swan Island. One was in Greenville, NC, and I believe the other was at Belmont, GA". When pressed on the R. Americas IDs relayed by Dry Tortugas Mullaney replied "Due to certain security aspects of the operation it is quite possible the IDs were arranged to confuse as part of the operation". Now it's true the foregoing does not absolutely prove WVUS came from locations other than Boston, but it seems reasonable to assume that all VOA IDs were 'arranged to confuse'."

DON'T YOU BELIEVE . . .

...that "mHz" is the correct abbreviation of "megaHertz". It's off by a factor of one billion since m is the standard symbol for "milli" (1/1000). M stands for "mega" (1,000,000). Besides, if you go to the trouble to capitalize "H" in the middle of the abbr., why not capitalize the "M" and be completely correct? (gh)

...that RCI is rerunning the frequency management course as in Sep LN-6. We had planned to but unforeseen circumstances prevent it (Ian McFarland, RCI 9/18)

...that orders for the Spanish/Portuguese book can be filled from Philadelphia; they've moved it to Pueblo CO (Ed Insinger, NJ)

...that Sen. Gary Hart is a DXer, but someone on his staff is a NASWAN (Kim A. Elliott, MN)

...that Sen. Hart is to be credited with the VOA QSL policy accomodation. A certain DXer is

...that any Ecuadorians are active on 49m besides HCJB (DX Party Line 8/28) (gh)

...the years-old skeds quoted from a Tennessee club on DXPL 9/16 (gh)

...gh's fq acceleration units Aug LN-3. Velocity is rate of change of length per time. Accel-eration is change rate of velocity per time. Freq velocity would be freq per time, or kHz/sec. Freq accel. would be freq velocity per time, or kHz/sec². I believe you meant frequency velocity of 0.023 kHz/sec if such a thing exists! (Tom Overcomp, SC) I was thinking of the frequency itself as a radial velocity. It isn't a length (gh)

...that the WRTH Cape Verde listing belongs in a 1976 handbook. All items are at least 3 years old. There are many such useless items in WRTH 76, some from Haiti (Victor Jaar, PQ)

...the eclipse monitoring sked; I assume the revisions appear elsewhere this issue (gh)

...that MW DX is possible only after sunset as on WRC 9/15 ...that WRTVH lists all the radican stations in the world, as on RSA DX 8/25; hardly, in fact I lost interest in keeping my Mexican section updated since they refused to include Mexican FM stations (gh)

...that a beam from ETLF toward South Africa eventually crosses eastern Australia, as in AD-XN 8/76; far from it when you consult a globe (gh)

...that I should wash my car, as Ed Shaw suggested 9/6; insides count more than outsides, hi

QSL

Report



•Editor: William E. Oliver

45 Wildflower Rd., Levittown, PA. 19057

Polish Radio has offered to begin a "DX/Listeners' Club" type of program if there is sufficient interest and if they receive enough suggestions on the format for such a program. This is a rare opportunity for SWL's and DXers to "design" a program as they would like to have it. Please send all suggestions to Henry Rockwood, RD #6, St. Clairsville, OH. Thanks.

We have 113 countries this month. That's only 3 off the record which you set in May. I had to cut some items to keep within the page limit, but everyone who sent in material is represented. This includes Gerry Bishop, Christiana, PA, who verified Austrian Army Radio and Gregg Calkin, Ottawa, who reported the pirate station "ABC England". Another newcomer to "QSL Report" is Radio Vila, New Hebrides which Graeme R. Brown, Richmond, BC, QSL'ed. That's only 3 of many. Read on....

ALBANIA: R. Tirana, 7300, f/d "Revolutionary" card w/freq as "41 mb" in 60 days on my 3rd try for EE rpt and 2 IRC's. (Talbot-WI); same card w/o freq and sked in 57 days. No rp. (Glazzy-CA).

R. Peking Relay, 9780, "Happiness Canal" card, pennant, pin, nice letter and a threat of more "goodies" in 1 month for 1 IRC. (Rockwood-OH). Henry says that this R. Peking QSL is 14 inches long! ed.

ALGERIA: RTVA, 7195, f/d card and sked in 4 months for EE rpt on AA xmsn. No rp. (Overcamp-SC).

ARGENTINA: RAE, 9690, card w/freq only in 78 days for 2 IRC's. (Camillo-NY) LOL, 10000, large f/d card in 22 days for EE rpt, mint stamps and 1 IRC. (Mulvey-NY).

ARMENIAN SSR: R. Moscow via Yerevan, 17700 (African Svc), card w/site in 1 month. (Behr-ONT).

R. Yerevan HS, 4810, usual crummy white card w/full data in 17 weeks, registered mail. Votes for the worst QSL around! (Cosier-AUST). Might be, Geoff, but I didn't throw mine away. ed.

ASIATIC RSPSR: R. Moscow xmtr site cards in 1 to 2 months reported by Hancock-AL, Barto-CT, Legge-VA, Herkimer-NY, Bishop-PA and Vockeroth-PA for Kenga 9720. Omsk 7320. Khabarovsk 12000/12050. Petropavlovsk-Kamchatka 9710. Vladivostok 11960. Nikolayevsk-on-Amur 9735. Krasnoyarsk 11820.

AUSTRALIA: R. Australia, 9580, "Blue Wren" card and sked in 290 days, sea, for 1 IRC. (Rockwood-OH): 17795, same f/d card in 37 days for rpt on FF xmsn to Pacific. No rp. (Gionet-NB): 15240/15320, f/d cards in 27 days for 2 IRC's. (Hancock-AL).

VLI6-Sidney, 6090, f/d map card in 24 days. No rp. (Brown-BC).

VLH9-Lyndhurst, 9680, map card in 49 days. No rp. (Bishop-PA).

VLH15-Melbourne, 15230, card in 96 days. No rp. (Mayer-IL).

VLW15-Perth, 15425, card in 17 days. No rp. (Cain-LA).

VNG, 12000, f/d form letter in 98 days. No rp. (Herkimer-NY).

AUSTRIA: ORF, 9770, f/d silver card and sked in 18 days for EE rpt. No rp. (Tomkewich-MAN); f/d "Wien" card, pennant and red/blue sticker in 24 days for 2 IRC's. (McIntosh-ONT); same card and decal in 26 days for 2 IRC's. (Haas-NJ).

Schulungssender des Osterreichischen Bundesheeres, 6221, card with verie statement and freq of 6250 kHz crossed out and 6221 kHz typed in 17 days. No rp. Card was not signed and air postage was 6 Schillings. (Bishop-PA). This is Austrian Army Training Transmitter. ed.

AZERBAIJAN SSR: R. Moscow via Baku, 15415, card w/site in 1 month for rpt on African Svc. (Behr-ONT).

BELGIUM: ORU, 9730, f/d card, sked and pennant in 38 days. No rp. (Schulman

-NY): 9725, card and sked in 4 months. No rp. (Hancock-AL).
BELIZE: R. Belize, 3300, card w/o time in 14 days for 3 IRC's. Power listed as 1 kw. V/s Mrs. J. Roberts. (Hancock-AL).
BOLIVIA: La Cruz del Sur, 4875, no-data card, letter w/freq only and pennant in 70 days for 2 IRC's. (Rockwood-OH).
BOUGAINVILLE IS: R. Bougainville, 3322, letter w/date confirming reception and apologizing for delay in 44 days for 2 IRC's. (Gower-IL).
BRAZIL: R. Nacional de Brasilia, 11780, f/d map card and travel literature in 16 days for 1 IRC. (Camillo-NY).
 R. Guaiba, 11785, verie letter in 6 weeks for PP rpt, mint stamps. V/s Enio Berwanger. (DiLeo-CT): 5965, PP verie letter saying that my rpt was checked with the sked from that day and a newspaper clipping of an article on my rpt w/photos of the envelope. All in 2½ weeks, registered mail, for PP f/up. No rp. My first rpt was never received. (Cosier-AUST).
 R. Difusora Roraima, 4839, letter, postcard and 33 rpm record of Brazilian music in 9 weeks for PP letter and mint stamps. (DiLeo-CT).
 R. Bandeirantes, 11925, trilingual card and "Thank You" card in 5 months for PP rpt and 1 IRC. (Poppin-CA): 9645, no-data EE/GG/PP station card in 7 weeks for NASWA PP rpt. No rp. (Cain-LA).
BRUNEL: R. Brunel, 7215, f/d card in 66 days for EE rpt, 1 IRC. (Smith-NY).
BULGARIA: R. Sofia, 9700, "University" card in 75 days for EE rpt. No rp. (Murphy-MI); same card in 40 days. No rp. (Haas-NJ).
BYELORUSSIAN SSR: R. Moscow via Orsha, 9655, f/d "CMEA" card in 30 days. No rp. (Ronda-OH); same card in 24 days. No rp. (Herkimer-NY).
CAMEROUN: R. Garoua, 5010, f/d form letter in 44 days for FF letter, mint stamps and several f/up rpts over the past two years. (DiLeo-CT).
CANADA: CBC Northern Svc, 9625, f/d "Bear" card in 26 days. No rp. (Macris-MO); same card and sked in 17 days. No rp. (Inhat-PA).
 CFRX, 6070, "Carnival" card w/o time, sked and station info in 10 days on 2nd try for 1 IRC. (Kay-NY).
CANARY IS: RTVE Relay, 11800, two cards in 104 and 72 days for a total of 2 IRC's. (Bishop-PA).
CHAD: Rdiff. Nationale Tchadienne, 4904.5, f/d "Three Pictures" card in 16 days for FF rpt and 1 IRC. Postage on verie, 90 F. (Gionet-NB).
CHILE: R. Minería, 9750, EE/SS QSL letter which asked for more rpts in 18 days for SS rpt. No rp. V/s Manuel Vergara Llanea. (Cain-LA).
CHINA: R. Peking, 11945, "Timber Forest" card in 26 days. Mags and a very nice calendar followed. (Murphy-MI): 15060, card w/o time, pennant and nice letter thanking me for my concern expressed about the earthquake in 17 days. No rp. (Hancock-AL).
CLANDESTINE: ABC England, 6270, card w/full data, personal letter from DJ and station info sheets in 3 weeks for British mint stamps. (Calkin-UK).
COLOMBIA: R. Nacional, 9682, no-data friendly letter from Francisco Restrepo A. in 17 days for EE rpt and 1 IRC. (Macris-MO).
 R. Surcolombiana, 5010, personal letter in 7 months for SS rpt and mint stamps. I spent over two years and sent about 11 letters for this one! (Lazarus-LA).
 R. Santa Fe, 4965, "Berry Picker" card and pennant in 6 days for NASWA SS rpt. No rp. (Murphy-MI).
COSTA RICA: R. Casino, 5955, f/d green card and lime-colored pennant in 12 days for EE rpt, 2 IRC's, US stamps and local postcard. (Ronda-OH).
 TIFC, 9645, f/d card and pennant in 23 days for 1 IRC. Power listed as 500 watts. (Camillo-NY).
CUBA: RHC, 11725, f/d card, sked and mags for rpt on Jan. 9, 1976 xmsn in 9 months for 3 f/up rpts and 5 IRC's. Finally got it! (Tomkewich-MAN): 11760, card, sked, info and newspaper in 50 days. No rp. (Forrest-MI).
CYPRUS: BBC Relay, 7140, no-data Thames card and sked in 10 days. No rp. (Bishop-PA).
CZECHOSLOVAKIA: R. Prague, 7345, f/d "Castle" card and Monitor Club info in 45 days. No rp. (Forrest-MI): 7345/5930, f/d "Lake Macha" card in 46 days. No rp. (Meehan-CT): 7345/11990, f/d cards and first day covers in 50 days for 1 IRC. (Rockwood-OH): 9540/11990, f/d cards in 28 and 41 days. No rp. (Moss-CA).
DENMARK: R. Denmark, 15165, f/d "Radiohouse Tower" card in 18 days for EE/Danish rpt and 1 IRC. (Vockeroth-PA).
DODECANESE IS: VOA-Rhodes, 7105, f/d card in 1 week. No rp. (Vockeroth-PA).
ECUADOR: HCJB, 15300, f/d "Speedx" card in 7 days and f/d "Bread Dough Llama" card and letter in 20 days for rpt on the same prgm. (Talbot-WI); f/d "Woodcarving Card #1" which I requested, blue/gold pennant and ANDEX mailing in 28 days. No rp. (Alintuck-MA): 11915, "Llama" and "Owl" cards per my

request in 24 days for 40¢ in US mint stamps. (Meehan-CT).

R. Pastaza, 3315, verie letter in 7 weeks for SS letter and mint stamps. V/s Oswaldo Jara, Gerente. (DiLeo-CT).

Escuelas Radiofonicas Populares, 3985, personal letter and pennant in 7 months for SS rpt, tape and mint stamps. (Lazarus-LA).

R. Zaracay, 3390, personal letter w/date and freq and a pennant in 33 days for SS rpt and 1 IRC. (Mayer-IL).

R. Quito, 4925, blue/white no-data folder card in 39 days. No rp. (Herkimer-NY): 4920, multilingual folder card in 13 days for NASWA SS rpt. Verie says 4920, not 4925. (Murphy-MI).

Emisora Gran Colombia, 4910, f/d verie letter, stamps and pennant in 15 days for 1 IRC and a picture of Luis Tiant. V/s Eduardo Cevallos Castaneda. (Hall-NY). Now I think I've heard everything! ed.

EGYPT: R. Cairo, 9805/9475, f/d cards, mint stamps, postcard w/personal message in 23 and 88 days for a total of 3 IRC's. (Camillo-NY).

ENGLAND: BBC, 11780, no-data card in 21 days for 1 IRC. (Macris-MO).

RCI Relay via Daventry, 7155, "Olympic" card in 14 days. No rp. (Gionet-NB).

ETHIOPIA: ETLF, 7165, f/d card w/four pictures on the front and sked in 98 days for EE rpt and 3 IRC's. (Rojewski-WA): 11800, beautiful f/d "Four Scenes" card and sked in 59 days for 3 IRC's. (Hancock-AL).

EUROPEAN RSFSR: R. Moscow, 9700, f/d "Kalinin Prospekt" card in 29 days. No rp. (Kay-NY): 9685, same card in 58 days. No rp. (Macris-MO).

R. Moscow xmtr site cards reported by Hancock-AL, Kapinos-MA, Behr-ONT, Gionet-NB, Legge-VA, Gaffin-NY, Barto-CT and Vockerth-PA for Ryazan 9720. Tula 7250/9610/17760. Vologda 15350. Moscow 7100/7360/9450/9470/9500/9640/9680/9700/11690/12035/15360.

R. Station Peace & Progress, 15185, f/d orange card w/pen sketch of Moscow buildings and red/white RSP&P logo in 25 days for EE rpt. No rp. I requested pennant and xmtr site but didn't get either. (Meehan-CT).

ABC ENGLAND

48 MEIRES SHORT-WAVE every Sunday

To G. A. Calkin. Thank you for your reception report for ABC ENGLAND dated 1 Aug 1976. This card confirms that you received ABC ENGLAND on the above date on 6270 kHz at 1118 hrs GMT.

REMARKS:

Gary Day

ABC ENGLAND, 42 ARRAN CLOSE, CAMBRIDGE, ENGLAND

FINLAND: R. Finland, 15110, f/d card, sked and blue/white pennant in 16 days for flower seeds as a gift. (Schipelliti-MA); card, sked and "Hear Finland" in 16 days for 3 IRC's. (Stees-PA). You can buy a lot of flower seeds for 3 IRC's, Bob. ed. f/d card, pennant and "Hear Finland" guides in 14 days. No rp. (Meehan-CT).

FRANCE: RFI, 15155, f/d card and flag in 17 days for 1 IRC. (Hall-NY): 15300, f/d "Paris" card in 2 weeks for 2 IRC's. Next day I received a letter with 3 pennants and 2 outdated skeds. (Haas-NJ).

GALAPAGOS IS: La Voz de Galapagos, 4810, personal letter and pennant in 11 months for SS rpt, tape and mint stamps. (Lazarus-LA).

GEORGIAN SSR: R. Moscow via Tbilisi, 11805, card w/site in 1 month. (Behr-ONT): 9760/11805, cards in 1 month. (Legge-VA).

GERMANY (E): RBI, 11840, f/d "Muggelturm" card and letter promising mags in 56 days for aerogramme. No rp. The letter says, "P.S.: The station pennant we have reserved for regular listeners. You are invited to qualify for one."!! (Sarrazin-CO): 9730, f/d "Castle and Antique Auto" card in 10 weeks. No rp. Promise of goodies to come. (Kapinos-MA); f/d "Goethe Stat Weimer" card and nice pennant in 56 days for 1 IRC. (Rojewski-WA): 11890, f/d "Marchenbrunnen" card and letter in 62 days. No rp. "RBI Journal", 3 first day covers and info came under separate cover. (Glazzy-CA).

- GERMANY (W):** Deutsche Welle, 6100, QSL card, sked and "Hallo Friends" in 10 weeks for 3 IRC's. (Stees-PA): 9690, card in 50 days. (Granone-NM).
Suddeutscher Rundfunk, 6030, yellow/black card w/date and freq in 93 days for EE rpt. No rp. Also received rpt form card. (Mayer-IL); f/d card in 57 days for EE rpt and 1 IRC. (Smith-NY).
Radio Free Europe, 9505, blue/white card w/o time in 21 days for EE rpt. No rp. (Brown-BC).
- GHANA:** GBC, 6130, f/d card and sked in 137 days. No rp.. (Bishop-PA).
- GREECE:** V. of Greece, 9760, f/d white card and sked in 25 days. No rp. (Ronda-OH); f/d white card in 37 days for EE rpt and 1 IRC. (Haas-NJ); f/d card and sked in 18 days. No rp. (Gaffin-NY).
- GRENADA:** R. Grenada, 15105, f/d card w/sked on it in 87 days for 2 IRC's. (Bishop-PA).
- GUATEMALA:** TGNA, 3300, card w/o time and wrong date, sked and religious brochure in 14 days for EE rpt and 1 IRC. (Cain-LA).
- GUINEA-BISSAU:** R. Nacional da Rep. da Guinea-Bissau, 5041, green card with date and freq in 49 days for EE rpt and 1 IRC. (Smith-NY).
- HAITI:** 4VEH, 9770, "Haitian Woman" card in 40 days for 1 IRC. V/s Mrs. Edna Beachy. (Haas-NJ); f/d card in 46 days for 1 IRC. (Camillo-NY).
- HAWAII:** WWH, 15000, "Aloha" card in 8 days for US stamp. (Granone-NM); f/d folder card, serially numbered, in 13 days. No rp. (Kapinos-MA): 10000, "Aloha" card in 3 weeks. (DeRoy-ME).
- HUNGARY:** R. Budapest, 6000, f/d "Are You a Member?" card and DX Club info in 2 weeks. No rp. (Kapinos-MA): 9833, f/d card, mag and RBSW Club form in 39 days for 2 IRC's. (McIntosh-ONT): 11910, f/d card, sked, nice pennant and "Thank You" note from Maria Sotor in 29 days for 2 IRC's. (Moss-CA).
- INDIA:** AIR-Ranchi, 3305, letter in 2 weeks for EE f/up. No rp. (Cosier-AUST).
- IRAN:** V. of Iran, 15085, "Mahabad TV" card w/wrong date and time in 26 days for EE rpt and postcard. No rp. (Brown-BC): 9022, f/d "Kerman TV" card and pennant in 15 days. No rp. (Hall-NY): 11770, f/d "Abadan TV" card w/wrong freq of "9022 kHz", plastic pennant, sked and contest details in 22 days. No rp. (Gaffin-NY).
- IRAQ:** R. Baghdad, 6030, map card w/all data wrong, sked, metal tag w/RBI emblem on it, paper emblem and 3 beautiful postcards of Baghdad in 9 weeks. No rp. (Cain-LA).
- ISRAEL:** IBA, 9815, f/d "Shrine" card in 3 weeks for rpt form. No rp. (Haas-NJ): 11645, "Knesseth" card and sked in 30 days. (Granone-NM): 15100, f/d "Western Wall" card in 43 days for 1 IRC. (Camillo-NY).
- ITALY:** RAI, 9575, f/d "Il Settecento Italiano" card and sked in 203 days for EE rpt. No rp. (Tomkewich-MAN): 6010, "Amore & Psiche" card with a friendly "Accept our best wishes, please." in 3 months for 1 IRC. (Haas-NJ).
- JAPAN:** R. Japan, 15105, "Hakata Doll" card, sked and pennant in 8 days. (Granone-NM); "Doll Playing Koto" card in 10 days for NHK rpt form. No rp. Probably the most beautiful card I've seen! (Dubrick-IL): 15195, f/d "Court Lady" card, pennant and copy of R. Japan News in 31 days for 1 IRC and tape rpt which was returned. (Hall-NY).
NHK, 3607.5. (HS Relay, 1 kw), "Star Announcers" card w/date, freq and verie statement in 3 weeks for EE rpt. No rp. (Brown-BC): 6130, (HS-via Kumamoto) card w/o time in 4 weeks for EE rpt. No rp. NHK HS #8. (Cosier-AUST)
- NSB, 9595/6055, f/d colorful "Antenna Tower" card w/TNX FR UR QSL on it in 2 months. No rp. (Biasini-ALB): 9595, f/d card and newspaper clipping on NSB in 32 days. No rp. (Gower-IL): 3925, f/d card in 3 weeks for EE rpt on JJ xmsn and reprint of EE article on NSB. No rp. (Overcamp-SC).**
- KOREA (N):** 11535, f/d "Actors Playing Soldiers" card in 2 months for EE rpt on EE xmsn. No rp. (Overcamp-SC).
- KOREA (S):** f/d card, sked and pennant in 4 months. No rp. (Overcamp-SC).
- KUWAIT:** R. Kuwait, 11845, folder card in 1 month. No rp. (Legge-VA): 11940, f/d folder card and sked in 26 days. No rp. (Hall-NY).
- LIBERIA:** ELWA, 11945, f/d "Drummer" card, sked and religious pamphlets in 7 months for EE rpt. No rp. (Quinn-NY); same card, sked, fact sheet on Liberia and religious info in 7 1/2 months. No rp. (Schulman-NY): 4770, f/d "Drummer" card, sked and religious pamphlets in 6 months for EE rpt. No rp. (Mulvey-NY).
- VOA-Monrovia, 3990, f/d "Stamps" card w/site in 6 days. No rp. V/s Vivian Stahl. (Bishop-PA).**
- LITHUANIAN SSR:** R. Moscow via Kaunas, 7100, f/d card in 2 weeks for NA Svc (Legge-VA): 11870, card in 1 month. (Barto-CT).
- LUXEMBOURG:** R. Luxembourg, 6090, "Antenna/Coat-of-Arms" card in 70 days

for mint stamps. (Quinn-NY); card in 1 month. No rp. (Cain-LA).
MALAGASY REP: R. Nederland Relay, 9715, f/d "Eddie Startz Memorial" card in 10 days. No rp. (Ronda-OH): 11730, same f/d card in 45 days for 1 IRC. (Camillo-NY).
MALAYSIA: R. Malaysia, 9665, f/d QSL folder card w/info on the country, sked and many cancelled stamps in 3 weeks. (DeRoy-ME).
MALTA: Telemalta Corp, 6035, letter, sked and info on Malta in 161 days for EE rpt and 2 IRC's. (Nicolosi-NJ).
 IBRA, 6035, card, sked and pennant in 12 days for 1 IRC. (Schneck-MA)
 Deutsche Welle Relay, 6100, no-data card and copy of "Hallo Friends" in 61 days. No rp. (Gaffin-NY).
MARTINIQUE: FR3, 3315, f/d black/white verie in 1½ months. (DeRoy-ME); "Beach Scene" card in 4 weeks for FF rpt, 1 IRC. VIC #174! (Cosier-AUST).
MAURITANIA: R. Mauritanie, 4845, map card w/date and time in 119 days for EE rpt and 3 IRC's. Paragraph in FF on the card thanked me for my rpt and wished me success in SW listening. (Gower-IL); f/d FF "Map & Flag" card in 102 days for FF rpt. No rp. (Schulman-NY); f/d card in 2 months. (Barto-CT).
MONACO: TWR, 7110, card, sked and religious info in 10 days for 1 IRC. (Schneck-MA).
MOZAMBIQUE: R. Mozambique (Beira), 4895, f/d very colorful map card in 27 days for EE rpt, 1 IRC, US stamps and local postcard. (Ronda-OH).
NETHERLANDS: R. Nederland, 9715, "Happy Station" card in 33 days. (Granone-NM): 11730, f/d "Eddie Startz" card in 7 days. (Hall-NY); f/d card via Hilversum in 21 days for 2 IRC's. (Hancock-AL).
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, card in 45 days. (Murphy-MI); f/d "Eddie Startz" card, bumper sticker and a million data sheets in 46 days. No rp. (Biasini-ALB).
 TWR, 11925, f/d studio card, sked and religious info in 28 days for 1 IRC. The pennant I requested didn't come. (Bishop-PA).
NEW CALEDONIA: R. Noumea, 7170, orange card w/only date and time in 43 days for FF rpt and 2 IRC's. (Gionet-NB); map card w/no specific freq in 43 days for NASWA FF rpt and 1 IRC. (Biasini-ALB).
NEWFOUNDLAND: CKZN, 6160, f/d CBC card in 1½ months. Power, 300 watts. (Calkin-ONT); f/d standard CBC card in 5 days for US stamps and local postcard. No rp. (Ronda-OH).
NEW HEBRIDES: R. Vila, 3945, f/d "Tam-tam Drum" folder card w/xmtr and antenna info and map of New Hebrides w/stamp "British Residency" on the envelope in 46 days for EE rpt, 3 IRC's and local postcards. (Brown-BC).
 R. Tanafo, 7117, verie letter from Pres. Jimmy Molly Steven in 4 weeks for rpts on 3 day's xmsns. Power, 60 watts! I love it! (Cosier-AUST). Radio Tanafo? You mean Radio Vila has competition?
NEW ZEALAND: RNZ, 11705, f/d "Snowcapped Mountain" card in 20 days for used stamps. I received at the same time a f/d "High Country Lake" card for a rpt on 15110 kHz which was 1 year old! (Sarrazin-CO): 6105, f/d "Fisherman" card and outdated close-down notice in 120 days. No rp. (Hall-NY): 11780, f/d "Rugby" card and sked in 98 days. They enclosed a message asking for 2 IRC's with all future correspondence. (Schulman-NY); f/d card and notice of External Svc termination in 129 days. No rp. (Schneck-MA); f/d "Trout Fishing" card in 148 days. No rp. The trout shown on card must be 3 feet long! I know where I'm going some day! (Poppin-CA): 11845, f/d "Mountain" card in 124 days w/notice that service will close. This card came after my second verie arrived. (Schulman-NY): 15130, f/d "Statue" card and sked in 3 weeks for 2 IRC's. (Dubrick-IL).
NIGERIA: V. of Nigeria, 7275, green/white card and sked in 41 days. (Granone-NM).
 NBC, 4990, f/d VON card in 32 days for EE rpt, 1 IRC. (Gionet-NB).
 R-TV Kaduna, 6090, f/d gray/green RTVK logo card in 25 days for EE rpt, US stamps and local postcard. They returned the IRC I sent. (Ronda-OH); QSL card for NBC w/wrong freq and location in 83 days for EE rpt. No rp. (Smith-NY): 3396, card in 6 weeks. (Cosier-AUST): 9570/6090, nice card in 4 months for rpt on EE Svc. 6090 kHz now uses 100 kws. Address: Broadcasting Company of Northern Nigeria Ltd. P.O. Box 250, Kaduna. (Barto-CT).
NORWAY: R. Norway, 11860, f/d "Trout Fishing" card, bulletin and little flag in 53 days for EE rpt on EE xmsn and used stamps. (Saeazain-CO); f/d "Autumn Lake" card in 2 weeks for 1 IRC. (Dubrick-IL): 9645, QSL card, sked and 2 pamphlets in 20 days for 3 IRC's. (Stees-PA): 11870, "Trout Fishing" card and sked in 30 days. (Granone-NM); same f/d card, sked and small flag in 18 days. No rp. (Forrest-MI).
OMAN: R. Oman (Muscat), 11890, f/d letter from Radio Oman, Ministry of Information & Culture, P.O. Box 600, Muscat in 10 months. (Calkin-PAKISTAN).

PAPUA NEW GUINEA: NBC, 4890/9520, two cards received 19 days after sending a f/up on a year-old rpt and 3 more IRC's. Cards are yellow on white map cards and one has the message, "Your reception reports was very much accepted. Please keep up the good work." (Biasini-ALB).

R. East Sepik, 3335, letter w/date in 1 month for EE rpt and 2 IRC's. V/s Marcus Gugutimi. (Gower-IL).

PERU: R. Andina, 4995, form letter and pennant in 14 months for SS rpt, tape, and mint stamps. V/s Teodosio Munoz Inga. (Lazarus-LA); letter and pennant in 3 months. I now have 2 pennants from this station! (Barto-CT).

PHILIPPINES: V. of Philippines, 9580, f/d card, sked, questionnaire and tourist info in 5 months for 1 IRC. (Biasini-ALB).

FEBC, 7225, f/d map card, sked and religious info in 5 weeks for 2 IRC's and EE rpt. V/s QSL Secretary Zeny Fisca. (Cain-LA): 17810, f/d map card in 4 weeks for 3 IRC's as requested in WRTVH. (Kapinos-MA).

VOA-Tinang, 9555, f/d "Stamps" card in 6 days. Also received complete site/power sked which is available upon request. (Kapinos-MA).

RADIO VILA Stations YJB4, YJB7
of the
New Hebrides
Broadcasting Service

To: **GENE ROY BROWN**
Of: **RICHMOND, B.C.**

I am pleased to be able to confirm your
reception of this station
at G.M.T. **0810**

on **28/6/76**

TRANSMITTER: AWA BTH-2

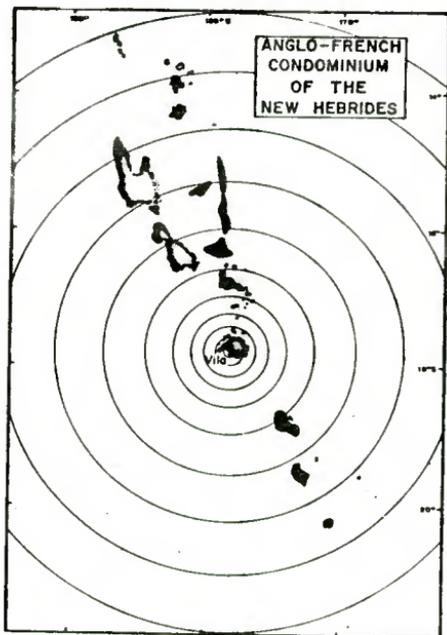
FREQUENCY:

NOMINAL OUTPUT POWER: 2KW

ANTENNA SYSTEM; 3945 KHz - Vertical
incidence TRO/4/0.3 array of four
phased dipoles in rectangular arrange-
ments, with radiation peaks directed
north and south. 7260 KHz - ~~colinear~~
array 0.32 above ground. **RADIO VILA**

THE NEW HEBRIDES
BROADCASTING
SERVICE

for Radio Vila



POLAND: Polish Radio, 11815, "DX Club" card, sked, postcard and letter in 69 days for 1 IRC. (Biasini-ALB); same f/d card, postcard, letter, PR badge and sked in 89 days for 1 IRC. (Moss-CA); f/d "Statue" card, sked and info on antennas in 116 days. No rp. (Bishop-PA): 15120, f/d card, sked, postcard, antenna book and nice letter from Lech Stanislawski apologizing for delay in 67 days. No rp. Promised a cassette tape. (Hancock-AL): 11840, f/d blue "Indian Statue" card, sked, pamphlet on improving SW reception, postcard and letter in 82 days for 1 IRC. (Glazzy-CA): 9540, f/d "DX Club" card and sked in 84 days for 15¢ in US mint stamps. (Schipelliti-MA): f/d card, pennant and nice letter in 58 days for 2 IRC's. (McIntosh-ONT); f/d "WW II Memorial" card, badge, sked, postcard and personal letter in 47 days. No rp. (Schulman-NY): 11815/11840, "Bohaterom Warszawy", "Map" and "DX Club" cards in 3 months. No rp. (Poppin-CA): 9675/11815/11840/15120, five f/d cards w/ "Heraldic Arms of Polish Towns" on them, all different for 5 rpts on NA Svc dating back to May, '76 received Oct. 3rd. New QSL set! (Oliver-PA): 7270/9675/11815/11840/15120, Jackpot! Eight f/d cards for 3 IRC's. Also received sked, postcards, nice letter from Lech in 1 to 3 months. (Rockwood-OH).

PORTUGAL: Emissora Nacional Portugal, 11935, f/d "Lisbon" card in 14 days for 1 IRC. (Alintuck-MA); same card in 14 days for flower seeds as a gift. (Schipelliti-MA): 6025, f/d "Boat" card, sked and gold stickers in 16 days for 2 IRC's. (McIntosh-ONT).

IBRA Radio, 9670, f/d map card, sked, pennant and letter from Nina Sundberg in 12 days. No rp. (Herkimer-NY).

ROMANIA: R. Bucharest, 5990, f/d "Map & Buildings" card in 96 days for 1 IRC. (Macris-MO); f/d card and pennant in 24 days for 1 IRC. (Camillo-NY): 11940, f/d card, sked and club info in 3 months. No rp. (Dubrick-IL).

RWANDA: DW Relay, 7225, no-data card in 24 days for EE rpt on EE xmsn. No rp. (Gower-IL); f/d "Afrika" card in 71 days. No rp. (Cohen-NJ).

RYUKYU IS: VOA-Okinawa, 7165, f/d Capitol card in 5 days. (DeRoy-ME).

SAO TOME: R. Nacional, 4807, multi-picture postcard QSL w/date and freq in 1 month, air, for EE rpt and mint stamps. (Zabransky-NJ).

SENEGAL: R. Senegal, 4890, f/d black/white card listing power as 4 kw in 75 days. No rp. (Schulman-NY); FF "Guitar" card and sked in 70 days. (Granone-NM).

SEYCHELLES: FEBA, 9665, f/d card w/notation "Special Independence Programme to E. Africa" written by Mary Berry in 20 days for 3 IRC's. This was the tentative rpt I had in August IR-C. Thanks to assist from Greg Ravenhorst, I sent in a late rpt. Otherwise I would have no QSL. (Hancock-AL).

SICILY: RAI, 6060, f/d card w/"Caltanissetta" indicated in 3 months. No rp. VIC #150! (Zabransky-NJ). Congratulations, Jim. Nice work. ed.

SIERRA LEONE: SLBS, 3316, "Coat-of-Arms" card w/full data in 4 months, air, for 2 IRC's. V/s E. Pele Roberts. (Zabransky-NJ). Another nice one, Jim! ed.

SINGAPORE: R. Singapore, 11940, f/d card and one week's prgm sked in 6 weeks. No rp. (Overcamp-SC).

SOLOMON IS: SIIBS, 5020, card in 24 days for EE rpt, 1 IRC, postcard and used stamps. (Brown-BC); f/d map card w/initials in 15 days for 3 IRC's, local postcard and used stamps. (Ronda-OH).

SOMALI REP: R. Mogadishu, 9585, f/d card in 3 months for EE rpt and 2 IRC's. (Mulvey-NY); f/d card in 31 days for EE rpt, 1 IRC, used stamps and local postcard. (Ronda-OH); f/d card in 1½ months for EE rpt and 2 IRC's. (DeRoy-ME); card in 90 days for EE rpt and 1 IRC. (Smith-NY).

SOUTH AFRICA: R. RSA, 9585, f/d "Kafferboom" card, sked and station info for the SABC in 15 days. No rp. (Kay-NY); f/d "Flamingoes" card in 16 days for 1 IRC. (Macris-MO); f/d "Coral Tree" card in 14 days. No rp. (Forrest-NY); f/d "Kaffirboom" card in 25 days. No rp. (Poppin-CA).

SABC, 3250, f/d "Industrial Montage" card in 31 days. No rp. (Poppin-CA): 4875, f/d card and sked in 3 weeks. No rp. (Cain-LA).

SPAIN: RTVE, 11880, f/d card and sked in 56 days. No rp. (Alintuck-MA): 6065, card in 30 days for SS rpt. (Murphy-MI): 11920, colorful card of the Noblejas xmters w/o time and pennant in 6 months. (Calkin-PAKISTAN).

SWAZILAND: Swazi Music Radio, 4980, verie letter from Zena Watkins, National Sales Executive of Swazi Radio, in 2 months. (Calkin-ONT).

TWR, 9590, folder QSL in 2½ months. (Calkin-ONT).

SWEDEN: R. Sweden, 15305, f/d card in 34 days for 1 IRC. (Schneck-MA): 9695, f/d card and sked in 31 days. No rp. (Alintuck-MA): 11705, f/d map card and sked in 90 days. No rp. (Meehan-CT); f/d map card, sked and RS pamphlet in 100 days for 2 IRC's. (Glazzy-CA): 6120, f/d map card in 12 weeks. No rp. (Kapinos-MA).

SWITZERLAND: SBC, 9725, f/d "Palace of Nations" card in 35 days and a sked, rpt sheets and stickers which came 2 days later. (Alintuck-MA): 11715, f/d "Market Place in Basel" card in 86 days for stamps. (Granone-NM); f/d "Church" card in 59 days. No rp. (Poppin-CA): 9735, f/d card in 44 days. No rp. Sked and aerogramme rpt forms received 1 week earlier. (Moss-CA): 6135, f/d "William Tell" card in 27 days for rpt on FF xmsn. FF/EE skeds came later. (McIntosh-ONT); f/d "Old Town" card and sked in 56 days for postcard and 1 IRC. (Tomkewich-MAN)

TAHITI: R. Tahiti, 11825, f/d card with unclad Tahitian girl on it in 65 days for EE rpt and 2 IRC's. (Mulvey-NY): 15170, f/d "Unclad Maiden" card in 30 days for EE rpt, 1 IRC, used stamps and local postcard. (Ronda-OH).

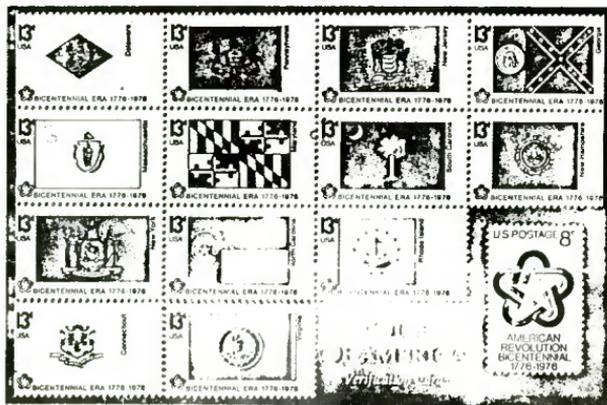
THAILAND: R. Thailand, 9655, f/d colorful postcard, travel folder of Chiang Mai, sked and personal letter from Danai Sriyabhai, Director, in 6 months, seemail. (Calkin-PAKISTAN).

TUNISIA: RTV Tunisienne, 15225, f/d "Pottery Works" card in 37 days for EE rpt and 1 IRC. (Mayer-IL): 7275, f/d scenic card in 1 month for FF rpt. No rp. (Cain-LA).

TURKEY: V. of Turkey, 9515, f/d card and sked in 3 months for 1 IRC. (Nicolosi-NJ); f/d card, sked and 3 pamphlets on Turkey in 17 days for 1 IRC. (Schneck-MA); f/d "Bosphorus Bridge" card and VOT sked mag in 28 days for 1 IRC. (Camillo-NY): 11880, f/d "Nasreddin Hodja" card in 34 days for 1 IRC. I requested a pennant but no luck. (Rojewski-WA); "Puppet" card in 20 days for 1 IRC. (Rockwood-OH).

TURKMEN SSR: R. Moscow via Ashkhabad, 15185, card w/site in 1 month for rpt on S. Asian Svc. (Behr-ONT); f/d "Kalinin Prospekt" card in 45 days. No rp. (Ronda-OH): 11930, f/d QSL and letter in 46 days for FF rpt on FF xmsn to N. Africa. No rp. (Gionet-NB).

from
SAM
BARTO



UGANDA: UBC, 9730, form letter and sked in 7 months for EE rpt and mint stamps. V/s C. Warugaba, Head of External Broadcasting. (Lazarus-LA).

UKRAINIAN SSR: R. Kiev, 7150, f/d card w/"Radio Kiev" in Cyrillic script in 30 days. No rp. (Haas-NJ).

R. Moscow xmtr sites reported by Behr-ONT, Gaffin-NY, Barto-CT, Gionet-NB, Smith-NY, Herkimer-NY and Vockeroth-PA for Lvov 7150/11750. Vinnitsa 7160/11730/11850. Kiev 11770/11780/15110. Ivano-Frankovsk 7110/9660/15190.

UNITED STATES: VOA, 15205, f/d "Kennedy Center" card for 4/7/76 reception. My Bicentennial QSL! (Zabransky-NJ).

UN Radio, 6055, card in 6 days. No rp. (Murphy-MI).

AFRTS, 11790, f/d Dept. of Defense card in 84 days. No rp. (Alintuck-MA).

WYFR, 6155, "Mike" card in 7 days. No rp. (Murphy-MI): 11805, same card in 12 days. No rp. Sked and letter came the same day in a separate envelope. (Ihnat-PA).

KGEE, 15280, card, pennant and literature in 3 weeks. (Calkin-ONT).

WINB, 15185, f/d card in 1 month. (Calkin-ONT).

UZBEK SSR: R. Tashkent, 15115, card and sked in 8 weeks. No rp. (Cosier-AUST).

VATICAN: Vatican Radio, 5995, f/d "Antenna" card in 19 days for EE rpt and 1 IRC. (Kay-NY): 9605, f/d "Antenna" card and sked in 26 days for EE rpt and 1 IRC. (Tomkewich-MAN): 11700, f/d card in 22 days for 2 IRC's. I received a book on VR earlier. (Moss-CA)

VENEZUELA: YVTO, 6110, f/d card in 20 days for EE rpt and 1 IRC. (Kay-NY). R. Universo, 4880, card w/o time in 32 days for SS rpt. No rp. (Herkimer-NY).

YEMEN (PDR): R. Aden, 7190, card w/o date in 34 days for EE rpt on AA xmsn. and 2 IRC's. (Gionet-NB).

YUGOSLAVIA: R. Beograd, 9620, folder card in 3 months for EE rpt and 2 IRC's. (Quinn-NY).

ZAIRE: La Voix du Zaire, 15245, letter w/only date and xmtr sites in 116 days by registered mail. No rp. V/s Edope Mondengele. (Schulman-NY).

ZAMBIA: R. Zambia, 9580, f/d white card for f/up rpt in a total of 5 months. V/s Peter Musuba. (Gower-IL).

Joe Dileo, 30 Woodglen Drive, Apt. 7-C-7, Waterbury, CT, has received a completely no-data QSL card from an unidentified station in Peru. Joe sent rpts to R. America, R. El Sol, R. Nacional and R. Union. He received a postcard with no station ID or other information which thanked him for his rpt and verified it as correct. V/s was "Edua Almacedoz". Any help on this from our South American experts?

AFTER POLISH RADIO COMES "SECOND BEST"

Bill

DX Hotline

October 1976 Frendx issue

Next deadlines: 10/12, 10/26

•**Editor:** John Moritz Jr., 4145 New Road Youngstown, OH 44515

Topline tip.

... This may be a bit early to tell, but I am going to run it anyway! In a letter to your editor, Bob Hill, in California, says that ARDXC says they're hearing Radio Australia programs on 5045, thus indicating that Cook is back on that freq, around 0730-0900. Bob cautions that he has not had the time to check it out personally yet. Sounds like a winner! What are you all waiting for?!!!! Go get em gang!

BAD NEWS DEPT - Nightmare time! The 31 ten-kilowatt xmtrs Harris Corp. had repeatedly termed as shortwave mode have, suddenly and rather inexplicably, in the most recent Harris communication been referred to as "AM stations". The grave implication is obvious. The long-feared and rumored conversion to AM is apparently not only well on the road... it may be nearly ready for operation. Harris, under the 1975 order, was scheduling turnkey completion of the contract roughly about now. Only SW xmtr now mentioned is one 50kw'er, probably for use in New Nusautara outlet at Banda Aceh. See past DXHs for the 30-odd sites this could ostensibly knock off the shortwaves. Our pie-in-the-sky has rather suddenly turned to cow chip. (Ralphus Ferry via GLDXA "Newsmemo")#Ouch! Say it ain't so. Ed.

NEW HEBRIDES - Radio Vila, 3945, 0940-0955 with Man in FF. Very poor. No ID heard, but everything else fits (Myron Smith, New York)#Nice OM!Ed.

ECUADOR -

3375, Radio Melodia the new one hrd here since 9/3, well logged on 9/11, lots of echo IDs, nondescript pgming which could probably fit any stn in Bogota, Quito or Lima or Asuncion, hi Bad nx... per FBLS, this one is owned by the same guy who refuses to part with QSLs in behalf of Radio Nac Espejo. Right, the loveable, irascible G. Berborich I (Perry, GLDXA) 3985, Escuelas Radiofonicas Populares. Via your editor's regular HCJB Andex mailing comes some nifty info on this one: Senor Washington Luna, the man in charge of technical operations here, reports that they are always happy to receive reports from outside of Ecuador. No need to send return postage, but make sure your letter is in SS. The address is Apartado 4755, Riobamba, Ecuador. This one was most recently noted by your intrepid scribe on 16 Sept with good sigs from 1038-1045 in indian language with musica folklorico.

4720, Radio Via heard 0247-0307 t/o with LA music and ID at 0304. Weak and QRM on 9/12 (John Tuchscherer, Wisconsin)#Congrats JT. A really fine catch. Ed.

4831, Radio Luz y Vida definately the one here with YL in ID at 0510. Smashing signal. My apologies if anyone was mislead in the last DXH issue. This is what I am hearing here now. (Perry via GLDXA)#Thanks for the explanation Ralph. Ed.

4860, Radio Mundial, Riobamba, Ecuador, is definitely active per Clayton Howard who recently visited there. He further advises me that HCJB is the only Ecuadorian station currently active on 49 meters (Tuchscherer) Your editor can further advise that back in March of this year HCJB ran a little feature on this station which informed that sked was 1200-1400, 1700-1900, and 2300-0400. Address is Casilla 1244, Riobamba. All correct reports are verified. English is acceptable, but they prefer SS. Try addressing your reports to Senor Galo Encalada, the manager.

BANGLADESH - English as follows: 0445-0515 on 21685, 17890 and 15400. 1115-1145 on 9580, 7150. 1230-1300 on 15270, 11890. 1815-1915 on 15180, and 11940 (BBCMS 9 Sept 76)

TUNISIA- Rdfiv TV Tunisienne, 15225, AA, ID by OM, anmts, into AA music. At 1900 on 8/22 (John Trautschold, Wisconsin, Editor of SPEEDX-GRAM)

THAILAND - RT noted here on 9/15 on 9655 from 1413-1427* with mostly music and BB tlk. End of program with anmt that it was in Burmese, and statement that they were broadcasting on 11905 and 9655. NA at close. (Richard Mitchell, California) #Nice catch Rich! Ed.

NIGERIA - Harris reports delivering a SW-50 antenna system to Lagos, and two 50kw SW xmtrs. (Perry via GLDXA)

Anybody hearing Andorra yet? You are not trying hard enough! Come on.Ed.

KENYA - VOK, 4915 tent. the one here at poor level just above the ute, at 0405 with M in lang with nx or just tlk. Not SS! Fading slowly with M still talking at 0415 (Bill Whitacre, Michigan)

KOREA, PDR - Radio Pyongyang noted in EE at 1000 on new freqs of 7205 and 9770. Reception is much better during SS program which ends before 1000. (Victor C. Jaar, Charlesbourg (Quebec) Canada)

UNIDENTIFIED - An unid noted on 6183 during the last week or so. Here on 9/9 at 0025-0136 at fair level with M & W in lang. Constant tlk and no mx. On 9/14 noted with European music and either RR or SS tlk! Any ideas? (Whitacre, MI)

INDONESIAN REPORT -

From time to time I would like to take a few lines and let everyone--both new and old dxer alike--know just what is being heard in a particular part of the world. With a little patience and luck YOU too can hear the following items. This time we are going to focus on Indonesia. This is going to be strictly informal gents. Hope you like it!

So far in this young Indo season the hottest item to be reported comes from Robert Leo of the 'Down Under' DX Survey. In the most recent survey by our down-under friends Bob notes that Radio Dili on 3550 has changed its name to RRI Kupang. Bob notes as well that "this would seem to confirm the theory that R. Dili and its variously identified predecessors were always located in Kupang. The most compelling evidence of all in support of this theory is 3550 has always been pro-Indo, even when Fretlin still controlled Dili down. The change to RRI Kupang probably took place at the time of Indonesia's absorption of East Timor as an additional province on 16 August. I first noted the change on 20 August." Think YOU cannot hear this? Well, think twice! This one has already been heard stateside by Gerry Dexter, Ralph Perry, your editor, Pitt McNeil, and a host of others. Give them a try!!

A little bit easier to hear, but certainly worth listening to, are the following indos heard by Bill Whitacre in Michigan: 4764, RRI Medan; 4845, RRI Ambon; 4855, RRI Palembang; and 4871, RRI Sorong. Add to this list 4985, RRI Ujung Pandang, most recently noted by your ed a few morns ago, and you have some nice targets.

A lot harder, and certainly a super catch if you can get them, are Gerry Dexter's fine logs so far this season of 4790 RRI Fak-Fak and 3118, RDK Serang!

There are plenty more, but I think we have given you a good random sampling of just what YOU TOO can log. You want your name in the DXH? Give the preceding a try!

KOREA, SOUTH - RK, 11860 noted here on 9/17 from 0423-0501 with special anmt that there would be a drastic change in the broadcast sked. The American svc announced as: 0300, 0600 and 1800 hrs on 11860, 9720, 9675, 9665, 9960, 9580, 9525 and 7150. Into KA at 0430 (George Poppin, Calif)

ANTIGUA/MONTSERAT??? - I know I said I was not going to do this anymore! But... James Conrad reports hearing a carrier on 6175 between 0400-0430, hitting Sackville. Not a smidgen of audio. Just rising and falling test tones. BBC QRMing another BBC xmtr?

John Wegener reports an OC on 6175 from 0508. Into test tones of various pitches. Faded in for a few seconds and then out. At 0512 a very low hiss was heard, followed by more tones and sudden off at 0527.

PAPUA NEW GUINEA - Radio East Sepik, 3335 from 1110-1120 with Man in Pid tlk, group chorals and a bag pipe version of "Amazing Grace." (James Ronda, OH)

ECUADOR - La Voz de los Caras (tent) on 4795 from 0502-0522* with LA mx, and OM in SS. Poor with no ID heard (Martin Foltz, Michigan)

PRRU - 5958m, La Voz del Altiplano, hrd on 9/14 and since. Usu s/on time is just after 1000, OC at 0958, into NA, then choral version of another song. IDs and anmts for 5960 freq. At gud level, blsted by VOA 5955 at 1058. (Ralphus Perry via GLDXA) #Super catch Ralph!

BOLIVIA - 4425, Radio Paititi, 9/9 from 0246-0332 with LA pops and hot rhythms, couple huainos. YL w/ID (Perry via GLDXA) Ralph also notes hearing Riberalta on 4702 from 0230-0330 and Abaroa on 4738 from 0351-0443*

A little cramped for space this time, but I do think we had a good mixture of fine items. Any comments/criticisms are always welcomed by me concerning this column. Just keep them within reason o.k.? hi Until next time... 73s and all that give de john-john

LATE NEWS: ANTIGUA IS ON THE AIR HRD w/ ID on 6195 1130-1330, 2000-2115, also on 6175 BBC WS, from your publisher. Also Montserrat listed in ITU D76 tentative freq ~~01-1330~~, for BBC. (hrd from 9/21)

Log

• Ed. Sec-A: Dan Roblison

BOX 404, LETTIS HALL
AMERICAN UNIVERSITY
WASHINGTON, D.C.
20016
Te: (202) 244-9341



Report

Section A

A happy start of the DX season for all of you, and may you all have more luck than I will be having on the lower bands. I just set up a half-decent antenna today, but I am also living directly under a tower for 50 KW WAMU-FM and get nothing but slop from 4750-4900! We have a lot of interesting items, so read on, but there is one more thing. I am still receiving loggings directly from some individuals - **PLEASE SEND ALL LOGGINGS TO GREG RAVENHORST**, unless you don't want your name in the credits, at the back of **PRENDX.....**

- 2400 (T) BRAZIL R. Educ. Sao Jose: 0250-0300* in PP w/futebol, annmct, NA and off at 0300 (Miller 9/2) 0222-0300* w/soccer match, PP ancr., on late for game I presume; did not here s/off 0300 due to phone call from Bob Hill, but after game they went into mx - good level and happy with this one! (Moritz 9/1) Tnx for the note, John.
- 2410 (T) PAPUA NEW GUINEA R. Eastern Highlands: 1118 lcl mx w/annmctns in between by M in native lang; no ID hrd and lots of QRN (Corson 9/5)
- 2450 (T) PAPUA NEW GUINEA R. Western Highlands: 1120 in lcl dialect - presumed the one here although no ID hrd (Corson 9/5)
- 2468 (T) PAPUA NEW GUINEA R. Northern District: 1115-1130 in lcl lang, program of lcl mx w/annmctns by W after each song (Corson 9/5)
- 2486a (T) DOM REP: Probably a Dominican stn here 2x1243khz (which was also hrd); a cuckoo type time signal w/SS mx 0128 w/good signal (Henderson 8/28)
- 2800a CHINA Fozhou: 1318 in CC w/cmtry and classical piano (Poppin 8/27)
- 2868 (T) INDONESIA RPKD Lamongan: 1311 in lang, poss cmtry (Poppin 8/27)
- 2918a (T) INDONESIA RPKD Tingkat 2 Klaten: 1430 in Indo, tlks by M, noisy xtr with much distortion (Cosier-Aust 9/3) 1304-1308 in lang, M & W harmonizing, "Hey Babe" was mentioned (Poppin 8/27)
- 2960 CHINA Huhehaote: 1323 w/CC mx only, //4885; is 2 x 1460 khz. (Junqua-Japan 7/21)
- 3120 E. TIMOR RRI Dili: 1420 in Indo w/much continuous mx and one ID caught, 1435 w/short annmctns - thanks to Yeo for tip (Cosier-Aust 8/28) This one is no longer here as of 9/4, see 3395.
- 3145 INDONESIA RPD Tingkat 2: 1359 in Indo w/ID by M, into poss Surabaya mx 1400, good level (Cosier-Aust 8/22)
- 3204 NIGERIA NBC Ibadan: 2240-2304* EE rel. tlk, rel. song, then lcl TC and two ID's in EE; EE mx and NA at close (Shingler 9/2, Moritz 8/29)
- 3205 BRAZIL R. Ribeirao Preto: 0223 w/Brazilian mx, slow tempo, M w/PP ID (Miller 9/3)
- 3210 MOZAMBIQUE R. Mozambique: 1718 in PP w/mx, 1729 ID, 1730 nx (Junqua-Japan 7/29) *0356 w/choral song, NA, then M in PP w/annmctns (Whitacre 8/16) *0359 (Conover) 0425 PP, M & W in tlk, mx and ads (Nikolich)
- 3215 VENEZUELA Ondas Panamericanas: 1014-1022 M in SS tlk, LA song (Moritz 8/14)
- 3220 NEW GUINEA R. Morobe: 1045-1056 strong and clear w/M in Pidgin tlk, island chorals and some C&W (Moritz 8/21) 1110-1111 Island mx, M in Pidgin (Shingler 8/21)
- 3222 TOGO Lama- Kara: FF annmctns 0630, fantastic LP reception! (Willis) 0617-0639 FF tlk and native singing; poss. some vern. also (Moritz 9/4)
- 3223 SWAZILAND Swazi Comm. Radio: 1705 in poss PP w/w ancr, pop mx, ads, no sign of India (Cosier-Aust 8/23) 0402 w/pops (Shingler 9/4)
- 3230 SOUTH AFRICA RSA: 0350-0427, mx, EE ID & Afrikaans tlk, mx (Hancock 8/16, Line-back 9/3, Nikolich)
- 3230 (T) PERU R. El Sol de Los Andes: 0124-0145 Peruvian ballads w/M ancr, hrd for about two weeks (Davenport)
- 3240 SWAZILAND TWR: 0345 t/in w/M in lang and native rel. mx and songs (Whitacre 8/29) 0357-0400 Chorus of "Swing Low..." EE ID by W (Shingler 8/30)
- 3240 UNID PERU: Latin stn here 0500-0600, guess may be R. America; no ID (Willis-Aust)
- 3245 VENEZUELA R. Libertador: 0136-0141 tlk by M & W in SS (Ware 8/25) 0305-0423 mx, ID's, tlk in SS by M (McClure 8/27, Nikolich) 0952-1025 w/NA 0952 and ID, tlk and lcl mx (Zilmer 9/3, Cain)
- 3250 SOUTH AFRICA RSA: 0300-0500 usual px, EE/Afrikaans, ID's, pop mx (Many reporters)

- 3260 NIGER ORTN: *0530 w/slow chants by M, // 5020 (Shingler 9/4)
- 3260 ECUADOR LV del Rio Carrizal: 0040-0042* SS, final ID, NA & S/off (Mayer 9/2)
- 3260 PAPUA NEW GUINEA R. Madang: 1120 native group songs, lcl mx, Pidgin (Miller 9/4)
- 3255 (T) BRAZIL: 0100-0115 poss. Brazilian here in PP w/EL mx (Davenport) Out of order..
- 3268 INDIA AIR-Kohima: 1521 lang w/tlk, lcl mx (Junqua-JAPAN 7/22)
- 3270 UNID: E. African stn 1650 in lang, light mx, some Afro. stuff, W w/annmnts to 1702* w/chorus; always here though low mod (Cosier-AUST 8/25)
- 3275 VENEZUELA R. Mara: 1015 in SS, tlk and LA mx, ID 1015 (Zilmer 9/3) 0215 (Cain)
- 3275 SWAZILAND TWR: 0410-0415 orch mx, not //3240 (Shingler 9/7)
- 3276a MOZAMBIQUE R. Mozambique: 1654 in listed Nyanja w/EL mx, anmts, ID & NA 1658, 7 time pips 1700 and off (Junqua-JAPAN 8/2) This is Beira, ed.
- 3280 ECUADOR LV del Napo: 1007-1030 in Quecha w/choir mx, tlk, lcl mx (Zilmer, Cain)
- 3285 SOUTH AFRICA SABC: 2103 in EE, rx, lcl wx, 2110 ID (Junqua-JAPAN) 0410-0430 w/ID, discussions (Schwartz 8/30)
- 3286 BRAZIL R. Olinda: 0027-0101 w/futebol match, M in PP doing game (Moritz 9/1)
- 3290 GUYANA GBS: 0816 EE, M and CW mx (Hammer 8/14)
- 3295 VENEZUELA R. Trujillo: 1000 in SS tlk, LA mx (Zilmer 9/3)
- 3300 BELIZE RB: 0400-0510* EE rel. px, ID every half hour (Snyder 8/26, Schelke 8/8)
- 3300 GUATEMALA R. Cultural: 0225-0430* w/rel. px, class. mx, ID's (Many reporters)
- 3306 RHODESIA RBC: 0356-0425 // 3396 for news, pop mx, tlk in lang, 0400 doorbell, M in EE w/TC, ID and nx (Whitacre 8/16, Shingler 8/25, Nikolich)
- 3315 MARTINIQUE FR-3: 0000-0300* FF w/Caribbean mx, FF lang pops, clipso mx, tlk, NA 0300 and s/off (12 reporters!) Excellent reception of this one lately, ed.
- 3316 SIERRA LEONE SLBS: 2316-2333* M in EE, rock/pops, short rel. interlude, ID, freqs, NA at close (Moritz 8/18) 0645-0715 EE and vern. w/commercials, mx, tlk, BBC nx 0700 (Hall 8/23)
- 3325 GUATEMALA R. Maya: 1030 organ mx w/W singing in some rel. style (Zilmer 9/3) 0323 SS, Argentine mx, TC & ID (Jones 8/12)
- 3325 ECUADOR Ordas Quevedenas: SS mx and anmts 0500 (Willis-AUST)
- 3335 PAPUA NEW GUINEA R. East Sepik: 1101 children singing in Pidgin, M in Pidgin tlk, 1157 island mx, 1159 W in EE (Miller 8/21, Moritz 8/21, Shingler 9/9)
- 3338 MOZAMBIQUE R. Mozambique: 0400* w/M in PP tlk, //3210 (Shingler, Whitacre 8/16)
- 3345 PHILIPPINES FEBC: 1220 in EE px //6030, quite good - this is a HS px, FEBC Valenzuela, blocked for ages but not now! (Cosier-AUST 8/23)
- 3346 ZAMBIA ZBS: 0420-0430 EE, Afro mx, ID 0430 (Mayer 8/16)
- 3350 GHANA GBC: 0600 EE mx, M giving the nx (Cain, Ware 8/18)
- 3356 BOTSWANA RB: 0550 in EE and lang tlk (Ware 8/18) WRH lists 0530*, ed.
- 3360 GUATEMALA LV de Nahaula: 1110, VG w/lively LA mx, M w/ID in SS (Nikolich) 0316-0432* SS, mx and ID's, (Osterman 8/18, McClure 8/27, Cain)
- 3365 (T) BRAZIL R. Cult de Araraquara: 2350-0030 lively inst mx and PP vocals, was almost sure of ID for Araraquara 2359 (Moritz 8/18)
- 3375 ANGOLA R. Nacional: 2309-2350 mx, 2313 M in PP tlk, EL instrumentals, ID by M over inst. version of "Somewhere My Love" (Moritz 8/18, Shingler 9/6)
- 3380 MALAWI MBC: 0410-0420 in Chichewa lcl mx, OM in tlk, (Mayer 8/16)
- 3380 ECUADOR R. Iris: 0047-0104 W in SS tlk w/ment. of Quito (Moritz 8/18)
- 3385 VENEZUELA R. Barcelona: 1002 SS, NA/ID, into LA mx (Cain) 0330 SS, ID (Osterman 8/25)
- 3385 NEW BRITAIN RENB: 1106-1109 Rabaul w/super sigs, M in Pidgin tlk reading listener's names and mx requests (Moritz 8/21)
- 3385 FR. GUIANA FR-3: 0915-0931 FF pop mx, W cnr., poss nx 0930 (Cain) 0040 inst mx and FF tlk (Nikolich)
- 3393 INDONESIA RRI Singaraja: 1220 Indo tlks by M w/ID, UTE QRM, (Cosier-AUST 9/3)
- 3390 AFGHANISTAN RA: 1505-1547 vern tlk w/subcontinental mx, ID's, 1600 nx // 4775v., chanting (Cosier-AUST 8/20, Junqua-JAPAN 7/21) Sorry again for the out of order, ed.
- 3395nTE. TIMOR RRI Dili: As of 9/4 hrd at exc. level w/ID's 1450, relay Jakarta nx 1500; this is ex: 3120 and looks to be permanent (Cosier-AUST)
- 3395 VENEZUELA R. Universidad: 1001-1030 SS, NA, W anc'r gave ID, LA mx (Zilmer 9/2, Cair 0045-0114 in SS, several ID's, SS tlk by M (Moritz 8/18, Bishop 8/19)
- 3396 RHODESIA RBC: 0400-0521 EE, mx, mx usual px w/ads (Mayer 8/16, Bishop 8/22, Lineback 9/3, Osterman 8/18)
- 3425 NEPAL RN: 1150-1152 soft mx, 1152 W in lang tlk, 1155 recheck Asian vocal mx (Shingler 9/9) 1341 Nepali w/M in tlk, mx (Bryan 8/17)
- 3424 BOLIVIA R. Padilla: Pos. ID for this one w/M in SS and Indian type tlk 0113 with a readable listenable signal (Henderson 8/28)
- 3500 CHINA RP: 1245-1258 in CC, drama w/Dragon sounds, mx (Beal 8/20)
- 3535 CHINA PLA: 1155 M and W in CC (Shingler 9/9)
- 3549 W. TIMOR RRI Kupang: *1300-1520* Indo 1425, slow Indo nx then OM w/ID - this at last proves the theory that this is the old RRI Kupang alias (Cosier-AUST 8/25)
- 3560 N. KOREA R. Pyongyang: 1305-1315 in EE, W w/cmty (Beal 8/20)
- 3885 CAPE VERDE IS RCCV?: 0030 M in PP, then pop/inst. mx, UTE QRM (Whitacre 8/24) Has. the name of this stn ever been cleared up?
- 3905a ADMIRALTY IS R. Manus: 1057-1152 Pidgin tlk, C&W, island mx (Moritz 8/21, Mayer)

- 3925 JAPAN NSB: 0940-0955 in EE, two Women giggling in interview abt Japan(Beal 8/26)
- 3955 SOUTH AFRICA SABC: 0430 Afrikaans tlk by M (Nikolich) 1614 Afrikaans (Junqua)
- 3967 PAKISTAN RP: 1620 Urdu, W w/subcont. mx, 1630 M w/nx (Junqua-JAPAN 7/28)
- 3970 INDONESIA UNID: 1502 Indo, Jakarta nx 1502, never hrd one here before (Cosier-AUST)
- 3985 IRIAN JAYA RRI-Biak: 1259 "Love Ambon" Indo ID and nx, mx 1305 (Junqua-JAPAN 7/23)
- 3985 SOCIALIST REP. OF VIETNAM Hanoi: 1530 (T) in VV w/cmtly by M, don't know if Hanoi, Viet Bac, or what? (Cosier-AUST 8/26)
- 3995 SUMATRA RRI-Tanjung Karang: 1240 in Indo, light Indo vocals, mx w/M, ID 1245 - severe Moscow QRM and Kendari is on 4000 (Cosier-AUST)
- 3995 ASIATIC SSR RM HS: 0900-1500 RR nx after IS - Siberia or Far East (Cosier-AUST)
- 4068 CHINA Huehaote: 1242 in unid. lang, M in poss CC tlk, song w/W vocalist (Beal 8/14)
- 4310 USSR Chimkent (T): 1330-1400+ Soviet chimes, organ (Poppin 8/20)
- 4330 CHINA PLA: 1145-1155 in CC, W s/tlk // 3200, 3400 (Mayer)
- 4380 CHINA Fukien(PLA): 1005 CC, tlk by M and W, CC mx, also // 4330 (Osterman 8/26)
- 4425 BOLIVIA R. Paititi: 0058 here with lcl mx by W and group in what sounded like SS; ID for Paititi at 0100 - not bad lvl but military stn on 4426 hurt (Henderson) LA mx and singing (Miller 8/22)
- 4460 CHINA RP: 1402-1413 in Unid lang, orch mx, cmtly, CC flute/string mx (Poppin 8/20)
- 4465 BOLIVIA R. Movina: (T) 0715 assumed to be Movina w/M voice, vy weak (Shaw 8/29)
- 4475 UNID: Latin stn here w/Latin mx by orchestra and very poor (Henderson 8/28)
- 4485 USSR UFA-Petrovavlovsk: 1336 in RR, Moscow chimes, piano mx, 1400 nx (Poppin 8/20) 0948-1009 drama, operatic type singing, time pips at top of hour followed by M in RR tlk (Moritz 8/14)
- 4602a (T) BOLIVIA R. Mamore: 0133 herr w/M ancrr under SSB xmsn; LA and Andean type mx or "Folklorico" (Henderson 8/28)
- 4615 USSR Pavlodar: 1240-1250 in lang, classical mx, M vocalist (Beal 8/26)
- 4620 AUSTRALIA UNID/HARMONIC: RA noted here 1422 w/"Waltzing Matilda" at 1428s/on in CC (Poppin 8/20)
- 4680 ECUADOR R. Nac. Espejo: 0330, SS tlks, M and W, ads (Osterman 9/4)
- 4702 BOLIVIA R. Riberalta: here w/ID by M 0135 in SS (Henderson 8/28)
- 4719 SULAWESI RRI-Ujung Pandang: 1255-1305 in Indo, orch mx including "Here Comes the Bride" and ID 1258 and into tlk (Beal 8/14) 1338 piano mx, M in tlk (Bryan)
- 4720 BOLIVIA R. Riberalta: 0635 both M and W in tlk/table discussion - first thought hrd mention Ecuador (Shaw) This should be a (T), ed.
- 4750 ZAIRE R. Lubumbashi: 0510-0514 FF tlk, 0513 singing, ID 0514 (Snyder 8/22)
- 4750 CHINA Kunming: 1144 W in CC tlk, // 4865 (Shingler 9/6)
- 4763 UNID: 0720 w/vy weak modulation- only ones in neighborhood include R. Tropicco, Bol., and R. Tingo Maria, Peru (Shaw 8/29)
- 4765 ECUADOR C.R.E.: 0234 SS, Ecuadorian mx (Jones 9/1) 0345-0359* SS, mx and ads, ID as R. Cadena Nacional (Hall 9/2)
- 4765 CONGO RIV : 0414-0515 either Kikongo or Lingala, lcl tlk px & tribal mx, chanting, (Schneck 9/1, Conover 8/5)
- 4770 LIBERIA ELWA: 2207 EE, ID, VOA nx, Afro mx, into rel. px 2220 (Conover 8/30) *0636 IS, into rel. px and mx, BBC nx 0700-0709 (Osterman, Ware, Bishop)
- 4770 VENEZUELA R. Bolivar: 0053-0124, LA mx, ads and tlk (Hall 9/3)
- 4777 GABON RTVG: 2215-2358 in FF w/tlk, native mx, ID 2215 (Schwartz, Nicholson, Conover, Butterfield) 0430-0440 FF, IS to 0435 then NA and *0437 w/ID (Lineback)
- 4780 AFARS & ISSAS Djibouti: 1650 lang w/Afro-AA mx, 1700 ID & nx (Junqua-JAPAN 7/29)
- 4781 DOM REP R. Norte: LA mx 0205, clear ID by M in SS (Miller 9/6)
- 4783 MALI R. Mali: 0605-0657 native mx, drums and stringed instruments, TC, mx theme at 0615 and ID as Radio Mali; ID and nx 0700; // 4881 was absent(Ware, Bishop, Bryan, McLaughlin)
- 4785 CHINA Kunming: 1140 W in CC tlk (Shingler 9/9)
- 4785 IRIAN JAYA RRI-Fak Fak: 1140 w/mx (Shingler 7/6) Need some more details, Dan.
- 4785 PAKISTAN RP: 1704 EE, W w/This is RP giving you the nx" (Junqua 8/26)
- 4785 BRAZIL R. Ribamar: 0242 PP, ID, ads, and mx (Jones 9/1)
- 4785 COLOMBIA Ecos del Combeima: 0315-0330 SS, LA "Mood" mx, ID 0328 (Beal 9/2) Are they or were they back here when you hrd them. For sure??? See 4875.
- 4790 PERU R. Atlantida: 0240-0435 LA mx, numerous ID's, Andean mx and M ancrr, ID 0429 (McClure 8/24, Hancock 8/22, Cohen 9/4, Earhart)How is the Yaesu, John?
- 4795 ECUADOR LV de las Caras: 0338 in SS, LA pop mx (Jones 8/12)0435-0504* (Gaffin)
- 4800 VENEZUELA R. Lara:0110-0120 SS, mx px, ID 0120 by W (Mahaffey) 0356 SS, ID and NA to 0358* (McClure 8/22)
- 4800 UNID: After Lara s/off another Latin hrd faintly with LA mx (Ware) Probably Popular Independiente-4799.5, ed.
- 4804 KENYA VOK: 1736 EE w/Afro mx, 1759 ID for "Voice of Kenya" and time pips at 1800 followed by nx; very good lvl and doubt this is only 1 or 5KW (Junqua-JAPAN)
- 4806 SAO TOME R. Nac: 2139 mixture of PP and Afro mx (Miller 8/21) 2258 hrd W in PP w/sign off anmts, 3 minute long NA and c/off 2301:45 (Whitacre 8/19)
- 4810 GALAPAGOS IS LV de Galapagos: *1212 LA mx and anmts, 1215 gull cries and ID; also 0000-0403v* excellent reception lately, TC's, beautiful Ecuadorian mx, tlk by M & W, rel px and guitar mx (12 reporters report incredible reception of this fine stn)

- 4815 UPPER VOLTA Ouagadougou: 0555-0600 ID, cmty, balafon IS (Schwartz 8/30)
- 4816a BOLIVIA R. Nac. de La Paz: 0124 here with M ancr in SS and Indian type song, maybe an ad w/w singing, then more vocals and very nice lvl (Henderson 8/28)
- 4806 BRAZIL UNID: 0157-0206 soccer match, bad HET - which one? (Moritz 9/1) Beats me John, I've all but given up on these Brazilians piled on top of one another, ed.
- 4820 HONDURAS HRVC: 0330-0457* w/rel. px, ID 0331, sermon, mx (7 reporters)
- 4832 COSTA RICA R. Relejo/R. Capital: Still getting different ID's for this one; 0330-0526 w/both ID's mentioned, LA pops, SS anmts; 1058 ID as "R. Relejo de Costa Rica, Numero Uno en Costa Rica" (8 reporters)
- 4839 BRAZIL R. Dif Roraima: 0040-0050 PP, ID and mx, ads and jingles (Mayer 8/21, Miller)
- 4840 CHINA PLA: Fuzhou 1057-1104 W in CC tlk, weak (Moritz 8/29)
- 4840 VENEZUELA R. Valera: 0310 SS, mx and the usual Latin fare, many ID's (Ware 8/18)
- 4845 MALAYSIA Kuala Lumpur: 1113-1134 (T) weird singing of Asian/oriental variety; M in lang tlk between songs; is not the Indo although I wish it were (Moritz 9/6)
- 4845 MAURITANIA Rdif. Nationale Mauritanie: 2210-0003* AA tlk 2229-2305, AA chanting, inst. mx; 0610-0717 FF and AA, string mx (12 reporters)
- 4845 BOTSWANA RB: 0421-0430 in lang, rel. px, hymns, organ mx and songs, hrd "Setswana" mentioned (Conover 8/5) 0640-0721 in lang, Afro.mx (Davenport 8/12) That's pretty late for Botswana, ed.
- 4850 VENEZUELA R. Capital: 1000 SS, W ancr, ID (Mahaffey 8/19)
- 4855 SUMATRA RRI-Palembang: 1130-1140 in Indo w/light mx, M in Indo between songs (Mayer 8/24, Shingler 8/29)
- 4855 BRAZIL R. Cl do Para: 0154-0156 soccer match // to other Brazilians (Moritz 9/1) 2301 opera mx, M in between songs in PP // 6015 (Miller)
- 4860 VENEZUELA R. Maracaibo: 0925-1005 LA mx, TC's, ID (Mahaffey 8/18, McLaughlin)
- 4860 PERU R. Chinchaycocha: 0605-0645 SS, Peruvian "musica folklorico", ID's (Cain, Hancock 8/30, Mahaffey 8/22) 0917 ID, mx, more Andean mx (Jones 8/22)
- 4865 BRAZIL R. Soc Feira de Santana: 1000-1030 PP pops, tlk by DJ w/mentions of Brasil and one of Brasilia; W w/ads, nice format and smooth songs (Moritz 8/29, Miller)
- 4870 REP. BENIN LVR: *0513 IS of drums, NA, s/on anmts, military rally type yelling and Afro. singing; 0600 w/ID's, pol. tlks, revolutionary mx and slogans (Ware 8/16, Butterfield 8/26, Brookwell 8/19, Schwartz 8/30, Snyder 8/13) 2130 through to s/off 2300 w/FF tlk, pol. tlk and Afro mx - GOOD SIGNALS (7 reporters)
- 4875 BRAZIL R. Jornal do Brasil: 0210-0240 PP, M ancr, telephone interview, mx (McClure)
- 4875 ECUADOR LV.de Esmeraldas: 0725 SS, beautiful Ecuadorian mx, fast ID by M 0733 when on late Saturday night (Coster-AUST 8/15)
- 4875 BOLIVIA La Cruz del Sur: 0130-0205* EE, "Back to God Hour" to 0200, into SS tlk by M, SS ID and EE ID w/ment. of QSL's for correct rpts (Overcamp 7/26) 0229 SS & EE LA mx, tlk by M ancr w/ID giving address for letters and tlk abt QSL's (Bryan 8/11)
- 4875n COLOMBIA Ecos del Combeima: 0116-0807 seems to be running continuously, LA mx, TC's w/ID's and chimes, super network plugs, promos; auto horns between SS anmts by M, ID-"La internacional, Ecos del Combeima" (10 reporters)
- 4875 SOUTH AFRICA SABC: 0300-0402 EE, ID's and nx, "Good Morning Africa" px (Poppin, Thompson 8/20, Davenport 8/8, McClure 8/19) This should be R. RSA, and not just SABC which could mean Springbok R.- my mistake, ed.
- 4885 COLOMBIA Ondas del Meta: 0210-0225 SS, futbol w/long "ooooooooooooo-!" when they scored (Gaffin 9/3) 0508-0515* SS, excited M, ID, LA mx before late s/off (?)
- 4890 SENEGAL Dakar: 0605-0637 FF/vern, AA chanting, anmts in FF, harp mx, vern. songs 0630 and tlk 0637 (Ware 8/14, Bryan 8/17)
- 4890a ECUADOR R. Centinela del Sur: 0405-0408* SS, M w/s-off anmts (Wiseblood 8/12) 0410-0440* SS, mx and tlk, ID and s/off (Cain)
- 4890 VENEZUELA R. Dif Venezolana: 0230-0300 SS, ID's, tlk, guitar mx and LA mx (Thompson 9/4) 0310-0347 Pop mx and ads (Hall 9/2)
- 4890 PAPUA NEW GUINEA NBC Port Moresby: 1103-1200 EE, pop mx, ID's; 1105 nx (Conover, McClure 8/24, Osterman 8/18) 1240-1300 EE, orch. mx, vocals & ID's (Thompson)
- 4895 SARAWAK R. Malaysia: 1345-1405 in poss Malay w/Mid-Eastern type chants 1345-1400, ID as "Inilah R. Malaysia, Kuching" and into nx (Wiseblood 8/22)
- 4896 MOZAMBIQUE RM: 0504-0600 anmt, drums, nx ment Moshe Dayan, 0513 mx and ID at 0515 (Snyder 8/29) Why 4905 David?? ed.
- 4900 SULAWESI RRI- Gorontalo: 1204-1225 Indo, M w/poss mx until 1214, then into orch. mx until 1223 when faded to almost unreadable lvl (Corson 9/5)
- 4900 VENEZUELA R. Juventud: 2320-0400 SS, pop mx both US and LA, anmts, ads for margarine, ID's, G (Cain, Conover, Osterman, Butterfield, Rude, Thompson)

Well, you might say we had an almost perfect fit this month - keep the loggings flowing. Reception conditions in the past few weeks have provided some beautiful opportunities for those out-of-band Bolivians, not to mention some powerful signals from La Voz de Galapagos. If I may be permitted a little favoritism, this station has got to be one of the most enjoyable to listen to in terms of program format and music: La Voz de Galapagos is truly one of those exotic ones that makes DX/SWL a joy. Until next time-----73 and GOOD DX.

David

Log

SEC. B

Report

SAM BARTO



- 4904.5 CHAD RNT; *0420 1kHz tone, IS in percussion inst from 0423, NA 0429, into FF ID as per WRTH, then Af mx. 2200*; 0500-0800 exc. (10 reporters).
- 4905 ETHIOPIA ETLF; *0257 FF & Amharic(?), 0259 "V" on drums was repeated, EE ID at 0300 then into Amharic, fair(Jones 8/24). 0300 to 0325 with Af mx, Amheric tlks.(Snyder 8/22).
- 4908v KHMER REP R. Phnom-Penh; 1325 in Camb., local mx, weak sig, yl tlk. (Bryanica 8/9). 1110 continuous sing song mx by M and yl, weak. (Miller 9/6). Listed as t by Miller. Check above report and this one. 1110-1130 singing by a M, flutes, typical yl wailing. (Shingler 9/6).
- 4910 ECUADOR Em. Gran Colombia; 0510-0530 in SS with ID's, many mentions of Ecuador between each selection. (Cain).
- 4910 UNID. EE lessons at 1341 in an Oriental lang. Many mentions of Mao and the Revolution. (Rude 8/21).
- 4915 GHANA GBC 1; Accra, vern. at 2200, EE nx 2245; 0600+ //4980 in EE.(Butterfield 9/3, Snyder 8/13 and 5 others).
- 4920 AUSTRALIA VLM4; Brisbane, 0820-1100 in EE with plays, nx, pop mx, at times relays 4QR on MW. (Stauner 9/4, Osterman 7/22).
- 4920v ECUADOR R. Quito; 0258-0508* in SS with LA mx, * with Indian Love Call (if so, that a new one on me)(McClure, Hancock, Miller) 0340-0350 classical mx (Wiseblood). Rude and Cain report the same basic info as above except the station was on 4923.
- 4923.3 MOZAMBIQUE R. Mozambique; site? Af mx 1559, PP ID 1600 then more mx. (Junqua 8/26)
- 4925 MANCHURIA Harbin; 1124-1130 yl chants and mx. (Shingler 9/6)
- 4926 EQ. GUINEA R. Ecuatorial; 0508-0520 in SS with Af mx, weak but audible(Cain). 1738-1806 SS tlk by yl. QRM from a Russian on 4920. (Junqua 8/21).
- 4930 DOM. REP. R. Mil; 0553-0558* SS, LA mx, NA* (McClure 8/8).
- 4940 IVORY COAST RTVI; 2050-2350 in FF with local and EE mx; *0600 NA and into Af mx. (7 reporters).
- 4940 VENEZUELA YVPA R. Yaracuy; 0330-0355 in SS, LA mx(Cain, Beal).
- 4945 COLOMBIA R. Colosal; 0324 wild SS dj, LA mx. (McClure 8/19).
- 4950 SARAWAK R. Malaysia Sarawak; 1140-1155 in EE, poor lvl(Mayck).
- 4954 SUMATRA RRI, Banda Aceh; 1130-1140 chants by M in II(Shinger).
- 4960 ECUADOR R. Federacion; 0125-0230 in SS w/ MoR vocals, ID's mentioning 60M & MW fqy's, TC's, studio echo and slightly over-modulated (Wegener 8/25).
- 4960 VENEZUELA R. Sucre; 0602-0630 in SS, ID's, marimba mx(McClure).
- 4965 COLOMBIA R. Santa Fe; 0530-0645 in SS, clear ID's and easy listening LA music(Cohen 9/3, Conover 8/5).
- 4970 VENEZUELA R. Rumbos; 0130-0402 in SS, many ads, LA mx, some US pops, and an ad for Tide!(Cain, Thompson, Trautschild).
- 4972 FRENCH GUIANA FR3; Cayenne, 0906-0925 f/o, in FF with group vocals, annts. Believe this will be their first report from Eastern Australia. My HIC # 203. Not heard Since. (Cosier 8/14).
- 4972.5 CAMEROON R. Yaounde; EE/FF*0430 local and EE mx, 0500 IS, 0530 ID "We now bring you our pgm in EE" rel pgm then into FF at 0600 (Butterfield 9/5). 0455-0551 in EE/FF (Cain, Moritz, Ravenhorst)
- 4975 PERU R. del Pacifico; 0230-0415 in SS with classical mx, ID's, no EE found during this time slot(Davenport 8/13, Wiseblood 8/12).
- 4980 GHANA GBC 2; 2230-2305* EE, rel pgm (Conover 8/30). 2307* (Snyder).2315* (Snyder 8/11).(Osterman 8/18).
- 4980 SWAZILAND SMR; 2219 lang and mx. (Conover 8/24). 0440-0500 in EE, ID's, ads with mx. (Nikolich).
- 4980 VENEZUELA YVOC Ecos del Torbes; 0030-0145 LA mx, ID's, fast SS

- tlk by M, many ads. (Davenport, Trautschold, Thompson). 1050+ in SS with LA mx. (Conover 8/3).
- 4985 BRASIL R. Brasil Central; 0401-0900 in PP, ads, LA mx. (Conover, Junqua). 1150-1200 yl in PP, soft mx. (Shingler 8/29).
- 4990 NIGERIA NBC; Sogunle not Lagos, 2216-2355 in EE with Af mx. (Conover 8/30, Shingler 8/16). Wish they would change QSL cards.
- 4995v PERU R. Andina; 0252-0655 in SS with long Andean pieces, tlk, ID's. (Cain, McClure, Shaw). Shaw reports 4995.6kHz.
- 4995t VIETNAM VOV; 1134-1140 in lang, tlk by M. (Shingler 9/6).
- 5000 HAWAII WVVH; EE TC 0731, exc. lvl. (Stauner 9/4). (Junqua).
- 5010 CAMEROON R. Garoua 2116+ with Af chants, drumming and reed mx.
- 5010 COLOMBIA R. Surcolombiana; 0232-0243 in SS with LA mx, clear ID at 0234. Poor lvl. (McLaughlin). (ler 9/9)
- 5010 SINGAPORE R. Singapore 1130+ with MoR mx, //5052, lang? (Shing-)
- 5015 ASIATIC RUSSIA Vladivostok; 1107+ poor lvl in RR (Nikolich).
- 5020 COLOMBIA Ecos del Atrato; 1030-1100 in SS with flowing LA mx. (Zilmer 8/310 0147-0155 with LA vocals and rapid fire SS by M. (Moritz 8/18).
- 5020 NIGER ORTN; 0545-0607 with monotonous droning chants, flute & string mx. (Schwartz, Shaw, Ware). Don't knock the mx. It makes sense to them - well maybe. Been trying for 10 years - no QSL.
- 5020 SOLOMON ISLANDS SIBS; 1035-1110 in EE with rock and pop mx, poor lvl. (Nikolich, Moritz).
- 5025 ECUADOR R. Splendit; 0443-0500* in SS with LA mx, commercials. 1021-1043 with Andean mx, listeners names, several ID's and mentions of frequency. (Jones 8/23, Moritz 8/14).
- 5030 VENEZUELA R. Reloj Continente; 0100-0455 in SS with ID's, TC's, chimes, good LA mx. (Davenport, McLaughlin, Rude, Mahaffey).
- 5033t ANGOLA R. Clube de Cabinda; 2257-2259* with Af type mx and +tk by a M in PP, NA at *, poor lvl. (Miller 8/29). Nice catch, let us know if you get any response from this station.
- 5035 KAZAKH SSR Alma Ata; 1152+ in Asian lang, local mx. This is a relay of R. Tashkent...freq? (Shingler 9/6).
- 5035 UNID; 1446-1500* in EE with anthem, fair lvl but couldn't make out ID. Who? (Rude 8/21). Can't help you with this one.
- 5038v BURMA BBS; 1142-1415 in Burmese, local mx and yl ancr, poor lvl. (Bryanica, Nikolich). Moritz and Miller also report a yl ancr during same time slot. The 4 reporters gave freq. from 38-41kHz.
- 5038 CENTRAL AFRICAN REP. RNC; Bangui, 2225-2303* with report of attempted coup in Khartoum, severe het, very clear FF ID....no name but good report. 2200-2300* in FF with rock, pop, classical mx. (Snyder 9/1, Conover 8/24, Mayer).
- 5039 UNID, Sudan? 0400-0516 in AA with chanting and tlk by M. (Snyder 8/22). It's Sudan Dave. Good ham conditions to ST land 8/22.
- 5040 COLOMBIA R. Cinco; 0615-0802 in SS with LA pop mx, TC's and ancmts. ID's as "Radio Cinco, la voz de Colombia en Villavicencio." (Cosier 8/29, Jones 9/8, Bishop).
- 5040 VENEZUELA R. Maturin; 0330+ in SS with numerous ID's, ads, LA mx (McClure 8/19). Haven't heard this one yet.
- 5046 JAVA RRI Yogyakarta; 1508-1512 in II with a M (Wiseblood 9/8).
- 5047 TOGO R. Togo; 2225-2300 reported in FF and lang, local and orch. mx. *0530-0630 in FF and EE with chants and Af mx. Had 11 reporters on this one. Per latest QSL, station name is Radio-diffusion du Togo - not R. Lome or R. Togo.
- 5052 SINGAPORE R. Singapore; 1320-1508 in EE with big band jazz and semi-classical mx, cultural pgm featuring mx from many Asian nations. (Wiseblood 9/8, Beal 8/14).
- 5053 MONGOLIA R. Ulan Bator; 1223+ in MM with yl and M. Singapore gave het from 5052. (Bryanica 8/27).
- 5057 ALBANIA RTA; Gjirokaster, 0400-0448 in Albanian with yl ancr, wake up and exercise pgm. Strong lvl. (Moritz 8/9, Mayer 8/17).
- 5060 ECUADOR HCEH3 R. Nac. Progreso; 0236-0555 in SS with ballads, ID's, beautiful local mx. Usually clear sigs. (Bishop, Wiseblood, Trautschold). 1034-1115 with musica folklorica and other local programming. (Moritz 8/22, Zilmer 9/5, Miller 8/28).
- 5075 CHINA R. Peking; 1335+ in CC with mixed chorus and patriotic sing songs. Good lvl. (Beal 8/14).
- 5075 COLOMBIA R. Sutatenza; 0230+ with ID's by OM, SS mx, tlks. Very strong lvl. (Trautschold 9/8).
- 5260 KAZAKH SSR. Alma Ata; 1451-1507 in RR with Strauss waltzes & hot saxophone mx!!! //5290 Krasnoyarsk. (Poppin 8/20).

- 5810a ESPANUAGUOS, Mechanical W w/ usual 4 digit SS cipher groups on AM at 0135+ (Hauser 8/20). Sure hate to meet a Mechanical W!
- 5920 CANADA RCI; 1000-1057 in EE with their SSB Pacific & USA svc. News and magazine program heard. (Davenport 8/5).
- 5930 CZECHOSLOVAKIA R. Praha; poor lvl at 0140+ in EE. Carried a musical pgm. (Beal 8/28).
- 5935 TIBET Lhasa; 1025-1035 in CC(?) w/ W and M ancr. (Beal 8/14).
- 5950 MANCHURIA Haerbin; 1010-1025 in CC with non-stop chatter(Beal).
- 5955 COSTA RICA TIQ R. Casino; 0330-0600 in EE w/ pop mx and rock. Kavalá QRM at 0545. Many ID's and ads. (6 reporters). 0830+ on 8/24 gave ID as "Monumental". Is Casino relaying R. Monumental? (Jones). 0710+ TC's for GMT-6, some disco tunes, EE and SS pops. (Cosier 8/23). Your t COS seems to be the above.
- 5955 USA VOA-Dixon; 1245-1315 in EE w/ mx pgm. (Thompson 8/16).
- 5960 CANADA RCI; 0030-0040 in EE w/ pop mx. (Davenport 8/3). 0330+ in EE w/ US Republican convention coverage (Hauser 8/19).
- 5965 BRASIL R. Guaiba; 0910-0920 in PP samba mx, guitar inst. mx, pips at 0915, mentions of Rio Grande do Sul.(McLaughlin).
- 5965 HUNGARY R. Budapest; *2129-2142 in EE w/ IS, ID, Eastern Block and world nx. //9655,11910,15415 (McLaughlin).15415 hrd?
- 5975 BRASIL R. Guarujá; 0922-0932 in PP w/ guitar mx, TC's, pips at 0930 and vocal selections. (McLaughlin).
- 5980 MEXICO XERMX; 1456-1510 in SS carrying the Radio Correo del Aire pgm. Poor lvl. (Krueger 8/16).
- 5980 PERU R. Panamerica; 0525+ in SS w/ ID's, pop mx, ads(McClure).
- 5985 INTRUDER; A wideband pulsing station (cf 9150) centered @ here and showing up between channels, such as 6003 kHz also, 8/29 at 2256, still 8/30 0000 and 0200 checks. BBC World Radio Club on 8/18 said this station was located in Gomel, the Ukraine; however, Gomel shows on my map as over in Byelorussia. (Hauser).
- 5990 JAPAN R. Japan; *1258-1315 in EE w/ IS, ID, nx and cmntry. Into JJ at 1315. (Thompson 8/18).
- 5990 ROMANIA R. Bucharest; 0226 in EE //9570 w/ ID and DX pgm. (Conover 8/12). 0150 in EE with cmntry. (Beal 8/28). (ure 8/20).
- 5995 VATICAN R. Vatican; 0058 in EE w/ IS, ID, cmntry. //11700(McCl-)
- 6000 BRASIL R. Inconfidencia; 0104-0115 in PP w/ soccer and occasional fanfare(Moritz 9/1).0913-0942 in PP w/ comls, ID's, LA mx. (Jones 8/15, McLaughlin).
- 6000 CHINA Hangzhou; 1040-1055 in CC w/ sing song and chatter(Beal).
- 6000 HUNGARY R. Budapest; 0314-0330 in EE w/ pgm of economic development. Good lvl. (Kae, Raper).
- 6005 CANADA CFCX; Montreal, 2050-2200 in EE w/ ads, mx, traffic reports, (Mahaffey,McIntosh).1115-1430 w/ sports nx and relay of CFCF(Camillo, Schwartz).0100 Expos BB game(Bishop).
- 6006 COSTA RICA R. Reloj; 0523-0530 in SS w/ LA mx, ID's(Poppin).
- 6010 GERMAN DEM. REP. RBI; *0000 in SS to SA (Conover 8/3). (Jones)
- 6010 VENEZUELA R. Los Andes; *1030 in SS w/ NA, ID and local mx.
- 6012 PAKISTAN R. Pakistan; 1220+ in lang w/ ID at 1223(Cosier 8/20).
- 6015 AUSTRIA ORF; 0430-0506 in EE to WCNA, (Leffler, Conover). 0500 ID as "Oestreicher auf Kurzwelle" then into GG(Hammer 8/18). Does the WCNA service go into GG at 0500?
- 6015 BRASIL R. Clube de Pernambuco; in PP at 2330 w/ pop mx, ads and electronic jingles (Zilmer 9/3). (McLanghlin).
- 6025 MALTA DW; *0532-0550* in AA under Portugal, EE ID at 0550.
- 6025 NIGERIA NBC; Enugu; *0550-0638 in EE and in vernacular w/ Af mx. QRM from DW & VOA. (McLanghlin).
- 6025 PORTUGAL R. Portugal; 0155-0300* in PP then into EE after 0230 Program consisted of political tlks, ID's, nx.(Gaffin,Snyder, Kae,Gadouas).2110-2116 in FF w/ mx pgm, poor lvl.(Beaudoin).
- 6035 BRASIL R. Globo; 2325 in PP w/ ID's, tlk and mx.(Zilmer 9/4).
- 6035 SWEDEN R. Sweden; 0030 in EE w/ nx to NA. ex 11955(Zilmer).
- 6035 UNID. VOA? 0317-0330 in EE w/ announcement "Newstime is just around the corner on the old safari trail. Next music"(Mahaffey) Sounds like the VOA "Breakfast Show".
- 6040 CANADA RCI; 2210-0000 in EE w/ relay of Domestic Service. This freq. finally coming in good. (Conrad 9/8).
- 6040 GERMAN FED. REP. DW; 0129-0150 in EE and GG w/ nx(Davenport).
- 6040 GERMAN DEM. REP. RBI; *2315-0020, prior to 0000 in PP, after in SS. Both pgms consisted of ID's, nx, mx.(Ware 8/8, Hall 9/1).
- 6045 LIBERIA VOA; Monrovia, 2020 in EE, fair lvl.(Beaudoin 8/29).
- 6045 SWEDEN R. Sweden; 2300-2330 in EE, //6120,9695. pgm to NA,

- replaces 11705 (Zilmer 9/5). Too close to RCI on 6040, 6120 had a het but 9695 was in the clear. (Kae 9/6).
- 6050 NIGERIA WNBS; Ibadan, 2238 in EE w/ disco mx, Af nx. (McIntosh).
Correct name per QSL: Western Nigeria Gov't Broadcasting Ser.
- 6055 ENGLAND BBC; 0235-0245 in EE, co-channel QRM. (Kae).
- 6055 RWANDA Rdf. Rwandaise; 0400-0431 in FF w/ western and native mx, stringed instrumental. (Shingler 8/25, Whitacre).
- 6060 ARGENTINA R. Nacional; 0924+ in SS w/ US pops. (Jones 9/8).
- 6060 CUBA RHC; 2230+ in SS w/ Cuban musical pgm. (Hammer 8/11).
- 6065 SPAIN RNE; 0058-0110 in EE to NA (Davenport).
- 6065 SWEDEN R. Sweden; 2030 start of EE pgm, fair lvl. (Beaudoin).
- 6070 CANADA CFRX; 1210-1510 in EE w/ relay of CFRB. News, sports, local wx, mx, etc. (Kay 8/13, Camillo 8/31).
- 6070 VENEZUELA R. San Sebastian; 0550-0730 in SS w/ LA vocals, nx, W & M ancrs, (Mahaffey, Cosier). 0700 in exc. lvl. when normally Jayapura should be audible. (Willis).
- 6070 UNID. 0755+ in SS, ID sounded like R. Concepcion. There were 2 Latins here under RRI. One was San Sebastian. Who? (Cosier 8/22)
- 6075 GERMAN FED. REP. DW; *0130-0150* in EE w/ nx, orch. mx, economic reports. //6010 which is stronger. (Conrad 9/8).
- 6080 NEW ZEALAND R. New Zealand; *1045-1300 in EE w/ ID's, nx, pop mx on the National Program (Zilmer, Jones, Miller, Camillo).
- 6082v PERU R. Nacional; 0336-0602 in SS w/ Peruvian mx, ID's, tlks and "Musica y mas musica" pgm. (Turner 8/10, Wegener 8/24).
0809 on 6082.5 in SS w/ local mx. (Junqua 8/25).
- 6085 BRASIL R. Jornal do Comercio; 0045 in PP w/ a rapid fire sports program. Fair lvl. (Zilmer 8/27).
- 6085 GERMAN FED. REP. DW; *0300 in GG w/ nx (McClure 8/13).
- 6085 HOLLAND R. Nederland; Lopik, 2158+ in SS w/ ID, mx (Ware 8/30).
- 6085 UNID. 2045-2200 w/ an open carrier then a test tone followed by tone pulses. Antigua? (Mayer 8/18). Don't know, but I guess in a short while we will all be hearing Antigua.
- 6090t ARGENTINA R. Belgrano; 0755 in SS w/ typical LA fanfare. Heard when the ABC was in its "weak" state. Reception was similar to R. Nacional on 6060. (Cosier 8/15).
- 6090 AUSTRALIA ABC; Sydney, 1045-1130 in EE w/ nx, mx. (Camillo 9/6).
- 6090 LUXEMBOURG R. Luxembourg; 2000-2020 in GG w/ pop mx (Beaudoin).
2350 in GG & EE w/ mx till 0000 then into just EE w/ nx, sports, wx, TC's, pop mx and ID's as R. Luxembourg and "208". (Ware 8/30).
0000-0130 in EE w/ same format as above (Bishop, Raper, Snyder, Haas, Gadouas).
- 6095 ECUADOR HCJB; 0400 in EE w/ "Music in the Night" pgm (Woltman).
- 6100 GERMAN FED. REP. DW; 0030 in PP w/ nx (Conover 8/29).
- 6100 MALTA DW; *0128-0150* in EE w/ IS, ID, nx and orch. mx. (Bishop, Thompson, Snyder).
- 6100 MOROCCO RTM; 2330 in AA w/ chanting and mx (Zilmer 8/29).
- 6105 MEXICO XEQM R. Yucatan; 1218-1250 in SS w/ local mx (McLanghlin).
- 6105 NEW ZEALAND R. New Zealand; 1000-1030* w/ Nat. Pgm. (Camillo).
0915-1032* as above (Zilmer). 0600-0843 w/ local wx, ID's, US pop mx. (Brookwell, McIntosh, Jones). Arthur Cushen has advised me that his "DX World" 15 min. pgm. is to be resumed during the first Sunday of the month at 1015; currently 6105 is the only SW freq in use, but we are uncertain as of this writing whether it will remain so after the 9/5 change (Hauser).
- 6110 ENGLAND BBC; 0345-0401 in SS to LA (Davenport 8/14). (Osterman).
- 6110 PHILIPPINES VOA; Tinang, *1100-1121 in EE w/ nx and commentary.
- 6115 COLOMBIA La Voz de Llano; 1015-1030 in SS w/ mx, tlk and plenty of ID's. Excellent level. (Camillo 8/20).
- 6115 MEXICO XEUDS R. Universidad de Sonora; 1645-1730 in SS w/ ID's, piano mx, announcements and lots of classical mx (Thompson 8/16).
0240-0259 in SS w/ Mexican and US mx (Poppin 8/20).
- 6115 SWEDEN R. Sweden; 0230+ in EE //9695, pgm. to NA. (Zilmer).
- 6120 ARGENTINA LRX1 R. El Mundo; 0730+ in SS w/ good rock mx and TC's every 1/2 hr. Fair lvl. (Brookwell).
- 6120 COLOMBIA R. Super de Cali; 0903-1009 in SS w/ ID, TC, tlk by M. Argentine mx (Jones 8/24, Miller 8/29).
- 6120 SWEDEN R. Sweden; 2307- 2328* in EE w/ classical mx, cmntry on nude swimming, "Mailbag" pgm. (Conover, Kae, Ware, Hall, B'doin).
- 6130 GERMAN FED. REP. DW; *2205 in PP w/ nx //6120 (Ware).
- 6130 GHANA Voice of the Revolution; 2130-2302* in EE w/ pgm of evening mx and nx. QRM from DW. (Zilmer 9/2).

- 6130 SAUDI ARABIA BSKSA; 2300+ in AA w/ special Ramadan pgm //7110 Good lvl. (Butterfield 8/26). (Zilmer).
- 6135 BRASIL R. Cultura da Bahia; 0930+ in PP w/ tlk, mx, ads.
- 6135nrf CANADA RCI; *0400-0600* in EE w/ nx. (Nebron 9/8).
- 6135 TAHITI R. Tahiti; 0518-0523 in Tahitian w/ beautiful local mx and little tlk. Good lvl for only 4kws. (Poppin 8/29).
- 6135 UNID. 0130-0136* in AA w/ chanting then a short NA(Bishop)BSKSA?
- 6140 AUSTRALIA VLW6; 1500-1510 w/ National W.A. nx(Nebron 8/17). (Kae)
- 6140 SPAIN RNE; 2040-2050 in SS w/ mx pgm and tlk.//7105, 9570, 11920
- 6145 ALGERIA RTVA; 2045+ in AA w/ chanting. (nameless).
- 6150 AUSTRALIA VLR6; 0900+ in EE w/ pop mx(Stauner 8/21).
- 6155 AUSTRIA ORF; 0335-0355 in EE w/ discussion of night life spots in Vienna. (Kae 8/26).
- 6155t IRAQ R. Baghdad; 2235-2240 in AA w/ chanting and mx(Shingler).
- 6155 JAPAN FEN; 1104+ w/ nx and wx in EE (Jones 8/13).
- 6155 USA WYFR; Sciuate, Ma. 0100 in EE w/ rel. mx and readings(Bishop)
- 6155 UNID. 0900+ in SS w/ ID's as "Super". Station carried LA tunes and some pop mx. (Stauner 8/21).
- 6156 HAITI R. Citadelle; 1015+ in FF w/ island type mx, tlks by a M, and frequent mentions of "kilohertz".(Whitacre 9/3).
- 6160 CANADA (NFLD.) CKZN; St. John's, 1100+ w/ CBC nx(Butterfield). 2100+ w/ CBC nx (Mayer).1700-1726 w/ nx features and mx(Bishop).
- 6165 BRASIL R. Cultura; 2310+ in PP w/ classical mx and operatic singing.//9745 (Zilmer 9/3). (Ware 8/30).
- 6165 RONAIRE R. Nederland; *0030 in DD w/ IS, ID, nx and pgm. to NA. The 0210-0230 segment was reported as coming from Hilversum but I believe it is from Bonaire. (Turner).
- 6165 SWITZERLAND SBC; *2100+ in EE w/ nx and features(Bishop 8/19).
- 6165 VIETNAM Saigon(Ho Chi Minh City); 1055+ in VV w/ tlk by a M and W, martial mx and pips also heard (Beal 8/14).
- 6170 EGYPT R. Cairo; 2225+ in AA and local mx. (Conover 8/24). This may need further checking - note the Morocco item below.
- 6170 MALTA IBRA/R. Mediterranean; *2045-2100* in EE w/ rel. pgm. Frequency and address given during transmission. (Bishop 8/20).
- 6170 MOROCCO RTVM; 2300-2330 in AA w/ chanting.//6100(Zilmer 8/29).
- 6175 COSTA RICA Faro del Caribe; 1100+ in SS w/ nx.(Zilmer 8/22).
- 6175 ENGLAND BBC; 0430 in EE w/ world nx (Schwartz). (Leffler)
- 6175 GREECE Voice of Greece; 2245-2250* in UNID. lang. Greek mx w/ ID.
- 6175 MONTSERRAT; Larry Magne advises me that the Tentative HF B/Cing Schedule shows that the projected BBC usage of this channel from its Caribbean Relay station for S76 is in fact, 50kws from Montserrat, not Antigua. However, the time shown is 1945-0330, while BBC published schedule shows 0430-0730, and does not say from which island. 6175 has always been from Sackville from the time period 2300-0430. (Hauser).
- 6180 CYPRUS BBC; 0413+ in EE w/ nx and omtry (McLaughlin).
- 6180 DENMARK R. Denmark; 0235-0244 in EE w/ tlk on Danish archeology. (Snyder via Banner from BDXC). May need rechecking.
- 6180 GUATEMALA La Voz de Guatemala; 0816+ in SS w/ pop mx(Junqua).
- 6180 LIBERIA VOA; Monrovia, 0742+ in EE w/ nx (Brookwell). erfield)
- 6180nrf LIBYAN ARAB REP. PRB; 1950-2230+ in AA, also 2300*, poor.(Butt-
- 6180 NORWAY R. Norway; 0200-0230 in EE to NA, //9645 also from 0400-0430 in EE to NA, // 9645 and 11870. (Zilmer).
- 6180 VENEZUELA R. Turismo; *0957 in SS w/ ID's and many comls.(Jones)
- 6185 GERMAN FED. REP. DW; before closing on 8/21 at 0547 listeners were asked to comment on the length of transmission. Thus it would seem that the time is ripe for extension of the 20 minute transmission to NA. (Hauser via Richard Allen - a DW monitor).
- 6185 LIBYAN ARAB REP. PRB; 2200-2234 in AA w/ singing and mx. See above 6180 article. They are on 6185. (Moritz, Conover).
- 6190 BONAIRE TWR; 0345+ in EE and SS (Cohen 8/27).
- 6190 CHILE R. Nacional; 0750 in SS, IDed as CE-619.(Brookwell).
- 6190t COLOMBIA 0635+ in SS w/ ID and freq. by a M. ID sounded like La Voz de Cali, Definitely not Centauros, (Mahaffey 8/15).
- 6195 BONAIRE R. Nederland; 0245+ in EE w/ "Happy Station"(Woltman).
- 6200 LAOS National Radio Broadcasting Station; Vientiane, 1057-1102 w/ Lao tlk by a M and W, march mx. (Hauser 8/29).
- 6200 USSR; Mayak IS heard once on 8/29 at 2259. Poor with wavering het from Tirana. (Hauser).

Well I took it over Kent. I hope that I can do half as well as you. There are a few mistakes which, I hope, will all be taken care of by next issue. Till then....73's....Sam.

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 56045!

- 6206 ITALY Gamma Radio; 0404 hrd Woman w/nx in possible EE, 0410 Man announcer, then pop mx, on past 0420 t/out. Poor signal & lightning noise (Whitacre 8/1).
- 7060rf CHINA R. Peking; FS #1300 in Chinese. Excellent level (Willis-Australia).
- 7065 ALBANIA R. Tirana; *0430 AA w/sign-on, Id, nx (Schwartz 8/30). 2258 FF w/talk by YL. S/off with Internationale at 2258 (Hammer 9/1).
- 7070 INDONESIA RRI-Jakarta; 1200-1300 w/pop mx, Love Ambon (Nebron 9/1).
- 7100 USSR R. Moscow (Yakutsk); 0115-0130 EE w/sport cmntry, Id's (Davenport 8/3). 0315-0330 EE w/mx, nx, talk (Conover 7/31).
- 7105 USSR R. Moscow; 0300 EE w/nx, cmntry, followed by pgm Thinking Out Loud (Woltman).
- 7110 MONACO TWR; *0625 EE w/sign-on, Id, Back to Bible pgm (Bishop, Schneck, Raper).
- 7120 ALBANIA R. Peking Relay; *0100-0155* EE w/condensation of world nx, mx w/accordion & bells. Talked about Hitler's pre-war Germany, etc. (Earhart 9/7, Schelke 8/1). 0140 EE, following BBCMS report of Chinese lessons, checked Tuesday 8/24 and sure enough they were just finishing a lesson; started 8/10. Sked on GMT Tuesday, repeated Thursdays to N. America (Hauser). *0300-0355* EE Id, cmntry on developing countries, CC lang. lessons, propaganda (Thompson, Butterfield, Davenport, Woltman).
- 7145 POLAND Polish Radio; 0431-0444 EE w/piano IS, some mx, nx. QRM! Poor (Turner 7/21)
- 7145 USSR R. Moscow; 0220-0230 SS tlk on Guatemalan workers, song about "compañero Allende". Good signal (Gaffin 9/8).
- 7150 GERMANY (WEST) DW; 0430-0445 EE nx, "On the Scene", pop mx, talked about a conference in Nigeria concerning problems of Africa & Peace. (Earhart, Bishop).
- 7155 JORDAN R. Jordan; 0405 AA w/Id and commentary (Schwartz 8/24).
- 7165 ETHIOPIA ETLF; *0329 EE w/Id & "V" on drum during R. Moscow pause; quite convenient. EE nx (Hauser 8/20, Snyder 8/12). 0400-0420 EE Id, freq. used, organ mx, nx, orch. mx (Thompson 8/28).
- 7165 RYUKYU ISLANDS VOA RELAY; 1142 EE with American middle-of-road & oldies mx (Miller 8/29). 1245-1315 EE w/Jazz Hour, TC's, nx, review of nx (Thompson 8/14).
- 7165nf USSR R. Vilnius; 0030-0100 EE Id, IS, letter box. Good level (Conover 8/29).
- 7170 GREECE VOA-Kavala; 0230* EE Id, sign-off (Schwartz 8/22).
- 7180 HUNGARY R. Budapest; 0210 EE 8/28 w/Id & usual propaganda. 0413 still announcing 7215 and 7180 apparent error, as back on 7215 as sked, 8/29 at 0244 check. (Hauser, McClure 8/27).
- 7180 MALAYSIA BBC RELAY; 1245 EE tlk on learning a new language, time pipe, 1300 Cantonese language (Thompson 8/15).
- 7185 SOUTH AFRICA SABC; 0525-0625 mx, nx, ads, gong, Id as "10 past 8 on Springbok Radio" (Cesler-Australia 8/12, Davenport 8/8).
- 7190 USSR R. Vilnius; 0045 EE programs (Stamer 8/28).
- 7190t YEMEN PDR DYBS; 0310-0330 AA mx continuous until 0330, talk by man. VOA & ARO QRM (Conover 8/8, Bishop 8/25).
- 7200 USSR RMP (Radio Moscow Facilities) (Yakutsk IFRB); Strange Japanese language rapid w/tlk 0800-0840, R. Moscu ID 0830 into talk by man in the same language. 0840 off air (No ID or IS) (Brookwell).
- 7202v KOREA (NORTH) R. Pyongyang; SS 0930-1000, EE 1000-1049* w/nx, YL in diatribe re Tree Cutting, 1047 freq given, IS with chorus//9768 (Zilmer, Jones, Padula-Australia).
- 7210 GERMANY (WEST) DW; 0145 EE ID w/tlk, mx (Conover 8/3).
- 7215 GREECE V. of Greece; 0421-0431 prob. Greek lang w/Greek mx (McLaughlin).
- 7215 HUNGARY R. Budapest; 0352+ Hungarian ID, cmntry, IS Trumpets Horns repeated, 0400 theme song then into Spanish program (Poppin 9/2).
- 7220 AUSTRALIA R. Australia; 0720-0740 EE w/pop mx pgm, Id (Bishop 8/25).
- 7225 RWANDA DW RELAY; 0424-0430 lang, Afro chants & instrumental mx, 0430-0515 EE ID, nx, cmntry, rock mx (McLaughlin, Hall 9/2).

- 7225 PHILIPPINES FEBC; 1050-1105 End of lang. programs into chimes type bit, then Man in EE w/Id & freqs. Into EE pgm (Moritz 8/28). 1159-1215 lang. w/Id, cmntry, xylophone, accordian songs, electric organ, FEBC IS (Poppin 8/26). 1245-1315 Indonesian tlk, piano mx, vocals, organ mx, 1300 Japanese w/orchestra mx, Id's, Japanese talks (Thompson 8/31).
- 7235 AUSTRALIA R. Australia; 0900-0916 Indonesian?, rock mx, mx (T. Dorsey or B Goodman) after nx. (Poppin 9/3). 1127 EE with music (Snyder 8/12).
- 7247 ALGERIA RTVA; *0600 FF // 11810. Excellent level but the drift of freq. creates a het with stations on 7245 (Willis-Australia).
- 7260 GERMANY (EAST) RBI; 2140 EE w/musical request pgm, Id (Snyder 8/12).
- 7260 GREAT BRITAIN RCI RELAY; 0312-0320 RR w/IS & RR s/on. Very good (Krueger 8/11).
- 7265 GERMANY (WEST) Sueddeutscher Rundfunk; 0259-0316 GG ID by woman, TC "funf Uhr"; & world nx, instrumental mx. Very clear. (Krueger 8/13). Sudwestfunk Rohrdorf; 0445 GG w/light mx, TC, Popschlager, nx, sermon. ARO QRM. (Schwartz 8/30).
- 7270 ASCENSION ISLAND BBC RELAY; 0630 EE w/disc of drought in UK (Schwartz 8/26).
- 7270 SOUTH AFRICA RSA; *0500 EE w/IS, ID (Aston 9/6).
- 7275 CYPRUS BBC RELAY; 0105 EE story, play. Faded after 0120. To. S.Asia & Burma (Conover)
- 7275 ITALY RAI; 2030-2045* AA mx, s/off. Pair signal (Mayer 8/18).
- 7275 NIGERIA VON; 0655-0755 EE w/IS, rapid drums into nx & Sunday morning pgm of Afro. mx & nx (Davenport, Snyder 8/30).
- 7275 TUNISIA RTVT; 0543-0549 w/Usual diet of AA singing & woman in long AA chit-chat (Moritz 8/9). 0702-0800 AA, tlk but mainly AA songs & instr. No ID hrd. (Overcomp).
- 7275 USSR R. Moscow; HS now heard here at 1300 in RR. Good level too (Willis-Australia)
- 7280 LIBERIA VOA RELAY; 0454 EE w/DJ, mx (Conover 9/5).
- 7285 JAPAN NHK Yamata BS; 1212 JJ w/JJ mx, tlk (discussion) by M & W. Good (Beal 8/14).
- 7285f SOUTH AFRICA RSA; 0545 w/light piano tunes till 0555 when xd DW carrier. Not RM or Polish R. (Cosier-Australia 8/22). 0610 EE, nx. Very faint, bad HAM QRM. Not listed here, but there it was. Don't think I mis-tuned & got 7270. (Gesell 8/8).
- 7290 AUSTRALIA R. Australia; 0854-0900 EE w/Id, rock mx, electric organ, IS (Poppin 9/3)
- 7295 GREECE VOA-Kavala; 0510 EE w/Breakfast show (Schwartz 8/30). I have Tangier listed!
- 7300 USSR; Unid. Station, 1054-1100 RR w/piano recital, beeps, TC "14 Chasov"(Poppin).
- 7300 ALBANIA R. Tirana; *0230-0300* EE ID, nx, cmntry on working class in Norway (Glazzy)
- 7315 CHINA R. Peking; 1002 RR w/Id, cmntry "Govorit Peking", extreme QRN 1005 (Poppin). 1604-1626* lang w/cmntry, accordion mx to S. Asia. International at s/off (Poppin).
- 7315 USSR MAYAK; 1248 lang w/ID, Moscow Nights chimes, Moscow time "16 Chasov", electric organ, zither (guitar) Greek mx from Zorba the Greek, trumpet, etc. (Poppin)
- 7345 CZECHOSLOVAKIA R. Prague; 0100-0200 EE w/sign-on, Id, music request pgm, etc. V. Good signal (Steas 8/15). 0300+ EE w/mx, cmntry on Republican Convention & on Chile, sports, orchestra mx, ID & freq's used (Thompson 8/17, Woltman 9/6).
- 7390 USSR R. Kiev; *0300 EE w/Id, nx, Radio Kiev DX Club, Round Table discussion, Nina Brashko & Dimitzi Marko announced, folk mx. (Poppin 8/11, Aston 9/9, McClure 8/2)
- 7390 USSR R. Moscow; 2335-2350 SS "R. Moscu Informa y Comenta" (Gaffin 8/29).
- 7412 ISRAEL IBA; 0500-0515 EE nx, Id (Turner 7/20). 0516 FF ID, nx (Schwartz 8/30). 2250 EE nx & cmntry // 11625, 9815, 9435 (Zilmer 9/6).
- 7420 BYELOSLOVAKIAN SSR Minsk; 0125 RR w/IS, El mx, waltz mx. Poor level (Conover 8/13).
- 7435 CHINA R. Peking; 1306 CC (?) woman vocalist in CC, CC mx, percussion mx (Poppin).
- 7470 CHINA R. Peking; *0930-0940 lang? w/continuous IS to s/on by Woman in some Asian lang. Can't find a listing for this time & freq, ideas? (Krueger 8/23).
- 8567 CHINA R. Peking; Ioghur service here at 1300-1355 (Willis-Australia) Ioghur??
- 9009 ISRAEL IBA; 2000+ EE nx to Africa // 9425 (Miller 8/21, Zilmer 9/6).
- 9022 IRAN VOI; *2000 EE nx, cmntry pgm to Europe (Thunberg, Miller, Wegener, Cohen, Bishop).
- 9030 UNID; 1636-1700 RR cmntry, guitar mx, tlk on Students in Thailand take action. Could this be Vietnam because I hrd "Vietnam" & "Dear Listeners" in RR? No R.Peking International or Russian chimes hrd at end of pgm. (Poppin 8/20).
- 9355nf ISRAEL IBA; 2200 Hebrew w/tlk & pop mx. Not as good as 11605. Replaces 11605 and is // 15512 & 12077 (Zilmer 9/6).
- 9360 SPAIN RTVE; 0030-0100 SS w/orch mx (classical), vocals, SS tlks (Thompson 8/21). 0435-0440 SS ID, cmntry by man & woman, nx, harp arpeggio between nx bulletins
- 9410 GREAT BRITAIN BBC; 0115-0130 EE ID's, comments on U.S. & N. Korea (Thompson) (Poppin)
- 9420 VENEZUELA R. Barquisimeto International; 1145 SS (9/4) w/tlk, nx, ads. Not on 9510! Returned to 9510 9/5. (Zilmer).
- 9423 CHINA CLANDESTINE Voice of the Thai People; Sign on (but missed language) at 1000. Excellent level too! (Willis-Australia).
- 9425 ISRAEL IBA; 2000-2030 EE nx-comment to Africa // 9009 (Zilmer 9/6).
- 9435 ISRAEL IBA; 0500-0515 EE nx, press review (Sheehan 8/13). 2230-2300 EE Id, nx, cmntry to N. America // 11625, 9815, 7412 (Zilmer 9/6, Poppin 8/4).
- 9445 PAKISTAN R. Pakistan; 2100-2146* EE nx, cmntry, chorus singing, abrupt sign-off. //11672 (Zilmer 8/21, Osterman 8/10).
- 9455nf PAKISTAN R. Pakistan; 2140-2144* EE & lang. Hrd on 9465 and 9445, this first time on 9455. WRTVH lists 9460! (Osterman 8/23) I'm taking bets for their next freq.(hi)!

- 9470rf USSR R. Moscow; HS heard well hear at 0655. Pgm featuring RR conductor Y. Svetlanov (Willis-Australia).
- 9475 EGYPT R. Cairo; *0200-0330* EE ID, nx, AA mx, listeners reports (Glazzy 8/21, Sheehan 8/14, Earhart 9/7). 0440 AA mx followed by Koran chant//9805 (Leffler).
- 9500 USSR R. Kiev; 0030 EE ID & DX Program (McClure 8/2).
- 9505 JAPAN NHK; 0900 EE nx (Sheehan 8/13). 1555-1630 EE w/sign-on w/IS & ID in EE and Japanese. Nx at 1600 (Bogel 9/4). 1658-1715 EE w/IS, ID, nx, current events, 1715 into Japanese (Thompson 8/14).
- 9505 PERU R. America; 0445-0505 in SS w/middle of road mx, many ads, several ID's mentioning call, news, pops (Wegner). 0730-0755 SS LA mx. Severe NHK QRM 0755 (Cain)
- 9510 ROMANIA R. Bucharest; 0411 EE ID, "comme'tary (hi), olympic report (McIntosh). 2025 EE w/very good signal. s/off, ID, IS (Nikelich).
- 9515 AUSTRALIA R. Australia; 0800-0830 EE nx on churches of Australia. Not sked this time but better than 9570, but not hrd since testing (Davenport 8/7). 1140 EE nx, sports followed by mx (Woltman 9/6).
- 9515 MEXICO La Voz de America; 0519 w/SS nx (Hebron 8/14).
- 9515 TURKEY VOP; 0435 with Turkish talking & mx (Leffler). 1548-1555 w/talk in lang & ML-East type mx. Fair until NHK sign-on at 1555 (Bogel 9/4). -Language probably was Bulgarian-. 2200-2300 EE w/nx on Greece, Lebanon, Cyprus, etc, editorials, tlk on Turkish research ship MTA-1 in Aegean, Id (Sheehan, Schwartz, Tomkewich, Earhart 8/14). 0901 EE ID, nx, freq's (Poppin 8/4).
- 9520 PAPUA NEW GUINEA NBC; *0630 EE ID, nx, excellent signal! RA & RHC QRM. (Tomkewich 8/14). 0901 EE ID, nx, freq's (Poppin 8/4).
- 9525 INDIA AIR; 2045-2215 EE ID, nx, cmtry //11740 (McLaughlin, Schwartz, Zilmer, Snyder).
- 9530 SPAIN RTVE; SS *0800 now. Excellent level. (Willis-Australia).
- 9540 CZECHOSLOVAKIA R. Prague; 0128-0148 EE tlk on cultural activities in Prague, mx, report on jazz festival (Sheehan 8/15).
- 9545 GERMANY (WEST) DW; *0530-0550* EE ID, nx, magazine pgm (Glassy 8/20). t1952-2120* AA tlk by M&W, western instrumentals, tentative DW ID in GG. Syria hunters beware! And phoece on DW! (Overcomp 8/29). 2100-2120 AA pgm into GG ID. This was the UNID previously reported (Snyder 8/12).
- 9545 SEYCHELLES FERA; *0315 EE w/IS, ID's into Swahili pgm. Poor (Butterfield 9/5).
- 9555 AUSTRIA ORU; *2100-2110 GG w/IS, ID, nx. Good signal (Mayer 8/17).
- 9555 KUWAIT R. Kuwait; 1810-1830 mx, tlk on Kuwait (Snyder 8/25).
- 9560 AUSTRALIA R. Australia; 1109+ EE ID, nx (Poppin 8/26). 1247+ EE ID, singers-voice competition, audience appreciation, rock mx, songs (Poppin 8/27).
- 9560 BULGARIA R. Sofia; 0030 Bulgarian, 0130 SS, 0230 PP. Shares with HCJB (Brooks).
- 9560 EQUADOR HCJB; 0230-0305 EE ID, DX Party Line, Ecuadorian mx (Thompson 9/7).
- 9562 PERU R. Nacional; 1658-1734+ SS ID, LA mx, time pips for about 2 minutes before hour, TC, ID (Overcomp 8/29, Nicholson 8/22, Trautschold 8/23, Gedevas 8/28). 2325 SS w/Andean mx, ID's "Peru Musical" pgm, slightly overmod. F w/strong het (Wegner).
- 9566 CHILE LV de Chile; 0210-0350 EE nx, mx on chile, tourist info, gave address, Id, sked & details every 3 minutes! 0230 into other langs. (McClure, Earhart, Thompson, Hall)
- 9570 AUSTRALIA R. Australia; 0721-0800 EE w/mailbag & nx (Davenport 8/1).
- 9570 ROMANIA R. Bucharest; 0215 EE mx, Sir Jeffery in the 20th century (Sheehan 8/16).
- 9570 USSR Moscow R.; 0449-0501 RR ID, Moscow time "7 chasov 50 minoot", waltz mx, cmtry, electric organ, Moscow Night chimes, popular song in USSR, TC "8 chasov" (Poppin 8/7)
- 9575 ITALY RAI; *0059-0120* EE w/IS, ID, nx, sports, Italian vocal mx (Thompson, Stees, Sheehan, Godouas, Tomkewich). 2240-2254 II w/pear mx. M&W in II, contemporary mx, nx
- 9580 USA VOA-Greenville; 1000-1100 PP nx (Davenport 8/1).
- 9580 ASCENSION ISLAND BBC RELAY; 2100-0211+ EE ID, nx, press review, etc. (Thompson, Kay, Conrad, Tomkewich, T. Smith). 0100 (8/15) no trace of BBC here nor on 6055, 9765; huge power failure on Ascension? (Hauser).
- 9580 PHILIPPINES VOP; 1300-1330 EE ID, nx, mx (Glassy) 1402+ EE M w/Musica Filipinana, announcement of pgms for day. Good signal (Bogel 9/1).
- 9580 AUSTRALIA R. Australia; 1135-1245 EE ID, nx, stock market, horse race (Poppin 8/27, Earhart 9/7, Schwartz 8/14, Haas 8/8).
- 9585 HUNGARY R. Budapest; 0128 EE ID, IS, vocals, orch. mx, Hungarian tlk, 0200 EE IS, ID, tlk, mx, nx, cmtry, vocals (Thompson 8/19, Conover 8/3). (Poppin)
- 9585 USSR Yakutsk; 0624 RR. Cave Moscow time "9 chasov 30 minoot", piano & violin mx
- 9585 BRAZIL R. Ereelstior; 2320-2345* PP tlk & mx after RSA s/off. Not on 24 hours as stated in WRTHF // 15265 (Zilmer 9/1).
- 9585 SOUTH AFRICA RSA; 2120-2250 EE w/Panorama, orchestra mx, TC, ID, nx (Thompson 8/16) *2230-2320* EE ID, nx, announcement of independence of Transkei, reactions to racial problems, final broadcast from old building (8/11), DX Corner w/tlk on automated broadcasting, SABC will eventually be automated, etc. (Poppin 8/11, Earhart 9/6, Tomkewich 8/29, Schwartz 9/1, Bogel 8/29, Thompson 8/16).
- 9585 SOMALIA R. Mogadishu; 0300-0400 Somali, East African vocals, good level via long path (Padula-Australia 8/7). 1715-2100* Somali ID, tlk, stringed mx, pop mx like "Fly Robin Fly". (Bishop, Butterfield, Conover, Nikolich, Snyder, Osterman, Wegener).
- 9585 JAPAN NHK; 1110 EE cmtry. Good signal but QRM (Osterman 8/11). 1313 EE ID, 1315 JJ pgm (Conover 9/4).

- 9585 NEW ZEALAND RNZ; *0458 EE w/nr, weather, mx & interview pgm, ID's "This is the National Service of RNZ" & "This is the Overseas Service of RNZ.(Butterfield 8/26). 0555-0614 EE ID, interview, TC (Poppin 8/8).
- 9590 CHILE R. Balmaceda; 0035 SS w/frequent mentions of "Balmaceda", many ads.(Wegener 8/28). 0346 SS pop mx, ID's, freq. (McIntosh).
- 9590 NETHERLAND ANTILLES R. Nederland Relay; 0328-0434 SS w/IS, ID, nr, comments on meeting in Sri Lanka (Thompson 8/20). Spanish speaking DX-ers are invited to listen to R. Nederland's "Espacio DX-ista" each Friday (GMT Saturday) at 0248 and 0418 on 9590 and in all other SS transmissions from RN; as of 8/13-14 I am doing a monthly DX report on the program, similar to, but not identical to the one in the EE DX Juke Box. New Host Alfonso Montealegre is pepping up the program, with more music, and DX correspondents a la DX Juke Box. So far there's another correspondent from Canary Islands (Hauser).
- 9590 SWITZERLAND SBC; 2100-2120 EE w/cntry on William Tell's Dual (Beaudoin 8/1).
- 9600 AUSTRALIA R. Australia; 1318 lang w/IS, ID in EE into Thai at 1330. (Conover 9/4).
- 9600 USSR R. Moscow; 0125-0200 EE ID, freq. into nr pgm (Davenport 8/5).
- 9605 VATICAN CITY Vatican Radio; *0100-0115* EE nr, cntry (Bishop 8/19, Godouas 8/27).
- 9605 GERMANY (WEST) DW; 0431+ GG ID, vocalist "Maria" (Poppin 8/19).
- 9610 AUSTRALIA ABC-Northern; 1100-1200 EE nr, science pgm, mx. Excellent signal (Camillo 9/5). 1245-1315 EE w/vocals, IS, ID's, The World at Nine, Headlines, Nx in Detail (Thompson 8/27). 1330-1400 EE w/mx pgm followed by race results (Tomkewich 8/30).
- 9613 INDONESIA RRI Jayapura; 1128 II w/mixture of all kinds of music. ID. (Miller 8/21).
- 9615 GREAT BRITAIN BBC; *0245 sign/on into RR news (Padula-Australia 7/5).
- 9615 MORCOCO RTVM; 2145-2205 AA music and talk (Cain).
- 9620 YUGOSLAVIA R. Belgrade; *2200-2214 EE nr, President Tito's speech, ID, IS "Internationale" into PF (McClure 8/22, Godouas 8/30, Haas 8/22, Cain).
- 9625 CANADA CBC Northern Service; 0215-0245 EE ID's w/freq's and address, Tonight from Halifax pgm, orchestra mx, vocals (Thompson 8/21). 1702+ EE into Eskimo at 1703 (Bogel 9/4). Looking over the May-November CBC Northern Service sked, I note a marked reduction in FF; in fact, I compute that of the 130 hours and 19 minutes the NS is sked on the air weekly, fully 90% of them are in EE, or 69.5%; Inuktituk (Eskimo) at 21:19, or 16.4%; Cree has 12:15, or 9.4%, and FF, only 6:05, or 4.7%. Whatever happened to strict bilingual equality? By the way, for S76, never learning its lesson, CBC again plans to QRM its own NS, with RCI pgm on 9625 to Europe at 2000-2200 (Hauser).
- 9630 SPAIN RTVE; 2245-2300 SS lik to 2250, possible ID, mx (Davenport 8/9).
- 9630 CZECHOSLOVAKIA R. Prague; 0148 EE w/folk mx pgm. Heavy QRM from RTVE (Godouas).
- 9635mf KOREA (SOUTH) R. Korea; *1130-1200* EE w/nr, comment, local music. Replaces 9640. (Zilmer 8/21).
- 9635 BRAZIL R. Aparecida; 2345 PP w/rapid talk (Zilmer 8/29).
- 9635 PORTUGAL? Radiodifusão Portuguesa; PP, closing with anthem 8/15 0101, badly distorted and even sounds like relay off air; humm, Sines is connected with Malta... (Hauser).
- 9645 NORWAY R. Norway; 0000 EE nr (Zilmer 9/6). 0212-0230 EE, playing old Norwegian tunes, answered listeners questions, etc (Erbhart 8/30). 0400-0430 EE nr, magazine pgm (on Salmon, Norwegian Folk mx, cntry) (Stees 8/30).
- 9645 BRAZIL R. Bandeirantes; 0245 PP tlk, mx, ads (Zilmer 9/3).
- 9645 COSTA RICA TIFC; *0300-0405* EE w/Hour of Decision, Unshackled, Guidelines for Family living, revival time, vocal mx, sermon, ID at s/off (Thompson, Bishop).
- 9645 VATICAN CITY Vatican Radio; 2030 EE cntry and religion into II 2045 (Beaudoin).
- 9650 CANADA RCI; 0200-0400 FF/SS moved off 9655 so VOA could have Conv. Coverage(Nebron)
- 9655 GREAT BRITAIN (per WRTVM) VOA relay; 0200-0400+ w/special Republican Convention coverage (Nebron 8/20). -The New VOA skeds list 9655 for Bethany!-
- 9655 HUNGARY R. Budapest; 1830+ Turkish music & news (Beaudoin 8/1, Godouas 8/28).
- 9655 CANADA RCI; 0239 EE nr & mx. Excellent signal (T. Smith 8/17).
- 9660 AUSTRALIA ABC-Brisbane; 0915-1045 EE w/talk on education, local time check. Good signal. (Klaasman 9/9, Davenport 8/1).
- 9660mf PAKISTAN R. Pakistan; *1815-1820* EE news for five minutes, then into Turkish talk and music // 11672 (Zilmer 8/18).
- 9660t VENEZUELA R. Rumbos; 2215-2341 SS with SS play in progress w/music. No ID hrd. (Davenport).
- 9665 of August LR-C SEYCHELLES FERA; The station was very difficult to copy due to QRM. From the gist of what I could understand, they said it was an historic occasion and it may have been their Independence celebration. They introduced a man whose name I did not understand, as the "First President of the New Republic of Seychelles" They kept referring to "Her Majesty The Queen", and although I did not hear her speak, she may have. I lost the signal at 0414, but before I heard them say there would be another pgm on July 3rd. On that date, the QRN was so bad I could not pick them up. I just received a QSL from Seychelles, with the notation "Special Independence Programme to East Africa"written on it by Mary Berry!(Hancock) -Congratulations John!!!!- WOW!

- 9670 PORTUGAL Unidentified Religious program via RTE; 1630-1645 PF, 1630 PF by YL vague ID as "La voix..." (Not L.V. de L'esperance (i.e. AWR)) Address at 1644 as BP 1374 Somewhere! (Coiser-Australia 9/1).
- 9670 JAPAN NHK; 1645-1701 EE "Pioneers of Modern Japan", ID w/frequency announcement. Service to S. Asia & Africa. 1700 PF (Bogel 9/4).
- 9675 BRAZIL R. Diario da Manhã; 2255 PF tk, music, ads, jingles (Zilmer 8/24).
- 9675 CANADA RCI; 0745-0759 EE nx, cmntry, sports, weather to Europe & Africa. Not listed for this frequency (Osterman 8/12).
- 9675 PERU R. del Pacifico; 1224 SS ID & religion (Conover 8/14).
- 9678 KOREA (NORTH) R. Pyongyang; w/fair signal at 1030 w/EE nx by Woman. 1100+ return hrd RR pgm (Whitacre 8/13).
- 9680 ECUADOR HCJB; Quechua talk to 0859 ID, mentioning 690 ____ (not "quilohertz" so Quechua, like Cree's "Guy Meemikij" must have its own term for kHz--it's surprising to find these Amerindian languages with their own concepts of 'thousands of cycles per second'), HCJB's MW freq, time signal and off. (Or maybe it just translates as 'on the dial' HI) (Hauser).
- 9682 COLOMBIA R. Nacional de Colombia; 1300 SS classical mx (Jones 9/6). 1530 SS ID, YL & OM announcements, rock music. Poor signal (Osterman 8/29).
- 9685 UNIDENTIFIED; 0612-0635 lang talk by M&W, chants by man (McLaughlin).
- 9685.1 BRAZIL R. Gazeta; 0555-0612 PP TC, mentions of "paulista", "São Paulo", Brazilian music. (McLaughlin). 1000 PP tk, mx, ads, jingles (Zilmer 9/2).
- 9690 ARGENTINA RAE; 0255-0259 SS tk & ID. Nice signal (Ware 9/6). 0300-0332+ EE ID, nx, cmntry, tango mx, pop mx (Earhart 8/28, McClure 8/24, Thunberg 8/31) *1100-1115 JJ service to Asia w/woman announcer. Good signal (Krueger 8/23).
- 9690 ROMANIA R. Bucharest; 2115 EE nx. Fair signal (Tomkevich 8/28).
- 9695 BRAZIL R. Rio Mar; 2030 PP ID, OM w/fast tk, sports event (Trautschold 8/22).
- 9695 SWEDEN R. Sweden; 0248 EE report on Nuclear power plant protest. Severe Moscow QRM. (Sheehan 8/14). 2315-2330 EE w/Sweden Calling DX-ers. Good signal (Gaffin 9/7).
- 9700 BULGARIA R. Sofia; *0000-0030 EE nx, mx, sports pgm, DX pgm (Earhart 9/7, Kay 8/10, Gadous 8/27). *0400-0430* EE ID, cmntry on trade between Bulgaria & USSR, DX News (Glazzy 8/19, Stees 8/11, Sheehan 8/13, Rude 8/21) 1946 EE letters, folk mx, IS, s/off at 2000 (Thunberg 8/15). 2130-2140 EE nx & interview of a female about a department store. Good signal (Earhart 9/5).
- 9700 USA AFRTS; 1425 EE tk of Greek/Turkish controversy in Aegean sea, UN nx (Schwartz 8/22). 1303 EE. Delano has long been the only west-coast site used by AFRTS, but per David Mackes, NASWA reporter who visited there in August, AFRTS was then being aired via Dixon instead, due to construction at Delano; don't know when started, or for how long. (Hauser).
- 9705 MEXICO R. Mexico; 2019 ID by OM, mx, ads (Trautschold 8/22). 2045-2115 SS w/Latin American mx, guitar, vocals, orchestra mx, SS tk, many ID's (Thompson 8/19).
- 9705 ARGENTINA R. El Mundo; 1117 SS ID, TC, tk, Calls as LR1 and possibly LRS1 or LRX1. Listed in WRTVH 9710. NP? (Jones 8/13).
- 9710t BRAZIL R. Ipanema (New name for R. Maua); 1610-1640 PF tk by man, ads, phone-ins. No ID but thought hrd "Ipanema" (Krueger 7/19). -The stations name was recently changed, but I have them listed on 9705!-
- 9710 USSR R. Moscow (Frunze); 2230-2316 PP to 2300, then SS pgm. RN QRM! (Bishop 8/30).
- 9715 HOLLAND R. Nederland; 2130-2205 EE nx, playing requests & acknowledging letters// 11730 (Sheehan 8/14, Earhart 9/7). 2245 EE DX Juke Box pgm. Good signal (Tomkevich).
- 9720 USSR R. Moscow; 1900 EE w/cmntry to UK (Beaudoin 8/1, Gadous 8/28). 2105-2130 EE cmntry & tk about India & Sri Lanka (Gaffin 8/31, Conover 8/8).
- 9725 SWITZERLAND SBC; *0145-0215* EE Dateline, ID, Swiss Shortwave Merry-Go-Round. SS at 0215 (Conrad 9/8, Sheehan 8/15, Kay 8/15, Earhart 8/7). 0440 EE ID, cmntry, tk about Doctors in third world, Dr. Heller & Dr. Oppen (Poppin 8/12).
- 9725 BELGIUM BRT-4; 2345 Dutch tk, nx (Miller 9/5). *0015-0045* EE Belgium Today, mailbox, tk about unemployment (Snyder, Raper, Conrad, Conover, Earhart, Haas).
- 9730 GERMANY (EAST) RBI; 0118+ ID, tk on Olympics (Conover 8/15).
- 9730 UNIDENTIFIED; 1525-1545 lang. w/African mx, Numerous ID's w/two tropical (?) bird calls, and cuckoo. QRM severe. Help, someone! (Hancock 8/15).
- 9730 UGANDA R. Uganda; 2042-2100 EE, nx read by OM, songs by Jimmy Durante! Broadcast to Southern Africa (Osterman 8/27). (t) 2041 tk in Vernaculars. fair to poor signal with much ORU QRM (Nikolich).
- 9740t MALAYSIA BBC RELAY; 1705-1740 EE w/some sporting event. Bad fading. Poor (Bogel).
- 9745 BULGARIA R. Peace & Progress Relay; SS pgm to S. America 0430 (Brookwell 8/30).
- 9745 USSR R. Moscow; 0128 SS ID & Propaganda (Schwartz 9/2).
- 9745 IRAQ R. Baghdad; *1930-2030* EE nx of war in Lebanon, mx. Poor modulation. ID. (Thunberg 8/15, Krueger 8/6, Bishop 8/30, McClure 8/18, Camillo 8/25).
- 9750nf MALAYSIA V. of Malaysia; 0625-0855 EE then into Indonesian from 0900. Seems to replace 6175 for all transmissions, first noted 3/7; also for morning service in Indonesian s/on 2315 to past 0000. All at good level. (Padula & Willis-Australia).
- 9750 CHILE R. Minería; 2100-2145 SS w/EE pop mx & SS announcers (Gain).
- 9750 ALBANIA R. Tirana; 0000 EE YL nx & cmntry. Very good signal (Hammer 9/1).

- 9750 USSR R. Moscow; 0230 EE nx, cntry, mx. V. Good signal (T. Smith 8/17).
- 9755 USA VOA (Bethany); 2330-0003 EE w/Interview with Barbara Ward (Bogel 8/28).
- 9760 GREECE V. of Greece; 0015-0030 EE ID, Greek & world nx into FF (Overcamp 8/28, Snyder 8/12). 0053 Greek mx. Good level (Conover 8/28). 0215-0230 EE ID, nx, etc. (McClure 8/18, Glazzy 9/6, Raper 7/8, Sheehan 8/13).
- 9760 GREAT BRITAIN VOA RELAY; 1700 EE nx, cntry. Fair signal (Cohen 8/28).
- 9765 GERMANY (WEST) DW; 0445-0500 GG ID, mx (Poppin 8/12). *2030 PP IS, ID to Africa, musical interlude to news (Ware 9/7). 2120 EE cntry on snails, ID (Beaudoin 8/1).
- 9768 KOREA (NORTH) R. Pyongyang; 1000-1049 EE nx, comment // 7203 (Zilmer 8/20).
- 9770 UNIDENTIFIED; 0316-0320 AA w/lang nx, believe its Yemen. QRM by Religious outlet prevented positive ID. (Davenport 8/8).
- 9770 AUSTRIA ORF; 0131-0155* EE nx, cntry, Id, Report from Austria, etc. (Sheehan 8/13, Gadouas 8/29, Snyder 8/12). 0231 EE Review of nx, announced // 6155 (Raper 7/14).
- 9770 AUSTRALIA R. Australia; 1220 & EE ID, IS, waltzing music, symphony mx (Poppin 8/27). 1335-1400 EE song by Cal Smith, tk on mx, orchestra mx, vocals, ID (Thompson 8/13).
- 9770 CUBA RHC; 0332-0345 SS pgm. Cuba's signal is so broad it extends to 9775 and covers Austria on 9765. (Earhart 9/8).
- 9770 HAITI 4VHF; 1230 EE w/Back to Bible pgm (Snyder). 1445 EE religious pgm (Snyder).
- 9770 USSR Vladivostok Radio; 0543-0800 ER ID, mx "I won't forget until my dying Day", "I'll Remember", etc. Ukrainian mx; 0700 R. Pacific; 0800 into Asian lang (Korean?) (Poppin 8/13).
- 9775nf USA VOA; 2128-2202* EE w/World Report part II //11760. Hrd every day (Zilmer 8/30).
- 9780 ALBANIA R. Peking; *0300-0354* EE ID, nx, tk on earthquake, tk of India Prime Minister & Third world countries, etc. (Poppin 8/19, Sheehan 7/16, Bishop 8/22).
- 9780 YEMEN ARAB REPUBLIC R. Sana'a; (t) 1955+ AA nx, then talk. Possible ID, QRM from Haiti (Snyder 9/5). 2300 AA nx, mx, lots of talking & laughing (Zilmer 8/31). *0256-0302 AA w/11 note flute IS, AA ID by OM at 0301, into chants. Heavy Tirana QRM at 0258 sign-on (Wegener 8/18). 0400-0425 mx, AA announcements by female, some musical numbers had vocal with solo plus a small chorus (Earhart, Bishop).
- 9805 EGYPT R. Cairo; 2200-2315* EE nx, spotlight, music request pgm, cntry. (Conover 8/28, Sheehan 9/7, Tomkewich 8/29, Hammer 8/6).
- 9815 ISRAEL IBA; *2000 EE, ID, Jerusalem Calling, Hit Parade (Thompson 8/17, Haas 8/24). 2030 FF ID, nx, cntry (Poppin 8/4). 2230 EE nx, cntry // 11625, 9435, 7412. (Tomkewich 8/29, Zilmer).
- 9820 KOREA (NORTH) R. Pyongyang; 2230 Korean nx, cntry, Id. Good reception (Tomkewich).
- 9825 GREAT BRITAIN BBC; *0015 IS, EE ID, broadcast in Burmese (Ware 9/7). 0314-0345 IS, ID in EE & said the broadcast would be in Persian. Persian tk, etc. (Thompson).
- 9835 HUNGARY R. Budapest; 0210 EE cntry (Hammer 8/6). *0300-0330* EE ID, nx, music request, sport review, etc (Glazzy 8/9, Stees 8/10).
- 9850 EGYPT R. Cairo; 1854 AA tk & mx (Gadouas 8/28).
- 9850 GREAT BRITAIN BBC; 0255-0302 ID & Beatles mx (Poppin 8/19).
- 9877 KOREA (NORTH) R. Pyongyang; *1800-1830 EE ID, nx, mx (Glazzy 9/6).
- 10040 VIETNAM VOV; *1300 EE nx, comment (Zilmer 8/18). *1800-1830 EE ID, nx, mx, Vietnam in Construction, Our Country (Glazzy 8/12).
- 10206 USA WWDC-FM; WWDC FM 101, Washington D.C. 0100 past 0500. Many station ID's as "WWDC Washington DC FM 101" and "DC 101", many ads. Required the use of sideband to make voice understandable. This was also hrd in San Jose by Doug Snyder. A strange catch whatever its cause. August 8 not heard since (Nebron).
- 11330 CHINA CPBS; 1158 CC tk by YL & OM, time signal 1200, EIR, more tk // 11290, 10245, 9064 (Osterman 8/25).
- 1505 CHINA R. Peking; 0700 CC w/good level (Willis-Australia).
- 1535 KOREA (NORTH) R. Pyongyang; 1140-1150* Japanese tk by YL. Chorus singing at s/off // 9510 (Zilmer 8/18).
- 1602 ISRAEL IBA; 2045-2240 Hebrew BS ID, nx, cntry (Schwartz 9/2, Hammer 9/3).
- 1625 ISRAEL IBA; 2200-2230 FF ID, nx, cntry, mx; 2230-2300 EE "Voice of Israel" pgm, ID, nx, comment (Poppin 8/4, Zilmer 9/6, Schwartz 8/30).
- 1630t EGYPT R. Cairo; 2355 AA classical mx, possible BS second pgm (cultural) relay? seems not // other R. Cairo frequencies (Osterman 8/17).
- 1645 ISRAEL IBA; 2000-2030 EE nx, Israel Press, talked about Ramadan; 2030 FF pgm. (Sheehan 9/1, Schwartz 8/30, Poppin 8/4, Thompson 9/2).
- 1672 PAKISTAN R. Pakistan; *1815-1820* EE w/5 minutes of nx during Turkish pgm // 9660 (Zilmer 8/18). 1833 chanting, mx, tk in lang by OM (Bryanica 8/8). 2100-2145* EE nx, cntry, pop mx to UK (Bishop 9/3, Camillo 8/22, Whitore 8/9, McIntosh).
- 1685 CHINA R. Peking; 1206-1220 EE nx, mx. Noise & pulsation propagation made understanding difficult (Earhart 8/30, Osterman 8/21). 2157+ w/fair fading signal with classical mx. 5 sec (1000 cycle) pip, 5 seconds silence, 2159 IS & s/on in lang. Not regular here. //11675 (Whitacre 8/9).
- 1695 BULGARIA CLANDESTINE Radio-w/ Peyk-e Iran; 1623 Farsi pgm sign/on with mx, ID's, male & female announcers (Butterfield 9/2).
- 1695nf LEBANON R. Lebanon; 2130 to past 2200 AA chanting & singing. Mx w/chorus (Zilmer).
received so many reports this month, I had to ask for an extra page. Fantastic! 73, 74

Log

• Ed. Sec-D:

David L. Walcutt,
420 Fullerton Pkwy.,
Apt. 315,
Chicago, IL. 60614



Report

11701+ kHz.

Teaching a new course and other assignments have overloaded me and given me less time to properly edit LR-D and insure that it will meet our publication deadlines. Rather than take the chance that I would miss a column, I have decided to relinquish the editorship. Fortunately, Dave Walcutt is able to take over the position with rather short notice. With his DXing experience and your continued support, I foresee excellent Section D columns.

Thank you to all who have contributed during the past year. It has been fun to edit your contributions, and I hope that I have been helpful to you in hearing and verifying new countries. Let's give our support to Dave in the months ahead. Best of DX and

73s. Tom

- 11705 FRANCE RFI; 2122-2131* FF, i.s. at s/off (Earhart 8/13)
11705 JAPAN NHK; 2345-0045, replacing 15270 for regular pgm to N.A. // 15300 (Miller 9/5, Zilmer 9/6)
11705 SWEDEN RS 0230-0300 & 2300-2330 EE (6 reporters). However, this freq rep. by 6045 for 9/5-11/7 per SCDX - ed.
11705 NEW ZEALAND RNZ; 0300-0440* EE, variety & pops (6 reporters)
11710 ARGENTINA "RAE"; 2300-2345 EE, Argentine mx, mailbag pgm on Tues. (7 reporters); 2350-2355 SS tlks, M (Miller 9/4)
11710 NEW CALEDONIA R. Noumea; 0555-0610 FF, pops (Wisblood 9/2)
11715 SWITZ. SBC; 0145-0215 & 0430-0500 EE; "Dateline", "Sw. SW M-G-R"; 0500 II (Thompson 8/28, Poppin 8/14, 8/4).
11720 USSR-(ASIATIC?) RM; 0400-0408 EE, nx to WCNA, good (Lineback 9/1)
11728 PHILIPPINES R. Veritas; 0230 EE heard well (Willis-AUST n.d.).
11730 HOLLAND RN-Lopik; 2130-2230 EE to N.A. // 9715; good (Earhart 9/7, Woltman 9/6, Davenport). Has Sunday DD on 11730 to N.A. -ed
11730 MALAGASY RN-Madagascar; 2000-2120 EE, exc. today (Conrad 9/8)
11740 INDIA AIR; 2200 EE, nx, poor, //9525 (Zilmer 8/21) /9/6
11745 KOREA (SOUTH) R. Korea; 1010 EE, mx, F ann nx, more mx (Woltman)
11750 JAPAN APRTS-FEN; 0630-0702, EZ-listen mx, 0700 nx (Wisblood 9/2)
11750 MALAYSIA BBC-Tebrau; 1455-1615*, W.Sve. (Bogel 8/25 Thompson 8/16)
11760 CUBA RHC 1433-1458, SS, non-stop classical mx, little tlk (unusual for this stn! -ed)(Hall 9/4). *2200 SS (Ware 9/6)
11775 SPAIN RTVE-RNE; 0000 & 0230-0300 SS, tlks w/M+W, orch. mx and vocals; nx, ids, guitar mx. (Thompson 9/1, Thunberg 8/12)
11780 BRAZIL R. Nac. Brasilia; *2100 EE. Fair signal until 2105 when BBC tun. sig for 2115 pgm completely QRMs (Earhart 8/30 McClure 7/24)
11785 BRAZIL R. Guaiba 0000; PP, nice slow pop mx. Fair. (Zilmer 8/30)
11785 GERMANY (WEST) DW; 2110-2120*, Maghribi, def. id. (Earhart 8/30)
11789 INDONESIA VOI-Jakarta; *1400 "This is the VOI" (McClure 8/11). EE at 1130 w/nx & cmtry, then popular songs & jazz. Probably FF at 1300-1400 & def. AA at 1500 + w/chants. Poor to good signals. (Bogel 9/1, Poppin 8/29, Wisblood 9/2, Osterman 8/21, Miller 8/29, Nicholson 8/22, Camillo 8/29, Nikelich).

- 11790 NETH. ANTILLES TWR; 0150, SS, IDs, pgm of SS mx (Ware, 9/7).
 11795 RWANDA DW-Kigali; 2350-0006, GG, interview, songs (Poppin, 8/13)
 11800 CANARY ISLANDS RTVE-Tenerife; 2255, i.s., s/on ID, nx; SS; //15365 (Bishop, 8/29).
 11800 ETHIOPIA ETLF; 0528 w/EE ID; evangelical (Hauser, 8/29).
 11800 ITALY RAI; 2049, chirps; 2051 theme & opening to Australia, II; also hrd around 2030 in Arabic on this freq (Hauser, 8/29).
 11800NF NETH. ANTILLES TWR; SS ID, mentioning 800 kHz (Hauser, 8/27).
 11805 BRAZIL R. Globo; 2345 PP, tlk, mx, ads, jingles; fair; //6035. (Zilmer, 8/28). 0200, "R. Globo noticias" (Ware, 9/7).
 11810 ALGERIA RTVA; *0600FF, ex-AA for this freq (Willis-AUST).
 11810 CHILE R. Nac. de Chile; 1200 EE "Voz de Chile", P (Zilmer 8/28).
 11810 ITALY RAI; 0007-0017 II, songs & mx, Exc. (Poppin 8/13).
 11810 MONGOLIA Ulan Bator; 0630-0645, lang; R. Moscow theme, is this relay of Soviet Mongolian broadcast?? (Poppin 8/22). Probably -ed.
 11810 SPAIN RTVE; 1730-1800 AA, chanting, M&W said nx (Snyder 9/6).
 11815 NETH. ANTILLES TWR; 1222, "DX Special", Al Stewert (Conover 8/15).
 11815 POLAND Polish R.; 0200-0230 & 0300-0330 EE; 0334 PL (hi); "This Week in Poland" Monday GMT (Hall 8/5, Raper, Thunberg 8/16).
 11822V ALGERIA RTVA; 0600 AA; drifting (Willis-AUST).
 11825 SOCIETY ISLANDS R. Tahiti; 0200-0500 FF & Tahitian (5 reporters).
 11825 TAIWAN VOFC; 0230 FF; 0542-0617 CG (Leffler, Poppin 8/22).
 11830 CLANDESTINE Voice of the Malaysian People; *1245, Malay, W tlk, chorus mx; poor; //15790 (Zilmer n.d.).
 11830 ETHIOPIA ETLF; 2005 EE, rel tlk, pop rel mx, to 2030 (Miller 9/9)
 11830 GERMANY (EAST) RBI; 0330-0430 EE/GG. Poor. (Gesell 6/24).
 11830 USA VOA-Dixon; 0005 EE, nx on Africa (Ware 9/7).
 11835 ECUADOR HCJB; 0330-0400 RR; 0400 RM; hymns etc. (Thompson 9/1).
 11835 HAITI 4VEH; 1230-1400 & 1930-2000 EE; 2000 SS. Good/Fair. "Mx along the way" req pgm 1230 (McClure 8/11, Snyder 8/12, Schneck 9/6, Beaudoin 8/1, Poppin 8/29).
 11835 SRI LANKA SLBC; 1510-1530 Sinhala, local mx w/YL announcer. Heavy fading made copy rough. (Mayer 9/5).
 11835 URUGUAY R. El Espectador; 0131 SS. Mostly ads! Fair. Mentions of Montevideo, Rio de la Plata (Bryanica, Wegener, Miller; 8/10-9/5).
 11840 POLAND R. Poland; 0300 EE, good carrier bad audio (Tomkewich 7/13).
 11845 KUWAIT R. Kuwait; 1718-1933 EE, to Europe, nx, pop mx. Usually quite good signal (Cohen 8/28, Schwartz 8/15, Snyder 8/15, 8/25). 1730 cmntry on Ramadan Koran readings (McClure 9/5).
 11850 KOREA (SOUTH) R. Korea; 0409-0430 EE; 0430 KK. "Listeners' Call" program 0415 Sunday GMT (Gesell 8/8, 8/11; Poppin 8/22).
 11850 NORWAY R. Norway; 1800 EE "Norway this Week", Fair (Zilmer 9/5).
 11855 USA WYFR-Scituate; 0020 SS, "La Biblia Habla", (Ware 9/7).
 11857T CUBA RHC; 1800 SS; they were between RCI 11855 & R. Korea 11860. (Stauner 9/4). From RHC anything is possible... - ed.
 11860 KOREA (SOUTH) R. Korea; 0420 EE to 0430 KK; 1000-1030 EE; 1800-1830 EE; 1830 KK. N.A. Sce. good signals @ 1800. (7 repts).
 11860 NORWAY R. Norway; "Sunday" EE pgm (Mon. GMT) to N.A., 0000-0030. Nx & views, pop mx, "Norway This Week" (Haas 8/16, Sheehan 8/16, Zilmer, 9/6). This freq appears moved to 11870 now. -ed.
 0100 NN, ID in EE, good (Conover 8/3).
 11865 BRAZIL R. Clube Pernambuco; 0125 PP, DJ tlk most of the time, some ads; DW-Malta i.s. underneath (Ware 9/7).
 11870 AUSTRIA ORF; 0100 GG, txmsn to S.A., poor (Conover 8/15).
 11870NF NORWAY R. Norway 0000 EE to N.A. (cf. 11860) (Zilmer 9/6).
 11870 SWEDEN R. Sweden; 1420 EE //17730, 15305, 15240. P (Walcutt 9/19).
 11875 JAPAN RJ; 1230-1300 RR, ID, cmntry; vl mx (Poppin 8/29).
 11875 USA WYFR-Scituate; 2200-2207 EE (Conrad 9/8). Per mid-month DX Hotline and A. Miller, WYFR plans to move to Florida soon - ed.
 11880 SPAIN RTVE-RNE; 0055-0300 EE, "Panorama" (Thompson 8/17, Sheehan 8/14, Raper 7/7). 0048-0102 single note celest chime repeated for eleven minutes!! (Poppin 8/10).
 11880 TURKEY TRT; 2200-0030 EE; 0428+ TT, 2020-2030 TT; 2205 Review of Turkish Press, 2235 letter pgm, 2330-0000 mx pgm (9 repts); 0430 and 2020 Turkish mx and songs, little tlk (Earhart 9/6 Poppin 8/22).
 11885 BRAZIL R. Ipanema; 1005 PP, ex-R. Mauá, now IDs as "uma Emissora Radiobrás" implying it's nationalized. Good (Hauser 8/17).
 11890 FRANCE RFI; 1900-2330 FF, pops & nx (Conover 8/14, Poppin 8/13).

- 11890 GERMANY (EAST) RBI; *0330-0415 EE, //11840 (Thunberg 8/13).
 11890 SOUTH AFRICA R. RSA; 2230-2320 EE to N.A. ex-11890. Fair. (Zilmer 9/5). *0615 EE to W. Afr. (Osterman 8/23). 1845 GG (Ware 9/6).
 11905 ITALY RAI; *0140 II, IS & ID, news (Ware 9/7).
 11910 ETHIOPIA ETLF; 0034 EE w/ID, nx, cmntry, fair (Butterfield 8/25).
 FF into EE at 1945 w/nx & cmntry (Hall 8/31, Miller 8/29, Ware 8/29).
 11910 HUNGARY RB; 0441-0459* HH, 1030-1035 EE (Poppin, Camillo). /16).
 11935 PORTUGAL R. Portugal 0235-0250 EE, world nx, much co-channel
 QRM from RHC (Kay 8/11).
 11940 BELGIUM ORU; 1730-1800 EE "Brussels Calling" (Conover 8/29).
 11940 KUWAIT RK; 1800-1820 AA Koranic chanting (Wiseblood 9/7).
 11940 LIBERIA ELWA; 1915-2045 EE, rel. pgms (Camillo 8/15, Snyder 9/6).
 11940 ROMANIA R. Bucharest *0400-0430* EE, ID, nx, congratulations to
 Romanian gymnasts, cmntry, mx (Glazzy 8/26).
 11945 CHINA R. Peking; *0000-0050*, *0100-0150* EE (Aston 9/8, Ware 9/7).
 11945 LIBERIA ELWA; 2045 EE, summ'y Liberian nx, fair (Butterfield 8/27).
 11950 LIBERIA ELWA; 1700 EE, QRM, poor (Bishop 8/20).
 11960 USSR "R. Kiev" 0030-0059 EE (Poppin 8/21). "R. Yerevan" 0323-
 0328, EE tlks; R. Moscow at 0330, fair (Rude 8/20).
 11965 SPAIN RTVE-RNE; 2215-0130 SS for North & Central Am. Tlks,
 "Diario Hablado", vocal mx & orch (Thompson 8/28, Gaffin 8/29).
 11990 CZECH R. Prague; 1817 EE pgm to Africa (Ware 9/6). 0100 EE
 magazine program (Bishop 8/17).
 12000NF LIBERIA VOA-Monrovia; 1635-1700 EE, recordings of pop mx.
 letters from Ghana, "Report to Africa" (Thompson 8/18).
 12020 USSR RM "R. de la verdad" *0100-0130, vry good (Krueger 8/18).
 12030 VIETNAM VOV; 1300 EE, nx, comment, mx //10040; fair (Zilmer 8/18).
 12045 ISRAEL IBA; 2230-2300 EE, mx&song, poor reception (Poppin 8/9).
 12055 CHINA RP 0123-1033 (CC? -ed), nx & piano mx, //12015 (Hall 9/4).
 12090 UNLD 2131 lang., IS, flute "Rrapo Lima" repeated four times,
 flute before & after, sounded like GG (Conover 8/8).
 12140 ROMANIA R. Espana Independiente; 1740-2340 SS, tlks, poor,
 jammed (Butterfield 9/2, Hammer 8/13, Nikelich n.d., Gadouas 8/24).
 12175 ICELAND Reykjavik R.; 1020-1105 (EE?), orchestral mx to 1100+,
 presume V. of Iceland pgm (Whitacre 8/13). Nice logging, Bill -ed
 13250A VENEZUELA R. Euzkadi; 2101 SS end nx, IDs in SS, Basque, anthem,
 2102 off; back 2130, IS, IDs in SS, EE, FF & Basque; lesson in
 history in SS; soon hit by jamming (Hauser 8/28).
 15060 CHINA RP; 0000-0350 EE, nx, cmntry, Mao, mx (6 reporters).
 15080 CHINA RP; 0100 SS, fair (Schwartz 9/2, Ware 9/6).
 15085 EGYPT R. Cairo; 1630-1900 AA, Arab & Western mx, sexy YL tlk,
 M announcer gave IDs; good (Trautshold 8/21).
 15095 CHINA RP; 0112 CC, fair-good (Ware 9/6, Schwartz 9/2).
 15100 GERMANY (EAST) RBI; 2029 GG s/on into ?? (Beal 8/6).
 15105 FINLAND RF: one day only! 1330-1401 EE, "It's Saturday", (Cono-
 ver 9/4). What a difference in not having HCJB splash! (Zilmer 9/4).
 15105 SPAIN(?) R. Liberty; *2200; as soon as the IS & s/on in RR was
 over the jammers started tuning, causing hets (Whitacre 7/19).
 15105 GRENADE R. Grenada; 2005-2200* EE, ads for men's suits, poor due
 to HCJB QRM (Hancock 8/24); mix w/NHK til latter off 2130* (Ni-
 cholson 8/22); 2005 Happy Birthday wishes (Overcamp 9/3); pop
 mx and id, poor-fair reception (Ware 9/5).
 15110 FINLAND RF; EE at 1330-1400 & 1430-1500; FN at 1600 (7 reporters).
 15110 ISA WYFR-Scituate; 1358 EE to Eu/Naf w/ID, anmts, nx at 1400,
 rel. pgm; rarely hrd in FE (Junqua-JAPAN 7/18). Good catch! -ed.
 15120 NIGERIA VON; 1801+ Afr. vocals; 2035 FF tlks (Beal 8/6,
 Shingler 8/21).
 15125 GERMANY (EAST) RBI; 1200-1230 EE, nx, cmntry, mx (Camillo 9/6).
 15125 SOUTH AFRICA R. RSA; 1030-1045* Afrikaans pgm to Antarctica,
 scheduled from 1000 Sundays; tlks, mx (Hauser 8/29).
 15130 NEW ZEALAND RNZ; 0200-0450* EE, mx, wx; sports (9 reporters!).
 15135 GERMANY (WEST) DW; 1650-1715 AA/EE to W. Afr. (Beal 8/28).
 15140 SWITZ SBC; 1315-1345 EE, press rev., "Dateline" (6 reporters).
 15145 BRAZIL R. Jornal do Comercio 2035-0042 PP, soccer (Ware, Poppin).
 15150 CHILE LV de C; 2148-0119 w/ RR, AA, SS, EE, (10 reporters).
 15160 USA Voz de OAS-Bethany, 2346 SS, ID (Overcamp 9/3).

- 5165 DENMARK R. Denmark; 1328 DD pgm to Greenland w/ IS & EE ID, fair (Jones 8/15). 1613 DD tlks, good (Bryanica 8/8).
- 5165 VATICAN VR; 1520-1530 EE, rel svc to S. Af, fair, //17825 (Mayer 8/20).
- 5167 BRAZIL Ceara R. Clube 2140-2200 PP, IDs & comms, pop mx, etc., fair until VOA at 2200 in FF providing large net (Whitacre 8/9).
- 5170 SOCIETY ISLANDS R. Tahiti; 0000-0437 FF/TT, variety (9 reporters).
- 5175 EGYPT R. Cairo; 1432 w/ Arabic chanting (Ware 8/8).
- 5175 NORWAY R. Norway; 1810-1830* EE, spoke of hunting seasons soon to open; //11860 (Ravenhorst 8/22); 1405 EE, said Norway unaffected by Europ. drought (Schwartz 8/22); good 8/15 (Jones 8/15).
- 5185 USSR RS P&P; 1230-1300* EE (McClure 9/6, Aston 9/6); 1530-1600* EE, nx, tlk exploitation by imperialists (Hancock 8/12).
- 5190 BRAZIL R. Inconfidencia; 2230 PP, faint (Ware 9/5).
- 5190 CONGO REP. RTVC; 2055 FF, ID "Révolution, révolution, RTV Congolaise" (McClure 8/1). (A total of 7 reporters for this one).
- 5205 MOROCCO VOA-Tangier; 1800, features in special Eng (Cohen 8/29).
- 5210 USSR "R. Kiev"; 0030-0058 EE, nx, several IDs, mx, features about Soviet Union e.g. football, Olympics (Poppin 8/9, Thompson 8/18). 0211, RM relay site is Petropavlovsk Kamchatskiy (which is Kazakh SSR -ed.) per QSLs & WRTVH (Conover 8/10).
- 5220 SOUTH AFRICA R. RSA; 1310 EE, poor (Aston 9/6); EE at 1456*, then back on in Swahili with ID (Ware 9/5).
- 5225 TUNISIA Rdf. TV Tunisienne; 1900-2310 AA; 2030 AA drama w/ M&W on Nat'l Svc relay (Beal 8/7); 1907-2200, nx, EE ID, M&W anncr, readings from Koran (Ravenhorst 8/22); AA tlks, mx, and chanting (Bryanica 8/15, Conover 8/10, Trautschold 8/22, Ware 8/25).
- 5230 CUBA RHC; 1350 SS, 1659-1759 SS into mx pgm to 1715* (Cohen 8/24, Davenport 8/8). On 9/18 at 1700 IDs in FF, SS, & AA, to Medit.-ed.
- 5240 YUGOSLAVIA R. Belgrade; 1544 EE, nx by W anncr, light classical mx, IS, sign-off at 1600; //11735 (McClure 8/22).
- 5245 ZAIRE LV du Zaire; 1645-2050 FF/vern., fair (Beal 8/7, Trautschold 8/21); 2000 FF pgm possibly fr Un. students (Nicholson 9/4).
- 5270N UPPER VOLTA LVR; 0555-0600 FF, definitely Upper Volta - complete ID "Ici la Voix de la Renovation"; not VOA; fair (Schwartz 8/26).
- 5270 TAIWAN VOFC; 2300-2330* KK, tlk, mx, poor (Zilmer 8/20).
- 5280 USA KGEI; 2215 SS, ID, mx, tlk, to Latin America (Ware 9/5).
- 5290 MALAYSIA R. Malaysia; EE at 0635; it seems to alternate with 9751 for this time period (Willis-AUST).
- 5290 PHILIPPINES VOA-Tinang; *2200 EE, ID w/site (Cohen 8/29). 0049 EE, mx, nx (Conover 9/2). 2335-004 EE "Breakfast Show", poor (Earhart 9/6, Hall 9/1).
- 5300 FRANCE RFI; FF before 1600 when goes into EE "Paris Calling Africa"; latter // 11845, 11930, 15155, 15315 (Zilmer 9/5, Earhart 9/6, Ware 9/5, Glazzy 8/21). 1408 EE, relay of France-Inter "mini newflash" for tourists, saying next one would be at "9 o'clock tomorrow morn" (0700 GMT) (Hauser 8/29).
- 5300 JAPAN RJ; 2345-0045 EE to N.A., fair (Aston 9/8, Schneck 8/25, Snyder 8/19). Not //15270, latter now 11705 again -ed.
- 5305 SWEDEN RS; 1400-1430 EE to N.A. (Thunberg, Schwartz, Sheehan).
- 5310 BULGARIA R. Sofia; 2100 EE, nx, local mx (Zilmer 9/5).
- 5310 ECUADOR HCJB; 1711-1721 RR, hymns & rel tlks, fair (Earhart 9/6).
- 5315 LIBERIA VOA-Monrovia; *1830 FF, IS, ID, nx (Ware 8/26).
- 5320 AUSTRALIA RA; 0100-0200 EE to N.A. (5 reporters). Mailbag greeting to NASWA member Bob Underdown (Nebron 8/16). 0440-0503 FF DJ pop mx pgm with FF & EE tunes (Bogel 9/4).
- 5321 NETH. ANTILLES RN; nom. 15320, letting RA carrier on 15320, apparently deliberate, and 15220 also offset to 15221 (Hauser 8/25, Walcutt 7/25). And both offsets still in effect -ed.
- 5325 PAKISTAN RP; *0200 EE ID into Bah. Indonesia pgm (Brooks n.d.).
- 5325 UGANDA Uganda BC Corp; 1800-1900a EE, tlk, mx, nx, rock mx, then FF at 1900 with IDs & 1903* (Schneck 8/24, Wegener 9/4, Bishop 8/25).
- 5330 MOROCCO Rdf TVM; 1200 AA mx, tlk, //15360, poor (Zilmer 8/29).
- 5335 AUSTRIA ORF; 1830-1900 EE, nx to Europe, "Chinese restaurants in Vienna" on 8/13 (Zilmer 9/6, Conover 8/13).
- 5345 ARGENTINA R. Nacional; 1540-1601 SS, 1600 ID, poor (Earhart 9/6).
- 5345 GREECE VOG; 1215-1230 EE, nx (Camillo).

- 15345 NORWAY R. Norway; 2200 EE, weaker than //15175 (Zilmer 9/5).
 15345 TAIWAN VOFC; 0335-0350 EE, Chinese songs in pop form (Poppin 8/22)
 15350 ZAIRE La Voix du Zaire; ff; 1555 Afr mx, FF w/Afr. accent (Schwartz 8/23); 1843-1920 Afr. mx, IDs (McIntosh n.d.); 2035-2145 singing, alternating tlks & mx (Snyder 8/17); 2330 string music, fair signal (Bryanica 8/12).
 15355 PORTUGAL RFE; 1540-1600 Czech, pop mx, R&R mx (Falkenhan n.d.).
 15360 MOROCCO Rdf TV Marocaine; 1340-1600 AA, tlks, chants and mx (Beaudoin 8/24, Falkenhan).
 15365 CANARY ISLANDS RTVE-RNE-Tenerife; 0330-0400 SS to L.A., IDed as "Tenerife RNE" numerous times (McClure 8/5). 2148 SS, ID, tlk by M&W, relay for L.A. (Ware).
 15375 UNID 1250 tone tests (Hauser 8/28).
 15385 ITALY RAI; *1400 IS into Italian pgm; QRM (Cohen 8/24). *1830-1845 "Atenzione Montreal atenzione Toronto" (Gaffin 8/28).
 15385 MEXICO R. Mexico; Mexican mx & songs, SS (5 reporters).
 15400 VENEZUELA R. Nacional (cf. 15447); 2200-2229 EE, tuned into cmntry by M, IDs in EE & SS, "News & Views from Venezuela", annncd 6170 & 15390, songs in SS & FF, into SS at 2229 (Overcamp 8/31). SS pgm 2229+ w/ pops, many IDs, nx (Whitacre 9/2, Beal 8/10).
 15410NF AUSTRALIA RA; 0044 EE; not here next day (Conover 9/1).
 15420 ALGERIA R. Algiers; 2143-2200* AA, continuous AA mx (Conover 8/8)
 15420 CYPRUS BBC relay; 1700 EE txmsn to East Africa (Conover 8/29).
 15425 SRI LANKA SLBC; 0105-0200 EE, records, rel. pgm, nx, poor (Ostermann 8/12, Conover 8/8).
 15425 TAIWAN VOFC; 0205-0330 EE, nx of Asia & Taiwan, mx w/ sad story about wandering Chinese, poor (Hancock 8/14). CC mx, historical talk, piano & orch mx, requested rec. reports (Thompson 8/13).
 15447 VENEZUELA R. Nac; 2217 EE, not on 15400 today only (Zilmer 8/25).
 15455 USSR-Simferpol 1732-1840 "Mayak" IS, TC, poor (Brookwell 8/15).
 15475 EGYPT R. Cairo; 0630 AA ID, good (Willis-AUST).
 15512 ISRAEL IBA; 0630 & 1830-1840 w/ Home Svc. relay, good/excellent (Willis-AUST n.d., Trautschold 8/22).
 15515 PAKISTAN RP; 0635, solid mx for half-hour (Willis-AUST).
 17665 PAKISTAN RP; 1640-1645* EE, nx (Nicholson 8/31, Osterman 8/12).
 17695 GREAT BRITAIN BBC; *1430 Somali, EE ID @ s/on (Ware 9/5).
 17700 HOLLAND RN-Lopik; 1915-1950* EE "Happy Station" (Kay 8/15).
 17700 USSR RM; *0100 RR?, fluttery signal suggests Asian site (Nicholson 8/14); 1330-1400 EE, cmntry, mx, to Africa (Ware 9/5).
 17720 CUBA RH, 1715 FF, M&W tlk, ID, fair (Trautschold 8/23).
 17720 USSR RM; 0100-0130 EE, nx, mailbag (Conover 9/2, Thompson 8/22); "Radio Kiev" 0030-0058 EE (Thompson 9/1).
 17720 FRANCE RFI; 1430-1700 EE, FF (Ware 9/5, Zilmer 9/5, Stees 8/25).
 17795 AUSTRALIA RA; 0135-0240 EE, good, //17870 (Snyder, Thompson, Hynes).
 17800 TAIWAN BBC; *1059 EE, 1115 Indonesian, 1303 CC (Hauser 8/29 & 21).
 17815 ISRAEL IBA; 1830 RR? IS & ID (Beal 8/9).
 17820 USA VOA-Dixon; 2350-0000* EE, "Breakfast Show", // 15290 which is VOA-Tinang (Earhart 9/6)
 17825 JAPAN RJ; 0140 EE, nx & cmntry, weak, // 17725 (Osterman 8/5).
 17830 GREECE VOG; 1515-1530 EE, nx (Camillo 9/6).
 17855 LIBERIA VOA-Monrovia; 1838, jazz mx (Beal 8/10).
 17865 ASCENSION IS. BBC; *1415 PP nx bulletin (Ware 9/5).
 17870 AUSTRALIA RA; 0100-0130 EE, pops (Thompson 9/1).
 17880 PORTUGAL R. Portugal; 1715-1725 EE, poor, fade out (Sheehan 8/15).
 17885 USSR-Vinnitsa RM; 1800 w/IS into nx & Afr. mx (Brookwell 8/18).
 17890 EGYPT R. Cairo; 1833 EE, 1844 AA mx & nx (Hall 8/11).
 17890 TAIWAN VOFC; *0200-0344 EE, nx, mx, cmntry, poor (Glazzy 8/13, Osterman 7/24).
 17900 VATICAN VR; 1712-1715* EE, tlk, mx (Osterman 8/8).
 21535 SOUTH AFRICA R. RSA; 1600-1614 EE to E. Afr. & Mid East, nx, cmntry, poor (Osterman 8/16).
 21710 GREAT BRITAIN BBC; 1507 EE, nx, cmntry, poor (Osterman 8/22).

So that's it for this month! Tom, you did a fine job over the past few months, as the 530 items submitted for the above "D" Section show! Had to edit quite a few unfortunately to fit... 73's and the best, Dave

• **Distr. Editor: Greg Ravenhorst**

Rural Route, Hollandale, MN. 56045

We had 69 reporters this month. Let's make it alot better next month!!!

- Donald ASTON, Rocky River, OH (SPR4)...Hobart BEAL, Walla Walla, WA (SB-313)
- SSR-1)...Robert BEAUDOIN, Bridgeport, CT (R-388)...Gerry BISHOP, Christiana, PA (DX-160)...Bill BOGEL, Santa Barbara, CA (RF-1150)...Larry BROOKWELL, San Diego, CA (R4B)...Jim BRYAN, Tracy, CA (SPR4)...Robert BUTTERFIELD, Belmont, MA (HQ-100/BC-221)...Roy CAIN, Monroe, LA (DX-160)...Michael CAMILLO, Brooklyn, NY...Jon CHICKY, Jensen Beach, FL (NC-240D)...Jon COHEN, Willingboro, NJ (SW-717)...Jack CONOVER, Pittsburgh, PA (SPR4)...James CONRAD, Waterloo, IA (HQ-160/XCR-30)...Kent CORSON, Dubuque, IA (HQ-200)...Geoff COSIER, Burwood Victoria, Australia (Trio 9R5DS/Sony CRF160)...William DAVENPORT, Nashville, TN (DX-160)...Kenneth EARHART, Allentown, PA (DX-150/SX-190)...Aaron GADOUAS, St. Albans, VT (DX-160)...Adam GAFFIN, Brooklyn, NY (SSR-1)...John GESELL, Tucson, AR (SX-130)...Mike GLAZZY, San Jose, CA (SX-130)...David HAAS, Woodcliff Lake, NJ (AR-3)...Mark HALL, Stony Point, NY...Dave HAMMER, Columbus, OH...Editor Glenn HAUSER, Knoxville, TN (HQ-160)...Chris HYNES, Erie, PA...Jack JONES, Jackson, MS (DX-160)...Gib JUNQUA, Osaka, Japan (R4C)...Kay LEONARD, Oceanside, NY (DX-160)...Larry KLASSMAN, Wilmette, IL...Terry KRUEGER, Casselberry, FL (QR-666)...Irving LEPFLER, Brooklyn, NY (DX-160)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...James McCLURE, Lexington, KY (SX-190/R390A)...Robert McINTOSH, London, Ont., Canada (FRG-7)...Pete McLAUGHLIN, Dover, DE (SPR4/Loyds)...Publisher Alan MAYER, Park Forest, IL (SPR4)...A.A. MILLER Jr., Youngstown, OH (HRO-500)...Editor John MORITZ Jr., Youngstown, OH (HQ-180)...Larry NEBRON, Daly City, CA (SX-190/SW4A)...Vern NICHOLSON, Toronto, Ont., Canada (DX-160)...Sydney OSTERMAN, Toronto, Ont., Canada (FRG-7)...Tom OVERCAMP, Seneca, SC (SP-600/BC-221AK)...Steve RAPER, Cedartown, GA (SX-100)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...Eric RUDE, San Pedro, CA...Hans SCHELKE, Marietta, GA...Bob SCHNECK, West Newton, MA (SPR4)...Richard SCHWARTZ, Dover, DE (SX-190/S108)...Editor Ed SHAW, Lexington, KY (SP-600/R390A)...Chris SHEEHAN, Toronto, Ont., Canada (9R-59D)...Dan SHINGLER, St. Clair Shores, MI (DX-160)...Todd SMITH, Wilton CT (GR-64)...David SNYDER, Brooklyn, NY (DX-160)...Dan STAUNER, Madison, WI (DX-120)...Robert STEEs, Halifax, PA (DX-160/Sears port)...Glenn THOMPSON, Deming, NM (HQ-145A)...Robert THUNBERG, Dubois, PA (SSR-1)...Michael TOMKEWICH, Winnipeg, Man., Canada...John TRAUTSCHOLD, Menomonee Falls, WI (SP-600/SB-310)...Kevin TURNER, Marietta, GA ((DX-160)...Lauren WARE, Fairfax, VA (DX-160)...John WEGENER, Godfrey, IL (DX-150A)...Bill WHITACRE, Lansing, MI (R4B/SX-96/SPR4)...Mike WILLIS, Hampton, Vic., Australia (Trio 9R59DE)...Steve WISEBLOOD, Santa Maria, CA (M660A)...Frank WOLTMAN, Cambridge, WI (DX-160)...Robert ZILMER, Milwaukee, WI (SPR4/R390A).....

HELPING HAND: Robert Butterfield has been working at the new edition of SPEEDX's "A Guide to Soviet Broadcasting", and says that DXer's who feel that they have useful information on Soviet broadcasting, transmitter sites home services, QSLs, etc., are more than welcome to send the material to: Robert Butterfield, P.O. Box 398, Belmont, MA 02178

HELPING HAND: Tubes Needed for National Company NC-2-40D reciever. Needed: One:183-0079, Two: 6SK7, Three: 6V6, One: 6SN7GT16, One:6J5, One:6K8, One: 6K7, One: 6SL76T/6, and One:6SK7 (Whew! that's a typefull!)Will make offer, Jon Chicky, Jr., 444 Skyline Drive, Jensen Beach, FL 33457 (305)-334-6028.

HELPING HAND: For sale. Gilfer A-20 Preselector, top shape. \$25.00 post-paid. Contact Al Sizer, 22 Country Way, North Haven, CT 06473.

HELPING HAND: For sale. Knight-Kit R-100A receiver. Like new, \$75.00 plus UPS shipping. Contact John M. Kapinos, 86 South Quinsigamond Avenue, Shrewsbury, MA 01545. Call 617/789-0378 after 2300 GMT. No collect, please

HELPING HAND: Wanted. AR-88 receiver or similar at a reasonable price. Have five year old Zenith Transoceanic Royal 7000-1 in good working condition and will consider for a trade. Contact Jim Pogue, P.O. Box 972, Lafayette, IN 47902.

HELPING HAND: For sale. Allied SX-190 w/crystal for 90 meter band, in good condition. Contact Bernard Lenouvel, 106 Lee Avenue, Toronto, Ont., Canada, or call 699-8538.

HOLIDAYS: Well, I've gotten through my one day of labor for the year, so I've got labor day behind me, and 364 days of rest ahead of me! hihihii!! For those of you not sure how to celebrate Columbus Day, why not go and discover a new country for yourself on your radio?! Also, remember that there are only 80 some days to go before Christmas, and old "Sandy Claws" is still trying to figure out who is going to get that 1 Zoe Tristan QSL this year!! So be rotten, so I'll get it! 73's, *Greg*

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION*POST OFFICE BOX 13*LIBERTY, INDIANA 47353 U.S.A.
Publishing **FRENDX** 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 Caribbean, 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 FRENDX, 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 FRENDX and DX HOTLINE are available for \$ 1.00

EXECUTIVE DIRECTOR—*Mac Leonhardt, P.O. Box 13, Liberty, IN. 47353*
PUBLISHER & MANAGING EDITOR—*Alan Mayer, P.O. Box 321, Park Forest, IL. 60466*
SHORT WAVE CENTER—*Jerry Lineback, P.O. Box 325, St. Joseph, IL. 61873*
QSL REPORT—*William E. Oliver, 45 Wildflower Road, Levittown, PA. 19057*
SCOREBOARD—*Myron Smith, 36 Ogden Center Rd., Spencerport, NY 14559*
DISTRIBUTING EDITOR—*Greg Ravenhorst, Rural Route, Hollandale, MN 56045*
LOG REPORT (A)—*Dan Robinson, Letts Hall, American Univ., Wash. DC 20016*
LOG REPORT (B)—*Sam Barto, 245 Cherry Ave., Watertown, CT 06795*
LOG REPORT (C)—*Tom Gavaras, 16920-17th Ave., N. Wayzata, MN 55391*
LOG REPORT (D)—*David Walcutt, 420 Fullerton, Apt. 315, Chicago, IL. 60614*
LISTENERS NOTEBOOK—*Glenn Hauser, c/o WUOT, Univ. of Tenn., 232
C&E Building Knoxville, TN 37916*
AWARDS CHAIRMAN—*Dan Henderson, 317 Brock Bridge Rd., Laurel, MD 20810*
COUNTRY LIST CHAIRMAN—*Don Jensen, 5204 70th Street Kenosha, WI 53140*
QSO/NASWA—*Ed Shaw, P.O. Box 7053, Lexington, KY 40502*
U.K. REP—*Alan Thompson, 16 Ena Ave., Neath, W. Glamorgan, Great Britain SA11 3AD*

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

U.S. POSTAGE

PAID

First Class Mail
Permit No. 10
Park Forest, IL. 60466

FIRST CLASS MAIL