

North American Short Wave Association

I R E N D X

SWBC NEWS 9-74



THE LOUDENBOOMER REPORT

Despite the things you may have heard, it simply is not true that the 1974 IWVCDXA Convention at Christopher, Ohio was streaked!

Actually, as these things go, the whole event was a rather quiet affair, which is only fitting for a city where most of the restaurants fold up their menus as early as 6pm.

There were a number of highlights at this meeting, including a rather large display of the more common items of equipment. I found this to be rather disappointing as I had hoped to view some things I hadn't seen before. Like a new Dasik XL-302 or a prototype of the new general coverage model being readied by Dickerod DX Products. A Mr. Bipple was there from the R.L. Brake Company, displaying their top-of-the-line model which does everything but write your reception report for you.

A Saturday meeting resulted in the tearing apart of the IWVCDXA bulletin to say nothing of club (read "Loudenboomer") policies. I assured everyone I would give full consideration to all suggestions received, but I seem to have lost the notes I took. I expect the hotel people enjoyed cleaning up all those torn bulletins too! Our editorial board was on hand, dressed in the purple and ermine robes of their office. Everyone was enthralled with their plans for the future.

Saturday night's Swiss steak dinner starred E.N. MacDistantplace of Radio Canada who spoke to us about his broadcasting career ("It all started at a little five thousand watt radio station..."), gave us an inside look at the workings of this giant operation and told us about plans for improving coverage via relays over Radio Centinella del Sur, Radio Sahara, IBP and the Polish Pathfinders station. MacDistantplace also played Santa Claus in July bringing gifts for all. With the hotel air conditioning system working so hard, we were all in the mood for Christmas anyway!

Getting back to the equipment for a moment, the conventioners were intrigued by the newly developed Acme Great Circle Calculator which I must admit is one of my developments. Acme is a company which manufactures and distributes my books and new line of DX aids. Using the Great Circle Calculator one can find the path from the North Pole to any other place on earth in just seconds!

Late Saturday night, world traveler Alan Broth hosted a gathering in his fifth floor penthouse suite. Broth served remarkable quantities of something called Sangria or somesuch. He was never seen without a large Phillips 66 map diagramming the rooms and furniture placement in the suite. It seems that he had been lost in the penthouse five or six times the previous night and thus, this wise precautionary measure.

I managed to dodge all the camera lenses and flashbulbs pointing in all directions. But even had I not done so, it is doubtful that the clever disguise I used could have been discovered.

Convention goers had the opportunity of winning ancient copies of "How To Tune The Earth", could enjoy free parking (but if you had a car your room was \$2 more!), purchase IWVCDXA stationery and learned that Radio Canada's 60 meter band frequency serves Canadian sailors in Liechtenstein.

We also heard the shortest speech ever given with a West Virginian accent and took home much more junk than we brought with us.

One late night clandestine meeting on Friday found four club executives discussing in hushed tones the defection of one of their editors who is apparently striking out on his own with the organization of a 120mb DX Club. It was not decided for certain just what to do about this although there were hints that the dreaded California Cadre might be consulted, or even hired. The editors are up in arms not only over the defection itself but because the errant editor never turned in his robe of office.

And there you have the main points of this year's "do." Stories made the rounds Sunday shortly before things broke up, that next year's affair will be a week long session to be held in David, Panama. Think you're up to it?

73,

Charlie

COVER PHOTO McMurdo Sound, Antarctica - first established by the U.S. Navy in 1955 - continues to operate with a "wintering over" crew each year in what is called the Navy's "Operation Deep Freeze". Armed Forces Radio has been operating recently on TV and sortwave radio with materials fed to them from Washington via New Zealand. Personnel from the nominal amateur MARS relay network have secured permission to operate on 6012 KHz with 5 KW. A new station, new country, new continent!!



SHORTWAVE CENTER



Edward C. Shaw
NASWA - WDX4EOV
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Lots of letters from the membership have been very complimentary lately, and I just want to take this opportunity to express appreciation. It has always been my desire to provide a wide assortment of entertaining or informative subjects. Apparently, we have been choosing just the right amount of each. Beginning with next month, Short Wave Center will be a bit smaller than usual. September begins the DX season with the celebration of Ramadan in the Islam religion. We can expect many Arab broadcasters to operate with extended schedules during those holy days in the latter days of this month. We do anticipate the Log Report to be somewhat larger, and for that reason we are relinquishing several pages to that section. Get your loggings in to Mac Leonhardt each month - and write to Mac for a supply of log report forms to use. It makes his job so much easier. 7/3 EA

HELP WANTED

Short Wave Center would like to have the assistance of several volunteers to research, develop, and write feature stories on certain broadcasters throughout the world. Volunteers to these projects would be expected to type their own work on special forms provided after any needed editing I would suggest for you. Please don't hesitate to contact me soon.

A REMINDER

Many persons have been dismayed to not receive a desired reply when writing to section editors of PRENDX or to any other correspondent for that matter. Please always include a return addressed and stamped envelope, and then allow sufficient time for answering. Believe me, the editors will appreciate it. Neither the club nor the editor could afford to answer all mail without return postage being supplied. Thanks

ATTENTION BARLOW-WADLEY'S

Owners of the Barlow-Wadley XCR-30 portable may one day find the technical manual for this receiver to be very handy. The service manual includes schematics, parts lists, and alignment instructions. Your check or international money order for U.S. \$2.00 should be sent to:

Mr. T. Dixon
Barlows Mfging Co., Ltd
P.O. Box 23
New Germany, Natal
Rep. of South Africa

Incidentally, the receiver was available directly from the factory as of late April 1974 for \$228 U.S. air freight, delivered in 14 days.

by David Walcutt
Roxbury, NY

IN THIS ISSUE

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SOLAR FLARES GIVE DX!

Where were you from 28 June through the first week in July? Space Environment Services Center in Boulder, CO proclaimed the flare as a large one of record-breaking proportions. During the flare, SW signals in the northern hemisphere and particularly nearer the pole were interrupted with radio noise. Reports from club DXers attested to great tropical frequency openings into Latin America and Africa during the duration of the week long flare. A-index soared to over 100. This subject has been much debated in DX circles the past couple of years.

SOME EAST OHIO DX PUBLICITY

Henry Rockwood of St. Clairsville got five columns and a photograph in the local News-Register last month. NASWA member Rockwood elaborated on the entertainment derived from foreign news. This kind of subject matter is usually welcomed by your local newspaper. Why not get in touch with them?

CONVENTION 1974

Columbus July 19-21 1974: The first annual NASWA convention was a fine success. Fifty-eight persons gathered together to see a great receiver display, meet old friends and new ones too, and to take part in some enlightening seminar talks.

The first evening was spent informally as conventionnaires arrived and checked in. The Neil House marquis over the front of the hotel proclaimed a big welcome to North American Short Wave Association.

Seminars subjects included our club and hobby and where they are going; plans for the bulletin; and pros and cons of propagation prediction attempts. A representative from Drake communications in Miamisburg, Ohio displayed the new DSR-2 receiver among a dozen other receivers brought by other attendees to the convention.

Convention hosts Bill Matthews and Randy Minnehan spared no effort in putting together a fine program, complete with special feature speaker at the Saturday night banquet - the renowned Ian MacFarland of Radio Canada International. Mr. MacFarland addressed the prospects of Radio Canada's future, explained some of their broadcasting policies, and told how he came to the position he enjoyed with RCI today.

A special plaque inscribed with appreciation to MacFarland was presented to him by NASWA's Executive Chairman, Dan Ferguson.

Special souvenir record albums, prepared for the EDXC convention in Europe, were presented by MacFarland to each convention attendee. Many door prize drawings were held which included giveaways of LP record albums, Canadian almanacs, WRTHe, How To Listen books, and one of Autek Research's Q-Boxes.

The banquet meal was delicious, although not quite what was expected, due to unforeseen expenses. And, many attendees will never forget the ultra-efficient air conditioning of the convention hall and banquet room.

As with other past conventions, many attendees gathered in Alan Roth's majestic presidential suite deluxe (with 2 baths) in the late evening hours to sip soft drinks or something better, and generally carry on the confusion until....

Some rumored words were whispered that Columbus would be a fine place to host the next ANARC convention, but we are also looking for a fine place for NASWA to converge on next year as well.

No convention could be complete without at least a mention of NASWA's own black sheep, Charlie Loudenboomer, who apparently could not make it to the convention this time, but did make his mark. Upon his arrival at the hotel, the first thing Dan Ferguson was told was that mail had arrived for him. Opening the package, Dan found a large multi-colored vinyl sphere inscribed with the greeting from Charlie L. "Have a Ball". So, we did.

SEE YOU NEXT YEAR?

 Photographs on facing page were taken by George Schnabel of Rochester, NY.

1. Dan Ferguson presents an appreciation plaque to Ian MacFarland.
2. Ian MacFarland addresses the convention banquet.
3. A bank of receivers was displayed for all to play with.
4. Small knots of DXers gathered to look over Larry Abraham's QSLs.
5. A view of one banquet table on Saturday night.
6. Drake's representative from Miamisburg, Ohio adjusts one of the sets.
7. Another table view at the Saturday banquet.
8. Dave Williams, most distant attendee from Oregon, daydreams of DX.
9. Jon Williams took his bride to the convention as a wedding present.
10. Convention host Bill Matthews and NASWA head Dan Ferguson at the dinner.
11. One of the seminar tables: Dan Jamison, Dan Henderson, Dan Ferguson, and Jerry Lineback talk about FRENKX bulletin and what is in store.
12. Larry Yamron, former QSL Report editor, watches fly float in pitcher.
13. Attendees in the convention hall.
14. Hadley Cress of Virginia bought a new R4C receiver while in Columbus.
15. Banquet night. Randy Minnehan (standing) herds everyone into place.



I REMEMBER WHEN...

by Jack Jones

The "Short Wave Craft" advertisement in the July FRENEX really did bring back some fond memories. After struggling along from 1930 to 1933 with a makeshift one-tube SW receiver (UX-201A), I finally saved enough to get the two-tube Doerle from Radio Trading Company. I was working at a local movie at the time (just out of high school) and believe me, the \$9.90 was lots of money!; plus what the tubes and batteries cost. As you know, 1933 was just about the worst year of the depression.

I believe the receiver was originally described in a 1931 or 1932 issue of "Short Wave Craft." The author's name I believe was Walter Doerle; hence the name. It proved so popular that Radio Trading Company started making them in late 1932 or early 1933. The circuit was a simple and straight forward regenerative detector and one stage of audio, using two UX230 tubes. Four plug-in coils went from 1500 kHz to 22 mHz, and were color-coded green, brown, blue and red. It worked well. I heard VK2ME practically every morning on 9590 kHz (only we called it 31.28 meters in those days) All the Daventry, Zeesen stations, lots of HK stations from Colombia which later changed to HJ, were easily heard.

At that time the International Short Wave Club of East Liverpool, OH was about the only one in the world. Dues and subscription were \$1.00 per year, I think, and the magazine came out once a month. I recall the names of Cushen (New Zealand) and Baer (England) as contributors.

I think my crowning glory with it came Christmas Eve in 1933. There was a station in Santiago de los Caballeros, Dominican Republic, that was broadcasting a special Christmas program starting at midnight beginning Christmas morning. This program was announced in advance in ISWC magazine. I was there, headphones on, at the appointed time and I honestly heard them! Well enough to positively ID the station, hear the bells ringing and the Christmas music. The wonderful thing about it was that this station used 7½ watts of power; or so the information stated. All I know is that I heard them.

All my old QSLs of those days are long since gone. I quit DXing about 1935 and only started back last year. I'm really enjoying it. Wish I had my two-tube back to compare with a modern receiver.

MORE VAC-QRP

Have you veried all continents? Better write to Dan Henderson for info on how to get award certificates, or check credits page of June FRENEX.

To participate in the VAC-QRP column you simply make a list of your lowest powered catch of each continent; like the examples below.

Larry Abraham

No. Am.	Guatemala	2360	250
So. Am.	Venezuela	3255	1000
Europe	Iceland	12175	5000
Africa	Angola	5015	1000
Asia	Java - RRI	4932	10000
Oceania	New Britain	2340	2000
			19250

Marlin Field

No. Am.	Mexico XEJG	4820	200
So. Am.	Peru OAXIA	6700	200
Europe	Azores	4865	1000
Africa	Kenya	6170	250
Asia	Celebes Is.	4900	1000
Oceania	Papua/N. Guinea	3245	250
			2900

How about you? We'd like to see your totals here, too. We believe this is something to strive for. Send your VAC-QRP in to Ed Shaw today!

ANSWERS TO AUGUST ANAGRAM

* Tsk Tsk! Give up so soon? Surely
* you must have got one or two of
* the words. The unscrambled puzzle words were:

* DIODE
* SWITCH
* CERAMIC
* RESISTOR
* ALIGNMENT

* And, I'm ashamed of you if you did
* not figure out that CATHODE was the
* ode to Cathy. Watch for future anagrams. Also, a cross-word puzzle in the making. Other ideas?

* *****

IN MEMORIAM

William Eddings
Died: 23 Aug 72
after
ten years as
NASWA

Executive
Secretary



Digital Readout Deluxe Receiver

ANOTHER SUPER RECEIVER!! For those with \$500 or so to spare soon will have another receiver to consider. YAESU MUSEN CO., LTD of Tokyo, Japan, with United States representatives at 7625 East Rosecrans Avenue, Unit #29, Paramount, California 90723, has distributed its new brochure of equipment which includes a description of its new FR-101.

The FR-101 appears to have similar features found on many other direct frequency dialing receivers. The Yaesu people claim new innovations such as a double-balanced (?) mixer which offers unparalleled performance and rejection of cross-modulation and intermodulation interference often found in the SX-190 and SPR-4 receivers.

Features of the FR-101 include 21 selectable bands to cover everything from 160 meters up to 2 meters. The receiver comes equipped with crystals for only the ham bands.

Additional coverage for most of the international short wave bands are facilitated by pre-marked positions on the selector dial, but the crystals must be purchased separately. Included among the pre-marked positions is one for 60 meters. Conspicuously missing is the 49 meter band; this is because the receiver's bandpass tuning is designed near this range of frequencies. Specific questions have been asked of the Yaesu Company, but no answers have been received yet, concerning the schematic design of the FR-101. Without this needed information, your editor can only speculate that it is possible to insert a crystal for any desired 500 kHz range of frequencies, regardless of what the dial indicator markings read. I also suspect that most of the 49 meter band can be salvaged with installation of the proper crystal. Since the receiver covers frequencies down to 160 meters, it is likely that 90 meter and 120 meter short wave broadcast crystals may be installed. When additional information about this receiver is found, these questions will be answered in FRENEX.

The receiver comes in two models: the FR-101 which is direct frequency dialing like the SX-190 and Drake line receivers; and the other is the FR-101S which uses lighted nixie tubes or LEDs for direct reading of frequency as illustrated above.

Other features include a noise blanker, 1 kHz visual readout, built-in 25 & 100 kHz calibrators, and 12 VDC operation.

Specifications for the FR-101 claim 1 microvolt sensitivity on AM at 10 dB and below on 14 mHz. Selectivity figures are given as 6 kHz wide at 6 dB and 12 kHz wide at 60 dB for a shape factor of 2:1 on AM. SSB selectivity is given as 2.4 kHz at 6 dB and 4 kHz wide at 60 dB. NOT BAD!! Without seeing the schematic, one can only guess that mechanical filters provide this kind of selectivity. Image rejection claimed is better than 60 dB. The FR-101 has selectable AGC in fast or slow release times of .5 and 2 seconds respectively.



Larry Brookwell's DX hideout in his home at Jalisco, Mexico



Alan Brooks tweaks his DX-150 in decorative Connecticut shack

BAND PASS CLASS - PART II

HOW SKIRTS AND SHAPES AFFECT YOUR DXING

by Harry Helms

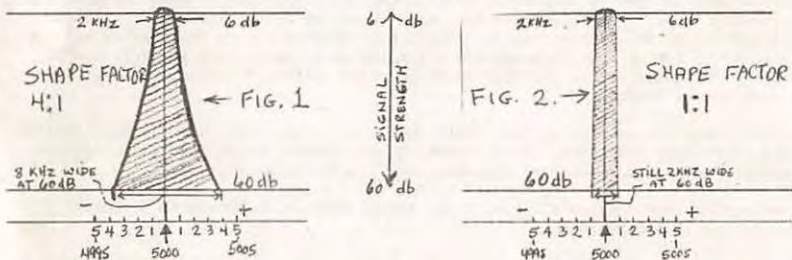
You've just got your new receiver, and you are examining the specifications in the owner's manual. The data you see reads something like this: selectivity - 6db for 2 kHz. Or maybe it says ± 2 kHz at 6 db down, or 2.5 kHz at - 6db, perhaps 3 kHz at - 6db with 12 kHz at -60 db, maybe..... and, so it goes.

All those numbers are trying to tell you how selective your receiver really is. Or they may be just trying to make a rather unimpressive receiver appear to be more selective than it really is.

To save space, we won't run through all the theory behind selective characteristics of resonant circuits, and suggest you consult the ARRL Radio Amateur's Handbook, or William Orr's Radio Handbook, among others, for fuller details. We are going to discuss what a selectivity curve means, not how it is determined.

As we said last month, a radio signal occupies so much space, so that a receiver set at 5000 kHz will usually be receiving signals from 4997 to 5003 kHz, for example. And, as every SWL knows, a receiver will also respond to strong signals near to the frequency to which the receiver is tuned. If the signal is very strong, the receiver will respond to it even though it may be several kilohertz from the frequency to which we have the receiver tuned. Going back to our 5000 kHz signal we may even have interference from a station on 4980 kHz if the interfering station is loud enough.

Selectivity is defined usually as the ability of a receiver or other device to reject signals on frequencies different from the desired one. To help us visualize the receiver's response to interfering stations of various strengths and frequencies away from the desired frequency, we have devised selectivity curves.



In figure 1, we have a typical selectivity curve. Note that the selectivity measurements are made at 6 db (decibels) down and at 60 db down. Down from what, you say? These measurements refer to the signal voltage in the receiver's selectivity circuits. At a spec of 4 kHz at 6 db down, suppose we have two signals of equal strength at 5000 and 4998 kHz. When the receiver is tuned to 5000 kHz, the power ratio of the two signals is 4:1 in favor of the 5000 kHz signal. It is standard practice to make measurements at points 6 and 60 db down resonance. We won't discuss decibels except to say they are based upon the response of the human ear and are logarithmic; that is, a fourfold power increase may sound only twice as loud to the human ear. (*See Ed. note)

Our selectivity curve has specs of 1 kHz @ 6 db and 4 kHz at 60 db down. In practical terms, this means to produce an equal signal to the one at resonance of 5000 kHz, we need a significantly stronger signal 1 kHz from resonance, and we need one heckuva stronger signal 4 kHz from resonance. Note that these are strengths required so that we can hear the two signals at equal levels, and that the signal strength at resonance is important because we are talking ratios between the strength at resonance and the QRM. A weak signal at resonance is more prone to QRM than if we have the BBC tuned in at resonance!

(Ed Note: It should be pointed out that decibels is a purely arbitrary term in expressing loudness of sound. Many manufacturers of receivers have accepted a standard zero decibel reference point of 600 milliwatts input to a 600 ohm circuit. Each time loudness of signal doubles is really a four-times raise in numerical decibels, as Helms points out in his article. S-9 on many professional receivers today represents a standard of 60 microvolts of signal input to the receiver.)

In general, we can hear everything in the shaded area. You can demonstrate your own receiver's selectivity curve by tuning slowly across a local BCB station; hear the signal rise, peak, and then fall? That's what we see visually in Figure 1.

An important measure is the shape factor which is defined as the ratio of the selectivity measurements at the 6 db and 60 db points. Figure 2 shows an ideal shape figure: the same selectivity at the 6 db and 60 db points, or a perfect 1:1.

The shape factor is the best measurement of a receiver's skirt selectivity, or ability to reject adjacent channel interference. Too many SWLs think of selectivity strictly in terms of the measurement at 6 db and below. A little thought may lead you to the conclusion that the selectivity curve of figure 2 will be more useful for most DXing than the one in figure 1, despite the wider measurement at 6 db down... and you will be right! What the receiver will respond to is indicated by the shaded areas, and it is quite obvious that figure two shows a selectivity curve that will do you far more good when the QRM really gets tough.

In our last installment we probably left many of you wondering how a radio signal that occupies frequency space of a few kHz could be squeezed into a filter rated at only a few hundred Hz. The answer is that such filters may have 6 db measurements that are quite narrow, yet their shape factors are much less impressive. For an SP-600, for example, the receiver does indeed have a 200 Hz @ 6 db down filter, but the other parts of that filter are much less impressive: 6 kHz @ 60 db down, shape factor of 30:1. In other words, the filter's effective selectivity is sufficiently wide to pass a phone signal if loud enough. And, this is not at all uncommon of older receivers.

Today, manufacturers are taking a different route. Filters that are narrow at 6 db but have poor shape factors will pass phone signals, yet audio is often impaired and much signal is lost. State of the art technology is pointing towards filters that are wide at 6 db yet have exceptional shape figures. Swan recently marketed a filter which has a bandwidth of 2.7 kHz at 6 db; not really impressive by itself. But, its shape factor was 1.28 to 1!! This allows us to pass enough signal for good voice reproduction and assures us of good rejection of unwanted signals.

There is one other spec we will mention; and that is ultimate rejection. This is a measure of how great a difference in strength between the desired and interfering signals the selective device can handle. Even the best filters or receivers have a point where a strong signal will "punch" through and cause QRM, although on most modern receivers such occasions are usually rare.

Implications: These are the main things the reader should remember...

1. That specs of "2 kHz @ 6 db down" is not in itself adequate to tell how selective is a particular receiver.
2. On many receivers, especially older models, the effective selectivity is often broader than the rated selectivity. Thus, the CW position on the selectivity switch may be useable for phone. Of course, it might be too broad for CW!
3. Beware of non-standard measurements, such as measurements of 3, 40, or 50 db. For example, the fabled Q-Box 30 H selectivity was measured and rated at 3 db down. (Ed. note: It might be interesting to know what the 6 db and 60 db measurements for the Q-Box are.)
4. When shopping for new gear, remember the shape factor is the best measurement of adjacent channel QRM rejection. The closer it is to 1:1, the better.

Interested in good DX? Then get interested in skirts and good shapes!

Keep watch for the next and final part of Harry Helm's definitive work on explaining pass bands and filtering. Questions about this series should be direct to Helms at the address provided in August FRENEX at the end of his article.

BROWSING THROUGH L.A.



by Ernst Löhne - Hamburg

L.A., you say? Latin America, that is! I was loaded with hopes and expectations when my plane touched down in San José, Costa Rica. It was not the first visit for me in Costa Rica, and even without radio stations to visit it is still an exciting place to be. All this was several months ago now. I remember it was an 8 hour train ride from the capital to Puerto Limón on the Atlantic coast. Radio Casino is located in Puerto Limón. It was a hot and humid town - so unbearably oppressive that I could not do more than turn immediately around and go back to San José and cooler comfort. Just before I departed though, I chanced to meet a young man who was in amateur radio. So, I asked him the favor of delivering my reception report of Radio Casino to the station in person. He promised to do so, and I had I went back to San Jose for the evening, so

every confidence in him. And, so

The next morning I took a plane for the second try. Upon arrival in Puerto Limón around noontime, I went to the station and climbed up the stairs of the rather modern building. Radio Casino is on the second floor. The director was not in at the moment. Siesta time starts early in the tropics, and I can't say I blame anyone for not working on a day like that. Such tropical weather!! I had to wait until about 2 P.M. for the return of the owner. When I stepped into the studios again, I found the director and owner, Sr. Grau in the corner of his office using a soldering iron. I felt a bit out of place with my desire for an on-the-spot walk-in QSL request. Señor Grau was apologetic; "We are in this building for several months now, and we are still working on the facilities." He seemed a bit embarrassed since he simply did not have the time to answer letters. "But, in the meantime we have responded to all our listener's mail," he continued. That included my report as I found out later. The delivery had indeed been made. Nevertheless, I decided to take no chances on non-receipt of a QSL letter, so I typed out some data on their official stationery and asked for his signature. It is the perfect way to get a complete and definitive QSL. Nicht wahr?

Señor Grau showed me two big folders bulging with DX mail from the world around. I was dying to get my hands on those folders!! What a shock! I could not believe the approach used by many of the world's DXers. Sloppy hand writing and demanding phrases gave the impression that many of the listeners abroad considered their reports as great favors to the station. IT WAS DISGUSTING!! Some of the letter, sadly for me, were written in German. The owner could not understand even English. I sincerely think that NASWA DXers are somewhat different. NASWA identification should stand for sophistication in DXing and approach to rapport with broadcasters. A good idea, especially when concerning Latin broadcasters, is to acknowledge the QSL they send you with a thank you note. Latins are like that - they desire to maintain a cordial and continuing relationship. I do understand now why so many stations have not replied at all to many reporters on the first try. In the case of Radio Casino, it has sometimes taken years for them to get their mail.

.....AND, A SHORT SIDE TRIP TO VENEZUELA

by Ernst Löhne

Would you like to have a verie from Radiodifusora Venezuela? It is one of Venezuela's best heard stations abroad. It is right in the center of downtown Caracas, operating from the same building as Radio Libertador. Both stations belong to the same company and both hard to verify. Radio Libertador is in the process of remodelling at present, so don't try them now. They were so busy that it was difficult for me to corral someone long enough to get a walk-in QSL. But, Radiodifusora Venezuela was different. Señor Antonio Cajade, Gerente de Ventas, was a very dynamic man. He called his secretary to type out a nice letter of confirmation for me. He was embarrassed that his station did not have actual QSL cards and asked if someone might design one for them. (Anybody out there willing?) This station may open up on QSLs if they had cards. Listen for their slogan: La estación de la Alegria!

THE AUTEX Q-BOX - Useful or Not?

Submitted by: R.Hill

Maybe and maybe not. Bob Hill was anxious to know whether reports of alterations to the Q-Box would produce any improvement, so he wrote to the man who built the Q-Box. The results?....

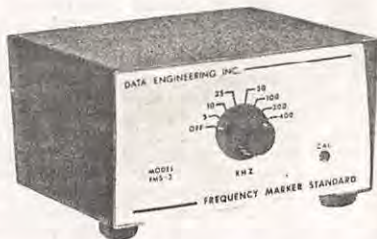
Mr. Bill Onesky of Autek Research in California advised that if Q-Box's capacitors C6, C7, C8 and C10 were tripled in value from .001 mmdfto .003 mmdf - and remaining within the $\frac{1}{2}\%$ tolerance - the alteration would produce a lower center freq'y response one-third of the original frequency. In addition, the selectivity would narrow to about 10 Hz. This is much too narrow for any practical use. Therefore, using capacitors with less stringent tolerance values of say - 5%, might produce a selectivity of about 50 Hz at the lowered center frequency of 270 Hz. Be sure to parallel two of the capacitors on the bottom leg of the T shown in the Q-Box schematic, i.e. use two .003 capacitors. Use .002 mmdf caps for response of 400 Hz, if you prefer instead of .003 mmdf for 270 Hz. In fact, 400 Hz may be best. Other improvement measures in lowering the center frequency response to mid-voice call for doubling the 2% resistors in the twin T (100K and 200K). The coupling and bypass 1 mfd capacitors might have to be increased to 2 mfd. The only way to tell is to hook up the Q-Box you have altered so far to the receiver and try it. A low-frequency oscillation is the tipoff that the capacitor will be needed. You may also want to increase C5 and C9 (especially C5) by a factor of 2 or more, to match the lowered frequency.

Experimenters should be advised that the claimed narrow selectivity at the center frequency is effective only at strength levels of about 6 dB and below. The louder the signal becomes, the wider the pass band selectivity becomes. Read Harry Helm's definitive work on this subject in last month's FRENEX and also this issue.

*
CRYSTAL CALIBRATORS
ARE ESSENTIAL!!

Recent surveys taken among NASWA club members who do not own one of the direct frequency dial receivers indicates that about half still do not use any means of determining exact frequencies and depend largely on announcements by the station. One reason is that calibrators are not understood. Also, the market has not had many of these units to offer at reasonable prices. Heathkit was the last source of a reasonably price calibrator, but even it was limited to marks only at every 100 kHz. Here is good news!

MFJ Enterprises, P.O. Box 494, Mississippi State, MS 39762 offers a wired and tested crystal calibrator, complete with crystal, which will produce markers every 25, 50 and 100 KHz and is operated by any DC source of 6 to 16 volts. It is a small 2x2 in. unit which will mount easily inside most any receiver. Purchaser would have to provide his own cabinet if he desired to have it a separate external unit instead of installed in his receiver. Cost: \$15.95, plus 55c handling for airmail or first class.



Another company, Data Signal, Inc., 2212 Palmyra Road, Albany, GA 31701 also manufactures a finished product in cabinet. Cost is \$34 for the finished product, or \$30 in kit form. It works on batteries, self contained. Illustrated above, the FMS-3 gives marks each 5, 10, 25, 50, 100, 200, and 400 kHz. It is a simple matter to switch on a 400 kHz marker and identify a certain spot on any receiver, and then to choose another lower marker and count marks to the station needing identification. Installation of calibrators requires no more than hand tools and no electronics.

There are many other manufacturers of frequency standards, but these two were chosen because of their flexibility in providing several marker choices and lower price than many others. Crystal calibrators lend themselves quite well to military surplus receivers and other short wave receivers have at least some bandspread. Most portable radios are not well suited for such calibrators because of severe mismatching problems and false marker images being generated which can confuse on the portable's crowded tuning dial.

ABC NEWS PERSPECTIVE: Radio Free Europe
Submitted by Ernie Behr - Winnipeg

by Russell Jones
ABC News, in
his 30 March
report from
Moscow,

(Edited for FRENDX)

Europeans who are old enough can still remember the days of the Nazi occupation when millions of people would hold their ears close to their radio receivers to hear broadcasts from London. The identifying signal used by the British Broadcasting Corporation was a bom-bom-bom-----bomm, from Beethoven's Fifth Symphony and the Morse code for the letter V, meaning of course, V for victory. The nazis understandably took a dim view of those broadcasts and savagely punished anyone they could catch listening to them. But, the broadcasts did get through and contributed greatly to the morale of the occupied peoples and to the ultimate victory of the allied powers. BBC rarely uses that signal nowadays, but its external services, by which it means programs aimed at foreign audiences, are still widely listened to and trusted by people throughout the world. But, now the new labor government of Britain says too much money is being spent and wants to cut the budget of BBC's external services department. The government says its reasons are strictly financial, but the move puts it in the same camp with Senator J. William Fulbright who has been trying to eliminate American broadcasts to east Europe because he says they are a relic of the cold war. Fulbright's targets are Radio Free Europe and Radio Liberty which are autonomous, American-funded operations based in West Germany, but the same arguments can be applied as well to the Voice of America, which is a U.S. government operation. Fulbright argues that broadcasts to the communist countries are a waste of money, an interference in the internal affairs of other nations likely to exacerbate relations. But I think one should ask firstly if the senator's charges are true, and secondly if they are relevant. To try to get the answers, let's look at the figures for foreign language broadcasts both in the communist bloc and in the west.

The Soviet Union and its satellites in east Europe transmit somewhere between 13 and 14 hundred hours of programming each week to western Europe and North America. In contrast, or in response if you like, western programs aimed at Russia and east Europe total only something over 800 hours. These figures are for transmitters which one side or the other at least admits are on its territory, that is the state radios of the east bloc on one and, and BBC, VOA, Radio Liberty, Radio Free Europe, and West Germany's Deutsche Welle on the other. The figures do not apply to a number of clandestine or black transmitters operated by the communists and aimed at a variety of targets. For example, Radio Free Portugal and Radio Independent Spain are thought to be based in Romania, two stations calling for revolt in Greece transmit in East Germany, something call Radio Peace and Progree claims no nationality but is believed run by the KGB, the Soviet secret police. All in all, the comunists broadcast well over twice the number of program hours transmitted by Western stations. So, if foreign language broadcasts are an interference in the target country's internal affairs as Senator Fulbright says, it seems evident we are more sinned against than sinning.

Not that I think we should complain about communist radio stations, let alone resort to the communist trick of jamming. Some communist programs are genuinely entertaining, some unintentionally humorous, some just boring, but I can't imagine anyone silly enough to believe they present a danger to the western way of life. In fact, I'm not sure I've ever met more than a handful of people other than those professionally interested in what the communist thinking may be on a given situation, who have ever listened to a broadcast from the Soviet Union or another communist country. One reason is that worse things are said about capitalism and western governments by the media in the countries involved than even the wildest communist propaganda can dream up. The best or the worst that Radio Moscow can usually produce is a quotation picked up from a western newspaper or broadcast. As for jamming, the estimates are that the Soviets and their satellites spent about 250 million dollars building some 3000 jamming stations scattered around eastern Europe, and that each year they spend about 100 million dollars operating them. That annual figure, which incidentally is more than the Kremlin spends on its own domestic radio service, may be too high at the moment because jamming has become selective, with only RFE and Radio Liberty getting the full treatment. But all the jammers are still in place, ready to try to blot out BBC, VOA and the Deutsche Welle at any time the Soviet policy makers decide its appropriate.

(Cont'd next month - Why Soviets feel it necessary to jam western radio)



North American Short Wave Association

CHANGES During the DX season we are always squeezed for space, due to the large increase in loggings reported. In addition, the FLASHSHEET, appearing in FRENEX, has in many respects not been mailed to the members as quickly as we would like to get it mailed because of the delays involved at times in getting FRENEX put together and mailed....

In order to solve both of these problems, and to provide further advantages, the FLASHSHEET will no longer appear in FRENEX. Instead, FLASHSHEET will be a twice monthly publication separate from FRENEX. AL NIBLACK continues as editor of the FLASHSHEET (and we will have note to this effect in each FRENEX), with deadlines the 10th and 25th. This means a twice monthly mailing of the FLASHSHEET to those who subscribe to it. The turn-around time on the FLASHSHEET should be minimized considerably, so that, via the FLASHSHEET, NASWA members can get DX news flashed to them in a minimum of time.

COST of the FLASHSHEET will, henceforth, be US\$4 per year in NA. This is for 24 issues a year; i.e., the same rate as at present, but twice as many issues, therefore twice the current cost. Orders for the FLASHSHEET should continue to be sent to the HDQ address, NASWA, BOX 8452, South Charleston, WV 25303 USA. Dan Ferguson will continue to handle the mailing list, Al Niblack will continue to edit FS. Overseas US\$5, airmail US\$8.

In addition to the FLASHSHEET material, from time to time we will be including some additional material in the FLASHSHEET envelopes of contributors to the various sections of FRENEX and the FLASHSHEET. These will be such things as mini-surveys, etc., which will cost additional nominal amounts from non-contributors, if they desire to receive them. Such will always be announced in FRENEX.

We trust DXers will find this new expansion of SWBC DX coverage to be to their liking.

ANOTHER CHANGE As noted in the Log Report this month, reports to LR should henceforth be sent direct to the three Log Report Editors, Dan Ferguson, Mac Leonhardt, and Jerry Lineback. Deadline is the 15th now.

Until further notice, reports for the QSL REPORT should be sent to HDQ. We also need (very much need!!!) illustration for QSL REPORT, and other portions of FRENEX. These, also, should be sent to HDQ, thanks.

THE 1974 ANARC CONVENTION

The annual convention of the Association of North American Radio Clubs was conducted this year on the weekend of July 5th, 6th and 7th, at Concordia College in Bronxville, New York. This, ANARC's ninth yearly conference, drew thirty-six enthusiasts from eleven states and provinces across the continent. Though this was not a record turnout for an ANARC convention, those attending seemed to enjoy the program and the intimacy afforded the group by a college campus.

Things formally got underway at 4:00 pm, Friday, July 5th, with a reception for the convention attendees. Shortly after dinner at Concordia that evening, Woody Seymour, Jr., and Marc Champagne opened the program with a brief review of the interclub Handicapped Aid Program and its Canadian chapter. Perry Ferrell of Gilfer Associates followed with an absorbing discussion and exchange with the audience on receiver circuit design and innovations on the SWL market. The meeting room remained open for a receiver display that included the prototype of a Kencraft receiver which was brought by Perry Ferrell.

Saturday proved to be the most active day of the convention. After rousing for breakfast and drawings for door prizes, E. J. "Jim" Whitehead was first on the agenda, examining Latin American Radio and analyzing the sport of Latin DXing. Paul Mayo found himself next at the podium, outlining the ways and means of DXing utility stations. Thomas R. Sundstrom then presented a detailed history of Dr. Carl McIntire's Radio Free America. After a retreat for lunch, Steven P. d'Adolf of ANARC's Public Relations Committee discussed the organization ANARC— its directions. We were then also very honored to have Dr. David Meisel making the complex, interacting elements of propagation understandable. After absorbing this quantity of information, all took respite and absorbed a quantity of refreshments served before the banquet. The traditional announcement of ANARC's Man of the Year was made. A. R. "Al" Niblack of Vincennes, Indiana, was the recipient for his many years of service to individuals and to numerous clubs. A banquet address by Mr. Josef C. Nichols, Chief of International and Satellite Communications for the

United Nations, highlighted the evening. Mr. Nichols examined some of the developments in international electronic communications that affect the intricate problems of developing international community, and conducted an exchange on the subject with the audience. He commented that SWLs, as international listeners, are in most intimate contact with this concern.

Sunday's schedule was light as many prepared for the long hauls home. A short film clip from Radio Australia woke the drowsy after breakfast for reports from ANARC's Frequency Recommendation and QSL Committees. Informal talks and taped greeting from DXers overseas preceded lunch, the final item on the agenda. Most of those remaining went their separate ways toward 3 pm, having struck up new friendships and renewed old acquaintances.

Thanks are due the host institutions Concordia College's administration and food services, and most importantly to the many fine speakers and those who attended for making the convention a success and the tradition of an annual convention an asset to ANARC.

ANARC Convention photos(clockwise): Concordia College; Dr. David Meisel speaks on propagation; Mr. Josef Nichols' banquet address; Mr. Nichols' audience. Thanks to photographer Woody Seymour, Jr., of Sanford, North Carolina.





CLANDESTINE

BULLETIN

LARRY MAGNE, 15 CENTRAL AVENUE, PHILADELPHIA, PA 19111 USA - EDITOR

THE CYPRUS CRISIS 1974

by

Alan Thompson

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GREECE: From the commencement of the developments in Cyprus on 15 July, the Greek national radio maintained a normal pattern in both its Home and External Services. However, from 20 July, parts of the External Services joined the national domestic service at times and the shortwave relay of the domestic service on 9710 kHz continued to operate from 1100-1430. On the night of 23-24 July, the National Programme of EIRT continued on the air after its normal 2300 close-down.

Alan noted two diesel-type jammers heavily jamming the Ankara SW channel on 20 July, early in the Cypriot crisis.

TURKEY: In contrast to EIRT, Radio Ankara swiftly moved to a "war footing". During the night of 15/16 July, Radio Ankara remained on the air (on SW and LW) with all stations carrying a common programme. At 0900 on 16 July, it announced that 9515 kHz would stay linked with the HS, while 11880 kHz would carry a special service in Greek, including news broadcasts. From 16-25 July, the pattern was that 9515 relayed the HS from 0255-2150, while 11880 carried Greek programmes from 0900 until the scheduled foreign language service started at 1430, although on 18 July it was announced that the Greek transmission would continue through to 2100. The announced pattern for 11880 was soon amended: on 20 and 21 July, it was noted in English, Greek and Arabic as early as 0530 and later with Bulgarian and Serbo-Croat. On 22 July, 11880 was heard with a night broadcast in English for Cyprus from 2200-0500, followed by bulletins in English, Greek, Bulgarian, Serbo-Croat and Turkish, and after several hours it was established that the pattern of the news broadcasts was: Greek on the hour; Serbo-Croat at H+15; English at H+35; Bulgarian at H+45; and this continued until 1430, when the scheduled foreign language service was resumed. After 1600 the foregoing sequence of bulletins was resumed and continued until 2200. Meanwhile, a new frequency of 9748 kHz was noted in parallel with 11880 from as early as 0930 until 2400 from 22 July and this new channel continued in use until the end of the day's transmission on 26 July.

On 25 July, Radio Ankara announced in its Turkish Service that normal broadcasting would be resumed. Thereafter (to 1 August), 9515 relayed the Turkish HS 0255-0900 and then carried the "Voice of Turkey" (in Turkish for Turks abroad) from 0900-2000 s/off with a "Special Cyprus Programme" at 1945. The service on 11880 and 9748, however, still included news broadcasts in English, Greek and Turkish during the period 1630-2100 until 26 July. From 27 July, 11880 resumed its scheduled broadcasts 0500-2230.

CYPRUS: During the latter part of 15 July and until 1000 on 16 July, the Paphos station of the CBC (on 917 kHz) left the normal CBC network and carried pro-Makarios broadcasts announcing itself, at times, as "Free Radio Cyprus". It rejoined the Nicosia HS during the afternoon of 16 July. On the nights of 28/29 and 29/30 July, CBC stayed on the air broadcasting a programme of continuous music without announcements until 0400, when normal programs were resumed. At 1 August, all CBC transmitters were carrying a common programme in Greek, Turkish and English, 0400-2205, instead of the regular arrangement of a main Greek programme and a 2nd programme in Turkish and English. The combined service is being aired on 692 and 602 kHz (Nicosia), 1484 kHz (Limassol), Paphos on 917 kHz and VHF outlets at Troodos and Kantara.

OTHER TRANSMISSIONS: Radio Prague began a daily transmission in Greek to Cyprus on 19 July from 1830-1900 and, on 23 July, followed this with a further transmission at 0530-0550. The aim of these broadcasts was said to be to provide world news and "objective information on developments in Cyprus". The pro-Communist Clandestine radio station "Voice

of Truth" announced on 18 July that "it has been made known that a clandestine radio station called the 'Free Voice of Cyprus' ('Eleftheri Foni tis Kiprou') is operating in Cyprus. It is transmitting on 6663 kHz at 0500, 0800, 1130 and 1530."

BBC MS reported later that "Voice of Free Cyprus" ("I Foni tis Eleftherisis Kiprou") was traced on 19th July on 6662 kHz from 1130-1200 and 1530-1600. However, station announcements indicated that from 20 July the transmissions would be 1300-1330 and 2000-2030, and from 5 August 1500-1530 and 2000-2030. Program material was described as "mainly pro-Makarios".

A fine job, Alan and the BBC MS crew! Although nothing firm has appeared concerning the site of the new clandestine on 6662 kHz, it seems certain it is not in Cyprus, as alleged by "Voice of Truth". The BBC MS points out that the fq is the same as that of the "Voice of Palestine" tx believed to be located in Syria.

MORE ON CYPRUS...

by
Fred Stockheim, Engineer
IBA, Jerusalem

Many of you surely noticed that the initial news dispatches from Cyprus were datelined "Jerusalem". Nothing else. And just before that, at least one major news organization was calling SW buffs to try and get ham contact to their people in Cyprus, as communications were cut off altogether.

Fred Stockheim, located at the dateline QTH, fills us in on the details, beginning with how the news that Archbishop Makarios was alive was relayed to the world -- much of which thought him dead, a victim of the early fighting.

"It seems that the Cyprus monitoring you mention was done by one Michael Gordus, who acts as IBA's Radio News Monitor. The Paphos transmitter which broadcast the Makarios messages is normally (and again) part of the official Cyprus network, a 2 kw tx on 917 kHz. At the time, it was still under Makarios' control, so they just hooked up some improvised audio equipment to the tx. Neither Michael nor myself have heard of "Voice of Paphos Veterans" (a pro-Turkish clandestine -- Ed.).

"You are probably aware of another interesting fact, i.e. that, for a few days after the invasion, the only link from Cyprus was a lone telephone line to Jerusalem, obtained by direct dialing. Many correspondents used this to record their reports at IBA's radio studios, which relayed them on to broadcasters and the press all over the world.

"News reports a couple of weeks or so ago had it that Abie Nathan's Peace Ship ("Voice of Peace", a MW clandestine radio ship -- Ed.) is on its way back to this area from Marseilles to resume broadcasting, both to Cyprus and to Israel/Arabs."

Information from French DXer Bernard Chenal tends to confirm the "Voice of Peace" news items, which contradict earlier items in the DX press suggesting the ship had been sold and was no longer to broadcast.

YET MORE

The New York Times and other news sources quickly learned the value of clandestine radio in digging up information in confused situations. Radio Bayrak appeared in a NYT story datelined Ankara on July 22, and many other reports have, without naming the station, done the same since. It appears the smaller pro-Turkish clandestines, plus the "Voice of Cyprus", actually believed to be located at Anamur, Turkey, were either not heard or correspondents were unaware of their existence (cf., for example, above).

Whether they even exist now is open to question, but before the recent events they were as follows (times omitted, since these surely mean little now):

- "Radio Bayrak", referred to in news reports as the "official Turkish Cypriot radio", 1095 and 1473 kHz, power unknown, location Nicosia, Cyprus, and directed by Mr. Suha.
- "Voice of Cyprus", actually not located in Cyprus, but at Anamur, Turkey, with a power of 5 kw on 674 kHz.
- "Cambulut Radio", Famagusta, Cyprus, 1372v kHz, likely 500 watts or so.
- "Sancak Radio", Lefka, Cyprus, 1275v kHz, likely 500 watts or so.
- "Voice of Paphos Veterans", Paphos, Cyprus, 1522 kHz, likely around 500 watts.
- "Voice of the Falcon", Larnaca, Cyprus, 1200v kHz, also around 500 watts.

The old standby, "Voice of Truth", is found, as always, as follows, in Greek:

0430-0505	7335	1000-1040	9776	1830-1900	9776
0510-0545	9776	1120-1200	7335	1930-2000	7335
0700-0725	7335	1205-1245	9776	2030-2115*	7335
0730-0755	9776	1600-1630	7335		
0920-0955	7335	1710-1735	9776		

*Prepared especially for seamen.

"Voice of Truth" ("Radiofonikos Stathmos i Foni tis Alithias") transmits via facilities in Konigs Wusterhausen, according to deduction by the BBC MS.

The Turkish-language equivalent of "Voice of Truth" is "Our Radio" ("Bizim Radyo"), transmitted via Cluj, Romania ("Program 1") and Schwerin, East Germany ("Program 2").

Program 1:

0600-0650	9584	1740-1810	9584	0600-0630	9500v	1740-1810	5915**
0810-0840*	6200	1910-1925	9584	1015-1045	9500v	2005-2030	5915
1050-1115	9584	2005-2020	6200	1445-1515	9500v	2030-2100	5915
1640-1705	9584	2120-2145	6200	*Sun only **Announced, not traced in Bulgaria			

Program 2:

Additional pro-Communist clandestine broadcasts of these Turkish and Greek operations are heard via Magdeburg, East Germany, beamed to foreign workers in West Germany. The Greek station -- "Voice of Greek Democrats Abroad" -- is heard 2030-2100 Tuesday on 908, while the Turkish program -- "Voice of Turkish Communist Party" -- is heard on Thursdays.

A small item in The New York Times, spotted by news watcher Myron Reamy, indicated that, on July 15, two Americans had been wounded in the fighting in Cyprus, one of them a Mrs. Thomas E. Price, apparently the wife of Mr. Price, described as being "assigned to a State Department regional communications station outside the capital." The other person wounded was the daughter of David Sutton, also affiliated with that facility.

The FBIS, the official US monitoring agency and our counterpart to the BEC MS, has maintained a monitoring site in Cyprus for over a decade, and it is presumably still in operation. Although the FBIS is not part of State (it's always been part of the CIA), it seems possible that Messrs. Price and Sutton may be affiliated with the FBIS effort.

But that brings to mind that the island is not just a battleground, but also a site for several foreign radio organizations.

The BEC's East Mediterranean Relay site is there, as is the British Forces Broadcasting Service. The British and Americans are both believed to monitor radio stations from there. And Radio Monte Carlo has a superpower MW station there.

So far, it seems as though none of the Turkish or Greek forces have seen fit to try and do battle with the British forces and attempt to capture the BEC relay site. But who is protecting the radio of Monaco? Eventually, it would seem as though, through military or legal action, some of these facilities could revert to the Turkish authorities, thence to form some sort of powerful overseas Cypriot radio.

ANTARCTIC STATION RAISES LEGAL POINT

Editor Ed Shaw has learned that the present commander of the McMurdo base where the new DXers delight on 6012 kHz is located "is now opposed to QSLing because of possible sensitivities to transmitting from an international zone." (Via Numero Uno)

Indeed, the question of whether the U.S. so transmits or ever transmitted in the past was central to the Radio Free America defense when it raised the "clean hands" doctrine late last year...

OMAN LIBERATION FRONT QSL's

Johann Wiespointner of Austria received this January a most unusual letter QSL in Arabic from The People's Front for the Liberation of Oman and the Arabian Gulf, which operates what is now called "Voice of Oman (music), the Voice of Omani Revolution". The verification states, "We confirm that the station you have received is the station of People's Democratic Republic of Yemen." Whether this suggests the transmitter site is actually there is hard to say; the frequency verified was 6478 kHz.

The address for QSL's is: "Popular Front for the Liberation of Oman", Maktari Building, Madram Street, P.O. Box No. 5037, Maalla, Aden. Cable NHIEZ. Good luck; the schedule is 1445-1615 on 6478 kHz (site unknown); plus 1615-1700 on 11770 kHz via Aden Radio.

(Preceding thanks to Editor Carol Feil, Danish Shortwave Clubs International).

ASIAN REPORT

by
Isao Ugusa, Japan

A new Korean station -- apparently from North Korea -- giving no ID has appeared since very early August on 4490 kHz with variable s/off and s/on, viz. 1200v-1335v, give or take 20 minutes. The s/on is with a chorus repeated twice, and s/off with a chorus. It starts off, "Good evening, comrades. From now, we begin today's broadcast for August XXth." The programming praises "Kim Ilson Wonsu" ("General Kim Il Sung").

The new s/off time for the Laotian "Voice of Peaceful Laos" on 7384 kHz is 1400 (ex-1500).

Radio Khana Pathet Lao, brought to our attention by Victor Goonilleke some time back, has been inactive since this February. It formerly broadcast on 5012 kHz.

Finally, Radio Pyongyang still relays the "Voice of the Revolutionary Party for Reunification" at 1030-1100 on 3320, 6400, 800 and other MW, but not 6250.

QSL Report

NOTE: UNTIL FURTHER NOTICE
SEND REPORTS FOR QSL
REPORT TO THE HDQ
ADDRESS - USE SEPARATE
SHEET OF PAPER, PLEASE.

NASWA, BOX 8452, South
Charleston, WV 25303 USA.

Editor: Larry Yamron, Boston, Mass. U.S.A.

ANOTHER RESIGNATION?

For over a year your editor has had the pleasure of serving you, the Dx'er, and SWL. Unfortunately, I'll be moving my QTH and time won't permit me to continue as Editor. I would especially like to thank all those who have supported QSL REPORT and given me encouragement thru the year. QSL REPORT wouldn't have been successful without your help and support.

As of this time, I don't know who the new editor will be. Send all further reports to the address above.

Note re Qsls from PAPUA/ NEW GUINEA

According to the NBC at Port Moresby, new style QSL cards are now being printed, and will be available soon. All reports are CHECKED for authenticity, and station has a large backlog of reception reports to process. Until new cards are available, prepared QSL cards will facilitate a rapid reply for correct reports. Mint stamps would also assist station. This applies for NBC National Network outlets. The District Network stations are still using the old style folder QSL cards, and personal letters are also being issued. It is assumed that the folder will be replaced in due course. Australian Broadcasting Commission assistance personal were phased out of radio operations at the end of May. The NBC is a completely new organization, having taken over the facilities of "Admin. Brod. Svc." and "ABC". (via Bob Padula, Australia)

NEW STATION ADDRESSES: Reunion Is: ORTF St. Denis., B.P. 309, 97-4, St. Denis de la Reunion. (via Robert Hanner)

Radio Rabaul, P.O. Box 393, Rabaul, East New Britian Dist.
Papua/ New Guinea.

Proper address for reception reports for K. Universitaria:
Radio Universidad de Costa Rica, Ciudad Universitaria, "Rodrigo Pacio" Costa Rica.

QSLs RECEIVED SEPTEMBER

Many excellent veries received this month! Dx ace Scott Reeves verified the rare African, Radio CORDAC. Scott also received QSLs from Radio Carve, Uruguay. Fine catches Scott!..Ed. Gerry Dexter heard from Radio Mbujmayi, Zaire and from Radio Ariel, Uruguay. Mighty fine!..Ed. Many interesting QSLs in from Latin America, and Papua/ New Guinea. Jeff Bowsby received a QSL from Sudan! Other fine catches this month include, Reunion, Azad Kashmir, Somali Brod. Svc., and Radiff. Padilla, Bolivia.

AFGHANISTAN: Radio Afghanistan, 4775, full data card in 3 months air, mint stamps. (Bowsby)

ANGOLA: A Voz de Angola, 9660, Luanda, nice colored card shows view of waterfall, 4 weeks air for EE report w/2 IRCs. This freq. very rare here due to ABC. (Padula) 6175, view card in 3 weeks for EE report and 1 IRC. (Hanner)

ASIATIC S.S.R.: Moscow via Komsomk-on-Amur, full data card in 23 days air for R. Moscow report form. (Mayer)

AUSTRIA: ORF, 9770, card w/all data and sked. 23 days air for IRC. (Wilson) 15200, photo card w/full data in 1 month air. (Lobdell) 15200, card in 19 days air, 2 IRCs. (Brunner) 9770, cards in 1 month for several reports w/ORF report forms, no rp. (Brooker)

AUSTRALIA: Radio Australia, 9580, flower series card, program guide and sked. 15 weeks, no rp. (Brooker) 17795, card and sked in 24 days, 1 IRC. (Davidson) 15160, Wildflower series card w/all data in 3 months sea, no rp. (Lobdell)

ABC-Perth, 9610, blue ABC map card in 13 days for 3 IRCs. (Brooker)

AZAD KASHMIR: Azad Kashmir Radio, 3977, urdu letter from V/S. M. Sajjad Ali Siddiqui. Thanks and confirms report w/all details. 3 months for EE report and 3 IRCs. (Hanner)

BOLIVIA: Radiodifusora Padilla V. 3495, letter, air from V/S. Alberto Monterde Montellano, Alcalde Municipal de Padilla, Director and Dibb Israel Lattuff, Oficial Mayor y Administrador de la Radio. (Dexter)

BRAZIL: Radio Gazeta de Alagoas, 3315, letter, pamphlet on city & station, 2 weeks after f/up. V/S. Ebenezer Nascimento. (Dexter)

R. Nacional de Brasilia, 15445, card and pennant in 3½ months for mint stamps.

Radio Poti, personal PP letter from V/S. Ruy de Almeida e Silva (Brown) who requests pen pals, also EE verie letter w/decad in 17 days air for PP report and mint stamps. (Reeves)

Radio Rio Mar, cordial PP letter from V/S. Dom Joao Souza Lima, Dir. General, who notes my report is 'rigorosamente correctos'. 21 days for PP report, 2 IRCs. (Reeves)

Radio Tupi de Sao Paulo, 15155, PP verie letter, post card and Brazilian stamps, 3 weeks air for PP report and mint stamps. (Bowlby)

BRUNEI: Radio Brunei, 7215, yellow map card in 30 days air for 2 IRCs and EE report. Also sent post card of station. (Hardester)

BURMA: BBS, 5040, plain white card w/all data in 42 days air for EE report and 2 IRCs. (Hardester)

BURUNDI: Radio CORDAC, 4900, full data card notes "Not many QSLs from States, Congratulations". 1 month for 3 IRCs and EE report. (Reeves)

CAMEROON: Radio Buea, 3970. full data card in 22 days air for 2 IRCs and EE report, direct. 8 kw. (Reeves)

CANADA: R. Canada Int., 6085, globe card w/all data, 36 days, no rp. (Keller) card, sked. in 5 weeks, IRC returned. (Brunner) 6085, card in 2 weeks. (Baines) Mike card in 2 months. (Meehan) 15190, card in 1 month surface, no rp. (Lobdell) full data card in 33 days, no rp. (Parker)

BBC via Sackville, 6175, usual card w/site, 15 days air, no rp. (Hardester)

Deutsche Welle via Sackville, 9605, circle card, tourist info in 1 year air! (Meehan)

CENTRAL AFRICAN REP: RTV, Bangui, 5038V, form letter w/apology for non-availability of QSLs, full data and sked. 126 days, 1 IRC. (Schwartz) PP letter w/official stamp, 7 months for FF report and 1 IRC. (Garrow)

CHAD: RTC, 7120, card in 10 weeks air for FF report and 3 IRCs. This freq. very rare here, only possible on Sundays after 0730 GMT when BBC s/off. Via long path! (Padula)

CHILE: La Voz de Chile, 15150, full data color card in 5 weeks air for EE report and mint stamps. (Estes) 6195, card in 3 weeks after f/up, mint stamps sent. (Sparks) card in 2 months. (Baines)

CHINA P.R.: Radio Peking, 15060, card w/date and freq., sked. 15 days air. (Meehan)

CLANDESTINE: (PIRATE) Radio Venus North, 6225, card, letter, and info sheet on station in 7½ months, 1½ months after f/up. ADDR: Dept. Vi, 63 Glenton Ave, Hove, Sussex, England EN3 8LN. (Calkin, England)



CARACOL

PRIMERA CADENA RADIAL COLOMBIANA S.A.

HJKC -- 850 KC.
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COLOMBIA

ST. LARRY INGRAM
6830 Linden Lane
Pittsburgh, PA.
U.S.A. 15208

Transmisor de Onda Corta: Industria Colombiana. Potencia: 1.000 wátios. Antena: Dipolo de Media Onda. Altura de la Antena: 25 Metros. Frecuencia: 4755 KHZ.

Transmisor Westinghouse de 50 KW de Potencia. - Antena Vertical de ¼ de Onda. Planta Transmisora Instalada a 8.300 Pies S.N.M. - Temperatura Media de 16° C.

Muchas Gracias por su Reporte de Recepción del 15 de junio de 1974.

Reciba un cordial saludo de

Mario Eric L.
Ing. MARIO ERIC L.
EMISORAS NUEVO MUNDO S. A.
Departamento Técnico

COLOMBIA: La Voz de Huila, 6150, SS letter from V/S. Fernando Segura R. Dir., 8 weeks for SS report and travel info. (Padula) 6150, SS letter w/verie statement in 50 days sea for SS report and 1 IRC. (Mayer)

La Voz del Llano, 6115, air letter w/color photos of Villavicencio and Meta area, 2 months for mint stamps. V/S. Jairo E. Cifuentes. (Sparks)

Radio Bucaramanga, 4845, verie letter and pennant in 1 month for SS report and IRC. V/S. Jaime Sorzano B. Gerente. (Barto)

Radio Colosal, 4945, letter and large blue pennant in 4 months for SS report and mint stamps. (Behr)

Radio Guatapurí, 4915, letter w/verie statement and large color pennant, 4 months from V/S. Glenix Peraza Moron, Sec. (Plum)

Radio Mira, SS verie letter from V/S. Carmen Obando, Sec. General, who invites me to visit the beautiful beaches of Tumaco! Also sent pennant and decal, 2 months for SS report, mint stamps. (Reeves)

Radio Neiva, SS verie letter, 4 post cards, 13 days for mint stamps. (Reeves)

COSTA RICA: Radio Universidad de Costa Rica, no data card in 2 weeks after f/up. (Dexter)

CUBA: Radio Habana, 11930, blue circle card w/all data, 90 days air, no rp. (Miller)

15230, card and sked. in 172 days, 1 IRC. (Davidson) 11930, card w/all data in 179 days no rp. (Parker)

CZECHOSLOVAKIA: Radio Prague, 5930, card w/all details in 52 days air, no rp. (Keller) 11990, full data card and 1 IRC, 20 days. (Davidson) card in 32 days, no rp. (Schwartz)

DENMARK: Radio Denmark, 15165, 'Radiohouse Aerial' card w/all data and letter in Danish by air in 3 months. Reported in Danish w/tape. (Lobdell) 15165, full data card in 34 days air for EE report and 1 IRC. (Hardester)

DOMINICAN REP: La Voz de la Libertad, 6218, letter, postcard in 3 weeks after f/up from V/S. Aturo A. Serrata, sub. Dir. (Dexter)

La Voz del Papagayo, 5030, 2 letters EE/SS, 38 days for mint stamps.

V/S. Jose M. Rivero Almedo, Ing eniero y Dir. (Sparks) EE/SS letters, air in 6 weeks for SS report, my best Dom. Qsl, power stated as 400 watts. (Padula)



"La Nueva Voz del Papagayo"

H. I. B. S.

1530 KLCS. - BANDA 60 METROS

APARTADO DE CORREOS NO. 2, LA ROMANA

REPUBLICA DOMINICANA

TEL. 474



'La Nueva Voz del Papagayo operates on 5030 kc/s., with a radiating power of 400 watts. Transmitting 24 hours a day. La Voz del Papagayo is the oldest commercial station in the Dominican Rep.' (excerpt from verie letter received by Bill Sparks..Ed.)

Radio Clarin, 4850, letter and pennant in 50 days via air for mint stamps. (Sparks) form letter and pennant in 5 days! (Hardester) form letter and pennant in 8 weeks air for SS report. (Padula) letter and pennant, 23 days air, mint stamps. (Mayer) form letter and pennant in 5 weeks air for mint stamps/ (Estes) letter, sked. and pennant in 44 days, 1 IRC. (Schwartz) form letter and pennant in 1 1/2 month air, mint stamps. (Lobdell) personal letter, 3 pennants!! travel info, stickers, etc. Letter mentions

'FRENDX'. V/S. Teo Veras (same V/S. as R. Hin!) Sex" 4850 is 3000 watts. (Yamron)

RTVD, 9505, SS verie letter and pennant, requests reports, 23 days for mint stamps. (Dean) 5970, SS verie letter from V/S. R.A. Font Bernard, air in 6 weeks. Also rcvd. pennant and pst card. (Padula)

ECUADOR: Emisora Gran Colombia, 5060, SS verie letter from V/S. Eduardo Cevallos Castaneda, Director Gen. and 30th anniversary pennant dated 1979! (saves\$\$ that way.) 2 months air for mint stamps and SS report. (Reeves)

Radio Luz y Vida, 4825, full data card from V/S. Hermana Amada. Also rcvd. pennant. 45 days air for SS report and mint stamps. (Hardester) card in 8 weeks air for SS report. (Padula)

Radio Nacional Progreso, 5060V, patronizing SS letter from V/S. Efrain Herrera G., also huge glossy photo of Loja street and Andes mountains, tape recording of Ecuadorian music (no tape sent!), Ecuadorian Sucre peice and request for xtal for 5060 and 1370! All in 21 days for mint stamps, SS report and post card. (Reeves) sure you aren't a citizen?..Ed.



ECUADOR (con't): La Voz del Napo, 3286, SS verie letter from V/S. P. Luis Tirado S. Director. Sez: my report is furthest one received from N. America. and corresponds exactamente with log book. 4 months air for mint stamps (used). lists 1kw. (Yamron)

HGJB, 9560, 'Oil' card w/all data in 20 days air for 2 U.S. stamps. (Miller) Mt. Chimborazo card in 41 days air, no rp. also rcvd. Dk club info. (Brunner) 9560, full data card, 34 days for U.S. mint stamps. (Parker) card in 3 1/2 months. (Baines) 'Oil' card and sked. in 20 weeks, no rp. (Brooker) 15115, card in 6 weeks, 3 IRCs. (Lobdell) card in 3 weeks for U.S. mint stamps. (Keller) EGYPT: Radio Cairo, 9475, full data card of boat and postcard of Cairo, 2 IRCs, 43 days air. (Keller)

FINLAND: Radio Finland, 15185, 'Summer In Finland' card w/all data in 2 weeks air, no rp. (Lobdell) card, sked. and station info. 14 days air, 3 IRCs. (Brunner) 15185, card w/all data, sked. and great circle map, 19 days air, no rp. (Brooker) card in 17 days for tape report, no rp. (Keller) Seasons card in 14 days, no rp. (Schwartz)

FRANCE: ORTF, 15155, 'ORTF Building at night' card w/full data in 1 1/2 months air. EE report and 1 IRC. (Lobdell)

FR. GUYANA: ORTF, Cayene, 3385, no data FF letter and sked. 3 weeks air for EE report and mint stamps. (Bowlsby)



TO RADIO:

Wir bestätigen Ihren
Empfangsbericht vom:

Ernest Behr

9.6.72

We are glad to confirm
your report of:

6,19 MHz



Wir senden unsere Programme auf folgenden Frequenzen:

Our transmitting stations are:

Mittelwelle Medium wave AM:

568 kHz/kc = 530.0 m 100 kW

1484 kHz/kc = 202.2 m 5 kW

Ultraschwellen/VHF-FM: 88.75 MHz/Mc 60 kW ERP

92.4 MHz/Mc 60 kW ERP

96.3 MHz/Mc 20 kW ERP

Fernsehen - Television:

Kanal 7 - Channel 7 (CCIR)

Bild - Vision 189.25 MHz/Mc 100 kW ERP

Ton - Sound 194.75 MHz/Mc 10 kW ERP

Kanal 99 - Channel 99 (CCIR)

Bild - Vision 615.25 MHz/Mc 200 kW ERP

Ton - Sound 620.75 MHz/Mc 20 kW ERP

BERLIN-WEST

GERMANY D.R.: Radio Berlin Int. 9730, full data card in 12 days, no IRCs. (Keller) 11970, orange card in 15 days air, no rp. (Miller) 9730, 'Venceremos' card w/all data in 3 weeks air, no rp. (Lobdell)

GERMANY F.R.: Deutsche Welle, 6100, 'Soccer' card in 110 days for 1 IRC. (Davidson) 6120, full data card in 10 months, no rp. (Gooden) card in 50 days air for 2 IRCs. (Brunner) 6040, card in 37 days air, no rp. (Parker) card in 61 days, 1 IRC. (Keller) 17830, card in 1 month air for tape report, no rp. (Lobdell)

Radio Liberty, 7295, blue/yellow card w/all details, 12 days air, no rp. sked also rcvd. (Mayer)

VOA, Munich, 9770, full data 'Capitol' card in 28 days. (Mayer)

Sudwestfunk, 7265, brown/yellow/green map card w/all data except time, 50 days air for EE report, 1 IRC. (Mayer)

GUINEA REP.: La Voix de la Rev. 9650, full data paper QSL and sked. 60 days air. Requests 2 IRCs. (Webb) 11965, form letter w/all data, 2 months air for EE/FF report and mint stamps. (used). (Bowlsby)

GUATEMALA: Radio Esquipulas, 1580, V/S. Jorge Albino Gomez verified that I sent my Radio Chortis report to wrong (WRTH-listed) town. Cordial letter asks me to visit (All right! Who in NASWA is trying to get me out of the country?) Please correct WRTH 74 address R. Chortis and Esquipulas are switched. (Reeves) You sure get some strange ones Scott!..Ed. TGN, 3300, 'Quetzal' card after 11 months. Said my report misfiled at station. (Reeves)

GREAT BRITAIN: BBC, no data card in 2 months, no rp. (Gooden) no data card in 15 days no rp. (Kulslinski) full data card !! in 28 days for 2 IRCs. My first BBC card since 1934! (Brunner)

GREECE: VOA-Rhodes, full data capitol building card, 15 days. (Hardenstjer) 6015, card and sked. in 5 days. (Garrow)

GREENLAND: Radio Greenland, card w/all data in 10 weeks air. (Johnson)

LIBYAN ARAB REPUBLIC
LIBYAN BROADCASTING SERVICE



الجمهورية العربية الليبية
الإذاعة الليبية

Date : 11 May 1972

التاريخ

Ref. : BTx 10000 R95

الملف

Dear Sir, Edward C. Shaw

We express our sincere thanks for the reception report you have kindly sent us dated 10 August 1971 regarding receiving Libyan Broadcasting Service programmes on frequencies 8630 khz

We are pleased to confirm that your report corresponds with our programme schedule.

It would give us great pleasure if you would continue sending us more reception reports.

GHANA: Radio Ghana, 11850, full data QSL, sked. 6 month for 3 IRCs. (Bowlsby)

HOLLAND: Radio Nederland, full data 'Handicapped' card, Dx info. etc. 9 days air for IRC. (Russell) full data card in 14 days for 2 IRCs. (Brunner) 9715, 'World Dx Handicapped Aid' card w/ braille text! 12 days air, no rp. (Mayer)

HONDURAS: Radio Juticalpa, 4780, letter and pennant in 2 months for SS report and mint stamps. V/S. Victor Rubi Zapata, Gerente. (Barto)

HUNGARY: Radio Budapest, 9833, green building card in 45 days air, no rp. (Miller) 9833, yellow bridge card w/all data in 50 days, no rp. (Brooker) 9833, card in 26 days air, 2 IRCs. (Keller) full data card in 52 days, no IRCs. (Kulslinski) Bridge card in 35 days, sked. rcvd. 2 IRCs. (Brunner)

INDIA: All India Radio, AIR, 11810, full data card and sked. 4 months air for 2 IRCs. (Lobdell)

INDONESIA: Borneo- RRI Banda Aceh, 4955, large post card w/view of temple, brief acknowledgement of report written on rear. Air in 6 months for II report. Heard while in Penang. (Padula) letter and post card, 20 weeks. (Sparks) Should be listed as Sumatra.

Celebes- RRI Manado, 5987, II letter from V/S. Rein Wuisang, 20 days for II report and 2 IRCs. (Hardester)

RRI Ujung Padang, 4719, EE letter and card registered airmail w/all details, from V/S. Slamet Poejono, Dir. 2 weeks for EE report. (Padula) letter and card w/photo of studio in 204 days registered air. Sent II/EE report and 2 IRCs. (Hardester)

Java- RRI Maidiun, 3286, II letter w/full data for II report. States power as 1 kw. (Henderson)

Radio Khusus Informasi Pertanian (Agracultural Info. Station) 4698, letter and card in II/EE, 19 weeks air for mint stamps. V/S. Ny Koentaryadi. (Sparks) EE letter and tortise shell bookmark! List power as 2 kw. Sent NASWA II report and mint stamps. (Henderson)

Sumatra- RRI Medan, 4765, II letter w/all data except freq. 2 months registered air for mint stamps. V/S. Anwar Sr. (Bowlsby)

IRAN: Voice of Iran, 9022, studio card and pennant, travel info. 6 months for 3 IRCs.

(Dean) 9022, full data card and plastic pennant in 5 1/2 months for mint stamps. (Brown) card, sked. and pennant in 6 months for 2 IRCs. (Rabone) 15084, card, pennant, postcards, and 279 page book on Iran! 5 months. (Lovett)

Radio Tehran (Home Svc.) 7065, card w/all data in 8 weeks air. (Padula)

IRAQ: Radio Baghdad, 9745, map card w/all data and sked. tourist info. (Flum)

ISRAEL: IBA, 15490, 'Menorah' card w/all details and sked., 53 days for IBA report card, no rp. (Brooker) 9495, '17th Century Jerusalem' (I killed that!..Ed) full data in 2 month, no rp. (Lobdell) full data card in 2 months, 1 IRC. (Wilson)

ITALY: RAI, 9575, painting card w/all details, 3 months see, no rp. (Lobdell) 6010, art card in 72 days, 1 IRC. (Davidson)

JAPAN: NHK, 9505, 2 full data cards in 14 days for 2 IRCs. (Brunner) 9505, 'Sumo Wrestler' card in 14 days, no rp. (Brooker) card w/no time, sked. etc. 10 days air, IRCs returned. (Rusesell) NHK, Sendai, 3259, verie letter w/no freq. or time in 10 days air. (Bowlsby)

KOREA S: Radio Korea, 11925/9640, card in 3 weeks. (Barto)

KUWAIT: Radio Kuwait, 15415, folder card w/info on station, program guide. no rp. (Brooker) folder card and sked in 9 weeks, no rp. (Lobdell)

LIBERIA: VOA Monrovia, 9640, Capitol card in 1 week. (Brunner)

LUXEMBOURG: Radio Lux., 6090, full data antenna card in 12 days for 2 IRCs. (Brunner)

MALAYSIA: BBC Relay, 7230, Thames card w/no data in 26 days, 1 IRC. (Schwartz)

MEXICO: XEQM, Merida, 6105, full data postcard and package of gifts including poster, record, decals. 3 months for NASWA SS report and mint stamps. (Estes)

MOROCCO: VOA-Tangeir, 15205, Capitol card w/all data in 9 days. (Parker)

MOZAMBIQUE: Radio Clube de Mocambique, 11780, full data card in 3 weeks air for EE report and mint stamps. (Bowlsby)

Radio Pax, 3960, usual card w/all details from V/S. P.A. Goncalves. 3 weeks for EE report and 1 IRC. (Hanner)

NETHERLANDS ANTILLES: Trans World Radio, 11815, card w/all details in 69 days, no rp. (Parker)

NEW BRITIAN IS: Radio Rabual, 3385, folder map in 1 month for 3 IRCs. New address is: P.O. Box 393, Rabaul, New Britain. (Kolb)

NBC National Svc. via Rabual relay, 5985, personal letter from V/S.

S. Pinau, air in 3 weeks for mint stamps. (Padula)

NEW GUINEA: NBC Mt. Hagen, 2450, personal letter from V/S. Kedeia K. Uru, Mgr. air in 2 weeks for mint stamps. (Padula)

Radio Madang, 3260, PNG folder card in 25 days air from V/S. Jon E. Koniel, 2 IRCs sent. (Hardester)

Admin. Brod. Svc. Wewak, 6140, letter in 10 months air. (Padula)

NEW HEERIDES: Radio Vila, 3945, folder card w/all data in 8½ months air, no rp. (Behr)

NIGERIA: Voice Of Nigeria, full data card in 1 month air, IRCs returned. (Bowlsby)

RTV Kaduna, 9570, grey full data card in 1½ months air for 2 IRCs after f/up.

(reeves) full data card in 23 days air for EE report, no rp. (Mayer)

NBC Sogunle, 4990, card in 3 weeks for IRC. (Sparks)

NORWAY: 17800, full data card and sked. 14 days air, 2 IRCs. (Brunner) 15175, card, pennant and sked, 13 days air for 2 IRCs. (Keller) card in 12 days. (Brooker)

PAKISTAN: Radio Pakistan, 17830, letter in 6 weeks air from Deputy Controller. (Padula) full data EE letter from Rwalpindi. 22 days air for 2 IRC. (Reeves)

R. Pakistan, Peshawar, 7095, prepared card in 4 months. (Dexter)

PAPUA: NBC Popondetta, 2468, folder QSL in 1 weeks for mint stamps. (Padula)

Radio Milne Bay, 3360, verie letter on NBC stationary (out of QSLs) V/S. Simon Muraga. 2 weeks air for 3 IRCs. No time or freq.! (Kolb)

Radio Northern District, 2468, folder w/all data in 3 weeks for mint stamps (used) (Bowlsby)

PERU: La Voz De La Selva, 4825, SS verie letter from V/S. Pierre Meunier M. .4 months for mint stamps. Their first report from Canada. (Behr)

Radio Tropical, 4935, card in 2 months for SS report and mint stamps, V/S. Juan Pablo Mori, Gerente. (Barto)

Radio Quillibamba, 5025, SS letter advising program was heard in local dialect, and extending greetings to all members of ARDXC. 5 weeks air. (Padula)

Radio Union, 6115, nice multi-colored card in SS, 9 weeks air for SS report. (Padula)

POLAND: Radio Warsaw, 15120, map card w/all data, 34 days for 3 IRCs. (Brooker) 9675, map card w/all data in 36 days. No IRCs needed. (Kulslinski)

PORTUGAL: 6025, Radio Portugal, 'Ship' card in 1 month. (Smith) 11895, card in 30 days air for 1 IRC. (Davidson) 'Ship' card in 28 days for 2 IRCs. (Brunner)

DW Sines, 9615, card in 8 months, no rp. (Bowlsby)

S.E.I.T., 9670, via RTE, full data foto card in 26 days air. (Reeves)

RUMANIA: Radio Bucharest, 9570, 'Folk Instruments' card w/all data in 63 days, no IRCs. (Schwartz)

R.S.F.S.R: Radio Moscow, 9770, full data card in 24 days air. Also sked. (Brunner) green card in 30 days air, no rp. (Brooker)

SABAH: Radio Malaysia, 4970, map card of Sabah w/no time from V/S. Humphrey Gom. 49 days air for 2 IRCs. (Hardester)

SARAWAK: Radio Malaysia, Kuching, 5005, large card in 2 weeks air for 2 IRCs. (Padula)

SOMALI REP: Somali Brod. Svc. 6095, full data antenna card w/official stamp in 23 days air for 2 IRCs. (Garrow) excellent catch!..Ed.

SOUTH AFRICA: RSA, 11970, card in 2 weeks air. (Baines) 9695, Diamonds card w/full data in 18 days, no rp. (Brooker) card and pennant in 21 days for 2 IRCs. (Keller)

ZUO Time Station, 5000, aerogram w/all data in 4 months. (Gooden)

SPAIN: RNE, 9630, card and sked in 18 days for 1 IRC. (Davidson) 6065, full data card w/px outline in 18 days. IRCs returned. (Russell)

Radio Liberty, 5955, blue/yellow full data card in 12 days air, no rp. (Mayer)

SUDAN: Radio Sudan, 9505//11855, form letter w/date only. V/S. Ali M. Ali, Public and International Relations dept. mint stamps. (Used). (Bowlby) Fine catch!! ..Ed.

SWEDEN: Radio Sweden, 11955, full data map card of Sweden in 33 days for 1 IRC. (Hardester)

SWITZERLAND: Swiss Brod. Corp. full data card in 32 days, no rp. (Brunner) 6120, 'Church' card w/all data, 41 days, no rp. (Brooker)

SYRIA: SBC, 9655, full data card and pennant in 1 year. Took 6 years of trying to get this one!! (Henderson)



TANZANIA: Radio Tanzania, 15455, card w/all details except time, 8 months. V/S. P.A.B. Derek, Chief Eng. (Estes)

THAILAND: Bankok Meteorological Radio, 7863, folder card in 8 weeks air for 3 IRCs. (Sparks) no data paper card in 18 days air for 2 IRCs. (Estes)

TOGO: Radio Togo, 5047, full data card in 3 weeks air for mint stamps and EE report. (Bowlby) map card in 24 days for FF report and 2 IRCs. (Hardester)

TURKEY: Voice Of Turkey, 11880, card in 80 days, no rp. (Brooker) card, pennant, and sked. in 26 days air, 2 IRCs. (Keller) Harem card in 32 days for 1 IRC. (Hardester)

Ankara Police Radio, 6540, new card w/full data from station. 9 months for 3 IRCs. (Calkin)

UKRAINIAN S.S.R.: Radio Moscow via Ivano-Frankovsk, 9765, card w/site in 2 months. (Bowlby) R. Moscow via Nikolayev, 9700, card w/site in 2 months. (Bowlby) card in 3 weeks. (Padula)

UNITED STATES: KGEI, 9505, new card of Golden Gate Bridge, air in 12 weeks. (Padula) WYFR, 17845, card in 2 weeks. (Baines) 'Mike' card in 15 days for 10g stamp. (Kulslinski)

VOA, 15205, card in 2 weeks, returned rp. (Kulslinski)

URUGUAY: Radio Ariel, 6075, letter signed by Francisco Gonzales Hernandez, 2 weeks after f/up. (Dexter)

Radio Carve, SS verie letter, pennant from V/S. Chelita Fontania Minelli, 4 months sea for mint stamps. (Reeves)

UZBEK S.S.R.: R. Moscow via Taskent, 7165, card w/site in 2 months. (Bowlby)

VATICAN: Vatican Radio, 5995, card and sked. in 12 days for 1 IRC. (Davidson) 11845, card in 21 days, no rp. (Brooker)

VENEZUELA: Radio Barquisimeto, 4990, card w/out time in 7 weeks for mint stamps. (Bowlby)

Radio Rumbos, 9660, 'Colonia Tovar' card in 38 days for SS report and 2 IRC.

(Brooker) card in 106 days sea for 1 IRC. (Mayer)

Radio Universo, 4880, usual globe network card in 16 days for mint stamps. (Hardester)

Radio Yaracuy, 4940, network card in 39 days for 1 IRC. (Lovett)

VIET NAM N: Voice of Viet Nam, Tay Bac, 6583, 12 weeks. (Sparks)

VIET NAM S: VTVN, full data card in 1 month for VV report and 2 IRCs after f/up. (Reeves)

YEMEN ARAB REP: QSLd my prepared card despite the fact that I spelled Yemen with a 'A'. Signed and stamped, sent mint stamps. (Reeves)

ZAIRE: Radio Mbuji mayi, 7295, letter signed by Tshilumba Mubuike Mulemuedi, le chef de Bureau Charge de la Technique. 6 KW. (Dexter)

Scoreboard

EDITOR:

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DEADLINE: 10th of month

TEL: (901) 872-2133
Saturdays in PM please

Please note address change

SCOREBOARD

This report is published quarterly in March, June, September and December. SPOTLIGHT this month is on South America, and will fall on North America in December. We have gone to a new and self-explanatory set of abbreviations in the headings this month. This should certainly be less confusing than the old system. C/H=countries heard, C/V=countries verified, S/H=stations heard and S/V=stations verified. I'll be glad to hear comments from contributors, and if the response is negative we can always go back to the previous system. Please update your totals at least semi-annually to keep your name on the list. NASWA has over 700 members at present, yet the simple five minute task of sending totals to this editor has been accomplished by only 10% of you. Let's make SCOREBOARD truly representative. Don't sit back and look at the others just because your totals aren't impressive--- you'll enjoy watching your name move up the ladder with each new update.

REPORTER/LOCATION	C/H	C/V	S/H	S/V	S.AMERICA		BEST QSL/FREQUENCY
					C/H	C/V	
1 Don Jensen, Wisc	216	211	---	---	---	---	-----
2 Gerry Dexter, Wisc	211	207	970	766	---	---	-----
3 James Young, Cal	211	180	687	216	---	---	-----
4 Samuel Barto, Ct	207	190	1125	584	---	---	-----
5 John Campbell, Switz	204	179	---	---	13	11	Porkknockers BC Svc3060 Guyana (pirate)
6 Bob Padula, Austrla	203	198	---	---	---	---	-----
7 Dan Henderson, Md	202	188	---	---	---	---	-----
8 Edward Shaw, Va	202	183	504	255	---	---	-----
9 Ernie Behr, Ottawa	200	152	940	265	---	---	-----
10 Bill Sparks, Cal	199	192	---	584	14	14	Galapagos 3520 R. Encarnacion
11 Marlin Field, Mich	197	192	782	633	---	---	-----
12 Marvin Robbins, Neb	194	157	748	395	---	---	-----
13 Ralph Perry, Ill	191	181	---	---	13	12	Escuela R. Pop. 3985
14 Bill Flynn, Cal	191	173	682	449	---	---	-----
15 Alan Roth, NY	191	171	559	425	---	---	-----
16 Al Niblack, Ind	191	118	---	---	---	---	-----
17 Jim Hagen, Va	189	65	---	---	---	---	-----
18 Alan Mayer, Ill	185	136	---	---	14	12	Galapagos 3520
19 Gregg Calkin, Pakistn	181	165	409	314	---	---	-----
20 Scott Reeves, Md	176	141	---	---	---	---	-----
21 Bruce Churchill, Cal	170	145	230	179	---	---	-----
22 Don Johnson, Cal	164	112	321	172	---	---	-----
23 Larry Yamron, Pa	161	119	305	160	---	---	-----
24 Tom Gavaras, Minn	160	114	279	198	---	---	-----
25 Steven d'Adolph, ND	159	130	195	157	---	---	-----
26 Albert Miller, Oh	153	129	343	154	---	---	-----
27 Mike Ryan, Cal	---	151	---	---	---	---	-----
28 Larry Abraham, Mi	146	106	262	143	11	8	Galapagos 3520 Escuela R. Pop. 3985
29 Doug Snyder, Cal	143	101	---	---	12	9	GBS Guyana 3290
30 John Sgrulleta, NY	141	134	---	---	---	---	-----
31 Charles Wooten, Mor'co	137	104	287	222	---	---	-----
32 Al Reynolds, Tn	136	107	247	134	---	---	-----
33 Neal Perdue, Tn	136	52	---	---	10	1	Rio Amazonas 4870
34 Rich Koret, NY	134	90	---	154	---	---	-----
35 Tom Cwikla, Ct	133	114	257	182	---	---	-----
36 Mark Duba, Vt	133	104	---	---	---	---	-----
37 Elliot Straus, NJ	132	59	---	---	---	---	-----
38 Larry Marshall, Cal	131	111	190	165	---	---	-----
39 Doug Burlew, Pa	131	48	291	60	---	---	-----
40 Andrew Pappas, Ill	130	118	130	118	---	---	-----

REPORTER/LOCATION	C/H	C/V	S/H	S/V	S.AMERICA		BEST QSL/FREQUENCY
					C/H	C/V	
41 Joey Nonnast, Tx	130	110	229	155	11	10	Galapagos 3520
42 K. Greer, NC	130	80	---	---	---	---	R. Rumbos 9660
43 Greg Kelley, Va	129	96	152	123	8	6	R.A.E. 9690
44 Jerry Lineback, Ill	129	61	266	78	---	---	Rdf.Maranhao 4755
45 Edward Pyatt, Ga	127	103	---	---	---	---	-----
46 Steve Wallace, Pa	127	53	---	---	---	---	-----
47 Neal Kolb, Fla	124	72	273	---	---	---	-----
48 Richard Schwartz, Del	121	81	167	118	11	6	Vo Chile 15150
49 David Simon, NY	121	77	271	146	---	---	-----
50 Marty Austin, Cn	118	84	211	123	---	---	-----
51 Bill Paschke, Wisc	118	73	239	89	11	6	GBS Guyana 3290
52 Steve Estes, Va	118	53	205	59	---	---	-----
53 Denny Driscoll, NC	116	102	---	---	---	---	-----
54 Wade Smith, Mass	114	58	---	---	---	---	-----
55 C. Patterson, Ga	113	101	---	---	---	---	-----
56 Arthur Smith, Ala	111	80	---	---	11	6	Galapagos 3520
57 Mac Leonhardt, Ind	107	65	---	---	---	---	-----
58 Woody Seymour, NC	104	89	---	---	---	---	-----
59 Jeremy Forster, NS Can	104	59	---	84	---	---	-----
60 David Ball, Ontario	102	86	156	112	7	6	GBS Guyana 3290
61 Michael Agner, NJ	97	63	193	66	---	---	-----
62 William Zuk, NY	97	55	---	---	---	---	-----
63 Elton Hewitt, Id	95	81	116	102	---	---	-----
64 Mildred Marshall, ND	94	86	134	118	---	---	-----
65 John Kolb, Cal	94	84	110	101	6	6	R.Del Pacifico 4975
66 Corky Webb, Tx	93	77	159	108	---	---	R.Nac Venez. 6170
67 Larry Nebron, Cal	93	60	125	80	---	---	-----
68 Jerry Word, Ga	89	75	---	---	---	---	-----
69 Wallace Peters, NY	86	50	96	54	---	---	-----
70 William Plum, NJ	84	70	169	127	---	---	-----
71 David Coursey, Tx	80	51	136	56	---	---	R. Guatapuri 4915
72 Donald King, Pa	71	60	106	82	---	---	-----
73 Henry Fino, NY	70	49	86	54	---	---	-----
74 John Walenter, Ill	67	62	73	68	---	---	-----
75 Frank Hermann, Montreal	65	52	89	61	2	2	-----
76 Ciro Guarducci, B.C.	65	49	123	68	---	---	-----
77 Norman Starr, Oh	60	22	---	---	---	---	-----
78 Mark Brown, Oh	58	48	82	67	---	---	-----
79 W. Russell, Ill	56	19	75	19	5	1	-----
80 J. Cole, Col	51	30	61	31	---	---	-----
81 R. MacLeod, Pa	48	7	73	12	---	---	-----

HELPING HAND HELPING HAND HELPING HAND HELPING HAND HELPING HAND HELPING HAND HELPING HAND

For Sale Gilfer A20 preselector in mint condition \$35. ...Unique Long Wire antenna tuner, mint condition, \$50....Ameco PCL-P preamplifier, good condition, \$25. I'll pay freight. Write or call after 5 pm CST. John Walenter, 3634 Nichols, Franklin Park, Ill 60131. Phone 312-678-5590.

For Sale Heathkit SW717 general coverage SW receiver (& MW), Goldline antenna tuner, and Q-Box audio filter, all in excellent condition, \$75 ppd. Jeff Hambricht, 45 Claude Ave., Denville, NJ 07834.

For Sale Allied SX190 receiver, very good condition, includes rack panel, crystals for 3.0-3.5, 4.7-5.2, 21.5-22-MHz, also matching speaker. \$225...Realistic Astronaut 6 (has AM, FM SW4-22 MHz), high & low VHF bands. \$50. Good condition.... Realistic DX150A, for \$50 w/rack panel, S-meter bad, and needs tuneup, have shop manual. Must send certified bank check. Will ship COD in USA. Bill Coleman, 114 Circle Drive, Rocky Mount, NC 27801. Phone 919-443-4030. No collects, best time 8-12 pmoon EDT.

For Sale DX150B, matching speaker & DC adapter, 8 mo old, excellent condition, original packaging, \$125 or highest bidder....QBox w/battery, new, \$8...Lawson Booker, 1932 Republic Avenue, Columbus, Ohio 43211.

For Sale Heathkit GR64 receiver, \$20 plus shipping, or will trade for clean Hallicrafters S-38B in good condition. Also, Mosley SWV-7 vertical antenna, never used, \$30. Also, LR record "History of Offshore Radio"...\$4....WRP's "Broadcast ID tape", volume 2, Latin America, \$3....Ameco Code Course, 22 lessons in 11 discs. \$10. Write G.L. Dexter, RR4, Box 80-D, Lake Geneva, WI 53147

NEEDED Designs for new NASWA rubber stamp. Send to Dan Ferguson at HDQ. (Box 8452, S.Charleston, WV 25303).

LISTENER'S

EX?



SURVEY RESULTS SPOTLIGHT, PART X

Credits to the Spotlight go to George Schnabel, "Numero Uno, SWBC - Weekly", FRENEX, and observations by other DX'ers and ye ed.

Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, VA 23225

Deadline: 15th

* ISRAEL The IBA has its main studios in Jerusalem and administrative offices out in the suburb of Romema. The complex includes several 300 KW transmitters, however, these are connected to antennas with incomplete slewing devices. The IBA is also plagued with top heavy bureaucracy, strict censorship, labor unrest, and a

reduced budget. The IBA frequently changes frequencies some of which they announce, some of which they do not announce. They just recently changed from Standard Time to Daylight Savings Time thus moving their programming up one hour. Currently, the best bet for hearing them is on 12025 KHz at 1900 hrs GMT for a forty minute program in English. Also tune 15490. This frequency is not announced but 15405 is. Nothing was heard on 15405. Other announced frequencies are 15100 - covered by QRN; 11700 - covered by QRN; 10250 announced but 10245 measured, very weak. Also announced are 9815, 9495, 7395, and 9009, the last beamed to South Africa. Other English programs are a fifteen minute newscast rebroadcast from the National Svc which may or may not be weakly audible on 9009 at 0400. Early in the morning, there is a half hour broadcast sometimes including commercials on 15135, which is now aired at 1030 GMT. This signal is rarely heard.

(George, many thanks for this frank and revealing Spotlight - ed.
George Schnabel, NY)

* SWAZILAND Temperate and subtropical southern Africa houses Swaziland. Here, livestock is the mainstay of the economy while coal, asbestos, iron, and timber are exported. As an aside, it might be noted that much of the iron goes to Japan. English is the official language here but Bantu dialects are spoken too by the Swazi tribes. Swazi Music Radio is presently the only shortwave station on the air from this country but soon, the TWR station should be going into operation (see elsewhere in LN for more info on TWR-Swaziland). WRTH tells us that the studios of SMR are in Johannesburg, South-Africa(!) but the transmitters are in Mbabane - the capital city of Swaziland. Also reports are to be sent to Mbabane. SMR is a commercial service featuring rock and roll music and, of course, commercials; similar to the South-African or Mozambique commercial svc's. Reception in NA is rather limited. SMR broadcasts on 6155 KHz. Does that freq sound familiar? Yep, that's right - that is where Vienna, Austria, and DW like to hang out and blast away. It is possible to hear SMR tho in NA. Wait until favorable conditions from Africa prevail. Then, signals from the European stations are usually attenuated, or much weaker than normal. At this time, SMR may possibly override the European stations and be heard in NA. Good copy has been reported fm SMR during such conditions, both on ECNA and WCNA; and in the areas in between. Listen around 0400 til well into the early morning hours - local time. Again, the freq is 6155. It might be mentioned too that there was a rumor going around a year or two ago that SMR would possibly use 3232. It might pay to check this freq out too from time to time.

* COMORO ISLANDS Located between Mozambique on mainland Africa and the island nation of the Malagasy Republic are the Comoro Islands. The Comoro's lay about mid way between these two land marks on your globe, in the Indian-Ocean. The French speaking people on these mountainous islands raise spices, and to an extent raise some cattle too. There is a station at Moroni operated by the ORTF which provides shortwave radio coverage for the islands composing the Comoro chain, and also for her neighbors. Listeners in NA have been able to tune 7260 KHz to collect bits and pieces of the transmissions from Moroni. The going on 7260 has traditionally been tough. ORTF-C often signs on at 0330 after their interval signal and the French national anthem, LM. Comorian is scheduled from 0330-0400; then French fm 0400-0430 sign off. Some recent reports indicate that ORTF-C has extended its sked for a few hours past the 0430 listed sign off - but this info is purely hear-say, and is yet to be confirmed. When tuning for ORTF-C, the overriding station you will hear will probably be the BBC which has French also around 0330+. They (the BBC) also has German at 0530A. To complicatr things some more, Moscow also likes to use 7260 around this general time period. Furthermore, watch out for the East German Stimme der DDR regional station operating here in German around 0400 also. ORTF-C uses the additional outlet of 3331 KHz. There has been a tentative logging of them on this 90 meter freq in August. Whenever you get traces of the other ORTF station in Reunion on 2446 KHz; it just might be a good idea to give 3331 a whirl and hope for the Comoro's.

ARGENTINA Tentatively hrd R Provincia de Santa Cruz on 6075 w/vy wk sigs around 1154, but can find no info on it. Can anyone help?? (C. Wootten, MD)

BANGLADESH English in the External Service from Decca is as follows:

0445-0515 to ME, India, Pakistan on 17695, 15455
 1230-1300 Europe 15520 (by permission, BBCMS)
 1815-1900 Europe 11635, 9550
 1900-1915 Europe 11635, 9550

BRAZIL R Nacional de Brasilia dropped back to their old freq of 15445 for some unkn reason and is suffering heavy QRM fm VOA, Moscow, and WYFR. (Charlie Wootten, MD)

CENTRAL AFRICAN REPUBLIC Central African Television Broadcasting, P.O. - Box 940, Bangui, C.A.R., b/c fm 0430-2300 on 5035 and 7220. The language used is Sango-French. (Ken Earhart, PA)

CHILE The Voice of Chile broadcasts on 6190, 9510, 15150 fm 2030-0500; 0900-1200. They air seven different languages for 20 min's each as follows:

Arabic	2030-2050	2250-2310	0110-0130	0330-0350	0900-0920
Russian	2050-2110	2310-2330	0130-0150	0350-0410	0920-0940
German	2110-2130	2330-2350	0150-0210	0410-0430	0940-1000
Italian	2130-2150	2350-0010	0210-0230	0430-0450	1000-1020
French	2150-2210	0010-0030	0230-0250	0450-0510	1020-1040
English	2210-2230	0030-0050	0250-0310		1040-1100
Spanish	2230-2250	0050-0110	0310-0330		1100-1120

(by way of Ken Earhart, PA)

CLANDESTINE The Free Voice of Cyprus (Elevtheri Foni tis Kiprou) is operating in Cyprus. It is using 6663 at 0500, 0800, 1130, and 1530. (by permission, BBCMS obtained by monitoring V. of Truth)

DOMINICAN REPUBLIC Radio Clarin: Fm Monday to Friday at 0030, R Clarin b/c's a pgm entitled, "Clarín International" where reception reports from all over the world are read over the air! There was no indication of the language, but probably Spanish. Clarin uses 4850 and 11700. (by way of Don King, PA and Mike Peraanah, MN)

FRANCE ORTF replies to a question about its proposed reorganization: "Thank you for your interest. The French Radio & TV Svc will be completely reorganized within the next 6 months. I regret that I can not tell you at this time what direction this will take. We also, are waiting for news!!" The date of this info was 7/6/74. (interesting Chuck...Chuck Gooden, MN)

HOLLAND The latest sked fm R, Nederland has been supplied to us by Keith Russell, IL

21.20-22.50 GMT, to NORTH AMERICA (east)
 freqs: 11730 and 19715 kHz
 4.30-5.50 p.m. Central Daylight Saving Time
 5.30-6.50 p.m. Eastern Daylight Saving Time
 6.30-7.50 p.m. Atlantic Daylight Saving Time

02.00-03.20 GMT, to NORTH AMERICA (east)
 freq: 11730 kHz
 8.00-9.20 p.m. Mountain Daylight Saving Time
 9.00-10.20 p.m. Central Daylight Saving Time
 10.00-11.20 p.m. Eastern Daylight Saving Time

05.00-06.20 GMT, to NORTH AMERICA (west)
 freqs: 8975 and 8515 kHz
 10.00-11.20 p.m. Pacific Daylight Saving Time
 11.00-12.20 p.m. Mountain Daylight Saving Time

INDONESIA Let me bring your attention to last month's LN, page 2. Do you notice anything missing? How about the freq's! Let's try 'er again ... sorry gang-DJ.

a. 3324	f. 3578	k. 3909
b. 3421	g. 3762	l. 4985
c. 3459	h. 3778	m. 9510
d. 3474	i. 3800	n. 11770
e. 3484	j. 3893	o. 11790 // 6045

INDONESIA - SUMATRA Scott Reeves, MD, has passed along the latest sked fm the RRI network, Nusantara III, which operates on the island of Sumatra. The freq's were given only in two digit meter

readings. The freq's in () are the interpreted freq's by the LN editor.

Tanjungarang	75m (3905-?)	0930-1600;2200-0130	
Palembang	61m (4855)	0900-1600;2230-0100	(many thanks
Jambi	60m (4927)	1000-1600;2300-0100	for sharing
	89m (3375)	0900-1500;2300-0200	this inform-
Pekanbaru	50m (5855)	0900-1600;2300-0100;0300-0715	ative sked
Tanjungpinang	60m (4930)	0900-1200;2300-0100;0500-0715	w/US Scott)
Bukittinggi	61m (4885)	0930-1530;2300-0300	
	90m (3232)	1100-1530;0500-0700	
Padang	75m (3960)	0900-1600;2230-0030;0200-0500	
	48m (6170)	0200-0700	
Sibolga	57m (5260)	1000-1600;2300-0030;0600-0800	
Bandaaceh	60m (4955)	1000-1600;2300-0100; 0500-0800	
Medan	50m (5087)	1430-1700;2300-0100;0500-1000	
	63m (4764)	1000-1430	
	88m (3414)	1000-1200;2300-0100;0500-0700	

INDONESIA The Indonesian New Agency (Antara) has quoted the Minister of Information as saying that RRI has 47 b/c'ing stations using 127 xmtr's. The poor condition of these xmtr's has reduced their power output. It was also anc'd on July 15 by the Minister of Info that Radio Republik - Indonesia and Televisi Republik Indonesia would merge into a single public corporation, it was hoped, next year. (by permission, BBCMS)

IRAN The Home Svc from Tehran, Radio Iran, b/c's fm 0200-0935 on 17735, 15084, 9050,7065. (Steve d'Adolf, ND; and by permission, BECMS)

MALAWI The address of the Malawi E/c'ing Svc is P.O. Box 30133, Chichiri, Blangyre 3, Malawi. They b/c fm Blantyre on 7100 (the alternative freq) fm 0600-1710, on 5995 fm 0600-1615, and 3380 fm 0257-1110, 1300-2210. (Ken Earhart, PA; and by permission, BECMS)

MOZAMBIQUE RC de Mocambique is now under "military administration" due to reports that RCM provided false information about recent Portuguese political events. (World Wide DX Club via Charlie Wootten, MD)

PANAMA * * * According to Ben Cummings, while making a guest appearance on HCJB's DX Party Line, there may be a SWBC station operating in a year or so from Panama. The xmtr is a 10 KW job, and is being reconditioned for use in the tropical bands, although the situation is not definite yet. Welp, let's keep our fingers crossed gang-ed. (Mike Ross, NY)

PHILIPPINES An Indian DX'er in Siliguri, India, rpt'd that a new station called Radio Voice Manila, DGU6, was hrd at 1200 on 9770 in EE; and gave the address as Radio Voice, DGU6, P.B. 4148, Manila, Philippines.does anyone have any info on this one? - ed. (Charlie Wootten, MD)

<u>RHODESIA</u> The General Svc fm Gwelo:	The African Svc fm Gwelo:
6020 fm 0545 (Su 0458)-1630 (Sep-Mar)	5975 fm 0530 (Su 0458)-1630 (Sep-May)
5016 0545 (Su 0458)-1630 (Apr-Aug)	4825 0530 (Su 0458)-1630 (Jun-Aug)
3396 0355 (Su 0458)-0615, 1545*	3306 0328 (Su 0458)-0615, 1530*
2425 0355 (not Su) -0430, 1700*	2336 0328-0430 (not Su), 1700*

* = closedown (by permission, BECMS)

SIERRA LEONE SCDX Bulletin No 1284 rpt'd a letter received by an Australian DX'er fm SLBC that said..."a 250KW xmtr may soon be in operation. The reserved freqs are 3316, 5980, 9630, but the use of then will be decided after tests." Testing should already be in progress by the time you read this. (by way of DX'er Charlie Wootten, MD)

SWITZERLAND The Red Cross Broadcasting Svc will b/c on SEPT 16,18,20; and in NOV 18,20,22 - fm 0600-0700, 1130-1230, 1700-1800, 2300-2400. The freq to be used is 9600. (Richard Schwartz, DE)

SWITZERLAND The Swiss E/c'ing Corp. is now noted in EE to NA at 0145-0215 on 6120,9535,11715, 15305. (Charlie Wootten, MD)

***** SWAZILAND ***** F L A S H The Trans World Radio station in Manzini is heading towards completion. Testing on a dummy load will begin in late Aug into early September. On the air tests should begin mid-September or early October with pgm'ing possibly to start Novl. The towers have been installed but antennas are not complete as of 8/8/74. There will be 6 log-periodics made by TGI w/10 db gain on different directional beams to Southern Africa with two omni-directionals. The station will comprise 4 xmtrs w/6 freq's ea at a power of 25 KW; w/Collins, GE, and Scully studio consoles and studio equipmt. Lang's will at first be limited to EE, Afrikaans, and Zulu; with Swahili, German, and Portuguese to be added along with others. Freqs possible for the tests range fm 90 meters to 13 meters. Look on 3203,3388, 3920 w/alternates, 3935, 3940 if necessary. Also the following could be used while testing: 6175,7135,9615,9625,9640,9670, 9760,11715,11810,11910,15135,15165,15235,17775,17850,17865,21480,21670, 21720. Times: Good times to try will be 1600-2000, 0300-0600 to begin with. (IT SHOULD BE POINTED OUT THAT THE FREQS ARE ONLY TENTATIVE, BUT RELATIVELY CERTAIN) (Outstanding Danl ... Dan Robinson, Swaziland)

TAIWAN The following info was gleaned fm SPEEDX: Armed Forces Taiwan Network (AFNT) is authorized to operate on the following freq's w/a pwr of 10 KW: 11780, 15320,7215, and 3990. Due to budgetary limitations, they are not yet using the listed WRTH freq's. 3990 and 7215 are currently on the air 24 hrs a day except for a break on Tuesdays between 1705 and 2100. (SPEEDX via Charlie Wootten, MD)

TANZANIA Radio Tanzania is sked'led fm
0330-0350 on 6135 1600-1830 4785
0900-1050 9750 1700-2200 15435/4825
(Charlie Wootten, MD)

USA WYFR uses a new Continental 100 KW xmtr, mfg'd in Dallas. Other equipmt consists of two Gates 100 KW xmtrs, 1 Gates 50 KW, and 1 Continental 50 Kw 'er. (Ed Insinger, NJ)

USA WYFR b/c's to Caribbean & Americas fm
2045-2245 on 15345, 15135
2245-0245 15215 11855
2245-0045 15135
0045-0245 9715, 5985
0245-0445 15215, 9715
(by way of Ed Insinger, NJ)

USA Try the Voice of the O.A.S. on 9640 at 2345. Their address is Organization of American States, R & T Division, Washington, D.C., 20006. (via Charlie Wootten, MD)

xmtr = transmitter
xnsn = transmission
s/on = sign on

s/off = sign off
IS = interval signal
ID = identification

BECMS = British Broadcasting Corp.-
Monitoring Service

USSR - RUSSIAN TRANSMITTER SITES VERIFIED: by Al Sizer By going thru the past three yrs of FRENDX, SPEEDX, AND NU and then enlisting the help of top Russian DXer, Gerry Dexter, I have compiled the following list of 57 Soviet xmtr sites that have been verified by DXers. For the record, there is one more - Kishinev, Moldavia SSR, which has been verified by some of the older DXers but has not been active on SW for a number of yrs. If you have any corrections or additions please send them in so that the list may be improved. In addition by culling the pages of WRTH and a special supplement it put out on Russian stations in 1973, I have appended a list of 14 presumed Soviet sites which have never been rpt'ed verified.AL SIZER

EUROPEAN USSR (20)

Archangelsk
Armavir
Gorki
Kazan
Konevo
Kursk
Kalach
Kalinin
Leningrad
Mitchurinsk
Moscow
Murmansk
Orenburg
Riazan
Serpukhov
Sverdlovsk
Vologda
Voronezh
Tula
Zhigulevsk

LATVIA SSR

Riga

KHIRGHIZ SSR

Frunze

TURKMEN SSR

Ashkabad

(Except for Volgograd, European USSR, which is listed in current ITU high freq schedules for 6065 KHZ)

ASIATIC USSR: Anadyr, Khanty-Mansiysk, Syktyvkar, Ufa, Ulan Ude, Palana (Kamchatka), Yuzhno-Sakhalink.

KAZAKH SSR: Dzambul, Kyzl-Orda, Petropavlovsk, Semipalatinsk, Uralsk.

AZERBAIDJAN SSR: Lenkoran.

(Outstanding! Many thanks Al and Gerry ... Al Sizer, CT; G. Dexter, WI)

VENEZUELA The special EE b/c fm R. Nac de Venezuela on 15390 & 11750 noted prior to 2200 w/fair to good sigs. 11750 not hrd. (Charlie Wootten, MD)

YEMEN, NORTH Radio San'a and that it had introduced a new freq, 7346 (tho found to be operating on 7280), in addition to the regular 5805. Look for them between 0400-1400. They request rpts to: Broadcasting House, (Technical Section), Yemen Arab Republic. (by permission, BBCMS)

ZAMBIA The Home Svc fm Lusaka: NOW, the External Svc, also fm Lusaka:
9505 fm 0715-1345 0550-0715 in EE on 17895, 11880, 9580, 7220
7220 0600 (Su 0715)-1545 4965
6060 throughout 1050-1215 "
4911 0255 (Su 0355)-0700; 1550-2130 "
1400-2105 (2005 Su)
3295 0255 (Su 0355)-0534; (by permission, BBCMS)
1600-2105 (s005 Su)

ATTENTION, ATTENTION, ATTENTION DX'ERS!!!! This news has been lifted word for word fm SCDX Bulletin 1286: "By the way, it is w/great disturbance we learn fm the Soviet Union that one of our Russian friends has been in trouble w/the authorities after that his name was mentioned in Sweden Calling DX-ers. It has also been rept'd that DXing will be prohibited in the Soviet Union, and in the future DXers will be prosecuted. Well, if this is true, it means a very regrettable set-back to the peace-promoting hobby of DXing, and it also hurts the friendly relations between Sweden and the Soviet Union." I will agree w/Arne Skoog (the ed of SCDX) that this is regrettable, and it is just one more thing to make me happy that I am an American citizen and live in the United States w/its inherent freedom and rights. The Russian DXer needs your prayers. (by way of Charlie Wootten, MD)

Just enuff space left to say THANKS! to all of our contributors for their vly valuable and necessary support. Hope to hear from YOU next month!

ASIATIC USSR (15)

Blagoveschensk
Chita
Irkutsk
Kenga
Khabarovsk
Komsomolsk on Amur
Krasnoyarsk
Magadan
Nikolaevsk on Amur
Novosibirsk
Omsk
Petropavlovsk (Kamchatka)
Tyumen
Yakutsk
Vladivostok

BYELORUSSIA SSR

Minsk
Orsha

UZBEK SSR

Tashkent

ARMENIA SSR

Yerevan

TADZHIK SSR

Dushanbe

UKRAINE SSR (7)

Ivano-Frankovsk
Kharkov
Kiev
Lvov
Smferopol
Starobelsk
Vinnitsa

AZERBAIDJAN SSR

Baku

ESTHONIA SSR

Kingisepp
Tallinn

LITHUANIA SSR

Kaunas

KAZAKH SSR

Alma Ata

FINNISH-KARELO SSR

Petrozavodsk

GEORGIA SSR

Tblisi

SITES LISTED BY WRTH BUT NOT VERIFIED:

LOG REPORT

DEADLINE 15th of month

Reports to the separate editors, direct, as noted below.

BEGINNING IMMEDIATELY REPORTS FOR LOG REPORT SHOULD BE SENT DIRECTLY TO THE INDIVIDUAL LOG REPORT EDITORS. THE ADDRESSES ARE:

Section A(1605-6200 kHz)	Section B(6201-11600 kHz)	Section C(11601 kHz up)
Dan Ferguson Box 8452 South Charleston, WV 25303	M. R. Leonhardt P.O. Box 13 Liberty, Indiana 47353	Jerry A. Lineback 411 South Fourth St. Joseph, Ill. 61873

This change will allow the editors to spread their work out a little, and still therefore eliminate some of the last minute rush experienced each month in getting FRENDX in the mail.

It is realized that some reports will already be in the mail before this issue of FRENDX is received. Therefore, the usual distribution from Liberty, Indiana, by Mac Leonhardt will also be made for the October issue; as well as direct receipt of loggings by the editors. After the October issue, all loggings reports should go direct to the various LR editors.

Now to the section "A" loggings...

Most notable of the loggings below is that of Antarctica on 6012 kHz. A new country, and a new continent!!!!

- 2307 INDONESIA RRI Jakarta, strong with Indo songs(Tyson-Australia) Time? (DF)
2340 PAPUA NEW GUINEA R.West New Britain, Kimbe, EE 1147, vocals 1152, wiped out by RTTY. Again 1234* w/GSTQ. Occasionally mixes with, but usually on top of, Foochow, China, same fqy. (Hill)
- 2360L GUATEMALA R.Maya de Barillas, 1050 rel px, seemingly, but almost gone(Ferguson)
2370 INDONESIA RRI Surabaya, Indo news 1100-1105(Tyson-Australia)
2376 PAPUA NEW GUINEA R.Chimbu, Kundiava, 1237 vocal music, native tlk(Hill)
2377 INDONESIA RRI Jakarta, Moslem vocals 1110.(Tyson-Australia)
2390 GUATEMALA LV Atitlan, 0252 SS w/M host, TC, superb(Shaw) 0310(Ferguson)
2400L VENEZUELA R.Tiempo, 0245, ultra low unintelligible SS intoneations, useless. (Shaw) TBS list 1000-0400 w/LKW (DF)
- 2410 PAPUA NEW GUINEA R.Goroka, S.Seas type vocal 1210, Pidgin, by woman, Islands choral music, great signal 6/29.(Hill)
- 2415 CHINA Chekiang JKT, Wenchow, "Internationale" 1228, armt by W, off 1230 on Sun. Both TBS & WRTH show past 1500.(Hill)
- 2420L BRAZIL R.Caraja, 0240 definite PP by man, vocals & soul(Shaw)
2428 PAPUA NEW GUINEA R.New Ireland, Kavieng, children's chorus 1212, Pidgin, Islands choral music, great signal.(Hill) Weak signal 1000, but can't ID(Ferguson)
- 2440 INDONESIA RRI Surakarta, 1159 stn ID, then Indo news.(Tyson-Australia)
2446 REUNION OHTRO230 FF, low lvl, increasing to good at 0235, EE & FF pops(Shaw) FF, lite mx, peaked 0240, almost gone 0300, poor(Wallace)Poor to fair 0245(Ferg.)
- 2450 PAPUA NEW GUINEA R. Western Highlands, Mt Hagen, CW songs 1215, Pidgin, Not as good as other 2 MHz PNG sigs, has QRM, possibly RRI, Jakarta same fqy(Hill) Also on Sat w/S/off 1305 w/GSTQ. TBS & WRTH show daily 1230 s/off(Hill)1128-40(Bowlesby)
- 2450 INDONESIA RRI Jakarta, 1130 Metropolitan Service in EE, noted 1130-1200(Tyson)
2468 PAPUA NEW GUINEA R.No.District, Popondetta, male chorus, drums 1218;Pidgin, CW songs 1220(Hill) CW songs & other songs from 0954, app news by man in EE or Pid 1000, tlk 1010, app pgm notes or news of area activities 1020. Signals also at 1030 on 2340, 2450, 2410, etc, but too weak. Bougainville, Rabaul, etc., doing extremely well as early as 0830. (Dexter) Sig here, but too weak to read, at 0900+(Ferguson)
- 2475 INDONESIA R.Angkatan Udara, mixed w/CW stn 1120; Indo ads, songs, armts(Tyson)
2490 INDONESIA RRI Ujung Pandang, 1cl ID 1230, then variety mx px, mixed another Indo station. (Tyson-Australia)
- 2598 N.KOREA Wonsan, in Korean 1125. Fqy does vary from 2600 after all, so WRTH list of 2597 is justified.(Hill) TBS shows varying 2597-2619.(DF)
- 2765 N.KOREA Pyongsong(DSWCI) or Kaesong(WRTH); M&W in strident Korean 1115; is 1cl program, not Pyongyang relay. ?/13(Hill)
- 3047 INDONESIA RKPDK, Sampang, Madura Islands, noted 1125, Jakarta mx 1125(Tyson)
3121 INDONESIA RPKD, Serang, 1445 Indo songs, armts(Tyson-Australia)
3203 NUMBERS 0250 EE IL w/numbers. Sig at 40 over. Hope no SWECer gets hold of that transmitter! (Wallace, Burlaw)
- 3215 INDONESIA RRI Ujung Pandang, 1130-1500+ w/Indo px(Tyson-Australia)
3217U UNID, Instr. mx 0310, maybe SS or PP. Imagination level. Maybe IL voice(Shaw)
Believe the Dominican used to be on 3218. TBS shows them on 3216 now. (DF)

- 3255 BRAZIL R.Cl. de Marilia; mx, M anc 0820 tune; IDs; good lvl w/band fairly (DF) quiet & open to Brazil. (Dexter) Just realized I have this before the Fol. Sorry
- 3240 PERU R.America, Lima, SS 0245, US pops(Hill) T, 0545-0630+ LA mx, ads, jingles, M&W ancrs. (Tuchscherer)
- 3250 S.AFRICA SABC, 0230-0508+, gone when rechecked at 0530; EE, lite mx, ads. Ad for a beach, but isn't it winter there now?(Earhart, Wallace, Brunner)
- 3255 VENEZUELA LV del Tigre, 0210-0230+ LA mx, SS(Tuchscherer)
- 3260 NIGER ORTN, 0535-0557 f/o, chants, Af mx(Boomer) 0550 flute mx(Rippel)
- 3265 BRAZIL R.Ribeirao Preto, 0848 t/i w/two ancrs, ID w/organ notes 0900(Dexter)
- 3280 ECUADOR LV Del Napo, 0135-0205 SS, LA mx, IDs, NA at s/off(Tuchscherer) Was s/off at 0205?(DF)
- 3290 GUYANA Action Radio, 0250 EE, inst mx(Linback)0815 Hindi mx(Boulsby) Guitar IS 0750-0800, sever hrd low side. Must s/on before WRTH listed time(Hill)Abt 0815(DF)
- 3285 S.AFRICA SABC, EE cmtry, mx, ads, excellent(Wallace, Wegener)Out of order, sorry.
- 3300 GUATEMALA R.Cultural, TGNC, 0300 "Back to the Bible" in EE, & EE rel px past 0330(Wooten) 0337 EE rel px(Wegener) EE to 0400(DF)
- 3305 PAPUA NEW GUINEA R.Western District, Daru, 1104 EE mx, choral mx(Boulsby) Islands music 1258, ID & s/off in EE & native, GSTQ 1302 & off(Hill)
- 3316 SIERRA LEONE SLBC, *0600 EE, weak(Boomer)US jazz, ads, 0615(Rippel)
- 3325 VENEZUELA R.Monagas, 0631 SS, LA mx(Earhart)
- 3325 ECUADOR Ondas Quevedenas, SS armts, Andean mx, 2 IDs 0750 & 0825. On late 8/4 past nominal 0602*(Agner, Keating)
- 3325 BRAZIL R.Borborema, PP ID by M 0014, pretty fair sig(Robins) T, 0831 tune, poor lvl, terrific QRN, but was PP(Dexter)
- 3330 USA Cf July FRENDX; prob 3rd harm of BCB stn, hrd here around 0530 or so; & would likely be hrd in Modesto as well; believed KRLA, (Hill)
- 3331T MALDIVES RM, 0320 undoubtedly the QRM hetting CHU; detectable vocal mx(Shaw) Data here shows Maldives not now active this time on this frq. The other poss. is Comoro Is., but that not sked to s/on till 0330 - tho I believe one of the other Moroni fqys was hrd to s/on 0300 3-4 years ago. (DF)
- 3335.5T SENEGAL Ziguinchor, 0615 FF tlk, hi-life mx, low mod(Wallace,Burlew)
- 3346T ZAMBIA ZBS 0340 tlk in lang by W, vy weak, much RTTY(Wallace)
- 3350 GHANA R.Ghana, Ejura, 0600-0615Eng news(Hohnstein, Wegner)Lang 0616(Boulsby)
- 3355T ANGOLA R.Ecclesia, 0510-0525 orch mx, songs, ads, much QRM.(Earhart)
- 3360 PAPUA R.Milne Bay, 1130-1150 Pidgin, chorals, tlk, US pops(Mayer) sorry(DF)
- 3360 GUATEMALA LV Nahuala, evenings, strong in the 0200-0400 period(Lost credit)
- 3365 BRAZIL Rdf de Londrina, 0915 tune, mx by vocal gps, mentions of Londrina, ID w/sound effects at 0927(Dexter) Checked 0905 while on mountain trip, PP noted, but didn't stack around for ID, was after Antaretica.(Ferguson) (Burlew)
- 3365 VENEZUELA R.Puerto la Cruz, 0340 SS ID, TCs, NA, 0400*(Tuchscherer, Wallace/GHANA R.Ghana, Accra, 0530-0600 EE hymns, px summary, pops, ads...(Earhart)
- 3375 BRAZIL R.Olinda, 0025 mx, pops, ads, PP, ment Olinda(Robins)0302-0325 PP, pops, ads, ID, fair(Linback) 0045 same general format as noted above(DF)
- 3385 NEW BRITAIN R.Rabaul, 1020-1050 Pidgin, lol mx, tlk abt gov't, best ever hrd here(Linback)
- 3390 ECUADOR R.Zaracay, Andean mx, ID 0600(Agner, Keating)0620 Andean mx(Boulsby) Normal s/off 0600(DF)
- 3380 MALAWI MBC, 0345 vernacular tlks, Af mx, ID 0400(Wallace)Out of order(DF)
- 3395 VENEZUELA R.Universidad 0030-0400* SS, ads, pops(Tuchscherer, Linback, Agner, Keating, G.Miller)
- 3396 RHODESIA RBC, 0405 lite mx, EE, ID 0429(Wallace)0410 DJ, ads, orch pops(Boomer) 0510-0530 songs & tlk in lang(Earhart)0500 M in lang(Rippel)
- 3433 INDONESIA Vocal 1123, Indo 1128, 2nd song, blocked 1130 by carrier & line noise. RPKD, Kediri, has been rptd on 3431(Hill)
- 3440 BOLIVIA CP103, R.27 de Diciembre, believed the one here 0240-0300+ w/LA prngs; weak, in noise; too early here.(Hill) (Tyson-Aust)
- 3445 INDONESIA Radio Siaran Pemerintah Daerah Kabumasuan Pasuruan, 1400 lol mx(
- 3462 INDONESIA RPKD Pasuruan, 1100-1600*, also *2100(Tyson-Australia)
- 3463 1/2 INDONESIA SFT speech by man 1235, mx 1242. Again 1306 when RRI stns carry net mx. RPKD's at Pasuruan & Timor rptd on 3462(Hill)
- 3474 INDONESIA RPKD, Jombang, 1000-1600*(Tyson-Australia)
- 3484L INDONESIA RPKD, Pamekasan, Instr mx 1310, Indo; weak no ID, strictly a "list" logging, 7/7(Hill)
- 3524 INDONESIA Mx 1136, M in Indo, undoubtedly another PDK outlet, tho no listing here; 7/11, a sensational AM for Indonesians!(Hill)
- 3528 INDONESIA Yet another PDK stn w/mx 1140, W anc in Indo, 7/11(Hill)
- 3578 INDONESIA M in emphatic Indo 1145, PDKs rptd Bangkalan & Situbondo(Hill)
- 3668 PORT.TIMOR BERTP, Dili, W in PF, pop song 1325, vy good(Hill)
- 3800 INDONESIA RPKD, Jember, Assumed the one here 1310 in Indo, vy weak. These PDK's, so far at least, are never strong enough or clearly modulated enough, to catch a clear ID. 7/26(Hill)
- 3893 INDONESIA RPKD, Surakarta, pop vocals segued to 1159, amrt in Indo, 4 pips 1200, "Radio.." & more tlk, ID assumed, as listed 3895. Not bad sig but the tubby modulation is tough to read. (Hill)
- 3910 JAPAN FEN, 1145-1155 mx, EE, ID, poor(Mayer)

- 3925 PAPUA ABC, Port Moresby, 1100 EE(Hohnstein)1145 cmtry, //4890(Mayer)
 3955 S.AFRICA SABG, 0516 Afrik, mx, tlk(Veidt) Afk tlk 0455(Robins)
 3960 INDONESIA RRI-Padang, Indo mx & amts 1120(Wallis-Australia)
 3960 CF item in July FRENDX. Could not possibly be Baghdad. Indonesia & China dominate the channel at 1300; Baghdad not sked, & no darkness path between Baghdad & California anyway. Surely RRI is what was hrd(Hill)
- 3970 GERMANY(W) DW, special tests, GG to Eur, well hrd since mid-July, 2030-2240* transmitter site unknown. (Padula-Australia)
- 3965 INDONESIA (out of order, sorry) RRI-Pontianak, Indo ID 1118 $\frac{1}{2}$ (Wallis-Australia)
 3980 S.AFRICA Springbok Radio, 0430 EE, cigarette ad(Rippel)0450(Robins)
 3985 ECUADOR Esc. Radiofonias Populares, 1010-1100 SS(Hohnstein) T 0130(Agrawr, Keating)
 3990 LIBERIA VoA, 0600 EE news(Hohnstein)
 4000 INDONESIA RRI-Kendari, Indo 1117 w/ID(Wallis-Australia)
 4089L INDONESIA RPDK, West Irian, discussion 1220 by M&W, another list log(Hill) Believed the str here 1255(Wallis-Australia)
- 4395 RSPSR(As) RM HS, believed Yakutsk, RR songs, amts 1212(Wallis-Australia)
 4422T BOLIVIA R.Turisa, 0328 SS, YL w/apparent ads, gong 0330(Shaw)
 4490V N.KOREA Chosen Yonghe Hesan Pangsong Sil, now hrd 4489-4493 instead of former 4700 $\frac{1}{2}$. Still s/on 1200, but different march, anthem than previously. At 1204 woman in usual emphatic Korean, later joined by man, past 1245 QTH?(Hill)
 4526 VINA Sillhot, Inner Mongolia, drama in Mongolian type mang 1240(Hill)
 4535 INDONESIA(Java) R.Sukoharjo, occ hrd abt 1030 past 1300 w/pops, Indo(Hill)
 4635 TADZHIK SSR Dushanbe, 2315 exercise show by YL(Rippel)
 4679 ECUADOR R.Nac. Espejo, 0105-0515*, mx, radio play, IDs, fqy(as 4678); poor to fair to good(McCoy, Brookwell, Wootten, Ferguson)
- 4700 $\frac{1}{2}$ N.KOREA CYHPS, see 4490 above, s/on 1200; later on 4490(Hill)
 4720 NUMBERS 0312-0319*(Behr)
 4730 BOLIVIA R.Abaroa, Riberalta, 0340 exc in SS, 0400*(Shaw) Believed the one 0212 in SS, seeming sports event(Hill)
- 4740U UNID 1420-1430+ oriental lang by YL(J.Davis)
 4750 AFGHANISTAN Kabul, 1400-1430* after China s/off. No sign of Tay Bac HS. Local langs, ex 3390(Wallis-Australia)
- 4765 ECUADOR C.R.E., 0100 SS news, ads(Brookwell) 1047 ID, aclls & fqys(Jones)
 4765 CONGO RTVC, 0500 FF, drums, rel px, mx(Wegener) 2250 ID, FF(Schwartz)
 4767 COLOMBIA R.Catumbao, 0224 easy listening Colombian mx, IDs(Wootten)
 4770 VENEZUELA R.Boli var, 1010 tlk, mx, ads(Zilmer) 0125 SS mx, ads(Wootten)
 4772 ECUADOR R. Cenit, Andean mx, M&W ancrs, ID around 0410(Dexter)
 4780a DCM.REP. Onda Musical, 1028 organ mx, M ancr, ment Santo Domingo(Coursey)
 4785 COLOMBIA Ecos del Combeima, 1025 SS, LA mx(Jones)
 4788 PERU R. Atlántida, 0300 ID(Ferguson)0440 M in SS, poor(Hewitt)1034(Jones)
 4795 BRAZIL R.Congonha, 0020-0030+ PP, mx, very good(Zilmer)
 4795 USSR Ulan Ude, relay RM HS, 1350, excellent(Wallis-Australia)
 4795 ECUADOR Emisora Atalaya, ID 0406, mx & off, 7/27, good lvl(Dexter) That fqy right, Gerry? Atalaya formerly varying around 4790+, and LV Caras 4794+V. ?(DF)
- 4799 $\frac{1}{2}$ ECUADOR R.Pop., 0420 fast SS, ID(Wallace, Burlaw)
 4800 ECUADOR R.Pop. Indep., 0946 LA mx, TC, wiped out by Lara 1000(Jones) 0435 SS, LA mx, IDs, TCs, gave call as HCMB5. (Brookwell)
- 4800 VENEZUELA R.Lara, 1020 SS tlk, mx(Zilmer) 0030 usual LA pops, ads(Wootten) 1000 ID, amts, LA mx(Shockley) 0352 SS mx, vy good(McCoy)
- 4800 UNID 0400 drums, lang tlk by M, RTTY(Wallace/Burlaw)
 4805 BRAZIL R.Por um Mundo Melhor, 0130 PP ID, ads, mx, weak.(Behr)
 4807 BRAZIL R.Dif do Amazonas, 0140 PP, definite ID, easy listening mx. TBS rptd closed down March 74. (Wootten)
- 4810 GALAPAGOS HC8VG, LV de G., 0407 SS rel px(Mayer) 0445-0500 SS(Barthart)0500 mx, IDs in SS, anncg HC8VG(Behr) (Ferguson)
- 4810 VENEZUELA R.Popular, 1005 SS tlk, mx(Zilmer) 0203-0400*(Wootten, Wallace, Burlaw)
 4810 USSR RM HS, perhaps Kyzyl, amts & mx 1430(Wallis-Australia) TBS list Erevan & Frunze. (DF)
- 4815 UPPER VOLTA Ouagadougou, 0600 IS, FF by M(Wallace, Burlaw)0600 YL w/FF ID(Robins)
 4815U UNID 0450 SS tlk, trumpet fanfare, open carrier past 0515(Wallace)
 4820 ECUADOR R.Paz y Bien, 0930 Ec & LA mx, SS(Jones, Ross)4819a, 0925-0949(Perdue)
 4820 GAMBIA RG, Banjul, 0644 AA chants, 0700 BBC mx, 0709 lcl mx, 0750 BBC "News of the African World"(Ross, Wallace, Burlaw, Jones, Robins, Wallis-Australia)
- 4820 HONDURAS HRVC, 0110 SS Nw of LA(Brookwell)0300 SS rel px(G.Miller)0400 EE rel px, s/off 0435. (Wootten)
- 4824U UNID 0550 US & opera mx, M in EE & lang, 3 letter ID like RSA or RCM mentioning commercial svc, fade 0645, 7/25(Wallace, Burlaw)7/25. see Tanzania item below.DF
- 4820 VENEZUELA(out of order, sorry, DF) R.Tricolor, *0928 SS ID, fqys, LA mx(Jones)
 4825T TANZANIA RT, 0610-0637 EE, mx, lcl mx; no ID hrd, but this is fgy & time for RT rptd by Wootten while still in Morocco.(Barhart) TBS list 0300-0700, but shows Swahili svc. (DF) Would also be rather late for Tanzania in ENA.(DF)
- 4825 TANZANIA R.Tanzania, 0355 Swahili tlk, drum IS, EE ID 0403(Wallace, Burlaw)
 4825 ECUADOR R.Luz y Vida, 1017 SS tlk, mx(Zilmer)
 4828T RHODESIA RB G 0350-0405, poor; instr mx, man chanting(Hewitt)
 4832 COSTA RICA R.Capital, 0304 SS tlk(Wootten)
 4840 INDIA Bombay w/EE sports 1341(Wallis-Australia)

- 4840 VENEZUELA R.Valera, 1003 LA mx, ID, SS(Shockley) 1037 SS ID, anmts(Perdue)
 4845 MAURSTANIA RM, 2150, weak signal in AA with chants(Wootten)
 4850 DOM.REP. R.Clarin, 0000-0400+ SS, some EE IDs(many) Silent for week or so, back on 7/13; a day or two later just open carrier long past 0600/0700(Dexter)
- 4855 COLOMBIA R.Nacional, 0935-0955 SS nx, ID(Perdue)
 4860 VENEZUELA R.Maracaibo, 0200-0358* w/SS, LA pops, IDs(McCoy,Wootten,Edelson)
 4867 COLOMBIA LV del Cinaruco, 0354 ID, mx, SS(Shockley)
 4870 VENEZUELA R.Tropical, F-G 0355 lite mx, IDs, anmts(Coursey)
 4875 BOLIVIA R.La Cruz del Sur, 0130 SS orch mx, fair(Pyatt)
 4875 S.AFRICA SABC, 0340 EE, US pops, fgys(Hevitt)
 4880 VENEZUELA R.Universo, 0200 SS pops(Pyatt)0300 SS tlk, lite SS mx(Tuchscherer)
 4882 DOM REP R.Comercial, 0420 SS tlks, mx(Wootten)
 4885 BRAZIL UNID, 0015-0105 t/o, PP tlk, pops, ads(Tuchscherer)
 4890 PAPUA Port Moresby National Radio, 1100-1110 EE, ABC nx, //4920 to 1109, then 1st nx(Lineback)1042-1108 EE pops, nx(Russell)1042 US songs, nx 1100(Earhart)
- 4890 VENEZUELA RDif Venezuela, 0300-0335 US pops(Earhart)
 4895 BRAZIL R.Baré, 0350-0425 PP, PP pops, ID, beyond listed sked 8/5(Lineback)
 4896 UNID African outlet for 0440, 7/13. Man in vernacular, Af vocals; fair to good lvl, slowly dropping. Think ID 0500 between two gong runs, a La Mozambique, but could make nothing of it. (Dexter)
- 4900 VENEZUELA R.Juventud, 0318 SS, easy listening mx, IDs, 0402*(Wootten)
 4902 SRI LANKA Colombo HS in Sinhala, QRM Gorontalo 4900. ID 1343(Willis-Australia)
 4904 CHAD RDNT, 2227-2302* FF, native mx, NA 2300 after ID(Earhart) 2250-2300* FF, local mx, NA, ID, poor(Mayer)
- 4911 ECUADOR Em.Gran Col., 0349 SS(Shockley) 0410(Ferguson)
 4915 CHINA Outlet here continues to be hrd, usually very well, ID 1159, pips 1200, M&W in CC(mx?) to 1229v, "Int". armt by W, off. Is not Harbin, which has been holding around 4925, Seems // Peihai(assumed) on 875^{4v} and is believed to be in Kwangsi Autonomous Region (Peihai? Manning?), 6/26 fr(Hill)
- 4915 COLOMBIA R.Guatapuri, 0940 SS mx(Pyatt)
 4915 GHANA 2255-2307*, EE, vern mx(Schwartz)*0530, nx 0600(Bowlsby) 05⁵ vern., EE nx 0600, good, //3350(Wegener)
- 4920 AUSTRALIA ABC Brisbane, 1100-1115 EE, ABC nx, //4890 to 1109, then continues w/Australian nx, while Pt.Moreaby goes to local nx, good(Lineback)
 4920 HONDURAS R.Progreso, 0446 SS, LA mx, sports(Brookwell)
 4924 MOZAMBIQUE RCM, current British rock, ads, DJ, time pip & nx 0500(Boomer)
 4926 EQ.GUINEA R.Bata, 2100 tlks, nx, mx in vern.lang(Wootten) Think Bata, segued Afr vocal mx, from 0350(which is early, I think). Mention of "Ecuatoria" 0408 (Dexter)
- 4930 DOM REP R. Mil, 1026 ID, ads, SS(Perdue) 0150-0205+ SS, LA mx, IDs(Wegener, Tuchscherer)
 4935 PERU R.Tropical, 0306 SS, clear ID, band mx(Brookwell) Believe S/B 4937 (DF)
 4940 VENEZUELA R. Yaracuy, 1023 ID, LA mx, SS(Perdue) SS 0200(Pyatt) 0402*(Ferguson)
 4945 COLOMBIA R. Colosal, 0400-0600+ usual px, strong(Coursey)
 4950 VENEZUELA R. Coro, 1030 LA mx, IDs, ads(Perdue) 0336 same(Shockley)
 4955 COLOMBIA R.Nac., 0145 SS mx, tlk(Pyatt) 0415 classical mx(Schwartz)
 4960 VENEZ R.Sucro, 1000 over CC JJ svo, mixed Federacion later(Willis-Australia) 0332 Rumbos nx, 1st ID, SS(Shockley)
- 4960 ECUADOR R.Federación, 0132 SS tlk, mx, noticias(Jones)
 4965 COLOMBIA R.Santa Fe, 0400 SS nx by man(Coursey)
 4972 CAMEROON R. Yaounde, 0505 M in FF, then hi-life mx(Rippel)
 4980 VENEZUELA Ecos del Torbes, 0146, nx(Lovett)
 4985 BRAZIL A Voz do Oeste, 2350 PP tlk by M, IDs, past 0042(Tuchscherer)
 4985 MALAYSIA RM-Penang, Malay tlk 1144 by man(Mayer)
 4990 VENEZUELA R. Barquisimeto, 0148 US & LA pops(Lovett)
 4995 PERU R. Andina, 9535 SS mx, many IDs, fair(Wegener)
 4995 BRAZIL R.Brasil Central, 0140 PP, ID 0200(Wallace, Burlew) 0900 PP, better by 0935 w/mx & DJpatter(Coursey)0915-0932 PP, LA mx(Earhart)
- 5005 SARAWAK Kuching, 1250 instr mx(Hevitt)
 5007 BOLIVIA R. Universo, La Paz, 0322 IDs, SS(Shockley)
 5010 PERU R. Eco, def ID 0200, poor(Lineback) Andean vocals 0908-0935+(Coursey)
 5015 GRENADA R.Grenada, 2315 "Tonight" px, BBC nx, ID(Schwartz)2330 EE nx by M(Robins) 2340 EE news & sports(Miller)
- 5016 COLOMBIA Em.Cultural Surcolombiana, 7/31 from 0330 poor, ment "...colombiana". Did not make note of it, but believe s/off is 0400. Off 8/1 0200. Quite sure this is the one in Neiva listed for 5010. WRTH gives no address.(Dexter) 0300 LA mx, SS anmts & Col anthem to 0405*, 7/17. Is new stn in Quibó, Chocó.(Behr)
- 5020 NIGER ORTN, 0520 cycle tone, NA, flute IS, ID 0530, chants, FF(Wallace, Burlew, Robins) Rippel)
 5022 ECUADOR R. Continela, 0400 Ec & pop mx past 0530, ex 5018(Behr)
 5025 PERU R. Quillabamba, 1025 SS & lang, local mx(Zimmer) 1016 cl mx, ID, Peruvian mx(Perdue) 0320 SS ID(Shockley)
- 5030 CHINA RP, IS 1201, CC anmts by W, EIR, weak, covered by Kuching(Hill)
 5030 VENEZUELA R.Contineta, 1015 ID, SS(Perdue)0139ads(Jones) 0449 SS mx, ads, time, fair(McCoy)

- 5030 DCM REP LV del Papagayo, 0345 SS tlk, LA mx, IDs, fqys, etc. Don't know where IV was. (Wallace, Burlew)
- 5032 COLOMBIA Brisas del Citara, 0053 SS, nice LA melodies, ID(Miller)
- 5040 ECUADOR BBS, 1100-1151 EE ID 1130(Whitacre)
- 5040⁺ PERU R.Libertad de Junin, 0650 SS, instr mx, M&W ancr(Hewitt)
- 5047 TCGO Lome, *0530 IS, chants & drums, fair(Wegener)
- 5050 VENEZUELA R.Mundial, 0500 vocal mx, IDs; good lvl w/ute now gone occasionally (Dexter) 0550 SS LA mx, clear ID(Brookwell) 0645 SS mx(Hohnstein) On Late 0700-0800, IDs, TCs between records. Western & Venez style. (Padula-Australia)
- 5053 MONGOLIA Ulan Bator, relay RM Mon sve 1315-1400; 1cl Mon mx 1400-1420*. Unusual to hear this, bad QRM from Singapore on 5052(Willis-Australia)
- 5058 ECUADOR R.Progreso, Loja, 0327 Ec mx, SS(Shockley)
- 5063.5 ECUADOR R.Progreso, 0230 Ec. mx, SS IDs to 0500*, good(Behr)
- 5075 COLOMBIA R.Sutatenza, 0100 SS(Wootten) 1010 SS mx, ID 1030(Russell)
- 5804 YEMEN R. Sanaa, 0327-0345 f/o, AA talks & music, some utz QRM, fair(Ross)
- 5874 HONDURAS LV de Honduras, 0330-0430+ w/LA mx, IDs, sports, etc(Ross, McCoy, Veidt, Coursey)
- 5910 PERU R.El Sol reported here, but suspect fqy s/b 5920...DF
- 5930 CZECH R.Prague, EE 0100(Wootten)
- 5954 COSTA RICA, TIQ, R.Casino, 0532 EE, ID, ads, list mx(Robins)
- 5955 MALTA DW relay, excellent lvl, *2140 GG, GG & EE IDs, requesting reports. First noted 1/8(Padula-Australia) (Coursey)
- 5970 PERU R. El Sol, in depth SS nx 0525, IDs, jingles, fqy, 0545*, sked later /
- 5980 S.AFRICA R.RSA, 0350 "Good Morning Africa" px to C.Afr.(Robins)
- 5980 EL SALVADOR R.Nac., 0250 EE ID, LA mx(Creamer)0300(G,Miller)0314(Shockley)
- 5985 PAPUA NEW GUINEA R.Rabaul, VL9BR, extended sked, now almost to 0700 instead of previous 0500*. 7/29 weak/fair 0645 native mx, amnt in EE 0647, off minute later; much QSB. (Hill)
- 5985 USA WYER, 0115 SS tlk(Ricchezza)0230 SS(Overcamp)
- 5985 ARGENTINA R.Splendid, 1028 SS tlk, ID, poor(Zilmer)
- 5987 CELEBES RRI Menado, 1115 1cl mx(Hohnstein) T, 1012-1038 Indo(Hewitt)
- 5990 ROMANIA R.Bucharest, 0130 mx, nx, EE cntry(Wootten)
- 5995 AUSTRALIA RA, 1110 news to W.Pac., from Lyndhurst(Wootten)
- 5995 VATICAN VR, 0100-0115 EE rel nx(Lineback) *0100-0130 EE & FF rel nx(Overcamp)
- 6000 BRAZIL R.Inconfidencia, 0113-0140, PP ID, soccer(Brookwell)
- 6005 CANADA CFCF, Montreal, EE nx 2200(Edelson)
- 6005^{at} MEXICO(?) R.Mil, 0956 SS, US & LA pops, freq.IDs as "R.Mil", nothing else. Listed 6008, R.Relej not on.(Jones)
- 6005 BERLIN RIAS...VoA, mx ID "Yankee Doodle" 0215, other stations on fqy made a mess. Nothing else ID. (). To my knowledge RIAS does not/has never used VoA IS and I therefore believe this should be more thoroughly checked before concluding it is RIAS.(DF)
- 6006 COSTA RICA R.Relej, 0845 SS, mx(Overcamp)0245 tlks, mx(Wootten)0335-0355 SS, LA mx, M w/talks, blocked by BBC IS at 0355, but still partly audible(J.Davis)
- 6010 W.GERMANY DW, 0135-0145 EE ID, symphony mx(Brunner)
- 6012 ANTARCTICA American Forces Antarctica Network, new stn, 7/26 w/pop mx, arnts, in EE & jingles on the hour; e.g., 0900. First that was CJCX, but Canadians don't usually have many jingles. Dene Lynneberg of Titahi Bay hrd this 7/22 with many IDs. Checked by telephone with Australian Base of Davis. Was told stn on 6012, operates 24 hrs, live pgms. Craig Typon also hrd 7/24. (Hamner -Australia)
- 6019 VENEZUELA R.Anzoategui, *1000, ID, IS, tlk, mx(Zilmer)
- 6025 NIGERIA NBC, Enugu, 0430 drums after R.Port s/off, then EE ID 0435(Wallace)
- 6025 PORTUGAL R.P., 0200-0210 EE tlk of new gov't(Brunner)0420-0430* EE(Bettenhausen)
- 6035 BRAZIL R. Globo, 2300 PP tlk, mx, tones(Zilmer)
- 6035 PERU R.Panamericana, 1020-1032 SS & Indian lang, native mx, Ind & SS tlk, ads for CocaCola & Canada Dry. R. Landa listed here in WRTH.(Jones) ?? Did you get ID for Panamericana?? R.Pan., Peru listed 5980. R.Pa., Brazil list 6055(DF)
- 6035 S.AFRICA R.RSA, 2230-2320* EE to NA, //5980(Zilmer, Wootten)
- 6040 W.GERMANY DW, 0245 Eng talk, music(Jones) 0250* EE(Creamer)
- 6050 ECUADOR HCJB, SS rel px, long slow fade, 1101(Coursey)
- 6055 BELGIUM RTB, 0040 EE(Zilmer) 0000-0005 S37FFEE ID, mx px, nx(Lineback)
- 6055 PERU R.Panamericana, 0849 ID, TC, LA pops(Shockley)
- 6055 JAPAN NSB, 1040 JJ, 1045 EE JJ lang lesson, JJ 1100(Coursey, Zilmer)
- 6055 RWANDA Rdiff d.l.Rep.Rwandaise, 0940 Afr mx, M&W in app Swahili, FF ID by Man 0430, good lvl once DW filtered out(Robins)
- 6055 USA UN RADIO, VoAGrV, 0345 cl mx, EE ID 0345, then VoA IS & ID to S/off(Robins)
- 6060 ARGENTINA R.Nac., 0930 LA mx, arnts, fair(Ross)1000 SS, cl mx, pops(Zilmer)
- 6060 SICILY RAI Caltanissetta, 0130 It, EE & FF ID w/FF nx, orch mx(Garrou)0155-0210 It/EE px, It & EE nx, operatic mx, poor(Schwartz) 0710 It ID(Willis-Australia)
- 6065 COLOMBIA R. Super, 1025 SS tlk, mx(Zilmer)0820 ID, LA mx(Russell)0845(Shockley)
- 6065 SPAIN RNE, 0202-0229* EE px, SS mx(Russell)Your clock set right? Should s/off at 0245(DF) 0347 end EE px(Jones)
- 6070 VENEZUELA R.San Sebastian, 1005 SS, ID, mx,ads(Shockley, Zilmer)1033(Jones) 0300 IDs, mx, CFRX not hrd(Wootten)

- 6070 CANADA CFRX, Toronto, ER w/light music 2115(Edelson)
 6080 NEW ZEALAND RNZ, 0605 EE mx(Veldt)0800 EE, poor(Hewitt)0830 EE(Overcamp)
 6080 S.AFRICA R.RSA, 0230 EE news(Hagen)
 6085 W.GERMANY, DW, 0525 EE ID, mx px(Creamer)
 6085 ECUADOR HCJB, 0830 EE rel to S.P ac(Overcamp)
 6090 AUSTRALIA VLI6, EE 1130-1200+(Mayer)
 6090 LUXEMBOURG, 0000EE mx, mx, fair(Overcamp, Pyatt)
 6095 BRAZIL R. Tupi, 0855 PP ID(Shockley)
 6095 COLOMBIA LV del Centro, 0730 SS, LA mx(Jones)
 6100 MALAYSIA Kuala Lumpur, *2250 anthem, CC svc to 2310*. Unlist this svc, via 100 kw tx formerly used for overseas svc on 6100 w/Indo 2316 s/on. Nothing audible recently at 2315. (Padula-Australia)
 6100 VENEZUELA Observatorio Cajical 0839 time pips, and SS anmts(Shockley)
 6100aNF? ENGLAND BBC *0015 w/SS anmts, mx, ID. Beam to LA acc to beginning anmt, but unlist in BBC Aug sked. Ex 6175?(Agner, Keating) Which reporter?(DF)
 6110 COSTA RICA R.Universidad, 0100 usual mx, IDs, etc.(Wooten)
 6110 PHILIPPINES VoA, 1059 EE news(Miller)
 6115 COLOMBIA LV de Llano, 1015 local mx, SS(Zilmer)0300 ID, music, SS(Shockley)
 6115 PERU R.Union w/Andean music 0515 ID(Agner, Keating(whch? DF)) 0330 poor in SS with music(Hewitt)
 6115 CONGO Brazzaville, 0500-0700 f/o FF, Af mx, drums(Hagen)
 6115 JAPAN NSE, Nagara, new outlet, one day only w/football in JJ 0720, 0800*, list 10 KW in ITU THFBS(Padula) 0744 off after anmt. Ltr from stn says they are contemplating DX pgn in EE some time in the future.(Hill)
 6125 COLOMBIA R.Continental, 0630 mx & anmts (Behr)
 6125 CHINA(PR) RP, *2301 IS, SS ID(Agner, Keating)
 6130 CANADA CHXK goes C&W nights, hrd 0815(Robins) 0610 EE pops, ads, etc(Perdue)
 6130 LAOS Rdif Nationale Lao, definitely still on air. First noted 7/27, 1208 tune w/seming mx or emtry in Lao by M&W, 1228 mx interlude, FF 1230, Lao1245, time tone 1300, SEA mx, W anor, VV 1330. After px of easy listening mx left air 1430 after anthem. Observed several days since then. Splatter from VoA & CCI from NHK relay, but at times quite readable.(Hill)
 6130 JAPAN NHK, Kumamoto, after Laos leaves air at 1430 this lkw relay is in clear but has VoA splatter. S/off 1500, relays HS2(Hill)
 6135 BRAZIL RTV Gaucha, 1000 PP tlk, mx(Zilmer)0225 PP, IDs(Wegener)0901(Shockley)
 6140 AUSTRALIA ABC, Perth, 0959-1200+ w/ux, mx, mx, sports, pops, etc(Wooten, Lineback, Zilmer, Jones)
 6140T BURUNDI Voix d.I. Rev, 0345 Af mx, poor to mod lvl(Robins)
 6140 BURUNDI LV d.I.Rev., *0330 IS w/low mod(Rippel)Can't read rest of it(DF)
 6145 ALGERIA RTVA w/AA chants, FF, ID? 0000* is under DW(Agner, Keating)
 6145 NIGERIA NBC, Calabar, 0435 Af mx, 0440 M in EE w/SW & MW fyps, ID as "R.Nigeria" at 0444, 0445 EE rel px. Severe QRM from DW Sackville 6140(Robins)
 6145 INDIA Delhi, s/on 1330 local mx over VoA(Willis-Australia)
 6150 COLOMBIA LV de Huila, 0440 SS, IDs(Wegener)0444 IDs, TC(Coursay)0720 SS tlk, LA mx, Super net & stn IDs(Wallace, Burlow)which reporter?(DF)1030 SS, ads(Zilmer)
 6155 AUSTRIA ORF, cl 50 cl mx(name left off;(DF))0155 US oldies(Miller)
 6155 SWAZILAND Swazi Music Radio, 0450 US rock, EE, jingle ID(Robins)
 6160 CANADA CKZU, 0830-0900 EE mx, wx(Overcamp)2130 relay CEU, BCE(Veldt)
 6160 COLOMBIA Em.Nueva Granada, 0420 SS soccer game(Brookwell)
 6165 NETH ANT R.Nederland, 0243 Happy Station(Wooten)
 6170 COLOMBIA LV de la Selva0914 SS ads, ID, mx(Jones)0225 SS ID(Shockley) 1030 SS talk, music(Zilmer)
 6170 VENEZUELA R.Nac., 1030 SS, cl music(Zilmer)
 6180 ENGLAND BBC 2340-2355 Victor Sylvester(Brunner)
 6180 GREECE VoA-Kavala, EE ID *0200, into lang px(Robins)
 6180 VENEZUELA R. Turismo, 1030 tlk, mx, SS IDs(Zilmer)
 6185 MEXICO XEDPM, 0245 orch mx & SS anmts to 0305*v in QRM(Behr)
 6185 INDONESIA RRI-Manokwari, *0757 w/chimes, local ID 0800(Padula-Australia)
 6195 TUNISIA Tunis, 0445 Arab chants, fair(Shockley)

That ends this portion of LOG REPORT; your editor for this section, rather, this portion, of Log Report is now Dan Ferguson, Box 8452, S.Charleston, WV 25303.

REMEMBER THAT ALL REPORTS TO LOG REPORT ARE HENCEFORTH TO BE SENT DIRECT TO THE THREE LOG REPORT EDITORS, addresses given at the top of page LR-A-1.

The following inadvertently omitted from the above.

- 4865 BURNEI(Berakas) Keran readings 1045, ID 1050 as "Inilah Radio Brunei"(Hammer-Austr)
 4907 KHMERE REP Radiodiffusion Nationale in Khmere w/EE lessons 1130-1150 on 8 July which was a Monday(Hammer-Australia)
 5955 MALTA DW-Cyclops, GG tlk 2145, 7/30, vert strong signals, new stn(Hammer-Australia)

- 6200 ALBANIA R. Tirana; 0130 EE, nx, cmtry (Wootten)
 6210 INTERNATIONAL WATERS RNI; 0220 EE, pop mx (Shockley)
 6241 CIANDESTINE R. Libertacao; 0710-0745 OM in PP, mx (Hewitt)
 6250 EQ GUINEA R. Santa Isabel; 2205 Afr mx, OM ancr, Afr chorals, 2234 w/durms, flute until instr NA at 2235*; *0500 NA, then Afr mx. Poor w/heavy QRN and QRM (Contributor unknown, no name on item - MRL)
- 7032 UNID. 1258 in Burmese or Thai talk 7/11; music 1329 past 1330, OM in lingo; tubby modulation, bad ham QRM 7/7. Hanoi is supposed to be operating near this freq, I believe (Hill)
- 7048 INDONESIA; Another PDK outlet; OM & YL in Indonesian 1305 7/11; ID 1336 7/7 (Hill)
- 7075 EGYPT R. Cairo; 0435 general svc, AA mx, CW ARO QRM (Robins); 2205 AA mx (Estes)
- 7100 USSR Petropavlovsk, Kamchatka; 1300 f/1-1600* CC px; returns 1700 with "Kamchatka Radio" svc to 2030, all RR (B.Davis)
- 7105 MONACO TWR; 0720-0735 EE rel px "This is Monte Carlo" ID (Cress)
- 7106-08v THAILAND Thai TV; 1015 oriental mx (Ross); 1130-1200 native mx, anmts by YL (Whitacre); 1212 Thai anmts and pops (Willis-Austl)
- 7110 JAVA RRI Yogyakarta; 1159 Indonesian ID. Unscheduled at this time (Willis-Austl)
- 7115 THAILAND R. Thailand; 1207 CC nx (Willis-Austl)
- 7115 ZAIRE LV du Zaire; 2300 noted after RFE s/off w/FF political cmtry, Afr mx 2330 past 0000. Never heard this before (Padula)
- 7120 ALBANIA R. Peking; 0020-0050 SS talks, some mx (Earhart)
- 7125 GUINEA (Rep) Rdiff Nationale; 0650-0703 OM w/FF talks, mx, poor modulation //9650 (Earhart)
- 7135 FRANCE ORTF; 0541 EE nx into FF 0545 (Ross)
- 7140 MOLUCCA ISL RRI Ambon; 0845 Indonesian talks //4845 (Willis-Austl)
- 7140 JAPAN R. Japan; Carrier and test tone 0855, IS 0856, JJ/EE ID, off 0945. QRM from RRI 7139 plus RTTY. New service? (Hill)
- 7145 USSR (Far east site) 1400 f/1-1910 RR HS, all Mayak. (B.Davis)
- 7150 GREECE VoA Kavala; 2200 EE nx (Estes)
- 7155 JORDAN R. Jordan; 2155-2207* AA talks/ S/off does not agree w/WRTH (Earhart); Tentative 0350-0400 AA mx, time pips, possible ID into AA nx by OM (Robins)
- 7160 USSR Petropavlovsk, Kamchatka; Signs on 30 min early w/Mayak px at 1630, joins 7100, 9540, 12010 for "Kamchatka Radio" at 1700 to 2030* s/off (B. Davis)
- 7165 RYUKYU ISLANDS VoA Okinawa; 1215-1246 EE, jazz hour (Hewitt)
- 7165 ETHIOPIA ETLF; 0331 ID by OM in Swahili into rel px (Robins)
- 7170 NEW CALEDONIA R. Noumea; 1037-1102 FF talks, vocals, NA at s/off. Above normal reception. (Earhart) // (Robins, Whitacre)
- 7190 YEMEN (PDR) DYBS; 0300-0336 AA ID, mid-east mx, heavy QRM VoA
- 7195 LIBERIA VoA Monrovia; 2320-0000* EE, tribute to Duke Ellington (Brunner) // (Robins)
- 7205 DODECANESE ISL VoA Rhodes; 2330-0000* EE px on B'way musicals, no ID
- 7208.5 MOZAMBIQUE RGM, Lourenco Marques; EE ID for LM Radio 1400, s/off 1401 squeezed and splattered. LP logging (Hill)
- 7210 SWITZERLAND Red Cross Test; SBC IS 0600 for 5 min, then EE px till 0615, then into FF 7/22 (Hanner-Austl); 2300 s/on w/ID into EE nx 7/26 (Padula-Austl)
- 7210t SENEGAL Rdiff du Senegal; 0930-1000 OM & YL w/FF talks, drama, no ID due to severe QSB (Agner, Keating)
- 7215 ANGOLA R. Ecclesia; 0545 pop mx and PP ads (Behr)
- 7215 BRUNEI R. Brunei; 0935 CC, mx xed VoA from 1300 on (Willis-Austl)
- 7220nf PHILIPPINES FEBC; 1130-1145, ending EE, ex 7225 (Willis-Austl, Hohnstein); 1145 into Indonesian (McCoy)
- 7225 RWANDA DW Kigali; 0353 Swahili px, EE 0430 (Robins)
- 7230 SPANISH SAHARA R. Sahara; 0630 fast pace SS px, some older US pops, also SS mx, but rhythms were African. Poor w/ARO QRM (Contributor unknown, no name on item - MRL) // (Robins)
- 7234-5v NIGERIA ECSBS Enugu; 0457 bongos, EE anmts 0500 ARO QRM (Hill, *0600 talking drum IS, YL w/FF nx px (Rippel))
- 7235 AUSTRALIA RA; 1145-1155 Indonesian nx (Earhart)
- 7245 S. VIETNAM VTVN; 1100 VV songs (Willis-Austl)
- 7245 ANGOLA Em Official; *0457 IS, PP ID and mx, past 0545 (Behr) Tent 0459 seemed IS, then *0500, severe ARO unable to ID (Bowlsby); Tent 0600 lcl mx, OM ancr (Hewitt)
- 7250 SINGAPORE R. Singapore; 0930 Malay px (Willis-Austl)
- 7260 E. GERMANY RBI; 2300 IS, FF ID (Estes); 2345-0000* GG nx (Schwartz)
- 7260 MONGOLIA Ulan Bator; Mongolian HS till 0930 then relay RM Mongolian Svc. (Willis-Austl)
- 7270 NEW CALEDONIA ORTF; 0750 FF mx and talks (Wallace, Burlew)
- 7275 SOUTH AFRICA SAEC; 0600/Afrikaans, mx, ads (G. Miller)
- 7275 NIGERIA VoN; 0724-0735* native mx, EE ID, NA and off. They may be using 7275 in lieu of 7255 for 0600-0730 time slot (Earhart)

- 7285 INDIA AIR Delhi; 1240-1315* New freq for "evening" beam to Sikkim/Bhutan in Tibetan. Weird native mx, OM in Tibetan//9705. Back on *1330 w/"Song of India" IS, OM in lingo, nil on 9705. No idea what beam this is, since the only two xmsns starting at 1330 are on MW only per WRTH. Noted 8/4 (Hill)
- 7295nf HOLLAND RN; 2058-2118 mx, ID. Good level (Cress) Lang? - MRL
- 7345 USSR (Unknown Asian site) 1330 f/1 - 1430* RR Mayak px (B.Davis)
- 7395 ISRAEL IBA; 0510 EE ID *This is Tel Aviv* Bad CW QRM (Brookwell)
- 7405 N. KOREA R.Pyongyang; 1000-1049 EE nx, cmntry, mx//9895 (Wala); Tent. 1107-1125 OM in lang, orchestra mx (Earhart)
- 7470 CIANDESTINE Liberation Radio; 1118 EE, 1122 native mx, 1128 ID into gutteral SEA tongue 1130. Constant CW QRM (Hill)
- 7516 UNID. Possibly Asian 1120-1135. Probably same station reported by Burlew last month, mx sounded Asian but CW and lcl noise made typifying language impossible (Earhart)
- 7580 N.KOREA R.Pyongyang; 1200 EE ID, freq anmnt (Hewitt)
- 8754.5 CHINA Peihai(?) Down to this freq 6/26 at 1158, OM &YL in CC 1200, no longer readable by 1210. Seemingly //4915 about 10 times stronger (Hill)
- 9022 IRAN VoIran; 2030 HS IS noted. Same IS as 7064 at 0230 (Rippel); 2300 AA talks, mx (Wootten); 0155 Farsi chants(Brown); 0020-0030 Farsi px, mx (Lovett,Robins)
- 9350nf SPAIN RNE; 0130-0320 SS talks, mx//9530, excellent lvl (Cress)
- 9370 N.KOREA R.Pyongyang; 1315-1348* EE political & economic talk, some mx (Tuchscherer)
- 9406nf EGYPT R.Cairo; 0220 AA mx, 0235 AA ID into drama. First noted 7/18 // 9850 (Estes)
- 9480 CANADA CBC; Armed services px 0610 (Veidt)
- 9500 USSR (Asian) Co-channel with Magadan HS, "bad news" for each other! Heard w/Vietnamese 1500//9720, 11890. 1600-1900 in CC (B.Davis)
- 9505 JAPAN NHK; 0900 EE nx, cmntry(Overcamp); 1030 EE/JJ lang lesson (Brunner); 1200 EE ID (Creamer); 1800 EE nx (Ross)
- 9505 PERU R. America; 0429-0521 SS, mx, nx, ads (McCoq)
- 9505 BRAZIL R. Record; 0850-0901 PP, "Wake-up" show, ID's (Jones)
- 9505 DENMARK R.Free Europe; *0400 YL ancr "Radio Svobonadya Eroupa", IS till 0400 (Rippel) How did you know it was Denmark? - MRL
- 9510 UNID. 1210-1225 Definately a Latin station w/US pop mx, SS talks by OM (Earhart)
- 9510 DOMINICAN REP R.Nacional de Sta. Domingo; 1580 SS, nx, ads, ID as "R.Nac de Sta.Domingo, Paraiso del Atlantico" (Brookwell-Mexico) New Station? - MRL
- 9510 CELEBES RRI Ujung Padang; 0725 pop mx, brief Indonesian unmts by YL, splatter from Japan 0755 onward past 0800 6/28. Also, 0820 vocals, ID 0825, off 0826 7/13 (Hill)
- 9515 TURKEY Vot; 0230 marshal mx, TT ID's. On early 7/20, day of invasion (Mayer); *0255 IS into NA, TT talks (Brookwell)
- 9520 PERU R.La Cronica; 2150 SS, mx, talks (Wootten); 0243 SS ID, ads (Shockley)
- 9520 DENMARK R.Denmark; 2358-0054 EE ID into Danish (Zilmer, Wala)
- 9520 FRANCE ORTF; 1600 RR px, Parisienne mx, talks by YL (A.Miller)
- 9530 JORDAN R. Jordan; 0915-0940 AA talks by OM, chants (Earhart)
- 9535 SWITZERLAND SBC; *0145 EE nx, DX px //11715, 6120 (Wegener)
- 9540 NEW ZEALAND NZBC; 0600-0830 EE talks, mx (Nebron,Robins,Wegener)
- 9540 S. KOREA R.Korea; 1100 EE nx, cmntry (Zilmer)
- 9540 POLAND Polish Radio; 1620-1630* EE cmntry (A.Miller); 2130-2200* FF talks (Wootten)
- 9545 SOLOMON ISLANDS SII & BS, Honiara; Now using this freq and //3995. Noted 0846 w/stock mkt report in EE 7/30. Is now regular and an excellent opportunity for you guys to log this station. Station in the clear before VoA s/on 0800 (Hanner-Austl); Noted 7/20 in EE over DW 0145 and again w/px preview at 0659, on late on 7/25 (Willis-Austl); First heard 7/28 at 0710 with radio theatre in EE, next night carrier 0600, native drums 0655, weird Oriental like mx 0656, at 0658 OM w/native accent gave EE ID for 1030 kHz and 3995 (no mention 9545), followed with preview past 0700, then "Music by Request" WRTH shows this freq 2130-0300 only, also gives s/of time for 1030/3995 as 0630 (Hill)
- 9545 BRAZIL R. Universo; 1015 PP talks, mx (Zilmer)
- 9550 CUBA R. Habana; 2126 EE, usual px (Wootten)
- 9550 GRENADA R.Granada; 1652-1900 EE, TC's, mx, ID (Mayer)
- 9560 ECUADOR HCJB; *0100 EE rel px (J.Davis, Lovett)
- 9560nf E.GERMANY RFI; 0330-0500* EE ancd svc to NoAmer QRM HCJB (Hagen)
- 9560 UNID. 0330 under HCJB, IS, time pips, EE ID (Veidt)
- 9562 PERU R.Nac de Peru; 1130 SS, many ID's, lcl mx (Zilmer); Tentative SS mx, singing. Poor (Hewitt)
- 9572 CHILE R.Portales; 2128 SS talks, mx (Wootten)

- 9575 ITALY RAI; 0038 II talks, into EE at 0100 (Brookwell); #0100-0120# EE, nx, mx (Ravenhorst, J. Davis)
- 9575 PAPUA/NEW GUINEA R. Central, Konedobu; 0525 EE nx when finally audible. Carrier 0531 past 0533 7/3. Again 7/9, QRK from about 0520, mentioned 9575 at 0531*, left carrier on (Hill)
- 9580 PHILIPPINES VoP; 0946-0958* EE, pop mx, and sked as 0700-0954 (Jones); 1523 EE ID, freqs (Veidt); 1600 EE talks, mx (G. Miller)
- 9580 NICARAGUA R. Mar; 1300-1425 SS, US pop mx, LA mx (Mayer, Jones)
- 9580 AUSTRALIA RA; 1130-1230 EE, nx, mx, talks (Overcamp, Wootten)
- 9585 FRANCE ORTP; 2245 FF talks, mx, some EE records (Zilmer)
- 9590n USSR (Far East site); New freq in use for "Radio Station Pacific Ocean", loosely translated "Radiostansi Tishy Akyan" w/px for east and Pacific fishing fleet. All RR 1430-1530 Wed, Fri, Sat and Sun //9620, 9755, 9780, 11835 & 12010 (B. Davis) (A. Miller)
- 9595 JAPAN NSB; 1045-1100; 1211 JJ, nx, "Let's Learn Japanese" (Boomer, 9595 BRAZIL R. Cultura da Bahia; 0000 PP talks, mx (Zilmer) (Behr)
- 9597v CLANDESTINE, Soviet Station; 1230 w/CC px to 1241* w/Internationale
- 9600 MEXICO Universidad Nac. de Mexico; 1415-1425 SS World nx (Tuchscherer)
- 9604.5 SARAWAK RMS Kuching; 0710-0730* vocals, pop mx, YL & OM in EE (Hill)
- 9605 CANADA DW Sackville relay; 0205 GG nx (A. Miller) (Zilmer)
- 9605 VATICAN Vatican Radio; #0100-0115* EE church talks (Brunner, Wegener, 9608.5 UNID. Perhaps RTVC Brazzaville, Congo Rep. 1625 FF sporting event 6/29, also 1630-1700 7/6 (Hill)
- 9610 BRAZIL R. Tupi; 2133 PP talks (Wootten)
- 9615 INDIA AIR Delhi; 1628-1705 anmts by YL in RR, "Govorit Delhi" ID, nx. WRTH shows no RR broadcasts from AIR (Hill)
- 9615 PHILIPPINES DUH4, PBS, Manila; Assumed ID 0840-0900* occasional bits of mx audible (Hill)
- 9615 PORTUGAL RCI Sines relay; 0400* end of RR px (Brookwell)
- 9620 GREECE VoA Kavala; 2135 FF, mx px (Wootten)
- 9620 FRANCE ORTP; 0146-0200 SS talks about Argentina (Fino)
- 9625 MALTA DW; 2025-2103* Strong w/AA svc. Reopen 2104 w/Maghreb to s/off (Padula-Austl)
- 9635 SINGAPORE R. Singapore; 0130 and 0700 w/CC px (Willis-Austl)
- 9635 COLOMBIA R. Nacional; 1115-1131 SS, mx, talks (Earhart); 1305-1320 SS, "Musica Popular" px (Tuchscherer); 2258 non-stop mx, ID in SS, signal mixing w/Singapore (Hanner-Austl); 2340 via long path, all over Singapore, rare this time period (Padula-Austl)
- 9640 S. KOREA R. Korea; 0637 EE nx and ID (Bowlaby); EE noted 1900, nx talks, mx, sometimes good (B. Davis) (Brookwell, McCoy)
- 9645 COSTA RICA TIPC; 0305-0420 EE, rel features (Veidt, Agner, Keating, 9645 BRAZIL R. Bandeirantes; 0930 PP talks, pop mx (Zilmer); 0019 PP ID //11925 (Shockley)
- 9645 VATICAN Vatican Radio; 1952 FF rel talk, ID and off 2000 (A. Miller)
- 9645 E. GERMANY RBI; 0000 SS talk (Pyatt)
- 9645 NORWAY R. Norway; 0420 EE ID "Mailbag" px (Monroe)
- 9648-50v GUINEA Rdiff Nationale; 0627 OM in FF, native mx (Hewitt, Perdue); 0350 in the clear w/native music (Estes)
- 9660 VENEZUELA R. Rumbos; 1028 SS ID, vocal group (Earhart); 0405* SS, long list of call letters and freqs (B. Davis)
- 9661.5 ZAIRE Voix du Zaire; 0545 FF talk or nx and ID (Behr)
- 9665 BRAZIL R. Nac de Brasilia; 2143 PP talks, ID (Wootten)
- 9675 BRAZIL R. Diario da Manha; 1000 PP, ID, ads, talk (Zilmer)
- 9675 POLAND Polish Radio; 0200 EE, nx, mx, freq sked (Zilmer)
- 9680 AUSTRALIA VLR9 Melbourne; 0629 EE cmntry (Veidt)
- 9680n ECUADOR HCJB; 1033-1045 GG songs and hymns (Earhart)
- 9685 BRAZIL R. Gazeta; 0024 PP talks, ads (Shockley)
- 9690 PAKISTAN R. Pakistan; 1320 EE ID, cmntry (Monroe)
- 9690 ARGENTINA RA; 0205-0220 SS, ID talks (Fino); 0303 EE cmntry by YL (Russell); 0513 SS ID, nx (Veidt); #0600 EE ID, nx, talks (Wegener)
- 9695 BRAZIL R. Rio Mar; 1043-1051 PP talks, pop Brazilian mx (Earhart)
- 9700 BULGARIA R. Sofia; 0000-0028; 0420 EE, nx, cmntry, DX px (Wegener, Fino, A. Miller, Earhart) (Wegener)
- 9705 MEXICO XERMx; 1411; 2345-0500 SS, talks, Mex mx (Padula-Austl, Jones, 9705 BRAZIL R. Maua; 0955 PP talks, mx (Zilmer)
- 9705t INDIA AIR; 1240-1255 Far East type mx, into lang (Tibetan?) (Earhart)
- 9705t FRANCE ORTP; 0125-0200 SS, thought to be Mexico, but French NA at s/off (Earhart)
- 9710 SOUTH AFRICA SABC; 0715-0730 EE, pop mx, ads (Perdue); 1310-1340 EE pop mx, ads (Tuchscherer)
- 9710 ITALY RAI; 1935 EE nx by YL (A. Miller)
- 9710 MAURITIUS MRC; 1200-1300* Indian px, talks, usually 5 or 6 pips at s/off (Robinson-Swasiland); 0310 FF songs, classical mx (Tyson)
- 9715 HOLLAND RN, Lopik; #2130 EE nx, cmntry (Wegener)
- 9720 USA KGEI; 0314 SS ID (Shockley)

- 9730 E,GERMANY RBI; 0100-0135; 0230 EE, nx,Cyprus talks (Shockley, Brunner,Edelson,Zilmer)
- 9735 USSR (Unknown Far Eastern site); 1900-2000 Re-broadcast of "Radio Station Pacific Ocean" px //7185,7195,7295, & 9735. Repeat of 1430-1530, see 9590 (B. Davis)
- 9740 CZECHOSLOVAKIA R.Prague; 0125;0305-0320 EE, features,cmntry, nx (Hewitt,Veidt,Monroe)
- 9740 MALAYSIA BBC relay; 1740 EE, program guide (Veidt)
- 9745 MALTA DW relay; #0120-0400* GG to No Amer. First heard 8/3 (Padula Austl); 0120 GG px, test xmsn, QRM HCJB 8/1 (Behr) /((Brunner)
- 9745 IRAQ R,Baghdad; 2002-2016* EE ID, AA and pop mx into GG 2017
- 9745 WEST IRIAN RRI Merauke; After listed 2300* w/mx 0110 (Willis-Austl)
- 9745 ECUADOR HCJB; 0316-0330 EE, DX Partyline px (Fino)
- 9750 USSR (Far East site); 1330f/i-1400* RR HS,Mayak. Weak. (B.Davis)
- 9750 VENEZUELA R.Occidente; 1335 SS, pop and IA mx (Tuchsherer); Tent. 1055-1105 SS nx,interferring station in SS,possibly Chile (Earhart)
- 9750 CHILE R. Minera; 1100 SS, nx, mx,jingles (Zilmer); Tentative 1030-1105 So Amer type mx, ID not clear (Earhart)
- 9755 CANADA RCI; #0100-0119 EE px (Veidt, J. Davis, Fino)
- 9755 EGYPT R.Cairo; 0213-0255 Koran px. On earlier than listed (Estes)
- 9755nf USSR (Asian); #1400-1530* Mayak px till 1430, then "Radio Pacific Ocean" px Wed,Fri,Sat & Sun only. Some polar fade (B.Davis)
- 9760 AUSTRALIA RA; 0835 EE nx for Papua/New Guinea (Robins)
- 9760 JAPAN NSB Tokyo; 0445-0501* YL in JJ audible under TWR (Hill)
- 9765 ENGLAND BBC; 0050-0130 SS, talks about Britain (Fino) /Edelson)
- 9770 AUSTRIA ORF; 0130-0200 EE, ID,nx,cmntry (Overcamp,Monroe,Shockley,
- 9770 HAITI 4VEH; 1215 EE, rel px (Lineback);1930 EE rel px (Robins)
- 9770 NETHERLANDS ANTILLES RN; 0920 classical mx, ID (Creamer)
- 9770 USSR (Far East site); 1330f/i with Mayak px,switches to Program I (Per WRTH at 2300. Still going strong at 0800, all RR (B.Davis)
- 9790 ALBANIA R.Tirana; 0040 Albanian talk into SS at 0100(Brookwell)
- 9790 USSR (Asian) 1330f/i-1500* Another HS station w/Mayak px (B.Davis)
- 9805 EGYPT R.Cairo; 2258* End of EE tx to Europe (McCoy)
- 9825 ENGLAND BBC; 1700 Unid lang(J.Davis); 0128 OM & YL in lang talks, EE ID into EE px 0200 (Brookwell)
- 9833 HUNGARY R.Budapest; Presumed Jasago site, No Amer svc from 0415, report ent (Dexter); #0415 EE ID, nx(Creamer,Monroe,Coursey,B'well)
- 9850 EGYPT R.Cairo; 2200 EE, talks (Hagen); 0320 AA talks, Coursey)
- 9850 Egypt 0256 7-6 Chinese Rock OM ← Editors Note:
Tx deep voice GC ?? Jammed with angry bees Big gongs 0300 then OM Nx in AA Will the contributor of this item, please translate? - MRL
- 9893.5-9895v N.KOREA; 0830 Korean,overwhelming signal (Hill); 0900 IS into SS px (Estes); 1000-1046* EE nx,mx, freq sked, anthem //7405 (Wala, Russell);Tent. 1042-1050* EE, YL talking about Korea, orchestra type a them, then off (Earhart)
- 9950 N.KOREA R.Koong Mai; (Per Bob Hill) 1800-2000 EE Sat, Sun w/operas, oriental mx, "You are tuned to RKM" ID, good signal sometimes, f/o about 1515 most days while having oriental lang px (J. Davis)
- 9965t CHINA R.Peking; 1125-1135 CC mx w/OM ancr in lang (Earhart)
- 10000 USA WWV; 2232 noted 7/30 stating they are considering reducing power from 10 to 5 kw on 5, 10 & 15 kHz to conserve energy. Invited comments. Twice in one 24 hr period, covering two different geomag reports, failed to give same at 18 past hour! (Dexter)
- 11500a ESPIONAGE; Numbers Station, 2231-2343* EE YL reciting 4-digit numbers (J. Davis)
- 11600 CHINA R. Peking; 0900 EE nx (Zilmer)
- 11620 INDIA AIR; 2200 EE, nx, cmntry(Zilmer)
- 11636 BANGLADESH, RBD Dacca; Xmsn previously reported on 11607 now up to this freq. Vocal duet noted 1545 7/7 (Hill)
- 11650 CHINA R. Peking; 1230 mx, talks in lang (Zilmer)
- 11672 PAKISTAN R.Pakistan; 1750 EE, nx(Wootten)
- 11680 ENGLAND BBC; 0435 AA ID (Robins)
- 11685 CHINA R. Peking; 1200 EE nx (Zilmer) /((B.Davis)
- 11690 USSR (Asian) 1505 f/i-1600* CC px, same as 9620, up from 9735
- 11695 CHINA R. Peking; 0045 EE talks (Wootten)

- 11663 SOMALIA R Hargeisa 1010-1200, mx, tik, chants, (Robinson-Swaziland)
 11700 ISRAEL IBA; 1900-1945* EE, nx, features, fair (Wootten 8-7)
 11700T USSR RM; 1255-1305 AA, mx, gong ID, nx, fair (Earhart 8-1)
 11700 UNID; 0615*, Hindu mx, OM tik, IS, fair (Veidt 7-31)
 11705NS MALTA DW; 1600 GG, to 1700 f/o, test tx, QRM, (Behr 8-4). See several Malta below.
 11705 CUBA RHC; 0248-0323 SS, nx, pol tik, some QRM in GG, IS, good (Fino 8-2)
 11710 USA VoA Dixon; 0000 EE, VG, (J. Davis)
 11710 FRANCE ORTF; 0520-0530 EE, Paris calling Africa px, F-G (Perdue, Brookwell)
 11710 ARGENTINA RAE; 2301-2340 EE, nx, tlks, mx, fair-good, (many)
 11710 INDIA AIR; 2355 lang, local folk mx, QRM de VoA, fair (Wootten 8-6)
 11710 AUSTRALIA RA; *1115-1215 EE, mailbox, DX px, //9580, excellent (Brunner, Wootten)
 11715 SWITZERLAND SBC; *0145, 0200-0215 EE, ID, nx, tlks, into SS at 0215, fair (Earhart, Edelson)
 11715NF EGYPT R Cairo; 0015 PP, 0045 AA, (Willis 7-26, Padula 8-3, both Australia)
 11715 ALGERIA RTVA; 2130 AA, chants, drama, //11810, F-G (Zilmer 8-1, Wootten 8-7)
 11720 USSR RM; 0205-0230 SS, tlks about Chile, F-G (Fino); Soviet Far East, 1600-1700 VV, usually quite strong, carrier on about 1530 QRMing RP, (B. Davis)
 11720 CHINA RP; 1400-1425 VV, 1430-1455 Malay, 1500-1555 VV, much QRM from RCI and Soviet Far East Station, (B. Davis)
 11720NF INDIA AIR; 2208 EE, nx with main pts after, local mx, fair (Ravenhorst)
 11725 CUBA RHC; *0100, ID by YW and NA with announcement, (Edelson) Brunner
 11730 HOLLAND RN Lopik; *1830 to Africa, 2125-2140 EE, nx, F-G (Lovett 8-3, Nebron 7-17/
 11735 USSR RM; 0430 EE, nx, good (Robins)
 11735 FRANCE ORTF; 0140-0200* SS, mixed mx, cmntry, NA, good (Fino 7-8)
 11735 MOROCCO RTM; 0200 AA, tlks, ID, (Wootten)
 11740 USA OAS Bethany; 0120-0143, *2345-0000 EE/FF, tlks, good-fair (Fino, J. Davis)
 11740 MALAGASY RP REN; 1310-1340 Indon, mx, tik, ID, poor, QRM de HCJB, (Earhart 8-1)
 11740 VATICAN VR; 2045-2050 EE, rel nx, fair (Veidt, Zilmer 7-31)
 11740 UNID; 0350-0400 AA, chants by OM, Saudi Arabia or Egypt?, (Mayer 7-19)
 11745 ECUADOR HCJB; 0245-0430 RR/Romanian, rel tlks, varied rel mx, EE amnts, G (Fino)
 11750 VENEZUELA R Nac; 0105-0210 SS, amnts, ID, mx, some QRM, good (Fino 8-3)
 11750 MALAYIA BBC; 1145 EE, WS, ID, (Mathews 7-21)
 11755NF SWEDEN RS; 0030-0100 EE, into Swedish, ex 11805, F (Behr, Hanner-Australia 7-12, Willis-Australia, Zilmer 8-6)
 11760 CUBA RHC; 0235-0310 SS/FF, ID, nx, mx, amnts, good (Fino 8-2)
 11760 USA WYFR 1715-1725 EE, rel px, mixing W/RHC, (Tuchscherer 8-2)
 11765 RWANDA DW Kigali; 2030-2240* GG, //15380, tlks, amnts, F-G (Fino, Behr)
 11765 AUSTRALIA RA; 0905-0912* EE, fair (Overcamp)
 11770 MEXICO R Mex; 0424-0505*?, possible f/o, SS, mx, tik, poor, 0558* SS, VG, (Veidt, Earhart, J. Davis)
 11770 USA WYFR; 2013-2030* EE, rel tik, mx, ID, freq, good but fading, (Russell 7-31)
 11770 NIGERIA VoN; 0710-0735* EE, nx, piano mx, NA, good (Ross, Robinson-Swaziland)
 11770 ENGLAND BBC; 2210-2225 EE, World Today, tlks about Africa, fair (Fino 8-1)
 11770 USSR R Kiev *0030-0058* EE tlks on ham radio in USSR, science, DX PX, RM px before and after this tx, E (Brunner); R Vilnius, 2300*, *0030-0059*, EE, local nx, tlks, hrd 7-6 & 7-, (Brunner, Ross); RM, 1615-1630 EE, cmntry, lite mx, (Tuch-er)
 11775 SPAIN RNE; 0225-0250 SS, songs and mixed mx, good (Fino 7-14) Schwartz, Miller)
 11775 ROMANIA RB; 1200-1225* lang, 1859 SS, 0135 EE, nx, ID, tik, mx, fair (Zilmer, /
 11775NF ETHIOPIA ETLF; 1800 Afro lang, Afro mx, ID, ex 11810, (Behr)
 11780 ENGLAND BBC; 2205, WS, very good (Robins)
 11780 MOZAMBIQUE RCM; 0511-0542 EE/Lang, fair, M&W in EE/Lang tlks, (Hewitt 7-20)
 11785 BRAZIL R Guaiba; 1100 PP, nx, (Zilmer 7-31)
 11785 GERMANY (FR) DW; 2140 EE, special World Cup px, (Wootten)
 11789-90 INDONESIA VoI; 1100-1200 EE, CC to 1300, mx, ID, F-G (Whitacre 7-30, Robinson-Sw)
 11790 USSR RM; 0350 EE, M&W tik w/Russian scientist, good (Hewitt)
 11795NS MALTA DW; 2105 Maghreb px to 2130*, test tx, good (Behr 8-1)
 11795 JAPAN NHK; 0615 lang, mx, fair (Hewitt 7-20)
 11795NF USSR RM; 0125 EE to NA, (Willis-Australia 7-15)
 11800 CANARY IS RNE; 0100 SS, nx, SS mx, fair-good (Wegener 7-27)
 11804 PIRATE? UNID; 1700-1735*, all rock.mx, 5 min break at 1715, over AFRTS, strong (Behr 8-4)
 11805 SWEDEN RS; *0030-0100* EE, Sat. show, mx, skits, tourist tik, (Monroe, Brunner)
 11805 USA AFRTS Delano; 0655-0700* EE, instru mx, s/o by man, (Hewitt 7-6)
 11805 BRAZIL R Globo; 0145 PP, tik, mx, ads, fair (Zilmer 7-27)
 11810 POLAND Polish R; 0300 EE, freqs & sched, nx, mx, life in Poland, fair (Zilmer 7-19)
 11810 ALGERIA RTVA; 2145 AA, chanting mx, //11715, poor (Zilmer 8-1)
 11810 INDIA AIR; 1220 EE, ID, play, mx, (Monroe)
 11810 ITALY RAI; 0100-0120* EE, tik, ID, nx, followed by FF px, 0205-0225 II, short repts, pops, tlks, poor-good (Russell 6-26,27, Fino 7-14)
 11815 NETH ANT TWR; 0130*, 1105-1130, 1211, EE, rel px, DX Special, fair-good, (Jones, Lovett 7-24, Brunner) (Monroe, Zilmer, G. Miller, Wegener)
 11815 POLAND Polish R; 0300-0330 EE, ID, into Polish at 0337, nx, cmntry, poor-good,/
 11820 MEXICO XEBR Hermosillo; 1430 SS, mx, ads, up from 11818.7, (Behr)
 11820 ASCENSION IS BBC; 0105-0115, 0305, 0408-0414* SS, nx, cmntry, ID, to LA, good-fair (Fino 7-28, Veidt 7-27, Hewitt 7-10)

- 11825 TAHITI RT; 0420 Tahitian mx, good (Veidt 7-26)
 11830 UNID; 1245, seems to ID as Inilan Radio Revoluso Malaya, not sure, many mentions of Malaya, (Robinson-Swaziland)
- 11835 HAITI R 4VEH; 1300-1350, 1810, 0000 EE, rel px, nx, ID, //1035, 6120, 9770, fair-good (many)
- 11835 SRI LANKA VoA; 1445 EE, ID, nx, mx, (Monroe)
- 11835 URUGUAY R El Espectador; 0200 SS, mx, ID, under RCI, poor (Shockley 7-7, Pyatt 8-8)
- 11835 CANADA RCI; 0350 SS, mx, 1850-1915 EE, mailbag, DX px, G-E (Brunner, Hewitt 7-10)
- 11840 PORTUGAL RP; 0204-0232 EE/FF, 0125-0146 SS, *0300-0335 EE, ID, mx, tlks, nx, fair-good (Earhart, Veidt, Monroe, J. Davis) prob. USA-ed.
- 11840 USA VoA loc?; 0000-0030 EE, nx, cmntry, good (Fino 7-25). Philippines list, but/
 11840NF ROMANIA RB; 0530-0600 //15380, 17840 not hrd, since mid-July, (Padula-Australia)
- 11840 GERMANY (DR) RBI; 0343 EE, 0415 GG, nx, tlk, good, (G. Miller, Monroe) Wootten)
- 11845 VATICAN VR; 0100-0115 EE, IS, ID, rel nx, to 0130 in FF, G (Russell, Veidt, Fino/
 11850 NORWAY RN; 0500 NN, 1830 EE ID, NN, 0105-0128 NN, anmts in EE, nx, cmntry, fair-good (G. Miller, McCoy, Fino)
- 11850NS MALTA DW; 1910 AA to 2100*, test tx, QRM, (Behr 8-1)
- 11850 USA VoA Delano; special EE to 1430 then Indon, good (Whitacre 7-30) Fino)
- 11855 CANADA RCI; 2040-2059 EE/FF, FF tlk, then nx in EE, 2130 EE, mailbag, (Wootten,/
 11855 USA WYFR; 0030 SS, very good, (J. Davis)
- 11855 BELGIUM RTB 2255 EE, 2215 FF, poor-fair, (Shockley, Zilmer 7-19)
- 11860 NORWAY RN; 1800-1815 EE nx, ID, tlks, 2245 NN, //11850, 0420 SS/NN, 0000 EE, various px, poor-fair (Brunner, Miller, Wegener, Zilmer)
- 11865 BRAZIL R C Pernambuco; 2315, 2130, PP, mx, covered by malta at 2135, sports, tlk, fair (Zilmer 8-4, Cress)
- 11865NS MALTA DW; 2218-2239* GG, EE ID, 2300 GG to SA, 0300-0400 GG, 0442-0510* GG cmntry, request reports, hrd since 7-31, fair-good, QRM de HCJB, (many)
- 11865 ETHIOPIA ETLF; 0553-0609* EE, rel px, good, (Ross)
- 11870NF USSR RM; *1315 Mongolian svce, //9590, 9645, very good (Willis-Australia 7-5)
- 11880 TURKEY VoT; 2200-2230* EE, tlk abt Cyprus, TT mx, 0430 EE, ID, poor-good (many)
- 11880 GERMANY (FR) DW; 2245 PP, to Brazil, tlk, QRMs Turkey, (Wootten 8-7)
- 11890 PHILIPPINES FEBC; 0815 IS, s/on in FF, good (Hill 7-13)
- 11892NF ALGERIA RTVA; 0730 FF nx, ex 11915, 11910, good, (Willis-Australia)
- 11895 UNID? Prob. Portugal RFE; 1830 Romanian, 0430-0545 lang, tlks, IDs not understand able, RFE or USSR, poor (Brookwell, Robins)
- 11900 NIGERIA VoN; *0600 EE, IS, ID, nx, (Wegener 7-16)
- 11900 ETHIOPIA ETLF; 1510* EE, px in Hindi, oriental singing, good (Brookwell)
- 11900 USSR RP&P; 0327 lang, cornets IS, QRM slop from KGEI, (Brookwell)
- 11905 TAIWAN VoFC; 0700, 0300 CC, jamming, (Willis-Australia 7-8).
- 11905NS BRAZIL R Gaucha (Behr); 0130, 0219 PP, until 0300 wipeout by KGEI, 0819, PP tlk, mx, records interrupted by anmts, poor, //6135, (Zilmer 7-27, Behr, Dexter 7-15, Hill 6-30). Russell, Zilmer)
- 11910 HUNGARY RB; 0057-0102, 0300 EE, ID, nx, tlks, trumpet IS, fair (Edelson, Bruner,/
 11910 MALASIA BBC; 1430 lang, 5 dot 1 dash ID, OM nx, poor (Brookwell)
- 11915NF CUBA RHC; SS heard when HCJB off for antenna switch (Lovett 7-23)
- 11920 PHILIPPINES FEBC; 1120 EE, into Indon at 1143, fair (Wala)
- 11925 BRAZIL R Bandeirantes; 2300, 0155 PP, tlks, sports, hrd under DW, poor-good, (Wegener 8-4, Zilmer 7-21)
- 11925 S KOREA R Korea; 1430 EE, nx, cmntry, ID, (Robinson-Swaziland) Brunner)
- 11925 SPAIN RNE; *0200-0212 EE, nx, tlk abt Prince Juan Carlos, mx, VG (Edelson, /
 11925 CYPRUS BBC; 1845-1930 EE, concert mx, nx, (Tuchscherer 8-8)
- 11930 CUBA RHC; 0152-0200 EE, ID, mx, tlks about Cuba, nx, good (Fino 7-14)
- 11930NF FRANCE ORTF; 0700 FF, //11735, 9620, 9585, excellent, (Willis 7-8)
- 11935 PORTUGAL RP; 0030, 0102-0114 PP, nx, sports event, ID, fair (Fino, Brookwell 7-24)
- 11935 BRAZIL R C Paranaense; 1110 PP, mx, poor (Zilmer 7-28)
- 11935 BELGIUM RTB; 1610 FF, drum IS, px to Africa, fair (Shockley 7-4)
- 11940 SWEDEN RS; 0230 EE, nx to Aust-NZ, QRM de Romania, poor (Zilmer 7-22)
- 11940 LIBERIA ELWA; 2015-2100 EE, rel px, nx, fair (Ravenhorst, Wala)
- 11940 ROMANIA RB; 1300, *0230, 0410 EE, nx, sports, poor (Overcamp, Wootten, Bettenh-n)
- 11940NF ALGERIA RTVA; 1611 AA, nx, ID, mx, fair (Shockley 7-4)
- 11945NF SPAIN RNE; *2200-0400* SS to Americas, ex 11935, //11775, 9580, 9630, 15145, ID, usual mx, fair (Behr 8-3, Earhart 8-7, Padula-Australia 8-2)
- 11945 GERMANY (FR) DW; 0212 EE, cmntry, to SEA, tlk abt Asian Games, good, (Mayer 7-18)
- 11950 LIBERIA ELWA; 0730 EE, rel px, fair (Ross)
- 11950 HOLLAND RN; 2130-2250* SS, Happy Sta px, good (Zilmer 7-21, Wootten 8-6) enhorst)
- 11955 SWEDEN RS; 0230 FF into EE, 0245 EE mailbag, DX px, G (G. Miller, Brookwell, Rav/
 11955 CYPRUS BBC; 0205 EE, nx, ID, fair (Shockley 7-7)
- 11955 USA UNR Bethany; 0220-0400 EE, chamber mx and anmts about Security Council talk about Cyprus, (Brookwell 7-24)
- 11960 JAPAN NHK; *1830 EE, //9700, VG (J. Davis)
- 11960 MALI R Mali; *1700 FF, tlks, fair (Garrou 7-20)
- 11965 LEBANON RL; 0202 AA, 0225 EE, 0300 SS, nx, lite mx, cmntry, poor-good (many)
- 11965NF GUINEA Conkary; 0347-0410 FF, coro mx, //9650, fair (Mayer 7-24)
- 11965 BRAZIL R Record; 0015 PP, tlk, sports, poor (Zilmer 8-4)
- 11965 ALGERIA RTVA; 2248 AA, Kabyle folk mx, good, (Wootten 8-6)

- 11970 CUBA RHC; 0200-0210 SS, ID, piano and other mx, nx, good (Fino)
 11975 USSR RM; 0325 SS, usual tlks, mx ID, f/o 0334; also UNID this freq 0426 lang tsk and 7 note celeste or gong ID, not RM format, prob Iron Curtain sta., (Brookwell)
- 11980 USSR RM; 0600 EE, nx, cmntry, (Wootten); R Kiev, 2230 Ukrainian, nx, G (Wootten 8-6)
 11980NF CUBA RHC; 1452 SS, //11970, ID, this freq not in sched., tx spur?, (Brookwell)
 11990 CZECHOSLOVAKIA RP; 0349-0415 EE, ID, contest results, nx, good (Fino, Brown)
 11990 CANADA CBC No. Svc.; 2200-2225 EE, nx, cmntry, features, good (Zilmer, Wootten)
 12000 USSR RM; EE at 0402, ID, usual tlks, poor (Brookwell 7-9)
 12005 USSR R Kiev; 0320-0345 EE into Ukrainian, amts about tx and px, good (Fino 7-19)
 12005 EGYPT R Cairo; 2045-2100 AA, drama, fair (Earhart 8-7)
 12010 USSR RM; 0337 lang, usual tlks, f/o by 0415, very poor in QRM, (Brookwell 7-9)
 12015NF USSR RM; 0339-0400 SS, tlks about Mexico and Ecuador, cmntry, to Mexico, (Brookwell-1)
 12020 USSR RM; 0030 PP, 0115 SS, usual tlks, 7 note gong IS, poor-fair (Brookwell)
 12030 USSR RM; 0148 SS, tlks by OM, mx ID, very poor, QRM, (Brookwell 7-10)
 12040 UNID; 0122 lang tlks by M&W, bad QRM, no ID, (Brookwell 7-10)
 12050 USSR RM; 0330 EE, very good (J. Davis)
 12060 USSR RM; 0135 SS, usual tlks by M&W, //12010, 12020, poor to fair (Brookwell)
 12069 N KOREA R Pyongyang; *2200 with NA, KK ID, tlks, fair-poor (Shockley 7-7)
 12240 ASIATIC RSFSR Magadan; 1750 RR vocals, good, (J. Davis) (Whitacre)
 15000 USA WWV; announcing plan to lower power of WWVH to 5kw. Objectors should write./
 15060 CHINA RP; 0025 EE px, good (Ross)
 15070 ENGLAND BBC; 1338-1400 EE lbx, nx, excellent (Brunner, Kannry)
 15084 IRAN RT; 1755-1834, 2340 Farsi, Iranian mx, poor-good (Brookwell, Coursey, Whitacre)
 15100 ISRAEL IBA; 1000, 0400 EE, nx, poor (Zilmer 7-18, Padula-Australia 7-21)
 15105 JAPAN NHK; *2200-2230* EE/JJ, 0500 IS, 2100 EE, *2000 EE/JJ, nx, tlks, fair (many)
 15110 USSR RM; 2245-2300* EE, px to Africa, poor (Zilmer 8-3)
 15110 N ZEALAND RNZ; 0230, 0320, 0400, 0527 EE, mx, wx, local nx, soccer, F-G (many)
 15115 FRANCE ORTF; 1600 FF, nx, cmntry, (Wootten)
 15115 PORTUGAL RFE; 2035-2045 Czech, tlks, US pops, tx trouble, fair-poor (Earhart 7-12)
 15120 SRI LANKA R Ceylon; 0200 EE comm Svce, BBC nx, pops, weak, (Zilmer 7-19, Garrou)
 15125 TAIWAN VoFC; *2130 JJ px and mx to 2230*, new since 7-14, very good (Behr)
 15125 MEXICO R Mex; 2330-2340 SS, mx, ID, good (Nebron 7-16) Earhart 8-1)
 15130 ISRAEL IBA; 1030 EE, 1055-1118 FF/Heb, mx, nx, tlks, fair-poor (Zilmer 7-18, /
 15130NF SPAIN RNE; 1435-1500* SS, beautiful mx, ID, to Americas, good (Earhart 7-17) =
 15130 USSR RM; 0615 EE, letters, noise, poor (Earhart 7-21)
 15135 BRAZIL R Record; 2315 PP, tlks, mx, jingles, poor (Zilmer 7-22)
 15135 USA WYFR; 2145 EE, rel px, fair (Ross)
 15140 SWITZERLAND SBC; 1445FF then II, *1315-1324 EE, nx, P-E (Estes, Jones 7-20, Wootten)
 15140 CUBA RHC; 2130 EE, VoV px, Cuba was rare DX in Morocco, (Wootten)
 15145 PORTUGAL RFE; 0941-0950 Polish, tlks, old US pops, QRM de RNE IS, F (Earhart 7-15)
 15150 CHILE VoC; 0221 II, address given, fair (McCoy 7-15)
 15150 ECUADOR HCJB; 2145-2230 SS, tlk, hymns, still on this freq, (Earhart 7-17)
 15150 GERMANY (FR) DW; 1400 GG, tlks, mx, under HCJB, poor (Zilmer 7-21) Whitacre)
 15155 FRANCE ORTF; 1040 EE, 1532 FF, //15295 to 1600, To Africa, F (Zilmer, Brookwell, /
 15155 BRAZIL R Tupi; 0100-0112, 0315 PP, tlks, nx, F-G (McCoy 7-26, Wegener 7-31, Coursey)
 15160 AUSTRALIA RA; 2210 mx under VoA, 0400 IS, (Veidt 8-1, Bettenhausen)
 15165 DENMARK RD; *2200 Danish to SA, EE ID, tlks, fair (Wegener 7-18)
 15170 TAHITI RT; 0244-0326 FF/Tahitian, pops, nx, F-G, (many)
 15170 GERMANY (DR) RBI; 1819 EE, nx, pops, fair (Ravenhorst)
 15180 USSR R Erevan; 0300-0330 Armenian/EE nx, vocals, freqs, very good (J. Davis)
 15185 USA WINB; rel px at 2230 in EE, QRM de VoA, (Agner, Keating 7-26)
 15185 FINLAND RF; 1400-1430, 1800 EE, nx, features, good (Edelson 8-9, Pyatt 8-8)
 15190 ETHIOPIA ETLF; 1415 EE ID, lang px, 1455 lang, EE IDs, 1610*, Cress 8-4, Brookwell)
 15190 CONGO RTVC; 1915 FF, nx, fair (Schwartz 7-28)
 15190 USSR RM; 1410 AA, (Willis 7-6)
 15200NF ENGLAND BBC; 2030, 2125 EE, ID, "Wales Today", fair-good (Wootten 8-5, Brookwell)
 15200 AUSTRIA ORF; 1830-1855* EE, nx, tlks about Vienna, ID, (Brunner)
 15210 USSR RM; 2350 EE, 2014-2028 JJ or CC, tlks, (Brookwell, J. Davis); R Kiev; *0300-0330* Ukrainian, very good (J. Davis)
 15210 LEBANON RL; 1843 tlks in EE, to Africa, poor, (Wootten 8-7)
 15215 TUNISIA RTT; 1415 AA, (Willis 7-6)
 15215 USA WYFR; 0230 IS into SS px, good (Ross)
 15220 S AFRICA RSA; 1100 EE, nx, cmntry to central Africa, poor (Zilmer 7-21)
 15225NF MALTA DW; 2259 s/on in GG, EE ID mentioning tests, to 0110*, fair to good, QRM de VoA, (Padula 8-2, Dexter, Hanner, Behr 8-1)
 15230 AUSTRALIA VLH15 Melbourne; 0529 EE, horse race, good (Veidt 7-27) ten, Brunner)
 15245 BRAZIL R Nac; *2100-2200* EE, PP mx, tlk, features, II at 2200, F-G (Zilmer, Woot-
 15250 ROMANIA RB; *1500-1526 EE, world and nat nx, ID, G (Brunner, Ross)
 15252NF ITALY RAI; 1830 II, to 1905*, //15385, 15400, (Behr 8-2)
 15260 VATICAN VR; *1935-1945 EE, rel px, (Brunner)
 15260 ASCENSION IS BBC; 2025-2045 EE, interview with Larry Magne, fair (Nebron 7-18)
 15270 JAPAN NHK; 2350 EE, nx, flutter, //15445, QRM, (Wegener 7-27, Bettenhausen)
 15270 SEYCHELLES IS FEBA; 0800 EE, "Back to the Bible", E, //1740, (Willis 7-26)
 15275 MALAYSIA VoM; 1521 IS, *1530, ID in Malay then into AA, Kuala Lumpur mentioned, good (Hill 7-7)

- 15295 USSR RM; 1635 lang, 1920 EE, usual tlks, nx, fair (Zilmer 7-28, Brookwell)
 15295 FRANCE ORTF; 0515, Paris calling Africa, poor (G. Miller 7-27) Brunner)
 15320 AUSTRALIA RA; 0224 //17795, 21740, 0625-0630* FF, pops, tlk, F (Edelson, Earhart, /
 15325 CANADA RCI; 1832 EE, nx, features, excellent (Pyatt 8-9)
 15325NF CHINA RP; 0100 EE, //15095, (Willis 7-15)
 15325 PAKISTAN RP; *0200 lang, EE ID, fair-poor, QRM, (Wegener 7-16)
 15330 BRAZIL Unid; 0145 PP, tlk, sports, //15155 (R Tupi), QRM AFRTS, poor (Zilmer 8-4)
 15335 EGYPT R Cairo; 2345 lang, 0045 AA, 0145 EE, chimes, E-P (Zilmer, Willis, Padula-A)
 15345 KUWAIT RK; 0430 EE ID, mx, comment, (Monroe)
 15345 CHINA RP; 1335-1355 VV px, good, //11980, (B. Davis)
 15346 INDONESIA RRI Jayapura; 0110-0135 Indon, lite pops, possible ID 0131, het (Hill)
 15365 CANARY IS RNE; *1955 EE ID, 2204-2245 SS, ID, mx, fair (Creamer, Whitacre)
 15380 CHINA RP; 0400-0455 EE, fair-good w/usual tlks, nx, some mx, (B. Davis)
 15390 VENEZUELA R Nac; 2200-2259 EE, 0005-0054 EE, also SS, continuing special px on
 Sea Law Conf., tlks, mx, address, ID, fair (Ross, Zilmer 7-26, Wootten 8-5,
 McCoy 8-2, Nebron 7-29)
 15395 PHILIPPINES VoA; 0055 CC, EE ID, fair (Robins)
 15405NF AUSTRALIA RA; 2300 pops, 2315 Indon nx, (Behr)
 15410 USA UNR Greenville; 1725 EE, 1835 EE/FF, to Africa, F (Agner, Keating, Robins)
 15410 RWANDA DW Kigali; *0545 EE, ex 9700 since mid-July, to W. Africa, (Padula-Austr.)
 15415 KUWAIT RK; 1845-1915 EE, pops and rock, request px, fair (Brunner)
 15417 BRAZIL R C Riberiao; 2250 PP, tlk, modern mx, fair (Zilmer 8-3)
 15420 ALGERIA RTVA; 2200 FF, tlk, mx, poor (Zilmer 8-1, Shockley)
 15420 CYPRUS BBC; 1857-1930 EE, WS, nx, rock vocals, fair (Whitacre 7-25)
 15425 AUSTRALIA VLW15 Perth; 0533, horse race, fair (Veidt 7-27)
 15430 SWITZERLAND SBC; 2100 EE, nx, poor (Zilmer 8-2)
 15440 USA WYFR; 2130 EE, rel px, (Bettendhausen)
 15445 LIBERIA VoA Monrovia; 1830 EE ID into FF/Afro lang., fair (Brown)
 15445 BRAZIL R Nac; 1547, 2330 PP, tlks, lite mx, hets and QRM, (Agner, Keating, Wegener)
 15450 USSR RM; 1500 EE, nx, cmntry, mx, poor (Zilmer 7-20)
 15455 USSR R Kiev; 0030 EE, YW w/nx, P, RM, 2300 EE, nx, G (Ravenhorst, Zilmer)
 15470 USSR RM; 1520 EE, nx, fair (Zilmer 7-30)
 15480 CLAND R Portugal Libre; *1800 organ IS, IDs and tlk in PP, QRM de RM, (Dexter 7-20)
 15490 ISRAEL IBA; *1900-1945* EE, 1543 RR, cmntry, nx, features, lbx, good (many)
 15490 USSR RM; 2100 EE, nx to Africa QRMing IBA, fair (Zilmer 8-2)
 15520 CHINA RP; *0100 EE, nx, cmntry, fair (Richezza 8-2, Robins)
 15600 ISRAEL IBA; 0545-0500* RR, nx, one hour earlier now, (Padula-Australia 7-28)
 16020NF CHINA RP; 0010-0018 EE, nx, ID, tlks about inroads by USSR fishing, F-G (Cress)
 17685 BANGLADESH RB; 0445-0515* EE GOS, ex 17690, new time, (Padula-Australia 7-27)
 27710 USA VoA Bethany; 2207 special EE, very good (Robins)
 17770 SWEDEN RS; 0705 Swedish relay of HS to Africa, recent NF this svce, (Padula-A)
 17790 ALGERIA RTVA; 2130, 2230 AA, AA & Western mx, ID, amnts, F-G (Robins, Shockley)
 17795 AUSTRALIA RA; 0135, 0200 EE, nx, ID, Church Svce., G (Bettendhausen, Jones 7-29)
 17795 LIBERIA VoA Monrovia; 1720 Afro lang, poor-fair (Robins)
 17795 SWITZERLAND SBC; 1340 EE, cmntry, fair (Schwartz)
 17800 GERMANY (FR) DW; 0630-0650 GG, additional freq to Africa, strong, (Padula-A. 7-21)
 17815 BRAZIL R Cultura de Sao Paulo; 1530-1555, 0035 PP, tlk, var. mx, P-G (Zilmer, T-er)
 17840 ASCENSION IS BBC; 1445-1500 EE, class mx, fair (Earhart 7-29)
 17840 VATICAN VR; 0615 EE ID, into Belorussian at 0623, NF, (Padula-Australia)
 17845 INDIA AIR; 1155-1300, mx, Cantonese tlk, EE tlk defending Indian actions, nx at
 1300, tlks about Turkey and Cyprus, unlisted tx, (Matthews 7-21)
 17865 EGYPT R Cairo; 1535-1610 AA, chants, nx, ME mx, E (Tuchscherer)
 17875NS MALTA DW; 1600-1751* GG, test tx, fair (Behr 8-1, Whitacre 8-7)
 17880 ECUADOR HCJB; 1332-1340 EE, 2255 RR, rel px, fair-good (Earhart, Robins)
 17895NS MALTA DW; 1615-1635 GG, variety of vocals, EE ID, (Tuchscherer)
 17900 USSR R Erevan; 0300-0328, Armenian, some EE, poor (Wala)
 21510 S AFRICA RSA; 1500 EE, nx, ID, mx, QRM, (Brookwell 7-29)
 21515 USA UNR Greenville; 1720, SS transl. of px on 21670, cyprus tlks, (Robins)
 21590 SAUDI ARABIA BSKSA; 0505-0600 AA, //15260, chants, strong, (Padula-Australia)
 21660 LIBERIA VoA Monrovia; 1705 Swahili px, poor-good (Robins)
 21670 USA UNR Greenville; 1715, Cyprus tlks at UN, good (Robins 7-22)
 21690 USA VoA Greenville; 1610 EE, Afro lang at 1630, poor (Robins)
 21690 LIBERIA VoA Monrovia; 1715 EE, Africana, (Brown)

Thanks to all who contributed to Log Report this month. Here are my estimates of solar-terrestrial conditions for September based on the solar cycles. The solar flux should peak about August 27 and again September 21. Solar activity peaks are becoming less prominent as the sun-spot count continues to decline. Minor geomagnetic storms may occur about August 20 and 30, and September 14 and 24. Quiet periods (low A index) may occur about August 27, September 5, 19, and 21.

NASWA FLASHSHEET

SEPT. 1974Freq: KCSTime: GMTAL NIBLACK, Editor, 420 Shelby St., Vincennes, Ind. 47591 DEADLINES 10th & 20th MONTH

To the monthly loggings:

ANGOLA The following from Newsweek, 8/12: "After months of worrying, top PP officials think they have devised a way to give independence to Angola...and still keep oil-rich Cabinda...actually a separate enclave 40 miles away...if the Portuguese abandon Cabinda...which generates \$500 million a year oil revenues, they fear it would be seized by a free Angola ex by...Zaire...or the Congo Brazzaville. The Lisbon plan would set up Cabinda as an autonomous state, with Portugal furnishing military protection--and, sharing the oil money"....And so, for those who have been plumping for separate status in the NASWA country list for Cabinda, it may be in the cards after all. (Don Jensen, Wisc.)...7160 R. Clube do Huambo 2130, 8/9, PP woman amcr, with news. Vy good lvl, steady, some QRN. (Ed Shaw, Va.)

ANTARCTICA 6012 (FLASH) (Please see August MM-PS, Editor) AFAN, McMurdo logged on 8/26, a new station, in EE, and jingles on the hour, e.g., 0900. (R. Hamer, AUSTRALIA) (Yes, Virginia, AFAN, 6012, does in fact, exist, as witness the following confirmations, Editor)...Ed Shaw's detective work has turned up the following facts about the station. It has been on the air experimentally for about 30 days; it runs 1 kW to a vertical antenna and is intended for the 133 men stationed at McMurdo and those outlying bases 50-60 miles away. Ed also learned that there is opposition to QSLing because of possible sensitivities to transmitting from an international zone...Don Jensen says that he notes a depression on the fgy, possibly weak programming on the fgy; Don states that to the best of his calculations that the darkness pattern will hold favorable for about 30 days longer, possibly permitting logging of this station in NA...This one heard in Australia and New Zealand, 0530-1000, since 7/22, ake'd 24 hours. (SWCDXERS via Ernie Behr)...I noted in Australian Calling DXers Prgm that a commercial station from Antarctica has been heard boasting on 6012, 24 hours a day. I have made a couple tries, no ketchum. (Jon Williams, Ind.)...According to RA "DXers Calling", an AFRTS station has been heard by three Australian DXers. Have been in touch with the manager who confirms the AM xmissions on 6012. (Mike Agner, N.J.)...I have written AFRTS at Arlington, Va., to see if they will confirm this operation from Antarctica on AM on 6012 kcs; of course, there has been for years a SSB amateur operation on 20 meters, from Antarctica, that can be QSLed...two morning checks, 0900, 1000 (which are certainly not conclusive) produced but Radio Reloj, 6006, with a lot of side sloop-sloop for 6012, here in So. Indiana. (Al Niblack)

BOLIVIA 5008 R. Universo heard in SS and ID to 0340, 8/8, fgy up 1 kc...4424 R. Tacuiti, Guayaramerin, logged in Europe, with tent. ID, around 0200 (Scand. DX Report)...4958.5 R. Ibare, Trinidad, noted in Europe, probably from around 0100. (R. Finland DX Prgm)(Credit all the foregoing to Ernie Behr, CANADA)

BRAZIL The International Svc has been reinstated from R. Nacional Brasilia as heard once again at 2100 in EE, 15245, fair signal lvl. Also has PP prgm at 1900 and GG 2000. (Mike Fernaho, Minn.)...15245 R. Nacional Brasilia's International Svc is still on the air, noted 8/15, in EE at 2151, giving QTH, IS, etc. (Brandon Lovett, Ohio)...3298 Radio Nacional(?) heard 8/9 with variety PP music and ads. Abrupt off. Mentions of R. Nacional, no parallels I could find. (Ed Shaw)...5993.2 an unidentified Brazilian noted 2120, with man and woman amcrs, much listening netted no IDs. Slip-in fgy by R. Cultura da Bahia?? (Ed Shaw)... A new station, R. Brazil Novo, is under installation in Brazil Novo and will operate with 30 kW in the tropical bands...Another new station will be Radio Brazil Ciencia(no fgy quote, Editor) (Rich Keating, N.J., taken from SWCDXERS)...6015 R. Clube de Pernambuco in PP with sports, 0010...11950 Radio MEC at 0255 with PP talk and ID; as Radio Ministerio only 8/9. (Credit both to Bob Zilmer)

BURUNDI 4895 Radio Cordac logged with Afro music, mod music, 0405-0453, man amcr in Swahili(I think); several mentions of Radio Cordac, and Burundi, 8/19. (Al Niblack)

CHINA 15510 Radio Peking, 1200, with EE news, commentary, poor lvl signal. (Bob Zilmer)

CONGO 6115 RTV, Brazzaville, FF ID at 0540, then local music, good reception lvl. (Douglas Wicks, Pa.)

COLOMBIA Jim Whitehead of SPEEDX rpts that a new Colombian, Ecos del Atrato, has opened operations on SW. Use 5016, heard about 0110, with SS ID at 0130. QTH is per MW: Apartado Aezco 78, Quibodo, Choco, Colombia. This is probably what was reported in previous FS as Radio Sur Colombiana. Maybe this is a net name. (Mike Agner)...5016 A new station in Quibodo, Choco, noted here since 7/17 in SS to 0405*, some days till 0515. Is a "Todalor" net, but IDs not completely readable. (Ernie Behr) (Editor's note: See Gerry Dexter's remarks in previous FS, he suggests, "Evidora...Surcolombiana" is located at Neiva, has moved from 5010, to 5016) (I heard Emisora Colombiana on checks, on 5010; I suggest that it's entirely possible that we are talking about two different stations. In fact, with the possibilities involved with the number of SS speakers operating around that set of fays, it's quite possible we are talking about several different stations, Editor)... 6095 La Voz del Centro, SS talk and music, 0510 logging. (Douglas Wicks)...4905 Em Atlantic heard 0350 with SS talks, music, call letters 0400, gud lvl. (Steve Wallace)

DOMINICAN REP 4850 Radio Clarin, SS talks, music, an ID, 0415, very good, very excellent...4880 R. Commercial, SS and music, 0505, fairly good lvl. (Both to Douglas Wicks)

ECUADOR 3985 R. Popular, 1050, straight talking by OM in SS, ID at 1115. (Ed Shaw)

ETHIOPIA 9495 (Is this fgy correct, Editor) EWLP s/on 0245 in EE, also FF, into AA. (August Balbi)
GHANA 4915 Accra in lang, music, 0550, easy listening. (Douglas Wicks) / Balbi
GERMANY (E) 17700 HRI at 1200 with EE news, commentary, features. (Bob Zilmer)
GERMANY (W) 3970, DW/Juelich, schedule here 0700-0910; 2030-2240 in GG, with 100 kW. (Art Cushman, N.Z., via Ernie Behr)...17875 Voice of Germany, DW, at 1230 in EE, "It happened in Germany", to Africa, good lvl 8/14. (Bob Zilmer) (Any possibility this Malta, Editor)
ICELAND 12175 Reykjavik Radio test transmission, in EE, 6/25. (Douglas Wicks)
INDIA 15080 Bombay in language 1630-1700, loggable most days. (Friend August Balbi)
KOREA (N) 7407 R. Pyongyang at 1000, EE fgy siked, news, local music, //9895...11535 R. Pyongyang noted 1225 in language transmission, poor signal lvl, QM. (All to Bob Zilmer)
KOREA (S) 11925//9640 RK in EE news 0630; also same fgy at 1900, EE news. (August Balbi)
KUWAIT RK now on 11820, in EE from 1700-2000. (John Tuchscherer, Wisc.)
MALAYSIA 15365 BECFES, Tebrau, on new fgy, at 1300, with EE RBC World News. (Bob Zilmer)
MALTA (FLASHES) DW Relay in GG, 1630-1715, on 17875, 8/12, powerful lvl. Parallell 11705 in QM. (August Balbi)...11865 DW Relay noted 0345 in EE ID, GG songs, some QM. (Dave Williams, Oregon)...Logged Malta two days in a row on 17875, coming on the air at 1556 with IS, ask for reports, IDs in GG and EE. Sigs good. (Art Miller, Jr., Ohio)...DW Relay heard on about 7 fgy's since 8/1. Best reception on 17875 from 1600, and on 11865, from 2140, all in GG. (Ernie Behr)...11865 Malta noted 8/16 at 2147 in GG, 2157 ID for DW and Malta in EE, asked for reports. (Grady Ferguson, S. Carv)...Dave Williams (see above) also reports 17875, 1727-1750*, EE ID at 1738. QRM from Radio Moscow...DW Relay, Malta, noted on 9590, 1800; on 11865 at 2300, outstanding lvl; 17875, 1600, 8/9, poor lvl. All Malta Relays test annt in GG and EE, asking for reports. (Ed Shaw)...Malta DW Relay heard at 0400 with ID in GG, weak lvl. (Louie Werner, Calif) (NO fgy quotation, Editor)
MEXICO 11880 An old friend is back on the air! Radio Tricolor heard from 1300 in SS. (Art Miller)...11880.2 R. Tricolor heard with super signals since 8/12, music and SS ads. (Ernie Behr) 11880 R. Tricolor at 1115 with SS talk, ranchero music, ads. (Bob Zilmer) / Behr
Nicaragua 9581.3 Radio Mar, *1300 anthem, SS IDs, ranchero music...9580 This one, YWTP, noted in SS, ranchero music, man with ID 1315. (Grady Ferguson)
NIOSR 5020 ORTN in FF talk and chanting, 0533, fair reception. (Douglas Wicks)
NICARAGUA NBC, 4990, 0427, cycle tone, talk by woman, low modulation. (Steve Wallace)
PAKISTAN 17845 EP noted 1300 with EE news, on 8/13. (Bob Zilmer)
PANAMA (FLASH) HOXO, LV del Istmo, is planning to operate a low power SW transmitter on or near the 60 MB, probably within a year. (HOJB Party Line via Ernie Behr)
PERU 4791 R. Atlantida, SS talk and music, 0415. (Douglas Wicks)...4934 (TEXT) Noted 0245, R. Consejo Provincial, SS talk, music, ID at 0255, followed by fanfare. Oh, the item says positive ID. Some QM. Is low power; maybe an increase in power. (Steve Wallace)
PHILIPPINES 11890 FEBC at 0935-1001*, with EE and religious prgm, 8/12. (Bob Zilmer)
Saudi Arabia 15260 SABS, Riyadh, 1300 AA prgm, to 1501*, an ID. (Ernie Behr)
SWAZILAND (FLASH) Word just received direct, TWR, will begin testing by the end of August, though no fgy's or times quoted. (John Tuchscherer). QTH: TWR, P.O. Box 64, Mazini, Swaziland.
SEYCHELLES 11810 FERA on new fgy, 1700 Parsi, 1730 Urdu to 1745*; 11855 also new, 1746. EE.
SOLOMON IS SLES on new 9545, 7/30 - 8/6, from 0700 to 0750, when smothered. / Ernie Behr)
S/on in EE, vernacular; fair lvl, not heard since FLASHES August Balbi.
TAHITI 15170 R. Tahiti heard 8/7, with clear SS ID at 2005, then FF and music; possibly has a new SS prgm before 2000. (Ernie Behr)
USA 6010 New RBC Relay Dixon; 11880, new RBC Relay Delano. Both from 0214 S/on, with VOA ID and RBC SS Prgm to 0415*, since 8/6. (Ernie Behr)
VENEZUELA 4810 YWNG, Radio Popular, tuned 0335, found with a prgm of recordings and short annts in SS, good signal, no chance for Galapagos. (Grady Ferguson)...4980 Ecos del Torbes with EE IDs, fgy's, etc, daily around 0303. (John Tuchscherer)
OLANDSPITIN 9598V, Soviet station, *1230-1240*, CC talk, opens and closes with Inter-nationale", fair lvl, 8/6. (Ernie Behr)...14987V Liberation Radio?? No definite ID at 1300, and varying times in language; mentions of Vietnam, some music. (Bob Zilmer) (Vy probably Liberation Radio that works around that fgy, Editor)
LAST MINUTE ITEMS (Just in) POLAND 15120 Radio Warsaw noted at 0220 in EE; into Polish at 0230, poor to fair lvl. (David Coursey, Texas)...Radio Tricolor, MEXICO, on 11880, back, noted "mornings" and "evenings", 8/17, 8/18, same, many cms. Good lvl. (Jack Jones, Miss.)
JULY 1974: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 8-6-74- 1-82 2-97 3-96 4-98 5-107 6-111 7-88 8-63 9-42 10-29 11-22 12-27 13-28 14-46 15-65 16-74 17-65 18-59 19-45 20-50 21-55 22-61 23-64 24-62 25-61 26-67 27-60 28-61 29-42 30-41 31-38 MEAN-61.5
PREDICTED: AUG-32 SEP-31 OCT-30 NOV-29 DEC-28 JAN-27 (Grady Ferguson)
LAST, LAST MINUTE ITEM in re Antarctica, I wish to make mention that all I have noted on 6012, around 0800, that there is a definite carrier depression there with possible imagination level modulation - I have noted the carrier depression several times. (Ed Shaw)
ACKNOWLEDGEMENT To so many contributors, for so much help. The support the last two issues of the Flashsheet has been wonderful....Please keep the reports coming as we approach the DX season, THANK ALL OF YOU.
PLEASE NOTE: In re questions concerning the Flashsheet, such as the cost per year, how to obtain it, such allied questions, please do not, I repeat do not send such to me; these questions should be sent to Prexy Dan Ferguson, at HQs. Dan is the Executive Editor. Please do not send me money for same, send it directly to Editor Dan. I prepare the Flashsheet masters, but beyond that I know little about answers to the other questions, and have very little or no knowledge who actually receives the Flashsheets....last minute items may be phoned to L-812-882-3976 before 2000 GMT. I am..... With Vy 73,
 AL NIBLACK

Last month I lost the credit list temporarily. The result was that we learned just how much people use the credit list, as numerous DXers wrote to ask if it had been dropped permanently. The following list of almost 100 contributors covers contributors to the August Log Report, and the September Log Report and QSL section....Dan Ferguson

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 MILLER, Gus, Newark, CA(DX150A)
 MEEHAN, Jim, Berkeley, CA(SX190)
 MONROE, Morgan, Sand Point, ID(HQ-150)
 NEEBON, Larry, Daly City, CA(SX190/SANTO)
 OVERCAMP, Thomas, Bladensburg, MD(NC98)
 PAJULA, Bob, Australia(CRI00)
 PARKER, Scott, Maskegon, MI(?)
 PASCHKE, Bill, Beloit, WI(R390)
 PERDUE, Neal, Hillington, TN(SB313/HA600A/SW4A)
 PLUM, W.J., Union, NJ(?)
 PYATT, Edward, Conway, SC(XCR30)
 RABON, George, Jackson Hgts, NY(DX150B)
 RAVENHORST, Greg, Clarks Grove, MN(DX150A)
 REEVES, Scott, Laurel, MD(SX190)
 RICHIEZZA, Ed, Philadelphia, PA(SW4A)
 RIPPEL, Chuck, Virginia Beach, VA(SP600/
 R4B/HQ180)
 ROBINS, Andrew, Kalamazoo, MI(SX190/
 SP600/SX28a)
 ROBINSON, Daniel, Swaziland(SPR4)
 ROSS, Michael, Ronkonkoma, NY(SX190)
 RUSSELL, W.Keith, Urbana, IL(SX190)
 SCHNABEL, George, Rochester, NY(SW4)
 SCHWARTZ, Richard A., Devar DE(SX190)
 SHAW, Ed, Norfolk, VA(SF600/X190)
 SROCKLEY, Mike, Waukeg, IA(DX150A)
 SMITH, Todd, Wilton, CT(GR64)
 SPARKS, Bill, San Francisco, CA(
 TUCHSCHERER, John, Neenah, WI(HQ100A)
 TYSON, Craig, Australia(Trio9R59DS)
 VEIDT, Bruce, Grimsshaw, Alberta,
 (SX190/SW717)
 WALA, Philip, Milwaukee, WI(S118)
 WALLACE, Steve, Lewistown, PA(DX150A/
 /R4B)
 WEAVER, Art, Lincoln, Neb(Sory)
 WEBB, Corky, Dallas, TX(SPR4/R4B)
 WEGENER, John, Godfrey, IL(DX150A)
 WHITACRE, Bill, Lansing, MI(R4B, SX96)
 WILLIS, Michael, Australia(9R59DE)
 WILSON, Solomon, Philadelphia, PA(SX190/
 DX160)
 WILLIAMS, Dave, Astoria, Oregon
 WOOTTEN, Charlie, Bethesda, MD(Zenith T/O
 SRR13/R390)
 YAMRON, Larry, Pittsburgh, PA(HQ180/SX190)
 ZILMER, Robert, Milwaukee, WI(SPR4)
 * * * * *

NOTICE NOTICE

Ed Shaw is moving back to California. Correspondents are advised to curtail communications effective 21 Oct 77, to insure delivery by 1 Nov 77. A new permanent address will be printed later. This will not endanger SWC. Please submit SWC material to HDQ until Ed's permanent address is given. Thanks!

*****NOCADS*****NOCADS*****NOCADS*****
 NORTHERN CALIFORNIA DXERS MEETING TO BE HELD AT HOME OF DOUG SHYDER OCTOBER 26. Address is 3130 Woodmont Drive, San Jose, CA 95118. Phone 508-2660590. Please write or call if attending, as my wife needs to know how many steaks to buy(hi!).

ABBREVIATIONS We are still in a holding pattern on the abbreviations list. We hope to include it next month. No space this month, it appears.

SURVEYS* SURVEYS* SURVEYS* SURVEYS*
 The Australian Radio DX Club has published two new surveys. One, a survey of LA stns hrd in Australia, is a good rundown of the LAs. The other, an INDONESIAN SURVEY, is based on monitoring of Indonesians in Australia, abt 150 stns, inc MW, w/name, freq, observed reception times, and other information. Plenty of info not given by WRTH. LA SURVEY (IRCS) (see 3 IRCS). INDO Survey (IRCS) (see 3 IRCS) from ARDXC, P.O.Box 227, Box Hill, Victoria 3128, AUSTRALIA

73 from

NASWA

BOX 8452
So. Charleston, W. Va. 25303

Address Correction Requested

NASWA's FLASHSHEET is compiled twice monthly and mailed separate from FRENEX. FLASHSHEET EDITOR is AL NIBLACK, 420 SHELBY STREET, VINCENNES, IND. 47591. All reports for FLASHSHEET go directly to Al, not to HDQ.

NASWA dues are US\$10 in North America. Overseas the dues are the same, but airmail is available overseas for the following additional charge: Central America and the Caribbean \$4; South America and Europe \$5; Asia & Pacific \$6.

The FLASHSHEET is available to members for US\$4 per year in North America. It is airmailed overseas to members who desire it for US\$8.

Checks/money orders for dues and/or the FLASHSHEET should be made payable to NASWA and should be sent to NASWA, BOX 8452, SOUTH CHARLESTON, WV 25303 USA



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