

# FRIENDS

The SHORT WAVE BROADCAST Journal - Since 1962

## DX & SWL NEWS

4-74



BEN CUMMINGS  
MC OF HCJB'S "MORNING IN THE MOUNTAINS"

# LOUDENBOOMER REPORT

I'd thought this whole balony about "courtesy broadcasts" curled-in its toes and died years ago! Apparently not. I scanned one of my favorite DX bulletins the other day, and just like the 17-year locusts, the doggone thing has surfaced again. These recent efforts will no doubt learn what IWWCDXA learned years ago...

Back in '52, even I was infected with the appealing prospect of arranging for a rare station to aim a broadcast right at me -- what could be better? And so, it was your old buddy CL writing to the most unhearable of the unhearables: Male Chef Radio.

It was surprising that I had the gumption to write Male Chef in the first place. But even more astounding, the station replied a month later!

As I recall, it was a QSL-postcard, marked "specimen only" with a scrawled message from the CE, a Mr. Gallapono Gourami. My mouth hung open, my jaw wiping the dust off the top of my Hammagrub Super-Prop, as I read the magic words: "Okey doke, yankee, you on de air." Gad!

Then it registered: Gallapono obviously expected me to provide a taped program for them to air. Me. Loudenboomer. A listener, pure and simple, used to the other end of the radio game. To put it simply, I didn't know my coax from a hole in the ground wire.

Undaunted, and for the greater glory of the International Worldwide Continental DX Association, ol' CL went to it.

It took a few weeks I admit to master some of the niceties of producing a shortwave broadcast (like mumblin' in the funny English I'd heard on the bands, and simultaneously cranking down the gain on the tape recorder any time I said something important for DX log-taking purposes. You know, brand names of products and the like.)

But I finally mastered it, and it sounded great! ("Dis um Radio Malee Chevs burdcastin' fum the Int-nashall Woo-Wy Contentall Dee-Eksin' Assosh...") Then fade out of OM and into Turkey in the Straw at 16rpm.) It was simply lovely.

As an afterthought, I included a short announcement that all accurate reports would (in addition to the QSL) get a "special prize souvenir," appropriate to the broadcast.

I wrapped the treasured program in old copies of the New York News bulletin, 20 feet of bell wire, and the bundle was on its way to Male Chef.

March 11, 1952 at 0940, or 1120 or 2300, the broadcast was supposed to be on 5047 kHz//3331 kHz. I put on the phones and there it was, clear as a bell! Gad, my XYL's voice crackled out of the set. Somehow, I'd sent my general-use tape!!!

"CHARRR-LEEE!! Get out from under those headphones and get the garbage out. NOW!!

And then another voice followed, a whimpering, soft voice that I recognized as my own!

"Yes, turtledove..."

The sound of a squeaking chair followed, and then, enter the voice of one of the kiddies..

"Testin'...doot...doot...doot...doot..." went the brat's song.

Irving Berlin need have no fear about the competition. I slumped in the chair and turned off the set.

And so, that's why I think these courtesy programs are for the birds. No, it wasn't just because of the embarrassment to myself or IWWCDXA. Heck, my image was none too good to begin with.

It was just that silly promise I made about an "appropriate souvenir" for listeners. I didn't have enough tape to wrap up the XYL, and the truck had already hauled away the trash.



# SHORTWAVE CENTER



Edward C. Shaw  
NASWA - WDXMEGV  
621 Bareleigh Avenue  
Norfolk, Va. 23505 USA

EXCLUSIVE!!

## THE ANDAMAN "SAUDARA" RECEIVER

As a special service to our membership, NASWA would like to take this page to introduce a new piece of equipment only recently discovered by accident. The Andaman Electronics Company, Ltd, of British license is little known outside the Indian Ocean area and Indonesia. This small firm manufactures the Andaman model "Saudara" table-size receiver which might just answer the needs of the DX fraternity.

The "Saudara" is a hybrid circuit consisting of a solid-state front end of famed British Racal design, with a vacuum tube audio system. The Racal design is nearly revolutionary in that it permits close-tolerance readout of frequencies by dialing desired megaHertz on one dial and kiloHertz on a second dial. Frequencies as close as every 5 kHz are read with ease. A small vernier trimmer permits fractional kHz readings to within 100 cycles.



\$55.00 U.S.

NASWA got first wind of this receiver via a Japanese member of NASWA visiting friends in Indonesia who had such a receiver. With little trouble, a local dealer provided a manufacturer's handbook and schematic. The receiver costs about \$35.00 U.S. equivalent - and the dealer said that he could deliver these receivers for that price plus \$8.00 air freight charge to America. One could expect to also pay a duty of about \$10.00 more before the U. S. Postal Service would deliver. So, for a price of less than \$55.00, this excellent receiver could be made available to American DXers.


The following is a consumer's report from Sessue Mikkomishi of Sasebo, Japan: "The 'Saudara' radio is in wooden cabinetry measuring approximately 40 cm wide, 20 cm tall, and 30 cm from front to back. The controls include on/off switch, volume control, tone control, MHz dial from 0-18, kHz dial from 0-995, fine tuning (trimmer), antenna tuner, noise limiter switch, BFO with selectable Upper/Lower Side Band and pitch control, crystal filtering of .5, 1, 2.5, and 5 kHz with crystal phasing control, S-meter, combination AF/RF gain control, separate IF gain control, dial light switch, crystal calibrator for 5, 10, 25, 50, 100, 500, and 1,000 kHz, battery/house current switch, and 3-position antenna selector switch.

"The manufacturer's specifications give a sensitivity reading of one-quarter microvolt for 6 db signal/noise. Images are non-existent. The noise limiter really works to knock off annoying lightning crackle and street ignition. There are provisions in the rear of the chassis to attached a noise blander as well as some other provisions in case the receiver should be used with a transmitter. The 'Saudara' receiver performs best on 31 meters and below.

"Outstanding reception was noted during initial use in Indonesia. There are many small low frequency stations below 4,000 kHz. Other prized catches from Japan include CFVP on 6,030 in Calgary, Alberta; Radio Tanzania Zanzibar on 3,339, Austrian Army Radio on 9,150; and Radio Ulan Bator, Mongolia on 6,383. It compares favorably with my HQ-180 and Drake SPR-4 - and, this astounds me!"

NASWA members who would like to have more information on this receiver are invited to send name, address, and 2 IRC's to Charlie Loudenboomer's home address in care of: A-P-R-I-L F-O-O-L. (Gotcha!) (Hi) Actually, we didn't believe anyone would be caught by this baloney. And anyway, Charlie's receiver runs rings around most other receivers. Why would he want another one? His was manufactured by Jan Mayen Islanders. Ed Shaw.

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A VISIT TO MALAYSIA AND SINGAPORE

 by Bob Padula  
 DXus Australo

About the author. Bob Padula is an Australian, and member of NASWA for many years. He has devoted much time to the hobby, particularly in the ministrations of ARDXC, Australian Radio DX Club. Bob's experiences shared in the following story provide interesting and useful pieces of knowledge to fill out our own DX knowledge. His normal use receiver is a Marconi CR-100, about which we may have a description in a future FRIENDX.

I recently spent two weeks on a "packaged tour" organized by QANTAS Airline, which is the one you Americans usually see advertised by the cuddly koala on the beach. Our destination...Singapore and Malaysia. If you will examine your atlas, you will see that the independent city/state of Singapore is just on the southern-east most point of Malaysia. Whilst not intending specifically to do any serious DXing away from home, I found that the proximity to Sumatran Indonesia just too tempting and soon invested in a 5-band model from the duty-free choices manufactured in Singapore - to the tune of about \$42.00 U.S. It should be interesting to see what the airwaves some 5,000 miles from my own home town would bring.

DXing from hotel rooms is not without its problems - as I'm sure many of you realize - due to the lack of suitable external antenna facility...and, particularly so when one is located on the 21st floor of a hotel such as the magnificent Mandarin in Singapore! Equally aggravating the situation were the shielding effects of the building due to the steel frame construction. And too, the multitudes of TV horizontal oscillators and other man made nuisance noises made listening a practical impossibility.

Despite these limitations, I was able to establish the overall reception patterns, and a handful of reports were sent out. I stayed at four different places; the Hilton in Kuala Lumpur, the Mandarin in Singapore, the recently opened Rasa Sayang at Penang, and at the government-run Rest House in Malacca. The last was most fascinating as it was the original Portuguese settlement in the 14th century, and Portuguese is still spoken in parts of the town. However, most of my listening was attempted in Penang, Kuala Lumpur and Singapore.

In South East Asia, as in most tropical areas, and particularly where radio coverage in mountainous regions is desirable, the effectiveness of the standard medium wave band deteriorates, especially during daylight hours. This, combined with the relatively high noise level associated with the almost continuous thunderstorm activity, precluded reliable MW reception into the "out-back" areas. For these reasons, extensive use is made of the 125 and 90 meter bands, and the broadcasting pattern in South East Asia reflects this situation admirably. Useful daytime signals are possible for distances up to 500 miles or so during daytime hours on these low bands, far greater than any comparably-powered medium wave transmitter would reach. Local broadcasting, however, seems to be edging closer and closer to the VHF-FM system in the Singapore area.



From each of the places at which I stayed, there was always useful reception in daylight hours of a number of Indonesian stations. From Penang and Kuala Lumpur, a variety of Sumatra RRI outlets were audible in the early afternoons, including Banda Atjeh on 4955, Padang 3960, Medan 4765//3420, Pakenbaru 5860, and Bukittinggi 4885. Toward 5 p.m. (or 0930 GMT) which was 2 hours before sunset, the bands really came to life! And, by 1130 GMT, the lower bands were virtually packed solid with Indonesians! It was not practicable to make more than a purely superficial check of these, due to the poor calibration of my portable which measured in megahertz only. Trying to pinpoint a particular frequency is not easy, to say the least!

From Kuala Lumpur, the 49 mb outlet of Padang on 6190 offered a superb signal between 0630-0700 GMT, and the nightly English news roundup from Yogyakarta on 2350 from 1130-1145 GMT was also of interest. A whole host of Indonesian stations between 3400-3900 were noted, many of which are in the "Radio Khusus Pemerintah Daerah Kabupaten" network, but I could not sort any of these out. (To be concluded next month)

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Listening to Radio Australia's "DXers Calling" - Sundays at 1300 and Mondays at 0215. Check FRIENDX Log Report and Listener's Notebook for possible frequency schedules. Ed.

# RADIO MALAYSIA

FEDERAL HOUSE  
P.O. BOX 1074  
KUALA LUMPUR

A Triple Crown for NASWA

Radio Malaysia forms a complex worth three countries for NASWA's purposes. Not only does Malaysia itself count as a country, but the Radio Malaysia complex also broadcasts from the regional areas of Sarawak (pronounced Sir-RAH-wah) and Sabah (pronounced S'BAH) - both on the big island once known as Borneo. Borneo is shared by Indonesia's Kalimantan province and the state of Brunei, which is nestled snugly between Sarawak and Sabah on Borneo's west coast.

*Radio Malaysia, Kojang.*



The three NASWA countries - all under Radio Malaysia - are enviable catches. There are currently six transmitters at Sarawak with future plans for twelve more by the end of 1976. On Sabah, there are three transmitters and plans for four more. Most of these will be of the 10 kilowatt size.

The national network broadcasts in Bahasa Malaysian only and presents around-the-clock services for all its people. Entertainment comprises 63% of its programming. There are other networks: the Blue, Green, and Red - each for different languages on both shortwave and AM. The overseas service of Radio Malaysia at Kuala Lumpur operates on five short wave frequencies. The Voice of Malaysia, or "Suara Malaysia" is now in its eleventh year. Broadcasts are in four languages: English, Indonesian (closely resembling Malaysian); Thai and Chinese. Reception reports numbered nearly 82,000 in 1971 - mainly from the south east asia area, and many from the western hemisphere, including America



Each of the three NASWA countries have their own QSL cards, and QSL policy has been quite congenial in past years. Please consult your WRTH for frequencies to the three countries. Please take note, however, that Voice of Malaysia is also relayed from Sabah on 15295 kHz.

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**SPECIAL ANNOUNCEMENT:** Late news arriving at SWC address establishes likelihood of another special broadcast being aired for NASWA. The rare Polish Pathfinder Station, in a letter to your editor, indicates willingness to establish a special broadcast on May Day, the 1st of May 1974 on tentative frequency of 6,850 kHz. Times are also tentative, but will likely be 2300 GMT (which is still 30 April in America), and also 0200 GMT and 0500 GMT. Program details are being firmed with Polish Pathfinders at present. More word in mid-month FS.

Broadcasting was started in Malaya in the 1930's by a group of enthusiastic amateurs. In those days, Malaysia did not exist as such for the entire area was a British Protectorate. It was only at the outbreak of WWII that a small make shift station was established at Kuala Lumpur. Later, during the war when Japan was occupying the area, small stations were added at Penang, Malacca, and Seremban. It was not until 1963 with the formation of Malaysia that Radio Malaysia began expanding in earnest. Today, Radio Malaysia is an ultra-modern complex. The main studio building at Kuala Lumpur is six-stories tall and its cost, together with the equipment it houses, totals nearly \$12 Million.

The Sarawak station opened on the 7th of June 1954 with one AM and one SW transmitter. There were no experienced engineers or broadcasters, and the station was not truly sophisticated until 1963 when another short wave station was added - making two networks. By mid-1971, a total of four nets were broadcasting from Kuching, the capital of Sarawak province.

The Sabah station began in 1952, broadcasting only news and special announcements. In 1955, regular programs were inaugurated on SW in English, Malay, and Chinese languages. The first station was of 2.5 KW. New 10KW transmitters were established in 1972 at Kota Kinabalu.

EARTH'S WINDOWS TO EXOTIC DX

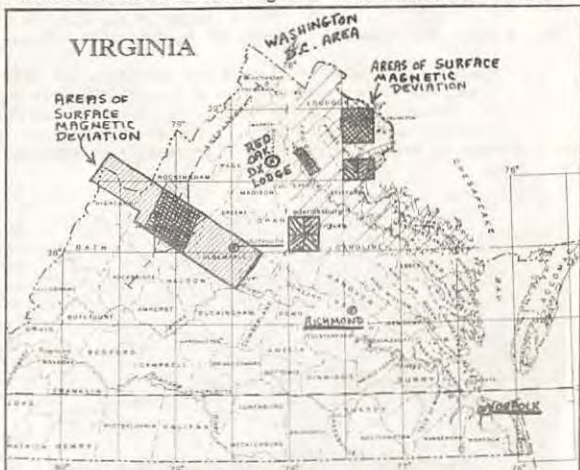
by Walter Breville

Along with UFO's, and other strange phenomena, are there windows that let in the exotic DX while denying it to other areas?

Perhaps you have wondered, as I have, why certain DXers in certain areas consistently pull in the weak, rare stations, far surpassing the efforts of others who put in just as much time - and with equivalent equipment. Sure, it is true that a viable knowledge of where and when to tune, a smattering of linguistics, and experience all helps. It also is well to have an ear accustomed to understanding weak voices sometimes buried deep in the QRM and QRN.

However, I have been in this hobby long enough to realize there is more to it than just these attributes of the top DXers. At least, it seems true with AM DXers.

Recently, I have discovered there are certain areas of magnetic faults in this country - and others - where the Earth's magnetic field is distorted. It is in these areas that a much greater percentage of UFOs are sighted, and more than normal numbers of reports of unusual phenomena and parapsychical entities. I have noted almost all of the top DXers live in or near these areas of deviation.



MAP OF EAST VIRGINIA'S SURFACE MAGNETIC DEVIATION AREAS

During a stint of five solid years of twisting the dials and gnashing my teeth as a fisherman in the ECB area of DXing, I am willing to bet that the same premise I have noted for AM DXers is true for SWEC DXers. Centers of magnetic deviation, or thick clusters of them, include much of the states of Nebraska, Illinois, Michigan, Ohio, West Virginia, Florida, southern California, and the Washington, D.C. area - among others. It seems logical, to this non-technical DXer, that areas where the Earth's magnetic crust is distorted have a pronounced effect on weak radio waves struggling in from afar. And, that DXers who live around these areas have a better than average chance to experience some of the more exciting DX. Perhaps they are doing so.

Maps are available for about 50¢ showing where magnetic disturbances are located in your area. Other detailed charts are also available to show the Earth's variations of magnetic flux lines. The Office of the Geological Survey, Reston, Virginia 22092 will provide you information where to obtain such maps. If you decide to try seeking exotic DX, try from the top of a high altitude area or near a large body of water in an area of magnetic deviation. Walter Breville.

An interesting observation, Walter. Perhaps you will like to examine more closely the layman's explanation of WWV's A-index in last month's FRENEX (Mar '74). We are already advised that propagation is affected in varying degrees by changes in the Earth's magnetic flux, seemingly related to what you are suggesting. Personally interested in your premise, I obtained maps locally for my own examination and the membership may be interested in seeing an example which seems to corroborate your suggestion. Many of you will remember reading of successful DX-peditions to Red Oak Mountain, Virginia where great DX was available. The cut out map above shows that Red Oak DX area is, indeed surrounded by surface magnetic distortion areas, evidently from ore deposits or other sub-surface phenomena. (ed)

NASWA members who are interested in this article and the previous month's explanation of Solar flux & A-index, and who would like a more technical treatise on Magnetic Propagation Effects in the Ionosphere by D. D. Meisel, may send a self-addressed and stamped envelope to SWC address for a xeroxed copy for their personal use only. This treatise is somewhat technical, requiring prior understanding of propagation fundamentals.

**JERRY LINEBACK**, co-editor of the Log Report staff, sends his photograph. He uses two receivers - Drake SPR-4, and Barlow-Wadley XCR-30. Other equipment includes a Gilfer A-20 preselector, 25 meter long wire, 24 hour clock of the digital readout type. Here we see Jerry in his usual DX position. In real life, he is a geologist for Illinois State. Jerry has been an SWL many years, having started on his parents console which had SW bands. He began to keep logs as a DXer about 8 years ago. His SPR-4 doubled his country count in about 1-1/2 years. Jerry is married, has one two-year-old, and expects another soon.

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Many tnx for the pix, Jer, and hope the next 1411 het is a girl. I'm partial to 'em. Ed.



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**NASWA TECHNICAL REVIEW: The KILBURG GEOCHRON - Jim Hagen**  
An Automatic Darkness Pattern Chart



Full enjoyment of any hobby always requires some investment, and the SWL hobby is no exception. The piece of equipment featured in this article is, without doubt an expensive frivolity for most DXers. But, NASWA is a large club with several members who might like this gadget. No doubt there will be some who buy this piece of equipment - as did Jim Hagen.



Kilburg - Geochron Corporation is the California manufacturer of this mechanical, electrically operated world time piece that displays a graphic chart of the world, and illuminates which areas are in daylight or night time. The chart sells for approximately \$550.00.



Geochron is a cabinet approximately 2x3 feet and 5 inches deep, the surface of which has a glass front covering over a colorful world map film on rollers which moves imperceptibly from left to right as day progresses. The bell shaped curve depicting daylight and darkness terminators remains in place, but changes shape throughout the months to compensate for changes in lengths of day and night as seasons go by.

Features of the Geochron wall chart show time anywhere in the world - even indicating those countries which differ from GMT by fractions of an hour, i.e. India (GMT plus 30 minutes). The date and positioned noon-day sun are also depicted.

Mechanical adjustment to the chart is simply accomplished by two or three knobs. The illumination from behind is provided by fluorescent bulbs. The cabinet is a beautiful addition to any office, den, or airport terminal lounge...but, it is ideal for the discriminating DXer for whom location of day/night terminators for any hour is of vital importance. If you write about this piece of equipment, say you saw it in FRENIX, and that Jim Hagen recommends it. Write: Kilburg Geochron Corp., 2515 Palm Place, San Mateo, CA 94403.

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**RADIO GETS NO PLUGS**

by Al Sizer

Recently, I read a travel article of several thousand words by the British writer, Aubrey Waugh. He had stayed for several months in the Seychelles Islands, and he told in great detail of the island's life, its commerce, and its people. But, for me as a shortwave listener, there was one curious omission in his story...there was no mention at all of the FEBA short wave station there...none at all.

I wasn't really surprised. Several years ago, Del Hirst, a top DXer in Texas who has since left the hobby, told of an experience he had with National Geographic magazine. It seemed no matter how inclusive an article was about any country, it invariably failed to mention the presence of short wave radio outlets. This irked Del so much that he even wrote to the magazine, pointing out that no detailed description of a country could be complete without some attention to radio stations. A gracious answer to Del said that all magazine editors were given a copy of his letter. But, the magazine continued to do as they always had done. A recent Geographic article about Brunei could have been much more attractive with some description of the communications. We might all do some missionary work by pointing out such omissions to travelogue editors, etc.

## ANARC REPORT

## Part I

As a reminder, please assure that any mail for ANARC goes to the new address below:  
Al Reynolds, Executive Secretary, ANARC, P.O. Box 433, Peabody Stn, Nashville, TN 37203

New Chairman for Frequency Recommendation Committee will be Charles A. Wootten, U. S. Naval Communications Station, P.O. Box 507, FPO New York 09544. Charlie's listening post in the Mediterranean will be good for another year before returning home to the U.S. He will need cooperation from stateside DXers, as he will not be able to check out the usefulness of a recommended channel for North American listeners. Volunteers are requested to drop him a line indicating their equipments. Thanks to those of you who have already worked to help fill this spot.

TWO more clubs are applying for full membership to ANARC. Radio California USA with a membership of 63 in three years of operation publishes a monthly bulletin, covering mostly SWBC - dues being \$6.00 for offset and xeroxed bulletins. The club actively supports SCADS meetings (So. California Area DXers). Radio California USA may be contacted at 3858 226th St. - #200, Torrance, California 90505. // SML International of Canada with over 50 members publishes a mimeo bulletin monthly for \$3.50 first class and covers mostly SWBC. SMLI also suggests closer cooperation with HAP by volunteering 'Hours for HAP', a donation of a few cents to HAP for each hour the volunteer devotes to the hobby of DXing. SMLI features a monthly quiz to help its members gain knowledge. 4735 De Lorimier Avenue, Montreal, Quebec, Canada H2H-2B3.

Radio Nederland announces that they will have an Asian DX Report on each fourth Thursday of every month, edited by Gregg Calkin, NASWA member and former QSL Report editor. Gregg is currently stationed with the Canadian state department in Pakistan.

A new club for Long Wave DXers has been formed: information may be obtained from: John Clements, 11425 Albers Street, #5; North Hollywood, California 91601

Canadian International DX Radio Club (CIDX) offers a publication "Your Guide to Pennant Collection" by Harold T. Sellars. Cost: 40¢ postage for 1st Class (either U.S. or Canadian stamps). Airmail overseas - 5 IRCs, Surface - 3 IRCs.

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by Jerry Lineback

## BARLOW WADLEY

The Barlow-Wadley XCR-30 is an interesting attempt to build a non-traditional SW portable that really works. It is made in South Africa of all places. The receiver provides continuous coverage from 500 kHz to 30 MHz using the harmonics of a 1 MHz quartz xtal to control a VFO tuner. Tuning is accomplished as a composite of two dials; the MHz dial is calibrated from 0 to 30 MHz and it selects the 1000 kHz wide band which is in turn tuned by a second dial within 10 kHz visual accuracy. The receiver has an S-

meter, antenna trimmer, AF gain, and choice of AM or SSB with clarifier control. Other features are external antenna and ground sockets, earphone socket, and external power socket. All this is packed into a conventional sized, but heavy, nine pound portable. In use, tuning is easy. The dial can be read to within 5 kHz. Selectivity is 6 kHz on AM which is adequate, and 3 kHz on SSB. Drift is not detectable. Sensitivity with the whip antenna is good, but for good DX you will need an external antenna. I have compared the XCR with my SPR-4. The use of the outdoor antenna tends to overload the XCR-30, but a few feet of insulated wire thrown on the floor gives signal strengths nearly as good as the SPR-4 with an outdoor antenna. Unfortunately, there are some serious drawbacks. One look inside the cabinet will make you sick. If they had sent parts in a sack, I might have constructed a better circuit board. Blobs of solder on the circuit board and loose in the cabinet do not give you a good feeling. I understand many XCRs never worked well or gave up. The new series being sold by GILFER presumably has corrected the problems of the earlier models. Undoubtedly, there will be a residue of prejudice from a bad beginning. One problem I found includes the zero-set control on the kHz dial...poorly done and sensitive to touch. The SCR is also prone to show spurs like the SPR-4, and careful tuning is required to attenuate them. One may not want the XCR-30 as his primary receiver, but it makes a great portable, a second receiver for general coverage, or for use on DXpeditions. Cost is currently about \$255.00. We are given to understand that the XCR design is one which may show up in other receivers before long.

## ANARC REPORT

## Part II

Ten years ago, in February of 1964, the first document in the development of ANARC went out to DX club officers: "The time has come for the long discussed alliance of North American DX clubs to begin....The advantages of such a federation...seem obvious if the clubs get behind this effort and contribute their full cooperation." Signed by Don Jensen as acting Executive Secretary, and mentioning the contributions of many others.

ANARC has been a healthy factor in the growth of the DXing hobby. I fervently hope that we can continue to assist the clubs and their members to grow in understanding and in participation. With our ears tuned to the world, our understanding can grow not only as hobbyists, but also as informed citizens of a technological world. Looking at this aspect of the hobby, I would like to share with all DXers a quotation which has been of great value to me. It was written by Mahatma Gandhi on June 1, 1921:

"I do not want my house to be walled in on all sides and my windows to be stuffed. I want the cultures of all lands to be blown about my house as freely as possible. But, I refuse to be blown off my feet by any."

Al Reynolds, Executive Secretary  
Upon the 10th Anniversary of ANARC

A welcome is extended to new associate club Transworld DX Club, 606 Saint Andrews Road, West Vancouver, Brit. Columbia V7S 1V4. President John Chapman will serve as a non-voting ANARC representative for the club with 11 members. They are SWBC only, publish "DX World" monthly by mimeograph.

For the summer European traveler, news comes of a planned European DX Camp for 27 July through 18 August near Lake Millstätter in Austria. Planned, is a DX shack with twelve receiving posts and antenna outlets, with communications receivers of all kinds. About 40 DXers can be accommodated. This endeavor in conjunction with a large youth camp which is held annually. Information from: European DX Council Camp, 6 Frankfurt 90, Alexanderstrasse 122, Federal Republic of Germany.

The 8th European DX Council Conference will be held June 1-3 in Canterbury, Kent County, U.K. All visiting DXers welcome. Write European DX Council, D-6000 Frankfurt 93, POB 930132, Federal Republic of Germany.

North American Short Wave Association announces its first annual convention to be held in Columbus, Ohio July 19-21. This plan is made well in advance of the ANARC convention plans in order not to conflict in dates. The host of the NASWA Convention will be William Matthews, longtime member of NASWA and former editor of Short Wave Center. NASWA has many, many members in the region of Ohio, and a preliminary count of probable attendees already stands at more than 50. Mark the dates on your calendar and plan to be there. SEE YOU IN COLUMBUS - Ed Shaw, ANARC Reporter.

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## ALL-WAVE ANAGRAM - ANSWERS TO MARCH'S PUZZLE

Tsk, tsk - it really wasn't that bad, was it? The six words you should have deciphered - in order - were: CURITIBA (A city in Brazil with short wave); CRYSTAL; VOLTAGE; BETHANY (one of the VOA xmt'r sites); FERGUSON (our illustrious executive at HQ); and DIPOLE. From the circle letters of these words, you should have been able to come up with TRISTAN DA CUNIA.

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NASWA MEMBER TAKES TOP HONORS - Newport News

Virginia NASWA member, Cal McCall became intrigued with the WWV "A" Index announcements, and from discussions with fellow hobbyists. Monitoring WWV announcements and making comparisons with radio stations heard, Cal compiled a detailed and accurate scientific paper for his school's science fair. At the fair Cal set up his SX-190, presented his paper, and astounded his observers with broadcasts from various countries. Results? **FIRST PLACE** prize in Physics, and **OVERALL WINNER** of the Science Fair. **BIG CONGRATS, Cal!!!**



Some persons are still asking where did Windward Islands Broadcasting Service disappear to? Since independence from the British crown, the station has given IDs as "Radio Grenada". It's in the new WRTH under Central America & the Caribbean countries. See cut above.... pretty small place, huh? Yet, there is enough money there to buy all NASWA members several HRO's apiece.



# CLANDESTINE

# BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA, Tel. 215-545-7699

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## THE Middle East

### PEACE SHIP SILENT, BROKE !

After operating successfully for a half-year, Abie Nathan's pet project, the clandestine floating station, "Voice of Peace", fell silent last November.

According to both Israeli monitor Offer Barth of the IEA and Paul Montgomery of The New York Times (see insert, next page), the bankrupt and barnacled former pirate ship is docked, mute, at Marseilles, France, while Nathan once again tours the West to try and drum up funds for the peacemaking pop voice.

Others are pitching in, as well.

Dallas' Corky Webb tells us that two attractive young ladies, Carol Witter and Deborah Earling, have started a "Shalom Fund" for the benefit of Lone Star State sympathizers.

Just before it went off the air it reportedly made itself widely heard. According to radio station WQRK, Norfolk, Virginia, the station was active throughout the October war. Notwithstanding other reports suggesting the Israeli Navy had silenced the Voice of Peace at the outbreak of the hostilities, WQRK News went on to report:

"A voice on the radio must have startled some Arabs and Israelis. It said, "If you have a gun in your hand, don't pull the trigger. If you control a weapon, don't use it. The man you will kill will leave a sorrowing wife, mother and children."

Speaking in all the languages of the Middle East, the appeal was repeated over and over again during the October war. The source was the Voice of Peace, on Abie Nathan's Peace Ship floating off Tel Aviv when the recent war broke out.

Despite warnings from the Israeli Navy, the Peace Ship reacted to the war news by sailing to a spot in the thick of the fighting 30 miles from the Suez Canal and increased its broadcasts from 14 to 24 hours a day.

After the cease fire the ship sailed first to Beirut and then back to Tel Aviv as a peace gesture.

Abie Nathan, the Israeli pacifist who started the Peace Ship several months ago, has vowed to continue his floating radio station until lasting peace comes to the Middle East."

## NATHAN RECALLS PEACE-SHIP DAYS

**Calls Them 'Beautiful'—Asks  
More Funds to Continue**

By PAUL L. MONTGOMERY

Able Nathan sat in the commercial hotel off Times Square and smiled as he remembered the brief career of his Peace Ship in the Middle East last year.

"When I look back, it was a beautiful thing," said the ebullient advocate of love and moderation, talking of the floating radio station that broadcast to Arabs and Jews last summer and fall, and through the Yom Kippur war.

"Every night at sunset we had the classical hour," Mr. Nathan said, laughing softly at the thought of it. "We'd tell everybody to stop what they were doing and look at the sun and the sky and the sea. It's the greatest show on earth, and it's all free."

Friday nights there was rock



Associated Press  
Able Nathan

music for the young people on both sides of the conflict.

"We found out the Arab kids and the Jewish kids like the same music," Mr. Nathan said. "We got requests for the 'Moody Blues' from Cairo, and we got requests for the 'Moody Blues' from Tel Aviv."

### Seeking Funds Again

Mr. Nathan, one of the most quotable figures produced by 25 years of Arab-Israeli fighting, is back in the United States seeking contributions to keep the Peace Ship afloat and broadcasting. He spent nearly four years here painstakingly raising the \$300,000 to refit the 180-foot coastal freighter for broadcasting, and now fears he might have to give up his dream.

"It's incredible how little we need for what we can accomplish," he said. "For \$120,000, we can keep the ship running for a year. That's less than 1 per cent of the cost of one fighter plane."

Mr. Nathan is a 46-year-old Israeli who was a fighter pilot for the British in World War II, then had careers in Israel as a restaurateur and art dealer before turning to peace. He first won attention in 1968 by flying alone in an ancient biplane from Israel to Egypt to try to convince the leaders of the two countries to sit down and talk.

### Devoted to the Cause

Since then, he has devoted all of his time and much of his fortune to the cause. His view is that hard-liners on both sides of the conflict have been allowed to put forth their views on war and confrontation without permitting attempts at mutual understanding.

Broadcasting in Israel and in the Arab countries is controlled by the Governments, and Mr. Nathan regards the stations as nothing more than instruments for propaganda—what he calls "screaming and screaming." His white-painted radio ship is an attempt to provide a voice of moderation for both sides, encouraging dialogue instead of one-sided speeches.

It took Mr. Nathan four years to raise the money here and in Europe. Volunteers from peace groups helped, but often he found himself working alone in what seemed a hopeless cause. It took a hunger strike by him to attract attention and raise the last \$48,000 needed to send the ship on its way.

### Broadcast 3,000 Hours

The Peace Ship, with a volunteer crew, began broadcasting in the Mediterranean last May. Mr. Nathan estimates that its 50,000-watt transmitter can reach 30 million Arabs and Jews. The station was on the air for 3,000 hours before the money ran out last November.

The station pirated news from the international services and stations like the B.B.C. for re-broadcast with interspersed comments. During the war, Mr. Nathan said, he would try to lessen the tension by broadcasting funny items or news about Elizabeth Taylor or Princess Anne instead of concentrating on the fighting.

There was a lot of music. Once, the station broadcast 48 straight hours of the Beatles, followed by 24 hours of Israeli music and 24 hours of Arab music.

Mr. Nathan remembered one time when the Peace Ship was standing off Port Said during the mammoth tank battles in the Sinal Desert.

"Out there in the darkness you could see the flashes of the guns," he said, "and we were playing music and telling the people that the generals and the politicians were just finding excuses to use their war machines."

(The New  
York Times)

The full story of the start-up of the "Voice of Peace" is in the June, 1973, issue of FRENEX.

Thanks to contributors Steve Estes, Larry Reed, Offer Barth and Corky Webb for helping put together this story.

# OIL: IRAQI KURDS REBEL, TAKE TO AIRWAVES

The New York Times, in a dispatch from Beirut on March 14, reports that the on-again, off-again 13-year war between Kurdish nationalists, led by General Mustafa al-Berzani, and the Baghdad authorities had flared up again into serious fighting.

The General's party, the Kurdish Democratic Party, which claims to speak for Iraq's 1½-2 million Kurds, has once again taken to the airwaves via a clandestine radio transmitter to air its point of view and claims to military successes at Dahuk and Zakho, near the Turkish border. As the Party's daily newspaper in Baghdad, *Al-Taakhi*, had been shut down March 12, the clandestine radio, "Voice of Kurdistan", has become the principal source of news of the conflict.

Although a similar Kurdish nationalist revolt in Iran led to the establishment of the now-defunct "Mahabad Republic", a pro-Soviet socialist state, the revolt in Iraq is believed to be, for reasons of convenience, somewhat pro-Western. One source even suggests

General al-Berzani's movement is supported in part by the CIA.

Although no details of the present schedule are available, the station is no stranger to radio monitors.

According to information from Don Jensen and Bill Matthews, the station broadcast in the 1960's from a cave located somewhere in northern Iraq or in Iran. Low-powered, it broadcast on 11695 kHz, the same channel used by the Sofia-based pro-Communist clandestine beamed to Iran, "Radio Courier of Iran" ("Radyo-ye Payk-e Iran"). Unfortunately, while "Radio Courier of Iran" could be widely heard throughout the world, the little Kurdish operation was inaudible outside the Kurdish-held areas.

The rebellion is being watched closely throughout the West, as the Kurdish area of Iraq contains large reserves of oil, plus an operational network of pipelines and wells. Should these transfer from the pro-Soviet Baghdad administration to a Kurdish Republic friendly to the West and neighboring Iran, the balance of power among the oil producing countries would be more inclined to lean in a direction favorable to the United States.

"Clandestine Bulletin" will bring you more details of this station as they become available. For further information on the Mahabad Republic and "Radio Courier of Iran", please see the September, 1973, issue of FRENEX.



#### VOICE OF PALESTINE

The Sprinz schedule for the PLO's "Voice of Palestine" is, according to the BEC Monitoring Service, as follows (via RTV Algerienne only):

1830-1930 Daily in Arabic 533, 548, 980, 6145, 7195, 7245, 9610, 9665, 9685, 11715, 11810, 11965, 15160 kHz

## USSR HINTS RADIO MOSCOW "JAMMED" BY U.S. PIRATES !!

In what may be the most unusual complaint concerning pirate broadcasting yet, Radio Moscow, in its English-language service to Eastern North America, charged on February 22, 1974, that unusual interference had been encountered by it on its North American channels. The station alleged, "Unidentified shortwave transmitters in the United States are filling the air with nonsensical statements and obscenities. Such interference appeared accidental at first, but its regularity now suggests that there may be another interpretation of it. Could it be that some influential forces are behind those shortwave transmitters?"

Earlier in February Radio Moscow, in its new DX Program to North America, spoke of complaints from listeners of amateur interference in the 41 meter band and suggesting the Soviets shift their transmitters to a more suitable band. Radio Moscow publicly refused.

Confused? So were we, as despite our close monitoring of that band throughout the 2000-0530 period no such activity was ever encountered.

We checked with an official of the Amateur Radio Relay League in Connecticut, Mr. Bob White; he hadn't heard of any such broadcasts personally or from any of their tens of thousands of active members.

We checked with other short-wave monitoring sources. Again, negative.

Finally, we checked with an official source in an "influential" organization; he was genuinely surprised and indicated he had no knowledge of the alleged broadcasts.

Given all this, why would the Kremlin make such charges?

First, it's possible that overly-enthusiastic amateur radio operators have falsely reported to Moscow the presence of such interference. But the Soviets are in a position to check the veracity of these allegations before making them public.

The timing suggests a more likely reason.

Since the expulsion of Alexander Solzhenitsyn, Soviet propaganda, at home and abroad, has tended to point out circumstances in which the United States has supposedly been more anti-libertarian than the Soviet government, e.g. the Kent State shootings, the Black Panther raids, the Angela Davis affair, and the supposed post-WW II jailing of "thousands" of members of the Communist Party, U.S.A. This last charge was checked out by scholars, who found that two -- not "thousands" -- Party members had been jailed around that time.

All this reassures the Faithful that while Sovietism in the U.S.S.R. may have had its blemishes, they are no worse than those of the U.S. -- at least the U.S. as described by Moscow.

Similarly, although several hams are known to have preferred rag-chewing on Radio Moscow's 41 meter band channels, this practice pretty much disappeared by the 1960's, thanks to pressure from the major amateur radio organizations. By contrast, the Soviet

Union is known to have "several thousand" jamming transmitters on its soil. Despite attempts to disguise these as defective "Majak" transmissions, their actual aim is obvious ... and probably embarrassing.

We welcome more data on Radio Moscow's charges. They are serious and suggest a basic shift in American values from freedom of the airwaves to the silencing of foreign critics. But with the facts we can come up with it appears this is simply a phony "you, too" Cold War tactic.

## RADIO FREE SCOTLAND: 6248 kHz

Australia's whirlwind physics professor, John Campbell, has unearthed yet another station with the rubric, "Radio Free Scotland". Whether this one is related to earlier operations of the same name is not known.

Noted first on February 3, 1974, and again on March 1 and March 3, Radio Free Scotland broadcasts nationalist messages and (sometimes nonstop) bagpipe music. It called for the cessation of Scottish petroleum exports -- particularly offshore -- and also opposed any legislation which would implement the Kilbrandon Report, which recommends separate parliaments for Scotland and Wales. Commentary is described as not "too literate" and "rough".

Programming is brief and apparently irregular. In addition to the traced low-power shortwave outlet, the station announces a parallel channel somewhere in the FM-VHF band. The site has not been determined, but the alleged use of VHF suggests it is somewhere in Scotland proper.

Radio Free Scotland has signed off with "Scotland the Brave" and "Scots wha' hae".

Although it is a low-powered station, its choice of broadcasting times and channel make it a possible -- but hardly probable -- DX catch in North America. So far, it has been traced as follows:

-0010

2355-0020

0830-0915

All on measured 6248 kHz, plus announced FM-VHF parallel channel

## ANGOLA

According to reliable news reports, the Portuguese military position in its African colonies is shaky and getting worse. Entire large areas are totally lost to their control, while much of the remainder is threatened by African nationalist forces.

As a result, the Portuguese Army has recently been racked with dissent and even mutiny. Portugal's most powerful and popular Army commander has been forced to step down as a result of his publicly adopting a dovish stand.

Clandestine Bulletin has brought you the complete story on the Guinean and Mozambique revolutionary radio operations. Now we add to that Angola. The material from these operations, as well as that from official Portuguese operations, should help monitors better understand the situation in the Portuguese African colonies.

VOICE OF FIGHTING ANGOLA ("A Voz de Angola Combatente"): This is the program of the Moscow-oriented "Popular Liberation Movement of Angola" (MPLA). It broadcasts daily in French, Portuguese and Angolan vernaculars via the facilities of Radio Zambia and RTV Congolaise, the latter which began operation before 1967.

\*1808v-1832v Program "A" 1475, 3232, 4765, 6115, 9610v, 9715, 15190 kHz

\*\*1830-1930 Program "B" 4965, 9580 kHz \*via RTV Congolaise \*\*via R. Zambia

S/off: Officer shouting slogans, troops repeating back. S/on anthem is an orchestral march, while at s/off it is simply a choral anthem without instrumental accompaniment. Verification is by letter from "Le Membre Responsable": write in Portuguese or French with return postage to: O Departamento de Informação E Propaganda (Frente Norte), Movimento Popular de Libertação de Angola, B.P. 2353, Brazzaville, People's Republic of the Congo. Or try MPLA at Box 20793, Dar es Salaam, Tanzania. Further information may be available from the Liberation Support Movement, P.O. Box 15210, Seattle, WA 98115 USA.

VOICE OF FREE ANGOLA ("A Voz de Angola Livre"): Since 1967 this operation of the Angolan Provisional Government-in-Exile (GRAE) has broadcast via the facilities of the Voice of Zaire and Radio Lubumbashi. It signs on with an anthem, then drums, and signs off with a martial anthem. The current schedule is, in Portuguese, French, and Angolan vernaculars: 1800-1820 Mon & Fri 692, 836, 4880, 7115, 9770, 15245 kHz & 90.0 MHz VHF, all via the Voice of Zaire, plus 11865v kHz via R. Lubumbashi

These are all easy catches in North America. Best Bets: try 15190 kHz for Voice of Fighting Angola and either 11865v or 15245 kHz for Voice of Free Angola. Credits: Sam Barto, BBC MS (copyright), Bernard Chenal, and Don Jensen.

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SPANISH LANGUAGE RECEPTION REPORT FORM

by  
Victor C. Jaar, Haiti  
and  
Barry Wildblood (England)      Gregg A. Calkin (Canada)



INSTRUCTIONS

(1) This form is a Spanish language report form whose purpose is to facilitate the sending of reports to Spanish speaking radiostations in Latin America and Spanish territories throughout the world, who do not seem to readily reply to English reports. The form as it is sent to the station appears on page 3 (Translation on p.2).

(2) Before attempting to write the report, read the form and Directions (p.4) through thoroughly. Then proceed slowly and carefully copying the form.

(3) Remember that the accent marks over the letters are an integral part of the language and a gross grammatical error has been committed if they are omitted. They can be easily added with a sharp pencil after the letter has been typed. Do not leave them out as some words can have double meanings depending upon whether the accents are there or not.

(4) The postscript (N.B.) is added to the letter as a reminder to the station that you have written before, but that no reply has been forthcoming. Of course, if this is not a follow-up report, this does not apply and is not to be included.

(5) It may prove useful in certain instances to address your report to the Attention of one of the following station personnel:

- (a.) Ingeniero en Jefe (Chief Engineer)
- (b.) Gerente (Manager, common in Latin America)
- (c.) Director General (Director)

Reception Report

(Your address)  
the (1) of (1), 19\_\_.

Radio---(2)----  
-----  
-----

Dear Sirs:

Today I had the great pleasure of picking up your station on the frequency of (3) kilocycles, (4), in the (5) meter band. The following is a report describing the programs heard from (6) until (6), local time in (7), on the (8)th of (8), 19\_\_.

I hope you will excuse me for the errors which are due to the fact that I do not know Spanish well. I list some programme details which I heard from your broadcasts:

(Insert Programme Details here)

The general quality of reception was (9). Signal strength was (10). Readability: (11). Interference from other stations was (12), from Radio (13) on the frequency of (14) kc/s. Atmospheric interference was (15). Fading was (16), with a (17) fade. All the programming heard was in the (18) language.

My receiver is a (19) with (20) tubes, and my antenna is (21) meters long.

I would greatly appreciate receiving your "programme schedule", listing the frequencies and schedule of your transmissions. I am inclosing (22) to prepay the cost of return postage for your reply.

I hope that this report is of interest to you. I would very much appreciate receiving from you a verification of this report if you find it correct, stating that it was your station, Radio (23) that I heard.

I beg you to excuse me if I do not have much information about your transmissions, but this is because I do not fully understand spoken Spanish. In any case, I hope it will be possible for you to send me your verification; I thank you for a prompt reply.

Thanking you in advance, I close with the hope of receiving the verification of this reception report, and I am,

Yours sincerely,

(Signature)

P.S. It seems that my former report did not get to its destination, and for this reason, I am writing you again, in order to obtain your verification, which I would like so much to receive.

Informe de Recepción

(Your address)  
(1) de (1) de 19\_\_.

Emisora---(2)---  
-----  
-----

Estimados Señores:

Hoy tuve la inmensa satisfacción de sintonizar su emisora en la frecuencia de (3) kilociclos, onda (4), en la banda de (5) metros. Incluyo seguidamente un informe, describiendo los programas oídos desde las (6) hasta las (6), hora de (7), el día (6) de (6) de 19\_\_.

Espero me perdonen las faltas que se deben a que no conozco la lengua española muy bien. Seguidamente los detalles lo que he escuchado de sus transmisiones:

(Insert Programme Details here)

La recepción general fué (9). La fuerza de la señal fué (10). La inteligibilidad: (11). La interferencia de otras emisoras era (12), provenientes de Radio (13), operando en la frecuencia de (14) kc/s. La interferencia atmosférica fué (15). El desvanecimiento ("fading") fué (16) con repeticiones (17). Todos los programas escuchados fueron en idioma (1b).

Mi receptor es un (19) con (20) tubos, y mi antena tiene (21) metros de longitud.

Me alegraría enormemente que me envíen su "boletín de programas" o una lista de sus frecuencias y los horarios de sus emisiones. Les incluyo (22) para cubrir los gastos de franqueo de su respuesta.

Espero que este informe sea de interés para Uds. También les agradecería mucho que me manden una verificación de este reporte, si lo encuentran correcto, y diciéndome además si fué realmente su emisora Radio (23) que yo escuché.

Les ruego me perdonen si mis informes no son más detallados, pero la causa de ello es que no entiendo muy bien el español hablado. En todo caso, espero que les será posible enviarme su verificación; les agradezco su pronta contestación.

Anticipándoles las gracias, termino esperando ansiosamente su verificación de este informe de Recepción.

Muy atentamente,

(Signature)

N.B. Parece que mi reporte anterior no llegó a manos de Uds., y por ello, les vuelvo a escribir de nuevo, con el fin de obtener su verificación, que tanto me gustaría recibir.

DIRECTIONS:

- (1) Dates in Spanish are written in the following manner:  
(date) de (month) de 19\_\_.  
The first day of the month is always written as "1<sup>ro</sup>"; otherwise ordinary cardinal numerals are used: 2, 3, 4, etc. Examples:-  
Christmas, 1967 is therefore: 25 de diciembre de 1967  
New Years, 1967 is: 1<sup>ro</sup> de enero de 1967  
The months of the year are: (in order) Enero, Febrero, Marzo, Abril, Junio, Julio, Agosto, Setiembre, Octubre, Noviembre, Diciembre.
- (2) Name and full address of radio station to whom you are writing.
- (3) Frequency of the station heard expressed in kilocycles.
- (4) Depending upon the frequency of reception, insert "corta" for short-wave, or "media" for medium-wave/B.C.B.
- (5) Frequency of station heard expressed in meters. It is best to express overseas reports in both kilocycles and meters.
- (6) Time of reception. Example: "desde las 20.15 hasta las 20.48". See N° 7 below.
- (7) This refers to the location of the station, for expression in local time if so desired. Example: "desde las 20.15 hasta las 20.48, hora de Venezuela". If GMT is being used, omit the latter phrase replacing it with "hora del Meridiano de Greenwich".
- (8) Date of reception, expressed as stated in N° 1 above.
- (9) This is the overall rating of the reception. The various values are "muy buena" (very good); "buena" (good); "bastante buena" (fairly good); "mala" (poor).
- (10) This is the signal strength of the broadcast. The various signal strengths are: "muy fuerte" (very strong); "fuerte" (strong); "bastante fuerte" (moderately strong); "débil" (weak); "muy débil" (very weak).
- (11) This is the readability of the broadcast. The different values are as follows: "Totalmente ininteligible" (completely unreadable); "Algunas palabras se podían entender" (occasional words understood); "Se podían distinguir algunas palabras, pero con dificultad" (readable with difficulty); "Inteligible, pero con un poco de dificultad" (readable with only slight difficulty); "Perfectamente inteligible" (perfectly readable).
- (12) This is the interference from other stations. Various degrees of this are: "ninguna" (none); "ligera" (light); "moderada" (moderate); "considerable" (heavy); "extrema" (extreme). If "ninguna" is used, omit the remainder of the sentence (incl. N° 13 and 14).
- (13) Name of interfering station(s), if any.
- (14) Frequency of interfering station(s), expressed in kilocycles.
- (15) This is the ARN or atmospheric interference. Various degrees of this are the same as for QRM in N° 12 above.
- (16) This is the general fading summation. Degrees are "ligero" (slight); "moderado" (moderate); "extremo" (extreme); "ninguno" (none).

- (17) Again referring to either a "lentas" (slow) or "rápidas" (fast) fade. Choose the one appropriate.
- (18) Language of transmission monitored. Generally it will be Spanish. Choose the one appropriate: Spanish (español); English (inglés); Portuguese (portugués); Vernacular (nativo).
- (19) Make and model of your receiver. i.e. Heathkit GR-54 or whatever it is.
- (20) Number of tubes in your receiver.
- (21) Length of your antenna in meters. To calculate the length in meters, use the following formula:
- Length in meters =  $\frac{3}{10}$  x length in Feet
- For example, if your antenna is a 50' long-wire, then:  
Length in meters =  $\frac{3}{10}$  x 50 = 15 meters.
- (22) This refers to the return postage you are sending. If an IRC, insert "un Cupón Internacional de Respuesta", or if stamps, insert "sellos".
- (23) Name of station monitored.

PHRASE LIST

Commercial announcement	Anuncio comercial
Several commercial announcements were heard.	Fueron oídos varios anuncios comerciales.
Chimes	Juego de campanas
Gongs	Gongo
Sound effect	Efecto de sonidos
Interval Signal	Señal de intervalo
Male announcer	locutor
Female announcer	Locutora
I heard these words in the announcement:	Oí estas palabras en el anuncio:
A man seemed to mention:	El locutor pareció hacer mención de:
A man mentioned:	El locutor mencionó:
News	Noticias
Commentary	Comentarios
Editorial Commentary	Comentarios editoriales
Dramatic programme	Programa dramático
Names of performers were listed at the beginning (end) of the programme.	La lista de los actuantes fué leída al principio (al final) del programa.
Special announcement	Anuncio especial
Bulletin	Boletín
Sports event, seemed to be live from the stadium.	Acontecimiento deportivo, parecía ser transmitido desde el estadio.
Station Identification	Identificación de la estación
Talk by man	Hombre hablando
Local Newscast	Noticiero local
World News	Noticias mundiales
Speaker was identified as:	El orador fué identificado como:
Programme Review	Revista de programas
Tone	Tono
Singing commercial	Anuncio cantado
Closing credits	Clausura para..
Programme with studio audience	Programa con audiencia en el estudio

Special event broadcast	Transmisión de eventos especiales
Weather report and forecast	Reporte del estado del tiempo y pronóstico
Laughter	Carcajada
Comedy Programme	Programa de comedia
Variety Programme	Programa de variedades
Time Check	Dar la hora
Sign/off announcement	Anuncio de fin de la transmisión
Sign/on Announcement	Anuncio de apertura
Left the air	Dejó el aire
Carrier off	Onda portadora cerrada
Carrier on	Onda portadora presente
Political programme	programa político
Speech	Discurso
Religious programme	Programa religioso
Mass	Misa
Tape Recorded	Cinta grabada
Vocal selection by man (woman)(male chorus)(female chorus)(mixed chorus)(small group)	Selección vocal por un cantante (una cantante) (coro masculino)(coro femenino)(coro mixto)(un pequeño grupo)
Instrumental music (piano)(organ)(drum)(trumpet)(accordion)(violin)(strings)	Selección instrumental (piano)(órgano)(tambor)(trompeta)(acordeón)(violin)(instrumentos de cuerda)
Dance music	Música bailable
Ballad	Balada
Rock and Roll	Rock and Roll
Music by large (small) orchestra	Música por una gran (pequeña) orquesta
Concert music	Concierto musical
Operatic music	Música de ópera
Classical music	Música clásica
Popular music	Canto popular
The title of the selection heard was:	El título de la selección oída es:
Recorded music	Música en discos
Programme of music with no announcements.	Programa musical sin anuncios.
Selections heard were:	Las selecciones oídas fueron:
Singer (orchestra) was identified as:	El cantante (la orquesta) fué identificado(a) como:
Your signal was under/over other stations on the same frequency.	Su señal estaba debajo/encima de otra estación en el mismo canal.
Q-multiplier	Q-Multiplicador
Preamplifier	Preselector
Frequency Calibrator	Calibrador de frecuencia
Heterodyne Whistle	Silbido heterodino
I was glad to see your signals were stronger than last year/month/week.	Me alegré de notar que sus señales eran más fuertes que durante el año pasado/el mes pasado/la semana pasada.
I plan to listen regularly to your station and send reports from time to time.	Pienso escuchar su emisora regularmente y enviarles reportes de vez en cuando.
You can write me in Spanish.	Me pueden escribir en español.
I am studying Spanish at school.	Estoy estudiando español en la escuela.
It is the first time I have heard your station/country.	Es la primera vez que oigo su emisora/país.
I heard a commercial for (beer)(rum)(cigarettes)(movie)(store)(travel agency)	Oí un anuncio comercial para (cerveza)(ron)(cigarillos)(una película)(una tienda)(una agencia de viajes).
Transmission was interrupted	La transmisión fué interrumpida.

# LOG REPORT

NASWA LOG REPORT  
M. R. LEONHARDT  
P.O. BOX 1132  
RICEMOND, INDIANA 47374  
Deadline: 12th of month

When reporting, write on only one side of the paper, list items in order by frequency. It helps the editors greatly if you use the format used in LR. Please avoid non-standard abbreviations. Leave space between each item, so the editors will have some room to work. Identify each item by your last name (or initial & last name). Mail direct to the LR address, in time to reach Mac by the 12th of the month. Thank you - HDQ.

- 2340 PAPUA/N.G. R.W.New Britain 1215-1230\* Pid., mx, GSTQ (Abraham)  
2340 CHINA Foochow GC orch mx, 1321 ( JW Young)  
2340 PAPUA/N.G. R. Kimbe 0842 OM tx, nx ( JW Young)  
2376 PAPUA/N.G. R.Chimbu 0825, 1240, pops,Pid. tx (JWYoung, Henderson)  
2410 PAPUA/N.G. R.Goroka 1228 OM tx, anns (JWYoung)  
2428 PAPUA/N.G. R.New Ireland 0856 tx (JWYoung)  
2430 CHINA PLA 1430 march mx (Tyson)  
2446 REUNION ORTF St. Denis 0235 2/28 // 4807 app. nx (Shaw)  
2450 PAPUA/N.G. R.Mt.Hagen 1225-1230\* YL in Pid/EE, ann & off (Hend'sn)  
2468 PAPUA/N.G. R.N.Dist. 1227 c&w mx (Henderson)  
2475 CHINA Heng-chou (list) CC at 1148 (Sizer)  
2510 S.KOREA Taegu HS, KK tx 1109 (Sizer)  
2600 CHINA PLA Fukien CC mx 1113 (Sizer)  
2670 N.KOREA Sariwan Regl. 1030 KK tx // 2745 (ODDX)  
2750 N.KOREA Chongjin // 2850 KK at 1345, 2775 hrd w/2nd pgm and 3016 has JJ (Hill)  
2815 N.KOREA Pyong. KK HS 1100 (Sizer)  
2850 N.KOREA Pyong. KK & oriental mx 1030 (ODDX)  
3205 INDON. Bandung 1530-1600\* Indo. (Bowlsby)  
3215 VENEZ. Ondas Panamericas 1056 w/LA mx (Sizer)  
3232 CONGO 0524-0537 piano mx, native mx, OM tx in FF (Reeves)  
3240 IRAQ R.Baghdad 1443 AA chants (Henderson)  
3240 ECUADOR presume R.Turismo \*1030 SS, Indian lang (Sizer,Hauser)  
3245t BRAZIL R.Ed.de Alagoas 0151-0207 PP, vocals, OM tx (Barto)  
3255 INDIA AIR Delhi 1422-30 OM in Hindi (Henderson)  
3265 MOZAMBIQUE RCM 0412-0445\* "B" pgm, not // 11819, lite mx, EE/  
Afrikk. anns (Reeves)  
3277t KASHMIR 0100 2/28 OM & YL in lang, mx (ODDX) 1440-58 (JWYoung, Henderson)  
3280 ECUADOR LV del Napo 0100-0330\* SS, OM tx (many)  
3286 INDON. RRI-Madiun 1302 RRI nx (Henderson)  
3294 INDON. RRI-Samarinda 1209 relay Jak. mx, ID (Henderson)  
3294.5 ZAMBIA Lusaka 0355-0441 US rock, 1cl mx (Reeves,JWYoung)  
3298t BRAZIL UNID 0025 2/28 PP om, LA mx (ODDX)  
3300 BELIZE RB is back. hrd 0200-0400 US oldies, SS, rel. pgm (Miller, Schnabel)  
3305 PAPUA/N.G. R.Daru 0900 sgg mx (JWYoung)  
3315 INDIA AIR Bhopl 1415 Indian mx (Henderson)  
3336 SENEGAL Ziguinchor 0710 FF mx, ID (W.Smith)  
3339 ZANZIBAR RT 0300-0330 AA chants, nx (JWYoung,Linebck,Henderson)  
3345 HAITI 4VE Cap Haiten 1100 EE pgm (Sizer,Shaw)  
3345 PHILLIPINES FEBC Manila EE ID 1301 // 6030 ( ? )  
3345-6 UNID some EE then lang like FF, lots of mx, 1030-1130 (Zilmer) Perhaps 4VE up from 3340 Bob--ed.  
3346 ZAMBIA 0300-0430 EE, pop mx ( many)  
3360 PAPUA/N.G. R.Milne Bay c&w mx, US oldies, 0930(ODDX) 1212 (JWY)  
3375 BRAZIL R.Olinda 0255-0300 PP, ID (Schwartz)  
3425 NEPAL RN (\*0017-0135) (\*1150) (1600-1720\*) anns, ads,Nepali, oriental mx (Reeves,ODDX) (Sizer) (Lohe)  
3460 INDON. RRI-Pakanbaru 1431 pop mx, ID (Henderson)  
3520 GALAPAGOS LV de 2330, 0233 class mx, SS tx (ODDX,Schnabel)  
3607 JAPAN NHK relay 1255-1258 JJ tx, pops ( ? )  
3630 INDON. RRI-Banda Aceh 1200 relay Jak nx, c&w mx (Henderson)  
3667-8 TIMOR R.Dili 1010-1210 PP anns, c&w mx (Yamron,Henderson)  
3700 CHINA RP 1220-1250 lang ( ? )  
3883 CAPE VERDE ISLDS RC PP anns, EE pops, 2130 (Tyson)  
3918 S.KOREA 0915 OM KK tx (Henderson)  
3930 CAPE VERDE ISLDS R.Barlavento 2325-0000, 0830-5 PP tx, mx (Mayer,Hohnstein,ODDX,W.Smith)

- 3935 INDON. RRI-Semerang 1215 nat'l nx, c&w mx (Henderson)  
 3955nf S.AFRICA SABC 0430 Afrikk. (Lineback)  
 3995nf S.AFRICA SABC 0420 EE nx, move fr. 3997 or just wander/(Lineback)  
 4066 INDON. RRI-Merauke 1145-1200 US pops, Indo nx 1200 (Hend,Sizer)  
 4068 CHINA Huehot 1000-1200 CC mx (Henderson)  
 4110 CHINA Urumchi 1243 OM tx in CC (Henderson)  
 4120 CHINA RP 1335 CC class. mx (Henderson)  
 4130 CLAND. V.Rarification 1000 sounded like KK but OM like AA, abrupt off 1005, on 1040 (ODDX)  
 4130 CHINA RP 1100 OM in CC (ODDX)  
 4395 USSR Asiatic // 3995 at 1450 w/Mayak pgm, IS 1500, 6 pips, TC, 3995 better (?)  
 4441.5t ISRAEL Israeli Army R. 0250 2/28 OM tx, no mx, ment."Yaffa" svrl times (ODDX)  
 4525 E.GERMANY DIZ time sta. 2045-0034 time pips (Gavaras,Wootten)  
 4595nf N.KOREA Pyong. \*1400 FF to 1515 f/o (B.Davis) someone reported this as an UNID but no name on rpt-ed.  
 4620 CHINA RP \*1400-1455\* // 4882 (B.Davis)  
 4635 USSR Dushanbe 0005-0020 RR, m&w tx, mx (Tuchscherer) 1400-30 (B.Davis)  
 4660 CLAND. R.Pathet Lao 1135 w/YL in Lao, exc. sig. (Henderson)  
 4675 CLAND. VFUNK 1150-1200\* YL sgg in Cambodian (Henderson)  
 4698 INDON. RRI-Surabaya 1355-1400 lite orch mx, 1400 nx (Henderson, Bowlsby)  
 4719 INDON. RRI-Padung 1258-1410 tx, sft mx, //5040 at 1200 at least (Yamron,ODDX,Lineback,Nebron,Mayer,Miller)  
 4729 BOLIVIA R.Aboroa 0200-0403\* SS,mx, OM tx, ID,TC off w/Sousa march (Reeves,Sizer)  
 4740 MALDIVES Male 1502-1531 EE nx, hets mw harmonic (Tyson,JWYoung)  
 4749 ECUADOR R.El Mundo 0230-0400a Andean mx, tx, ads (Behr,Reeves)  
 4764 INDON. RRI-Medan Indo tx by OM, lite mx (Yamron)  
 4765 ECUADOR C.R.E. 1140, SS tx (Zilmer)  
 4766t BRAZIL R.Soc.Feiro do Santana 0000 PP YL host LA mx (ODDX) prob. your UNID Larry--ed.  
 4773 ECUADOR R.Cenit 0405-0425\* SS, ID (Lineback)  
 4775 ARGANISTAN Kabul \*1300-1330 flute mx, Urdu tx, lcl vocals (Hend'sn Lineback)  
 4775.5 COLOMBIA Emis. Kennedy 0300 SS mx, 0350 EE tx to 0357\* w/NA (Behr)  
 4779.2 UNID African 0725-0802\* stringed mx, OM tx, off w/ anth. (Earhart)  
 4780 ECUADOR R.Atahualpa 0345-0435\* SS,LA mx (Tuchscherer,Behr)  
 4788 TURKE & CAICOS 2136 EE nx, 2145 off (Miller) By the way, after receiving no verie from Turks, I sent a report to the home office of C & W in London and received a full data verie map folder in 5 mos. Cable & Wireless Mercury House, Theobalds RD, London WC1X 8RX G.B. Public Relations Dept---ed.  
 4788 UNID 1455, tx by OM & YL, operatic type solo, seems INDON. (Bowlsb)  
 4788.5 PERU R.Atlantida 0515-0554\* SS, mx, ID off w/NA (Behr)  
 4790 W.IRIAN RRI-Fak Fak ny best Indon of season 2/17 at 1130, fab. Indon. AM, w/Indo tx (Sizer)  
 4791v ECUADOR Emis. Atalaya 0515 SS, spts, ID and anns to 0615\* (Behr)  
 4804t KENYA Nairobi HS 0430, nearly sure thing, Swahili and EE OM, low lvl nat'l rhythms (ODDX)  
 4807 REUNION St.Denis 1755-1820\* FF oldies, DX calls in EE, GG, SS, s/off w/Marseillaise, sometimes off early as 1812 (Lohe)  
 4810nf S.AFRICA SABC 2317-0440 AN svc. ex-4790 (Lineback,Hauser,Behr)  
 4812 BURMA BBS Rangoon in late Geb. // 5039 fr. 0930-1600 xmsn w/EE fr. 1430, since 3/1 app. 4812 dropped, possibly because of 4815 jammer slop (?)  
 4814 CHINA RP 1235-55 lang. Asian opera mx, tx by YL (Perdue)  
 4815 ECUADOR R.Canal Manabita 0305-15 SS, LA mx, ID (Tuchscherer)  
 4815 UPPER VOLTA 2245 FF & EE pops, off 2300 w/YL anns (ODDX) 0630 tx Afr. mx, ID (Yamron)  
 4815 PERU R.Samaren 0315-0452\* SS, tx, mx (Mayer,Behr)  
 4820 GAMBIA RG 2256 EE to 2359\*, 0640-50 AA Koran chants (Mayer, Koziom kowsky,Yamron)  
 4820 ANGOLA sta. unid 2230-2300\* mx, YL ann (Field)  
 4820 INDIA AIR Calcutta 1405 OM sgg in Indian type mx, w/sitar (Hend.)  
 4825nf TANZANIA RT 0400 ID & Swahili nx (Behr) 1956 (Tyson)  
 4825 COLOMBIA R.Narino 0015 SS,LA mx, ID (Brown)  
 4825 PERU LV de la Selva 0530-0619\*, 1125, SS tx, lcl mx, ID (Behr,Zilmer)  
 4830 GABON Franceville relay 2110 nx, FF, Afr. mx (Sizer)  
 4839 BRAZIL R.Roraima 0245-0302\* PP, easy list. mx (Tuchscherer)  
 4839 PERU R.Andahuaylas 0330-0400\* abt. even w/Valera 4840 (Dexter)

- 4840 CHINA PLA 1100 YL CC tx (ODDX)  
 4840 INDON. RRI-Ambon 1340-1400\* mx (Atkins)  
 4843 CONGO Pt.Noire 0530-0600 Afr. mx, FF tx, not // 4765 (Behr)  
 4845 MALAYSIA RM 1220-1400\* lang., pop & lcl mx, ID's (Lineback, Perdue)  
 4855 BRAZIL R.dif.Taubate 0835-0900 rel. pgm, PP tx (Earhart)  
 4855 INDON. RRI-Palembang 1407 Jakarta nx (Henderson)  
 4860 UNID Ecuador/? 0605-0857 SS, aft. Maracaibo s/off & until their s, on, Equad. mx, maybe new sta. (Perdue)  
 4860.5 PERU R.Chinchaycocha 0433-0500 SS 2/14 only Andean & LA mx (Tuch!  
 4865 BRAZIL R.Cl do Para 0330-0400, SS, pops, spts, abrupt off (Mayer Earhart)  
 4870 ECUADOR R.Rio Amazonas \*1115a-1140 rel px, HC mx (Perdue)  
 4875 BOLIVIA Cruz del Sur 0955-1032 morn. rel svc in Quecha, Bol. mx (Schnabel, Perdue)  
 4879t ZAIRES Kinshasa 1945-56 FF tx, Afr. mx, QRM (Lohe)  
 4885 INDON. RRI-Bukittingi 1202 w/ mx fr. Jakarta, 1221 Bukk. ID (Hend  
 4887t BRAZIL R.Pionera de Teresina 0922-39 PP, LA mx, ads (Jones)  
 4892 N.VIET. VoV 1635 VV daily hrd 1600-1900 HS // 7102 (Bowlsby)  
 4895 USSR RM 0234 RR mx, also 1945-2000\* w/ US pops (Wootten)  
 4895 ANGOLA R.Cl do Bie 1950-2000 EE pops, PP anns (Tyson)

This month I left out certain LA stations that get reported every month, like R.Capital, R.dif.4890, Ecos del Torbe, etc. There is no use taking up mucho space for these every month, unless there is something new about the sta. A welcome to Al Sizer, you've been too long away from these pages Al. 73's Elliot R. Straus-60 Madison Ave.-Long Branch, N.J. 07740

- 4900 CREEBS RRI-Gorontalo 1330 W, pop mx, ID; all on tape (Henderson)  
 4900 VENEZUELA R Juventud 0030-0100, 0107, N:3, talks, IDs, LA mx, US pops (Perdue, Ross)  
 4903 SRI LANKA Colombo 1615-1640 lang talks, local string mx, F (Lohe-Ju)  
 4904v CHAD RDN Tchadienne 0530-0600 balafon IS, FF ID, N:F, N:A, 0550-0559 continuous IS, then M in FF (Patterson) 2130-2200 FF, Af mx, vernac talks, hst, F (Dean, Earhart)  
 4905 BRASIL R Relogio 2315 echo chamber, PP talk by M, ID, P (Mayer)  
 4905 FR CHINA RP 2255 CC, F (Abraham) 2200-2300 usual CC, G 3-26 (Heutte)  
 4905 COLOMBIA Ea Atlantico 0415-0430 SS, LA mx, IDs, ute (Miller, Reeves)  
 4908v KHMER REP Phnom Penh 1115-1500 oriental mx, bad ute, W anor (Henderson, ODDX)  
 4908 CANADA ROI \*0330 IS & RR pgm to 0400\*, \*0730 FF, GE on USB (Behr, Heutte, Perdue)  
 4910 VENEZUELA R Carora 0045-0100 SS, LA mx, ID, strong QRM (Tuchscherer)  
 4913v MANCHURIA Harbin 1155-1200 MHW in CC talks, FG (Gavarrs, ODDX)  
 4915 BRASIL Rdif de Macapa 1003 PP IDs, ads, LA mx, F (Perdue)  
 4915 COLOMBIA R Guatapuri 0435 SS ID, LA mx, F (Ross)  
 4915 GHANA RG \*0530-0700 vernac-HE, talks, mx, IDs, GE (Hermann, Kosicowski, Perdue, W.Smith) 2130-2200 vernac talks, mx, ID, FG (Keating, Schwartz)  
 4915 KENYA VOI 0300-0445 Swahili annts, mx, PP (Lineback, Perdue, Tuchscherer)  
 4920 HONDURAS R Progreso 0050 pantalones ad, pgm Forjando un Pueblo, ID, F (Whitehead)  
 4920 INDIA AIR-Madras 1403 Hindi talk, 1530 N:2, FG (Henderson)  
 4920 USSR RM 2158 ID by W in RR, pop mx (Keating)  
 4923 ECUADOR R Quito 0045-0500 SS talks, ads, ID as LV de la Capital, FG (Ross, Whitehead)  
 4924 MCGANEIQUE Lourenço Marques 1525 PP ads, pop mx, F with QRM (Henderson) 2245 EE, pop mx (Sizer) Seems to have moved up a bit in frequency. FH  
 4926 EQUATORIAL GUINEA R Bata 2134 hi-life mx, SS ID, 2144\*, F (Miller)  
 4927 SUMATRA RRI-Jambi 1500 nx, C&W mx, nice (Henderson)  
 4930 DOMINICAN REP R Mil 0911 SS, lively LA mx, talk, ID, E (Perdue)  
 4930 VENEZUELA LV de la Fe 0000-0405v\*, 1030-1100, ex-3375, SS mx, talks, nx, IDs, GE with varying QRM from R Mil (Behr, Heutte, Perdue, Sizer, Whitehead)  
 4932 JAVA RRI-Surakarta 1000-1530 II talks, nx at 1200 & 1400, US pops, local mx, nice signal most days (Henderson, Miller, ODDX, Tuchscherer)  
 4932 NIGERIA MBC-Benin City 2135-2200\* local mx, vernac talk (Zamron) Unusual time for  
 4937 ANGOLA R Clubs do Lobito \*205-2300\* FF ID, EE songs, annts (Tyson-00) s/off. FH  
 4938 ECUADOR R Mac 0130 N:2, G (Miller)  
 4940 IVORI COAST RTVI-Abidjan 0635, 1130-0004\* FF talks, old jazz records, local mx, nx, NA at close, GE (Miller, Schwartz, W. Smith, Tuchscherer)  
 4940 VENEZUELA R Yaraouy 0100-0403\* SS IDs, meringues, pops, state and NA at close down, G (Perdue, Patterson)  
 4945 BRASIL Unid at \*0900 with musical pgm; QRM; fits R Educadora de Braganca sked (Field  
 4945 COLOMBIA R Colosal 043-0530 SS, mx, IDs, TG, GE (Hermann, Kosicowski, Patterson)  
 4945 Unid INDONESIA 0015, possibly Bandung reactivated, N:1, noisy, uncopied ID (Tyson-GG  
 4950 SARAWAK RMS-Kuching 1430-1435 N:2, usually FG (B. Davis)  
 4955 COLOMBIA R Mac 0435-0445\* opera, NA, G (Ross) 0900 bank ad, ID, FG (Agner)  
 4955 SUMATRA RRI-Banda Aceh 1430-1545 chanting, G (Henderson, Young) t 1120-1135, talks in lang by W (Estes)  
 4960 ECUADOR R Federacion 0030 SS, LA mx, talk, ID, G (Perdue) OOPS-Out Of Position,  
 4960 VENEZUELA R Sucre 0400\* SS talks, IDs, NA, splash; FF (Day, Ross) Sorry. FH  
 4950 VENEZUELA R Coro 22000300v\*, 1115-1230 reactivated, usual LA style, IDs, mx, nx, announced MW only, distorted and irregular, GE (Heutte, Reeves) OOPS!

- 4965 COLOMBIA R Santa Fe 0115-0730 LA mx, SS abmts, TCs, IDs, GS (Chadwick, Kozionkowski, Patterson, Ricchezza) Ch, for a return to the initial system! FH
- 4968 SRI LANKA Colombo 1545 N:E, G (Young)
- 4970 SIBAH RMS-Kota Kinabalu 1400 N:E, Malaysian pops, past 1600, utes (B. Davis, Young)
- 4970 VENEZUELA R Rumbos 0430-0045 SS, pops, songs, singing, ads, ID by M, F (Barhart)
- 4975 PERU R Del Pacifico 0415-0430\* SS mx, G (Corson)
- 4976 UGANDA RU-Kampala 0415 drums, M on Red Net, low level (ODDX) Nicel FH
- 4980 VENEZUELA Boos del Torbas 0100-0330 SS talk, mx, IDs, G (Brown, Nebron, Ricchezza)
- 4985 MALAYSIA RM 2345-0100 ES-lang, EE language lesson, 0000 nx, ads, F (Lohe-Eu)
- 4990 PR CHINA Changsha (1st) 1355 on 3-7 with EE lessons, 4975-Foochow seemingly dual, but not sure because of bad RTT; not dual after 1400 (Hill) WLARR/6 DE WA3QIA QSL
- 4990 NIGERIA HEC-Shogunle 2145-2305\* EE, mx, nx, FG (Mayer, Schwartz)
- 4990 VENEZUELA R Barquisimeto 2330-0330 SS, LA pops, US rocknroll, ads, amts, local quality (Agner, Brown, Hermann, Jones, Perdue, Kozionkowski)
- 4993 BRAZIL R Brasil Central 0555 SS (huh? FH) ID, mx, G (Kozionkowski)
- 4995 PERU R Andina 0530, 1040, SS amts, Andean mx, PP, WWV slop (Day, Zilmer)
- 5000 NEPAL Kathmandu 1450 N:E (Tyson-Oo)
- 5005 PR CHINA RP 1455 CC mx, some flutter, G (Henderson)
- 5005 PERU R Jaen 03006330 SS, mx, tdk, P (Heutte, Lineback) t 1249 LA vocals, G (ODDX)
- 5010 CAMEROUN R Garoua 0445 lang ID, touch copy, P (Eichenhorn)
- 5010 PERU R Eco 0130-0503\*, 0930-1130, Andean mx, IDs, singing ads, chimes, EST TCs, QRM at times, generally good (Behr, Estes, Hauser, Patterson, Perdue, Whitehead, Zilmer) Hey, what happened to R Cristal! FH
- 5010 SINGAPORE RS 1200 CG, 1330-1630\* EE, dual 630 5052 11940 92400 (B. Davis, Mayer) t 1150 M ancrr, old pops, possible CC amts (Yamron) Almost left you out, Larry! FH
- 5015 ANGOLA R Clube do Mosamedes 2206 PP talks under bad hat (Tyson-Oo)
- 5015 BRASIL Rdif Pocos de Caldas 0230 futbol highlights, good LA night 2-25 (Sizer)
- 5015 GRENADA RG 2330-0000 EE nx, cmtry, messages, ID, F (Overcamp, Schnabel)
- 5016 RHODESIA Salisbury 0500 N:E, pops, amts, low level (Heutte) t mx 1536, F (Young)
- 5017v ECUADOR R Centinela del Sur 0100-0400\* SS, EE vocals, LA and Andean mx, FVG (Patterson, Perdue, Whitehead, Zilmer)
- 5018 Unid LA 0220 LA mx, QRM, F (Estes) Probably Centinela del Sur. FH
- 5020 NIGER ORTN-Niamey 2300\* on Saturday, Af mx, FF M, G (ODDX)
- 5025 PERU R Quillabamba 0000-0300 SS, talks, Hawaiian mx, play, LA pops, G (Lineback, Perdue) 1000-1115 Indian mx, M ancrr, IDs, US (Abraham, Patterson)
- 5026 UGANDA RU-Kampala 0415 Blues Net, drums, N:E, best heard (ODDX) 2055-2108\* lowsl mx, ID, nx in vernac, prayer, NA at close, F (Lohe-Eu) 1930 N:E, sports (Wooten-Af)
- 5030 SARAWAK RM 1315-1335 fade, local mx, M&W in lang 1330 (Tuchscherer)
- 5030 VENEZUELA R Continents 0300-0430 SS, mx, LA pops, FP (J. Davis, Guarducci, Patterson)
- 5035 ANGOLA R Clube Cabinda \*0500-0515 PP, W ancrr, mx, FP (Lineback)
- 5035 BRASIL R Anhanguera 0943 PP talks, IDs (Shookley)
- 5035 COLOMBIA LV de Caqueta 0315 mx, tangos, ads, ID, TC, F (Day)
- 5035 Unid, perhaps Pakistan or Alma Ata at \*1230-1245 in lang, IS, M with talk, mx which sounds like India-Pakistan, VP (Perdue)
- 5038 CENTRAL AFRICAN REPUBLIC Bangui 0640 FF, rock mx, G (W. Smith) 2205 Af mx, FF (Miller)
- 5040v BURMA BES-Rangoon 1115-1600\* BB, talks, mx, 1430 EE nx, mx pgm, Asian mx, peaks BCNA around 1200, FE (B. Davis, Lohe-Eu) Nebron, ODDX, Perdue, Tuchscherer, Yamron)
- 5041v PERU R Libertad de Junin 0500-0735\* (runs late on Sunday) endless Andean mx, IDs, SS and vernacs, one ID for R Reloj (Day, Dexter, Field, Lineback, Perdue)
- 5047 TOGO Lome 2115-2230 FF, highlight mx, talks, GE (Schnabel, Schwartz, W. Smith)
- 5050 PERU R Loreto 0330-0345 SS, jazz, ID, G (Mayer) 1130-1145 LA mx, clear ID (Perdue)
- 5050 TANZANIA RT-Dar es Salaam 1533, Swahili lang pgm (Young)
- 5050 VENEZUELA R Mundial 0110-0300 SS, LA mx, talks, IDs, F (Broads, Perdue)
- 5052 SINGAPORE RS 1450-1530 folk mx, N:E, 2305-2330 light mx, N:E, ads, F (Lohe-Eu)
- 5052 Unid 0605-0651\* LA mx, few talks, heavy Londonderry CW QRM (Perdue) No, Neal, I was on 2140 at the time chewing the fat with some of the locals. FH
- 5054 CELEBES RRI-Ujungpadang 0945-1215 II talks, mx, chimes (Gavaras, Hohnstein, Yamron)
- 5055 BRASIL R Vitoria 2300 PP ID, typical Brazilian mx, M ancrr, G (Mayer) Touche, Bob. FH
- 5057 Unid in CC 1349, probably Urunchi, W ancrr, mx, G (Henderson)
- 5062 ECUADOR R Progreso 0310-0322\* SS, amts at close (Barto)
- 5065 KARELO-FINNISH SSR Petrosavodsk 0515 organ IS, Govorit Petrosavodsk dual 4780 (Behr) 0307 RR #alk, short song, 111 (Gavaras)
- 5075 ANGOLA R Clube do Moxico 2200 PP mx relay (Tyson-Oo) If that uts would go off.....
- 5075 COLOMBIA R Sutatensa 0310, 0950 SS, mx, talks, IDs, FG (Eichenhorn, Nebron)
- 5110t CLANDESTINE V of Burmese People 1231 talks by M, maybe in BB (ODDX)
- 5145 CHINA RP 1300-1310 CC talk by W, P (Lineback)
- 5290 ASIATIC RSPFRS-Krasnoyarsk 1430-1500 some mornings, RR Home Svc, fluttry (B. Davis)
- 5560 JAVA REDK-Surabaya daily 1015 M in Indonesian, C&W mx, FG, better than 4698 (Henderson)
- 5804 YEMEN Sanaa 0315-0400 AA, mx, omats, ID, FG (Corson, Schwartz) son)
- 5879 ER CHINA RP 1220-1230 CC talk by M&W, light mx, new time (Tuchscherer)
- 5930 CZECHOSLOVAKIA R Prague \*0300 EE talk, nx, QRM, VG (Brown)
- 5935t PR CHINA RP 1305 CC type lang, two M ancrrs, FP (Barhart)
- 5938 INDONESIA Unid RRI stn noted some days, Love Ambon at 1600\* (Hill)
- 5940 USSR RM 0117 EE talk, VG (Brown)

- 5945 BYELORUSSIAN SSR Minsk 2130-2200\* with local HS in Byelorussian dual 7420 (Sizer)
- 5950 MANCHURIA Harbin 1330-1430 CC, G (B.Davis) t 0900 pipe, possible ID, lang (Day)
- 5951 COLOMBIA R Super 0530 SS mx, ID, F (Guarducci)
- 5955 GUATEMALA TUNA 0130, 0530 EE, IDs, rel and musical pgms, GE (Day, Jones)
- 5965 BRASIL R Guiba 0940 PP talk, mx, G (Zilmer)
- 5965 BELIVIA R Mac de Humani 0957 Full ID under Brasil (Sizer) Very nice, Al. FH
- 5970 PERU R El Sol 0505, 1130, SS talks, local mx, F (Guarducci, Zilmer)
- 5980 EL SALVADOR R Mac 0300, 1210, classical and LA mx, IDs, FG (Day, Ross)
- 5980 GUYANA R Demarara 0930 EE, Hindi mx (Sizer)
- 5980 SWITZERLAND SBC 0145 EE mx, G; 0425 P, YSS-RFE GRM (Hauser, Overcamp)
- 5985 ARGENTINA R Splendid 0915-0930 SS MAW ancts, mx, G (Sizer, Zilmer)
- 5985 USA WYFR 0117 SS rel pgm VG (Jones) Yamron
- 5987 CELEBES RRI-Menado 1150-1400 II mx, nx, talks, many IDs, FP (Corson, Mayer, Perdus,
- 5990 JAPAN NHK 1500-1515 N:E in OCS, VG (Nebron)
- 5990 ROMANIA RB 0130-0150 N:E, mx, FP (Guarducci, Overcamp)
- 5995 MALI Bamako 0730, 2345-2358, Islamic chants, strange LA mx, FF DJ, Vatican GRM at 2358 (Broads, Burlaw)
- 5995 VATICAN CITY VR \*0100 EE, \*0115 FF, rel talks and mx (Brown, Higham, Jones, Overcamp, Whitehead)
- 6000 BRASIL R Inconfidencia 2200-0300 PP talks, mx, ads, nx, FVG (Burlaw, Earhart, Whitehead, Wooten-Af)
- 6000 SWEDEN RS \*0000 Swedish, \*0030 EE, ex-6095, Brasil all over (Wilson, Zilmer)
- 6005 CANADA CFCX 1530-1545 farmer's pgm, N:E, ID, F (Fino)
- 6005 W GERMANY RIAS-Munich 1330 GG mx, talks, nx, ID, G (Wooten-Morocco)
- 6010 ITALY RAI \*0100 N:E by W, VG (Brown)
- 6020 UKRAINIAN SSR R Kiev 1400 mx, 1415 Ukr ID, talk dual 4940, both F (Behr) Hi, Nital FH
- 6020 VENEZUELA R Ansoategui-1023-1100 SS, NA, mx, IDs, R Continente nx relay, G (Abraham, Shockley) t \*0958 SS mx, talks, ads, G (Zilmer)
- 6025 BRASIL Rm Piratininga 0915 PP, local pgm with clapping, G (Zilmer)
- 6025 NIGERIA NBC-Brugu 0630 pop mx, TC, IDs (Broads)
- 6025 PORTUGAL \*0345 EE ID by M, F (Eichenhorn)
- 6025 UZBEK SSR R Tashkent 1225 EE talks by W, mx, IS, ID, F (Miller)
- 6030 COLOMBIA R Sutatenza 2305-2335 SS nx, mx, TC, ID, GRM (Tuchscherer)
- 6030 PIRATE R King Kong 2130 pops, request program, G (Yamron)
- 6035 BRASIL R Globo 0925 PP, pop mx, G (Zilmer)
- 6035 SWEDEN RS 0615 Swedish, ID, nx, F (Schwartz)
- 6035 ASIATIC RSPSR Vladivostok 1150 pop mx, six pipe, Govorit Moskva, dual 6080 (Jones)
- 6040 COLOMBIA LV del Tolima 0455-0500\*, mx, F (Guarducci) 1090 N:S, LA mx, ads (Jones)
- 6040 W GERMANY DW 0215 W in EE, sports pgm (Eichenhorn)
- 6045 CANADA RCI 0356\* SS, new frequency (Hauser)
- 6045 JVA RRI-Jakarta 0000 N:I (Tyson-Oc)
- 6045 PERU R Santa Rosa 0330-0400, 1130, SS, mx, ID, rel pgm, F (Day, Nebron, Zilmer)
- 6045 SWEDEN RS 0400 weak after RCI off on 6045 (Hauser)
- 6045 URUGUAY Rdf del Uruguay \*0930 N:S, ID, bank ads (Sizer) Nice oatch, Al. FH
- 6050 ECUADOR HCJB 0200 N:S, rel pgm, mx, G (Brown)
- 6050 MCOBAMBIQUE RCM 0445-0500 EE pops, ads, FP (Lineback) Kosziomkowski
- 6055 BELGIUM Brussels 2310, 0040-0058, EE to ECMA, press review, nx, ID (Earhart,
- 6055 BRASIL R Panamericana 0950 PP talk (Sizer)
- 6060 SICILY RAI-Caltanissetta 2345-0005 Noturno pgm, N:I, N:E, F (Schwartz)
- 6065 COLOMBIA R Super 0510-0530 fade, SS mx, IDs, Hora Super TCs, F (Hermann) Overcamp
- 6065 SPAIN RNE \*0100-0115, 0245\*, EE to ECMA, folk mx, nx, cntry, G (Atkins, Brown,
- 6070 CANADA CFCX 0430, 1400-1900 relay CFRB, EE pgms, FG (Brown, Fino, Hardester)
- 6070 JVA RRI-Jayapura 0905 M with N:I, G (Bowlby) Whitehead
- 6070 VENEZUELA R San Sebastian 0100, 1030-1045 SS, sports, mx, ID, ads, GE (Brpms)
- 6075 COLOMBIA R Sutatenza 0130 SS; mx, sports, IDs (Earhart)
- 6075 W GERMANY DW \*7205 GG ID, then PP pgm, nx, mx, G (Brown)
- 6075 USA WYFR 0045 rel pgm, SS-EE IDs, E (Brown)
- 6080 SAUDI ARABIA BSFSA 2210 AA talk dual 7110 7195, G (Estas)
- 6080 ASIATIC RSPSR Khabarovsk 1215-1225 RR Home Svc dual 6035, F (Jones)
- 6085 COLOMBIA Ondas del Darien 1015-1230 SS, ID, slow mx, TCs, F (Jones, Miller)
- 6085 CANADA RCI 0100-0115 N:E, commentary, E (Atkins, Overcamp)
- 6085 CANADA DW via Sackville \*0200 GG nx, VG (J.Davis)
- 6090 AUSTRALIA VLI6 1001-1015 N:E, wx report for NSW (Jones)
- 6090 LUXEMBOURG RLI 0000-0145, 0730-0845 ES-GG, pop mx, ads, IDs, FG (Atkins, Earhart, Kosziomkowski, Schwartz, Tyson-Oc)
- 6095 BRASIL R Tupi 2330 PP mx, talks, G (Zilmer)
- 6095 COLOMBIA LV del Centro 1015 SS, LA mx, F (Jones)
- 6100 NIGERIA NBC-Maidugari 0445 AA, Koran chants, E (ODDI)
- 6100 YUGOSLAVIA RB 2000-2026, 2200-2215 EE, ID, nx, mx, FG (Burlaw, Schwartz)
- 6105v MEXICO XEQM 0100-0500\*, 1215, rock mx, ads, IDs, G (Lineback, Sizer, Zilmer)
- 6110 CANADA via ENGLAND BBC-Daventry relaying RCI 0605, FF dual 6140 7210 (Wooten-Af)
- 6110 ENGLAND BBC 0250 EE talk, mx, FP (T.Smith) Whitehead
- 6115 COLOMBIA A LV del Llano 0000-0600, 1130, SS songs, Super IDs, poor mod (Day, Jones,
- 6119 VENEZUELA R Angestura 1000-1100 SS, ID, mx, talks, G (Behr, Zilmer)
- 6120 SWITZERLAND SBC 0145 IS, EE amt, frequency, F (Jones)

- 6125 HONDURAS R Suyapa 1256 SS, LA mx, F (Miller)  
 6130 CANADA CHNI 0833 EE, pop mx, Halifax wx, CHNS ID, bad fade (Jones)  
 6130 ECUADOR HCJB 0930 ex-6080, DY Party Line, G (Zilmer) Zilmer)  
 6135 BRASIL RTV Quaocha 0400-0410, 0850-0859, 0955 PP talks, mx, IDs, (Jones, Tuchscherer,  
 6135 CHILE LV de las Fuerzas Armadas 1040-1155 SS nx, IDs (Sizer, Zilmer)  
 6140 AUSTRALIA VJW6 1018 EE commentary on oil shortage, F (Jones)  
 6140 BURUNDI LV de Revolution \*0330-0400 IS, FF ID, M, mx, PF (Corson, ODDX)  
 6150 AUSTRALIA Melbourne 1335 EE, mx, races, VOA QRM from 6145, P (Lineback)  
 6150 COLOMBIA LV de Huila 0530-1030 SS, mx, ads, IDs, G (Broads, Estes, Guarducci, Jones, Zilmer)  
 6153 PORTUGAL R Renascença 0445 classical piano, PP mx, M anc (Shaw)  
 6155 BRASIL R Cultura da Bahia, new frequency 0000-0150, 0855, PP, mx, IDs, ads, FG (Behr, Mayer, Whitehead, Zilmer)  
 6155 SWAZILAND Swazi Music R \*0356 IS, 0400 EE pop mx, ads, PF (Behr, Henderson, Mayer)  
 6159 VENEZUELA R Canaima 1000-1100 SS, ads, ID, talks, G (Behr, Zilmer)  
 6169 NETHERLANDS ANTILLES RNB 2130 DD rel pgs, mx, G (Brown)  
 6165 SWITZERLAND SBC 0615 EE to Australia and Asia, dual 3985 (Keating)  
 6170 COLOMBIA LV del la Selva 0000-1130 SS, usual pgs, mx, IDs, ads, IDs mention MW & FM, location not determined y/t (Abraham, Dexter, Field, Heutte, Jones, Mayer, Zilmer)  
 6170 FRENCH GUIANA ORTF-Cayenne 0150-0159\*, \*0900 FF, severe het, mx (Jones, Tuchscherer)  
 6170 MOROCCO RTM 2245-0000 AA, chants, talks, Moscow QRM, F (Dean, Tyson-Oc)  
 6170 VENEZUELA R Mac 1000 SS talks, mx, Colombia QRM, F (Zilmer) (Nebrcon)  
 6175 CANADA BEC via Sackville 0010-0030\* N:E, R Newareel, dual 9740, want reports  
 6175 COSTA RICA Faro del Caribe 0405-0430, 1215, EE rel pgs, SS, IDs, talks (Jones, Lineback)  
 6175 MALAYSIA RM-Kuala Lumpur 0000-0015\* Malay songs, II amts (Tyson-Oc) Lineback)  
 6180 ENGLAND BEC 2340-0000 Victor Sylvester, orchestra, G (Jones)  
 6180 GUATEMALA LV de Guatemala 0230-0315 classical, marimba mx, election returns one nite, dual 1135, G (Day, Hauser)  
 6180 VENEZUELA R Turismo 1105-1115 SS, LA mx, nx, ads, VOA splash, F (Jones)  
 6185 BRASIL R Bandeirantes 0945 PP, talks, mx, G (Zilmer)  
 6185 PORTUGAL EN-Lisbon 2200 PP amts, pop mx, unknown NA, on USB (Behr) Lisbon has been testing SSB here for about a year. FH  
 6190 SUMATRA RRI-Padang 0600 Jakarta nx relay (Tyson-Oc)  
 6190 MOROCCO RTM 0805 AA talks, G (W.Smith)  
 6190 USA VOA-Greenville 0315-0330 SS, ID, IS, nx, amts, VG (Fino)  
 6190 VATICAN CITY VR 1951 long FF talks by M, F (Miller)  
 6195 BRASIL Em Continental 0450-0630, PP sports, CBC QRM; never this late before (Field)  
 6195 CHILE LV de Chile 0440 SS talk, 1015 FF, 1030 EE, 1045 SS, 1100 AA, F (Mayer, Behr)  
 0900-1100 AA, SS, EE, FF, nx, cmtry, GE (Perdue, Sizer, Zilmer)  
 6195 MALAYSIA BBC-Tebrau \*1700 EE WS to 1830\*, FG (B.Davis)  
 6200 ALBANIA RT 0135 N:E, E (Atkins)

Welcome again to all the old hands and to the new fellas, too. Thanks for your support of the Log Report. Your editor was in South Carolina over spring break, and this is a last minute job, so please excuse numerous typos etc. I've returned to the fold this month, so to speak. No more hairy schemes to save space. Hopefully everything will be back in gear next month, but by then the bands are going to be pretty cruddy. Oh well, you can't win. A special welcome back to Ed Ricchezza, and newcomer-old hand Bob Hill. 73 until May. Fred Heutte, Jr. 1600 Newton Street, N.E. Washington, D.C. 20018 at n

- 6205 UNID; 0110-0210 Musical px, talking by OM occasionally, 5 or 6 musical pips at 0200. Muffled, especially the talking (Field)  
 6210 INT'L WATERS RNI; 0800 DD DJ w/ rock mx. (Smith)  
 6220 DOMINICAN REP La Voz de la Libertad, Puerto Plata; 0135 musical px drowned out by noise. Not to be confused with R.Libertad 3215, Santiago. (Field)  
 6220 ALBANIA R. Tirana; 0335 EE nx, talk (T.Smith)  
 6240 CLANDESTINE R.Libertad; 2230-2300\* (also 2310\* noted) PP talks, Afr mx, NA at s/off. Exceptionally good for 2.4 kw (Field, Corson, W.Smith)  
 6335t N.VIETNAM Tay Bac; 1110-1208 Lo YL in lingo (ODDX)  
 6500 CHINA Sinking; 1130 Weak BS talks under mud (ODDX)  
 6550 CHINA R.Peking; CC talk at 1127 (Sizer)  
 6576 N.KOREA R.Pyongyang; 1150\* in JJ (Sizer)  
 6590 CHINA R.Peking; \*1154 in CC (Sizer)  
 6600 N.KOREA R.Pyongyang; 2200 HS in Korean (Sizer)  
 6620 CHINA Heng-chou(List); 2345 CC service (Sizer)  
 6665t UNID. Possibly China, RP; 1124 Folk nk. No //freqs noted (ODDX)  
 6725a ESPIONAGE Numbers Station; 0614-0633\* again 0649-0701\* YL reading SS 5-digit numbers. Extra good signal 2/9 (Hermann)  
 6974 INNER MONGOLIA Huhehot; 2025 CC, a R.Peking relay also //7035, mostly talks, little mx. (Wooten-Morocco)

- 7035 CHINA R. Peking; 2030 CC, same as 6974 (Wootten-Morocco)  
 7064 IRAN Voice of Iran; 0230 Farsi HS w/talks. No //freqs noted, (Wootten-Morocco)  
 7065 ALBANIA R. Tirana; 0650-0655\* EE YL talk (Guarducci); 2025 vocal mx, 2026 "Ici Tirana" ID, then NA (Burlew)  
 7095 ISRAEL IBA; 2030-2045\* EE to Eur & Namer//9009 (Keating, Wootten-Morocco)  
 7100 USSR R. Moscow; 2230 SS px//7160, 7230, 7240, 9675, 9710, 9775 (Wootten-Morocco)  
 7102 N. VIETNAM VoV; 1159-1218 VV talks, piano mx. (Earhart)  
 7105 SPAIN RNE; 0950-1020 SS talks OM&YL, children singing (Earhart)  
 7105 ENGLAND BBC; 0440 EE nx, waltzes, ID (Fino)  
 7130 USSR R. Moscow; \*0100 EE nx, cmntry (Brown)  
 7130 TAIWAN VoFC; 1120-1130 t/o CC mx, announcements (Estes)  
 7135 USSR R. Moscow; \*1130 IS, fanfare and ID by OM in lang. (Estes)  
 7135 UKRAINIAN SSR R. Kiev; \*2200-2216 Ukrainian ID "Havoryt Kiev" (Hermann)  
 7135 MONACO R. Monaco; 1350-1600 II, pop mx, ads, nx. Note this is not TWR (Lohe-Eu)  
 7140 USSR R. Moscow; \*2100 IS, talk and mx to Eur. (Estes) Lang? -MRL  
 7150 TAIWAN BCC HS; 0907 CC YL weak under BBC (ODDX)  
 7160 FRANCE ORTF; 2110-2200\* in lang, possibly AA, variety of mx (Tuchscherer)  
 7160 USSR R. Moscow; 2230 w/SS px. See 7100 (Wootten-Morocco)  
 7170 GREECE VoA Kalava; 2300-0000\* EE px, mx (Corson)  
 7170 NEW CALEDONIA Noumeau; 0650-0740 FF, mx (Corson); 0945-1002\* FF (Zilmer)  
 7190 USSR R. Rodina; 0255 RR, mx, 0300\* (Wootten-Morocco)  
 7195 LIBERIA VoA Monrovia; 0415 EE "Breakfast Show", QRM ARO. (Creamer)  
 7200 UKRAINIAN SSR R. Kiev; 0030-100\* EE nx, cmntry s/off EE&RR ID (Brown)  
 7210 CANADA RCI; 0605 FF px. Daventry relay//6110, 6140 (Wootten-Morocco)  
 7215t GREECE; A station here 2120 w/Greek mx. (Abraham)  
 7225 PHILIPPINES FEBC; 1145 EE ID, rel talk (Creamer)  
 7230 ENGLAND BBC; 2025 EE interview about BBC (Wootten-Morocco)  
 7235 AUSTRALIA R. Australia; 1225-1240 Indonesian, mx, nx (Earhart)  
 7235 INDIA AIR Delhi; 2315 EE nx, mx. No //freqs noted (Wootten-Morocco)  
 7240 MOROCCO VoA Tangier; \*0200 EE ID into Ukrainian px. (Brown)  
 7240 UNID, 0455, bells IS, OM talk, mx px till 0515 f/o (BROADS)  
 7250 VATICAN Vatican Radio; 0630 II & Latin Mass for Eur (Guarducci)  
 7255 BULGARIA R. Sofia; 0130 SS talks, nx, mx to Latin America (Wootten-Morocco)  
 7255 NIGERIA VoN; 0619-0633 EE "Morning Melodies", interview. (Hermann)  
 7260 CYPRUS BBC Relay; IS @2129 into EE lang lessons to 2145 f/o (Abraham)  
 7260 USSR R. Moscow; \*0100 EE cmntry. (Brown)  
 7260 ISRAEL IBA; 2214-2220 FF to Eur/Afr w/political cmntry. (Hermann)  
 7265 W. GERMANY DW; 0415-0421 RR to Eur, nx, cmntry (Hermann)  
 7270 S. AFRICA RSA; 0400-0430 Swahili px, mx, EE ancmts (Fino, Creamer)  
 7275 NIGERIA VoN; \*0550-0600 EE nx, talk. (Corson)  
 7275 ITALY RAI; 2045 AA talks to 2050, then into SS (Wootten-Morocco)  
 7280 LIBERIA VoA Monrovia; 0340 EE talk on solar energy (Fino)  
 7285 POLAND R. Warsaw; 2230 EE nx, mx, cmntry, etc. (Wootten-Morocco)  
 7300 ALBANIA R. Tirana; 0140 EE nx, cmntry. (Jones, Hardester)  
 7335 USSR R. Moscow; 1005 EE nx (Creamer)  
 7340 N. KOREA R. Pyongyang; 0900 JJ svc, then SS to LA (ODDX)  
 7345v UNID. A few days in mid-Feb, signal f/i 0050 w/sub-continental type mx and Mongolian type lang till 0115 f/o. Signal drifting 7351-7358. Not audible lately due to later sunset... Any ideas? (Hill)  
 7355 USSR R. Moscow; 0515 RR w/classical mx on piano, RR ID then nx (Earhart)  
 7370 USSR R. Moscow; 0153-0200 EE OM talk (J. Davis)  
 7395nf ISRAEL IBA; 2000-2046\* EE test tx ex 7335&7095 (Behr); \*2000 w/IS into FF p (Estes); 0509 EE nx, press review. (Miller)  
 7400 USSR R. Moscow; \*0100 EE cmntry, traditional mx (Brown)  
 7440 USSR R. Moscow; 0243 EE cmntry, mx. (T. Smith)  
 7500 AUSTRALIA VNG Time Station; 1000 pips, EE time announcements (Overcamp)  
 7863 THAILAND Thai Meteorological Station; 1137-1334\* US pop mx, ID's TC's in Thai and EE, wx ancmts for ships. (ODDX, Yamron, Sizer, Tuchscherer)  
 9390 CHINA R. Peking; 0105 YL w/EE nx and cmntry. (Hardester); 0230 (T. Smith)  
 9455 A. R. of EGYPT R. Cairo; 0500 AA mx, talk. (Eichenhorn)  
 9455 N. KOREA R. Pyongyang; 1000 IS, EE ID. (Shockley)  
 9460 CHINA R. Peking; 0920 EE cmntry, ID (Jones); 2335 w/lang (Creamer)  
 9475 A. R. of EGYPT R. Cairo; \*0200 w/EE nx, AA mx (J. Davis); 1950 AA talks (Fino)  
 9480 ALBANIA R. Tirana; \*1830 EE px (Bowlby); 1630 EE world nx (Wilson)

- 9500 USSR Magadan; 0115-0200 Relay on tape of px from Anadyr most week nites //5940. 7380 & 12240 also carry Moscow relay at this time. (B. Davis)
- 9500 ALBANIA Tirana; 1940 EE propaganda 1956\*(Earhart); 2240 FF px (Fino)
- 9505 DOMINICAN REP RTV Dominicana; \*2200 piano F into SS px 2210 (Gooden, Day)
- 9505 SUDAN R. Omdurman; 1700-2200\* AA talks, mx, QRM Tirana (Earhart, Corson)
- 9505 PHILIPPINES FEBC; 1755-1800\* RR px, hets Sudan twords s/off (Bowlsby)
- 9505 PERU R. America; 1115 SS, Andean mx, talks (Zilmer)
- 9510 VENEZUELA R. Barquisimeto; 1200 SS ballads, ID's (Earhart); 2220 SS ads (Day)
- 9515 MEXICO Voz de la Amer Latina; 1625 t/o SS mx, talk (Tuchscherer)
- 9515 TURKEY VoT; 2111 TT folk mx. Better than //11880 (Wootten-Morocco)
- 9515 MALAYSIA Kuala Lumpur; 0310 Malay ancmts, songs (Tyson-Austi)
- 9520 USA KGEI; 1426-1445 EE "Guideline" rel talk (Miller, Eichenhorn)
- 9520 GREECE R. Athens; 1813 Greek w/icl mx. Lost at 1850, possible s/off (Gavaras)
- 9520 NEW ZEALAND RNZ; 0915 EE cmntry (Zilmer)
- 9525 INDIA AIR; 2200 EE nx. (Zilmer)
- 9525 SOUTH AFRICA RSA; 2235 EE nx, ID (Koziomkowski)
- 9535 INDIA AIR; 1225-1235 EE px sked, nx (Zilmer)
- 9535 SARAWAK RMS; 0540 Malay ancmts, variety mx px (Tyson-Austi)
- 9535 SWITZERLAND SBC; 0215 EE "Dateline" px (Aitken)
- 9540 NEW ZEALAND RNZ; 0842\* EE ID and national anthem (Keating)
- 9540 AUSTRALIA RA; 2020 EE px (Abraham); 1030 EE px (Ross)
- 9540 UZBEK SSR R. Tashkent; 1217 EE nx, ID (Agner)
- 9545 BRAZIL R. Univero; 0140 PP talk. (Estes)
- 9550 CUBA R. Havana; 0145; 0430 SS talks, mx, ID's (Brown, Eichenhorn)
- 9560 ECUADOR HCJB; 0045-0300 EE "Passport" px (Atkins, T. Smith, Nebron, K'kowski)
- 9560 JORDAN R. Amman; 1600 w/repeated IS, mix w/unid Afr (Estes)
- 9560 CLANDESTINE R. Peyk-e-Iran; 1500 Azerb., 1530 Farsi QRN ORTF (Behr)
- 9562 PERU R. National; 1128 SS mx, talks (Zilmer)
- 9570 NIGERIA RTV Kaduna; 0715 Vern, w/native mx, drums QRM VoA (Earhart)
- 9570 AUSTRALIA RA; 0805-1210 EE stock mkt report, mx (Creamer, Koziomkowski)
- 9570 CHILE Em Diego Portales; SS mx, talks (Agner, Zilmer, Tuchscherer)
- 9575 TAIWAN BCC; \*2130-2230 JJ px. (Bowlsby)
- 9575 GREENLAND Gronlands Radio; 2110 very tentative, but heard OM talking against QRM from BCC JJ px, and no longer audible when BCC off at 2230\*, and RAI s/on Could be RAI before 2130, but continues past this time when RAI listed s/off, although very poorly under BCC. (Bowlsby)
- 9576 EL SALVADOR R. Commercial; 1300 SS talks and mx, (Zilmer)
- 9580 BULGARIA R. Sofia; 2154 FF into Bulgarian w/mx, etc. (Wootten-Morocco)
- 9580 AUSTRALIA RA; \*1115-1230\* EE nx, mx, horse races (Higham, Brown)
- 9580 PHILIPPINES VoP; 0818; 1315-1650 EE nx, talks, choral mx, ID and freqs (Hahn, Corson, Zilmer, Tuchscherer, Perdue, Hardester)
- 9584.2 CLANDESTINE Bizim Radio; \*1640 TT px, some mx. Do they QSL? (Gavaras); 9594.2 in Feb. LR is wrong. (Behr)
- 9585 SAUDI ARABIA BSKSA; 1502 AA chantin, talks. Possible s/off 1602 (Gavaras)
- 9590 CHILE R. Pres. Balamaceda; 1010 SS talks, jingles, mx (Zilmer)
- 9595 BRAZIL R. Cultura da Bahia; 0000 ID and freq in PP (Brown); 0035 futebol, ad for Carnaval do Turismo. Very Strong. (Lohe-Eur) /mean 9695? - MRL
- 9595 BRAZIL R. Rio Mar; 2330 PP talks, mx (Zilmer) Could this be new freq, or do you
- 9600 ASCENSION ISI BBC; 1635 GG px (Schwartz); 0500-0600 Hausa cmntry (E' horn)
- 9605 VATICAN Vatican Radio; 0115 EE ID into rel px. (Brown)
- 9605 W. GERMANY DW; 0530 EE px (Eichenhorn)
- 9610 W. GERMANY DW; 2245 PP talks to Brazil//9690 (Wootten-Morocco)
- 9625 CANADA RCI; 2200 EE ID, nx (Koziomkowski, Brown); 0325 FF nx talks (Fino)
- 9630 PHILIPPINES VoA; 1505-1530\* pop mx, nx (Tuchscherer)
- 9635 BRAZIL R. Aparecida; 1010; 0310\* PP ID's, ads, jingles (Shockley, Brown); PP ID as "Emis Catoica... R. Apar. Fundacao da Nossa Senhora, Sao Paulo Brazil!" (Lohe-Eu) Time? - MRL
- 9635 SINGAPORE R. Singapore; \*2130-0900 CC px, mx, nx, talks (Tyson-Austi)
- 9640 USA Voice of the OAS; EE into SS 0000//11740, 15160 (Sizer)
- 9645 COSTA RICA TIFC; 1445 SS, hymns, OM&YL talks. (Earhart)
- 9650 GUINEA Rdif Nationale; 0210-0315 FF/Vern talks, nx, mx. (Corson)
- 9650 AUSTRALIA RA; 1315 EE "News Focus" to Papua. (Zilmer)
- 9650 CHILE R. Yungay; 1100-1115 SS vocals, ID as "R. Santiago de Chile" (Barto)
- 9660 VENEZUELA R. Rumbos; 1010 SS ads, mx, ID's. Most unusual time to have So. American station fall in. (Wootten-Morocco)

- 9660 AUSTRALIA VLQ9 Brisbane; 0900 easy listening mx, ID. (Keating)  
 9665 UNID. 2000 w/AA mx, time pips and unreadable AA ID. Any help? (Estes)  
 9665 BRAZIL R. Nac Brasilia; 0100-0145 PP "Ultimas Noticias" ID and freq, guitar theme from "Berimbau" (Lohe-Eur, J. Davis)  
 9670 PORTUGAL Voice of Hope; 2130 end of EE px (Gavaras); 2200 EE ID into GG talks and mx. (Zilmer)  
 9675 BRAZIL R. Dario da Manha; 0100 PP spots. (Zilmer)  
 9680 CUBA R. Havana; 2330 SS pop mx YL anc (Tuchscherer); 0200 FF ID (Brown)  
 9680 SOUTH AFRICA SABC; 0610 nx, wx. (Day) Lang? -MRL  
 9680 AUSTRALIA VLR9 Melbourne; 0610 EE cmntry (Eichenhorn); 1155 EE px (Wilson)  
 9690 ARGENTINA RAE; 0100-0345 EE nx, mx, talks (Overcamp, Brown, Eichenhorn) 0450 SS ID, LA mx (Creamer)  
 9692 CHILE R. Corprativa; 1015-1110 SS ID "Desde Santiago, R. Corprativa" (Barto)  
 9705 FRANCE ORTF; 0120 SS ID, mx. (Brown) ((Earhart)  
 9705 NIGER ORTN Niamey; 0735 Vern talks OM & YL native mx. Fair till QRM RFE  
 9705 PORTUGAL R. Free Europe; 0750-0805 Hungarian talks. TX located Lisbon w/50kw power per sked #54 red, Dec. 1973 (Earhart)  
 9710 SOUTH AFRICA SABC; 1505-1513 EE, pop mx (Tuchscherer)  
 9715 P.R. of CONGO Rdiff Cong.; 2140-2202\* FF/Vern talks, mx (Zilmer, T'scherer)  
 9720 PERU R. Victoria; 1155 SS talks. (Zilmer)  
 9728 BURMA BBS; 0700 EE nx (Tyson-Austl)  
 9730 AUSTRALIA RA; 2230 IS, EE ID (Estes)  
 9735 MONACO TWR; \*1600 Polish to Eur. Barely audible (Keating)  
 9735nf NETH ANTILLES TWR; 0115-0130\* EE rel talk, ID at s/off (Earhart)  
 9740 MALAYSIA BBC Tebrau; 1015 EE nx. (Creamer)  
 9740 CANADA BBC Sackville relay; 0000-0030\* EE nx, newsreel px (Nebron)  
 9740 PORTUGAL R. Nacional; 2040-2102 PP, light mx (Tuchscherer)  
 9740 CZECHOSLOVAKIA R. Prague; 2128 IS, ID into lang (Tuchscherer) /K'kowski)  
 9745 IRAQ R. Baghdad; \*1930-2020 EE ID, nx, mx (Corson, Bowsby, Abraham,  
 9745 USSR R. Moscow; 1616 EE "The World Today" px, nx, cmntry (Tuchscherer)  
 9750 VENEZUELA R. Occidente; 1248 SS ID, LA mx. (Miller)  
 9750 SWITZERLAND SBC; \*2300 PP talks, mx to SoAmerica (Zilmer)  
 9750 CHILE R. Minerá; 0945 ID and mx. (Earhart, Zilmer); 0240-0300\* SS talks, full ID at s/off (Jones, Estes)  
 9755 BRAZIL R. Brasil Central; 0200 Carnival mx, PP ID's (Behr)  
 9755-7v PERU R. Sideral; 0304-0430\* SS, US & LA mx, ID's (Behr, Dexter, T'scherer)  
 9759 GUATAMALA Voz de Guatamala; 0446 Better here than 6180 tho severe het from TWR 9760 at times, Marimba mx and election returns 3/4 0446 onward "para el interior y el exterior". Logged many new Guatemalan MW stations by parafelling to this. Still at 0639 check //3360 Nahuala. (Hauser)  
 9760 GUATAMALA Voz de Guatamala; 0530 mx and election reurns//6180 (Behr); 1438 "TGW Deportiva" promo, het. (Hauser)  
 9760nf AUSTRALIA RA; 0628-0930 EE, IS, OM w/ID as px to Papua, nx, stock market reports. QRM VoA 9755. (Zilmer, Eichenhorn)  
 9765 ASCENSION ISL BBC; 0400 SS, OM w/nx. (Eichenhorn)  
 9770 ENGLAND BBC; 2150 SS, EE by radio lang lesson (Wootten-Morocco)  
 9805 A.R. of EGYPT R. Cairo; 2145-2240 Bells IS into EE px (Koziomkowski, Brown)  
 9840 AZERBAIJAN SSR R. Baku; 1449 Talk in Farsi, utility QRM, possible ID (Gavaras)  
 9910 ESPIONAGE Numbers Sta; 0528-0533\* SS 5-digit numbers by YL (Hermann)  
 10040 N. VIETNAM VoV; 1300 EE propaganda by OM & YL (Keating) ((B. Davis)  
 10335 INDIA AIR Delhi; 1530 EE nx; 1545-1615\* Indian lang. Weak, polar flutter  
 10530 USSR Alma Ata; \*0000 chime sequence just before the hour followed by Soviet NA, then Kazakh anthem, ID in Kazakh, then in RR//9380 (B. Davis)  
 11350 N. KOREA R. Pyongyang; HS relay \*1950-0425\* returning to winter sked in Korean and mx. Abrupt s. off (B. Davis)  
 11620 INDIA AIR; 2145 EE, Indian style mx, nx //9912 (Zilmer)  
 11672 PAKISTAN R. Pakistan; 1300 EE nx. (Zilmer)  
 11695 CLANDESTINE R. Courier of Iran; 1440; 1755\* talks in lang by OM & YL, address given and repeated then off (Bowsby, Eichenhorn) ((Wootten-Morocco)  
 11695 CHINA R. Peking; 0044 EE propaganda, CC type mx (Brown); 0104 CC px

- 11700 VATICAN VR \*1635 EE, rel px to Africa, nx of Pope, fair (Brown 2-22)  
 11700 ISRAEL IBA 2055 IS, \*2100 in RR, poor, (Bowlsby 2-21)  
 11705 NEW ZEALAND RNZ 0900-0940 EE, nx, cmntry, ID, //9520, poor-fair (Zilmer, Creamer)  
 11710 ARGENTINA RAE 2302-2330 SS, also EE & FF, SS mx, good (Fino 2-22)  
 11720 CANADA CBC No. Svc. 1530-1610 EE/Esk, 0120 EE/FF/Esk, nx, features, G (Fino, Brown)  
 11725 VATICAN VR \*2330 SS, fair (Ross)  
 11730 NETH ANT RN 0200-0245 EE, Happy Sta. px, mx, very good, (Fino)  
 11740 AUSTRALIA RA 1005 EE, cmntry, fair (Creamer)  
 11755t USSR RM 0115 CC, YW tlk, some QRM from jammer on 11760, fair (Bowlsby 2-9)  
 11760 COOK IS not heard, noise and RHC during test (Hauser). Same here and apparently elsewhere too-ed.  
 11760 CUBA RHC 1700-1740 SS, ID, IS, tlk abt Chile, good, (Fino)  
 11765 BRAZIL R Tupi 0018, 0115 PP, carnival mx, ads, //15155, fair-good (Ross, Miller)  
 11770 MEXICO R Mex 1350-1400, 2349-0130 SS, SS pops, easy listening mx, EE IDs, fair-good (Tyson-Australia, Wootten-Morocco, J. Davis, Tuchscherer)  
 11775 USSR RP&P 1430 EE, nx, cmntry, //12070, (Wootten-Morocco)  
 11780 MOZAMBIQUE RCM 0640-0915 EE pops and ads, very strong (Tyson-Australia)  
 11780 NEW ZEALAND RNZ 0800 EE, ID, mx, excellent (Creamer)  
 11785 BRAZIL R Guabiá 0110, 0200 PP, tlks, Bosso Novo mx, fair (Bowlsby, Zilmer)  
 11790 AUSTRALIA RA 1130-1150 EE, drama, pops, some QRM, good, (Lohe-Germany)  
 11790 INDONESIA VoI 0903-0925 EE, nx, tlk, mx, fair (Nebron 3-8)  
 11790 S AFRICA SABC 1400 EE nx, QRM from RA, poor (Zilmer 3-4)  
 11795 GERMANY (FR) DW 1950 AA, mx, GG lang lessons, //9545, (Abraham)  
 11795 CANADA DW relay \*2140-2240 PP, ID in EE as from Sackville, then PP tlk, some mx, fading fair-poor, (Earhart 2-10)  
 11795NF PORTUGAL R Nac 0210-0214 EE, press round up, mx, good (Jones)  
 11800 UNID 1920-2015 when killed by RNE, Greek folk mx, YW ann. in lang, no ID hrd., fair (Mayer 2-24)  
 11805 ENGLAND VoA Woofferton 1600-1640 Ukranian, M&W tlks, nx, IS, EE ID, fair (Fino)  
 11810 INDIA AIR 1335, 1415-1430 EE, ID, nx, fair-good (Ross, Schwartz)  
 11810 AUSTRALIA RA 1100 EE, nx, fair (Creamer)  
 11810 JORDAN R Amman 2200 AA, tlk, chants, fair (Zilmer 3-3). Not Algiers?-ed.  
 11815 BRAZIL R Brasil Central 2345, 0105 PP, tlks, soccer, poor-fair (Zilmer, Bowlsby)  
 11820 MEXICO R Dif de Sonora 1600, 1836 SS, ads, mx, TC, fair (Behr, Lineback 2-23)  
 11820 ASCENSION IS BBC 1600-1640, 2245-2305, SS & PP px, some mx, fair-good (Fino, Earhart)  
 11825 AUSTRALIA RA 1320 EE, jazz to Pacific Is, fair (Zilmer)  
 11825 TAHITI RT 0300 local mx, fair (Ross)  
 11825 TAIWAN BCC 0945 JJ, YW tlk, oriental mx, fair (Hardester 2-18)  
 11830 USA VoA Greenville 1930-1945 Polish, nx, ID, cmntry, noisy, fair (Fino)  
 11835 SRI LANKA VoA Colombo 1040 EE, variety mx, (Tyson-Australia). Not sched till 1245.  
 11835 HAITI R 4VEH 1200, 1500 EE, 2200 SS, nx, wx, rel px, fair-good (Brown, Ross, Day)  
 11835 SUDAN R Omburman 1815 AA, nx, fair (Bowlsby)  
 11850NF ZAMBIA RZ 1304 EE, nx, ID, (Tyson-Australia). Also new time, not in WRTH-ed.  
 11850 AUSTRALIA RA 2125 EE, mx, ID, fair-good (Burlaw 2-27)  
 11855 BELGIUM RTB 2255-2315 EE, Belgium Speaking, //6055, fair (Zilmer 2-24)  
 11860 CANADA RCI 2015-2110 EE/FF to Eu, nx, mixed mx, fair-good (Fino)  
 11860 USSR R Kiev 0300 EE, nx, Ukraine today, fair (Day 2-22)  
 11865v ZAIRE R Lumbumbashi 1838, 1958, 2106, 0605 FF, IDs, African rhythms and drums, varies to 1867, fair-excellent (Miller, Agner, Tyson-Australia, Ross)  
 11865 BRAZIL R C Pernambuco 2225, 0150 PP, tlk, ads, ID, mx, jungles, fair (Zilmer, Ross)  
 11870 SWITZERLAND SBC 1740-1746 AA, nx, ID, Swiss mx, (Tuchscherer 2-11)  
 11875 PORTUGAL R Nac EE to SEA, cmntry, good, (Agner). Time?-ed.  
 11880 TURKEY VoT 2020-2030\* TT, AA mx; 1440-1500 lang, mx; 2205-2228 EE, tlk, letters, mx; fair to poor (J. Davis, Earhart, Koziomkowski, Tuchscherer)  
 11890 SEYCHELLES FEBA 1745-1800 EE, DX px; 1817, 1730 lang rel px, IS, fair-poor, (ODDX, Yamron, Corson)  
 11895 SENEGAL R Senegal \*1800-0000\* FF, nx, western and native mx, EE hrd 1845, fair-good, (Fino, B. Davis, Corson, Miller, Zilmer, Burlaw)  
 11900 S AFRICA RSA 0033, 2245 EE, ID, nx, mx, good (Koziomkowski)  
 11905 ENGLAND BBC 0240 EE, cmntry, stock market, fair (T. Smith)  
 11910 ALGERIA RTVA \*1900 EE daily to Eu., poor-fair, VoA QRM hits 1915, (Abraham, Miller)  
 11915 ECUADOR HCJB 0031, 0200 EE, ID, nx, good (Koziomkowski)  
 11920 SPAIN RNE 1725-1745 SS, ID, drama, tlk, mx, fair (Earhart 2-8)  
 11920 IVORY COAST RTVI 1845-1950 EE, ID, nx, Afro and rock mx, 2355 FF, nx, off at 2357, fair to excellent (Creamer, Earhart, Tuchscherer)  
 11925 USSR R Tashkent 1407 RR, \*1400 EE ID, nx, mx, cmntry, good-fair (Gavaras, Wilson)  
 11925 BRAZIL R Banderlantes 0215 PP, tlk, mx, some EE mx, fair (Zilmer 2-28)  
 11925 CHINA RP 0050 CC, tlk, lots of QRM, poor (Bowlsby 2-9)  
 11930 ECUADOR HCJB 0238 EE, Dialogue, mx, good (T. Smith)  
 11930NF SWEDEN RS 1400 EE, nx, panorama, unlisted freq //17710, fair (Zilmer 2-27)  
 11935 S AFRICA SABC 0648 EE, play, very strong, (Tyson-Australia)  
 11935 BRAZIL R C de Paranaense 0140 PP, tlk, fair (Zilmer 2-22) Burlew)  
 11940 LIBERIA ELWA 2050 EE, IS at 2100 and \*2101, nx, splatter de HCJB, fair (Ross/  
 11940 KUWAIT RK 1415-1430 AA, chants, QRM Romania after 1430, poor (Earhart 2-8)

- 11945 CHINA RP; 2300-2355\* SS to LA, \*0000-0130 EE to NA, 0200 CC, nx, cmntry, good (Creamer, B. Davis, Bowlsby)
- 11950 LIBERIA ELNA; 0930-0932\* EE, px review, fair (Earhart)
- 11950 BRAZIL R Min. da Educacao; 0230 PP, class mx, fair (Zilmer 2-28)
- 11950NF GRENADA R Grenada; 0000-0045 EE, musical comedy songs, QRM RP 11945 & VoA 11955, M announcer, poor (Mayer 2-26)
- 11955 USA VoA Greenville; 0055-0115\* PP, to Brazil, nx, cmntry, ID, IS, EE s/off, (Fino)
- 11955 LIBERIA VoA Monrovia; 1900-2200, EE by radio px, fair (Creamer). Time from sched.
- 11960 ETHIOPIA ETLF; 2015\* Lang/EE ID, fair (Creamer)
- 11965 RWANDA DW; 2210-2240\* GG, march mx, s/off w/Anthem & FF ID, (Corson)
- 11965 BRAZIL R Record; 0045 PP tlk, fair (Zilmer 2-21)
- 11965 GUINEA LV de la Rev; best between DW s/off 2240 and RP s/on 0100, hrd w/PP&FF, poor (Bowlsby)
- 11965 CHINA RP; \*0100 and 0200 EE, fair (Bowlsby)
- 11970 CUBA RHC; 0115-0150 SS, ID, tlks, nx, mx, good (Fino, Brown)
- 11970 S AFRICA RSA; 0030, 0232 EE, nx, cmntry ID, fair-good (Brown, Koziomkowski, Atkins, T. Smith)
- 11990 CZECHOSLOVAKIA RP; \*1730 EE, Afro-Asian svc, nx, features, P-G (Ricchezza)
- 12000 AUSTRALIA VNG Time Sta; 0915 EE ID, undermodulated, poor (Keating)
- 12005 EGYPT R Cairo; 1915-1934 AA, chants, tlk, AA mx, poor (Earhart 2-9)
- 12020 LATVIA SSR RM Riga; 1530 RR, Mayak chimes, tlk, poor (Estes)
- 12070 USSR RP&P; 1318 lang, organ mx, tlk, poor (Estes)
- 12080v CLAND (Ven) R Euzkadi; 2028 IS, \*2030-2100\* IDs in Euz, SS, EE, FF, SS & Euz tlks, gave times of tx as 9:30, 10:30, 11:30 standard unspecified (presume local PM in the Basque region of Spain), mention 25, 23, & 19 mb freqs, //13250v heavily jammed, s/off w/Anthem, poor-good (Biondo, Estes, Corson)
- 12140a CLAND R España Independiente; 1830-1910 SS, tlk, mx, poor (Corson)
- 14995 USSR RM; 1300 RR, Mayak, good (Estes)
- 15070 ENGLAND BBC; 1720 EE, cmntry, mx, fair (Creamer)
- 15084 IRAN R Iran; 1330 EE ID, 1550 lang, mx, fair (Atkins, Koziomkowski)
- 15100 ISRAEL IBA; 2000-2045 EE, poor (Zilmer 3-1)
- 15105 JAPAN NHK; 2200-2215 EE, 2215-2230 JJ, 2315 EE, tlks, poor (Keating, Koziomkowski)
- 15105 ASCENSION IS BBC; 1300 EE nx, 1650 EE soccer, good (Atkins, Koziomkowski)
- 15110 MALAGASY REP RN; \*2000-2120\* FF, tlk, orch mx, request pops on Sat., fair-very good (Ricchezza, Earhart, Linback)
- 15115 ECUADOR HCJB 1330, 1620 EE, rel px, fair (Fino, Brown)
- 15120 SAUDI ARABIA BSKSA; 0500 AA, dedications of Saudi mx, ID, freqs, target areas at 0800 followed by nx, (Wootten-Morocco)
- 15120 FRANCE ORTF; 1640-1700 FF, tlks, anmts, faint and noisy, (Fino)
- 15120 NIGERIA VoN; 1835 EE, nx, cmntry, (Wootten-Morocco)
- 15125 UNID, Voice of British and Forign Bible Society, EE rel px hrd 1312-1316f/o, very poor, (Keating 2-16). No rel bcster listed this freq., who?-ed.
- 15140 CUBA RHC; 2040-2058, \*2110 EE, nx, mx & cmntry, fair-good (Earhart, Brown)
- 15145 GERMANY (DR) RB; 1845-1857 EE mailbag, Afro svc, fair (Mayer 2-17)
- 15150.3 ALGERIA RTVA; 1830 "Filitiniyah" px, varies 15159.5, (Behr 2-15). NF?
- 15150 CHILE LV de Chile; 2230 SS nx, into AA at 2237, 2254 FF, 0005-0013 EE, cmntry, IDs, fair (Day, Zilmer, Miller)
- 15155 BRAZIL R Tupi; 2259, 0015, 0146 PP, carnival mx, soccer cmntry, ID, mx, fair-good (Nebron, Agner, Miller) Corson)
- 15155 FRANCE ORTF; 1515-1540 EE/FF nx, mx, 1638 FF, variety px, //15120, F (Miller, /
- 15155 S AFRICA RSA; 1746 DD nx, EE ID, good (Creamer)
- 15170 LIBERIA ELNA; 2130 AA, ID, IS, tlk, fair-good (Estes, Earhart)
- 15170 DENMARK RD; 1415 Danish, MSW cmntry, mx, good (Wilson). NF?, list 15165-ed.
- 15170 TAHITI RT; \*1600-1645 FF, mx, good (Corson)
- 15175 USSR R S Atlantica; 1315-1326 RR, tlk, mx, poor (Earhart 2-12)
- 15185 FINLAND RF; 1413 EE, tlk, ID, nx, (Koziomkowski)
- 15190 CONGO RTVC; 1715-1745, 1900 FF, ID, mx, fair (Corson, Creamer)
- 15190 BRAZIL R Inconfidencia; 2335, 0055, //6000, PP, mx, tlk, F-P (Zilmer, Miller)
- 15205 UNID; 1520-1531, chants under VoA, no ID hrd, (Tuchscherer 3-1)
- 15215 USA WYFR; 2344 SS tlk, SS/EE ID, symphonic mx, poor (Miller)
- 15220 MALAGASY REP RN; 2020-2050 FF, mx, good (Corson)
- 15240 SWEDEN RS; 1830 EE, px to Africa, poor (Zilmer 3-4)
- 15245 ZAIRE LV du Zaire, Kinshasa; 1830-1930, 2304 FF, Afro mx, nx, good (Miller, Corson)
- 15250 SAUDI ARABIA BSKSA; \*1600-1645 AA, chants, tlk, ME mx, poor (Corson, Tuchscherer)
- 15250 ROMANIA RB; 1300-1312 EE, nx, cmntry, mx, listeners club, F (Zilmer, Koziomkowski)
- 15255 NETH ANT TWR; 2140-2200\* DD, piano mx, rel songs, ID, anmts in EE, F-G (Fino)
- 15260 GREECE VoA Kavalala; 1500 EE ID into Hindi, fair under BBC, (Estes)
- 15270NF JAPAN NHK; 2345-0045 EE to NA, replaces 11725, fair (Zilmer 3-5)
- 15280 USA KGEI; 2105 SS, nx px on oil embargo then rel px, good (Brown)
- 15285 CUBA RHC; 1430 SS, orch mx, fair (Brown)
- 15305 SWITZERLAND SBC; 1530 EE dateline to Af, 1606 GG nx, fair (Miller, Zilmer)
- 15320 NETH ANT RN; 2259 SS, IS, ID, good (Miller)
- 15345 ARGENTINA R Nac; 1845 SS, tlk, mx, fair (Zilmer 2-23)
- 15350 LUXEMBOURG R Lux; 1720 FF, FF pops, YW ann, good (Estes)
- 15360 MOROCCO RTVM; 1715 AA, tlk, marches //9615, 11735, good (Estes)

- 15365 ETHIOPIA ETLF; \*1915-1945 FF to Af w/nx, excellent (Mayer 2-23)  
 15370 SPAIN R Liberty; 1155 Turkestani, nx, caught ID on tape seconds before jammer hit, (Wootten-Morocco)  
 15375 FRANCE ORTF; 1502 FF, variety show, fair (Miller 2-24)  
 15385 MEXICO R Mex; 0145 SS, tlk, ID, (Agner 2-22)  
 15415 KUWAIT RK; \*1630-1730 EE, EE pops, tlk, spt nx, fair to good (Zilmer, Corson)  
 15415 BRAZIL R C de Ribeiro Preto; 2256 PP, soccer match, poor, QSB, (Mayer 2-23)  
 15420 ECUADOR HCJB; 1730 EE, to Eu, //15300, 11945, (Wootten-Morocco)  
 15425 CUBA RHC; 1305, 1452 SS, ID, US oldies, Castro speech jammed by Chile?, //15300 louder and not jammed, poor-good (Miller, Earhart)  
 15440 USA WYFR; 1830 EE, rel px, //17845, 21525, (Wootten-Morocco)  
 15440 PHILIPPINES FEBC; 0000 EE lang lesson, poor (Zilmer 3-4)  
 15445 LIBERIA VoA; 2355\* EE ID, poor (Overcamp)  
 15445 JAPAN NHK; 2345 EE, nx, poor (Overcamp)  
 15447 BRAZIL R Nac Brasilia; 2035-2055 GG, tlk by W, mx, some VoA QRM, F-P (Earhart)  
 15455 USSR RM HS; 1240-1303 RR, Mayak, tlks, mx, fair (Earhart)  
 15630 N KOREA Pyongyang; 2310 EE, M&W cmntry on Korea, good (Hardester 2-16)  
 17735 CUBA RHC; 2050-2100 AA, tlks, fair to good (Fino)  
 17775 GERMANY (FR) DW; 1318 Indon to Indonesia, tlks, mx, //15320, (Wootten, Morocco)  
 17780 AUSTRALIA ORF; 1400 GG to SEA & Australia, nx, (Wootten, Morocco)  
 17795 AUSTRALIA RA; 0215-0245 EE, club forum, mx, fair (Nebron 2-24)  
 17805 SPAIN RND; 1335-1350 SS, nx, mixed mx, ID, IS, weak but good (Fino)  
 17830 GERMANY (FR) DW; 1410-1425 GG to NA, nx, mixed mx, ID, IS, fair (Fino)  
 17840 ASCENSION IS BBC; 1605-1620 EE, nx, tlk abt Canada, ID, IS, fair (Fino)  
 17870 ENGLAND BBC; 1300 Greek, Eu svc to Greece w/mx, tlks, (Wootten-Morocco)  
 17885 S AFRICA RSA 1845 EE nx before 1850\*, // to GB and Ireland on 15185, (Wootten-Morocco)  
 17885 CUBA RHC; 2100 AA, AA chants, ID in AA, fair (Brown)  
 21595 CANADA CBC No. Svc.; \*1600 EE, mx, good (Higham)  
 21745 USA VoA Dixon; 2205 CG to FE, poor (Creamer)

Thank you for supporting Log Report this month. You will note some format changes including dropping the use of SIO. About half of the reporters use SIO, so we would appreciate hearing your opinions. May April showers not deprive you of good DX.

73 till next month

Jerry A. Lineback

#### SOME NOTES FROM HDQ

March Printing Fellow here in town gave a good price on printing, including collating, folding & stapling. We'd seen some of his work & it looked OK, so we tried him out on the March FRENDX. The results were the mess you received last month. We could have insisted that it be redone, but that would have delayed things even more, so we simply will not be having that fellow do anymore printing for us.

Awards program As we noted a while back, the awards certificates will be available this Spring. Actually we had hoped to have them already, but didn't make it. Typesetting will be finished the first week in April. We should be able to announce the availability of quite a number of the awards in the May FRENDX.

Propagation We would not object to running a propagation column, as has been requested by some. All it takes is someone who knows the subject to be willing to compile the data & type it each month. We really would like to find such a person, willing to do a propagation column, because we know that many readers of FRENDX have no knowledge at all on the subject, and that many have been told, incorrectly, that all one need do is tune WWV & see what they say about it. The problem with that is that the conditions given on WWV are for one path only....Write HDQ if you are interested in doing a column on the subject.

Language Report Forms Elsewhere in this issue you will find a copy of the NASWA Spanish Language Reception Report Form. This is included in FRENDX for two reasons. First, some have apparently been under the impression that we had a form where you fill in the blanks. What we do have is, as you can see from the Spanish form, a set of instructions showing you how to write a report in Spanish....The second reason is that we ran out of reprints of the Spanish form, and, since it is the most popular, and it will be a while before we get it reprinted again, this will save delays in getting it to members.....There have been a few requests for form reports that can be filled in & mailed. While such forms usually do not get as good results as a letter, if there is sufficient demand for them, we could possibly have them worked up in English. (Also in other languages if demand warrants.) Your card or note on the matter, to Dan Ferguson at HDQ, would be appreciated.

The Last Word Elsewhere in this issue is a page titled "The Last Word", simply because it was done last. We always get in "The Last Word": :: DF

64 reporters this month... not quite as many as for the past two issues, but still a good report again. For the "Dedicated Reporter of the Month" award we are nominating our northern Canadian DXer, Ciro Guarducci, and we quote from his note as follows: "Despite a wife in the hospital for twenty days with a badly broken leg, a sick son, a broken furnace, a nasty record temperature of forty below in March, and a crazy dog that started to bite everyone, I still found a few minutes to locate a few stations".... All we can say at this point is "Hang in there, OM!"

Larry ABRAHAM, Bridgeport MI(HQ180A)... Mike AGNER, Waldwick, NJ(SX110)... Kevin ATKINS, Shelby, AL(Star Roamer)... Sam BARTO, Morris, CT(BC-794)..... Ernie BEHR, Ottawa, Ont., Canada(R4B/XCR30)... Lou BIONDO, Waldwick, NJ(SX-71) Jeff BOWLSBY, Vancouver, B. C., Canada(SP600)... BROADS (Buffalo ROchester Area DXers; G. Schnabel, D. Simon, R. Koret, C. Hahn, M. Collier, F. Orcutt, H. Fino, D. Solomon. R4B/HQ-180)... Mark J. BROWN, Minster, OH(DX150B)... Doug BURLEW, York, PA(SX190)... Curne CHADWICK, Omaha, NE(SPR4)... Kent C. CORSON, Dubuque, IA(HQ200/A20)... John W. CREAMER, Denver, CO(SW4A)... Bill DAVIS, Laguna Niguel, CA(Homebrew)... Jim DAVIS, Travis AFB, CA(Grunding 700)... Edward DAY, Auburn, CA... Dennis D. DEAN, Dayton, OH(HQ180A)... Gerry L. DEXTER, Lake Geneva, WI(HQ180/R4B)... Kenneth A. EARHART, Allentown, PA(DX150A/SX190) Sandy EICHENHORN, Troy, MI(SX190/SPR4)... Steve ESTES, Newport Nw, VA(SX190) Marlin A. FIELD, Benton Harbor, MI(SX100)... Henry E. FINQ, Rochester, NY(1936 RCA Victor console)... Tom GAVARAS, Wayzata, MN(HQ180)... Chuck GOODEN, Minneapolis, MN(Hallicrafters S-40A)... GUARDUCCI, Cassiar, B. C., Canada (SX190)... Glenn HAUSER, Stillwater, OK(HQ160)... Chuck HAHM, Getzville, NY(HQ180) Mike HARDESTER, Lemoore NAS, CA(XCR30)... Dan HENDERSON, Laurel, MD (SX190/HQ180A)... Baxter W. HENSLEY, El Paso, TX... Frank J. HERMANN, Montr al Que., Canada(Hallicrafters S-125)... William HIGHAM, Youngstown, OH (Magnavox 1R1214)... Bob HILL, San Francisco, CA(R-390)... William HOHNSTEIN, Lincoln, NB (SB-300)... Jack R. JONES, Jackson, MS... Rick KEATING, Allentown, NJ(Midland 11-520)... R. J. KOZIOMKOWSKI, Amsterdam, NY(DX150)... Ernst G. LOHE, Hamburg, W. Germany(RB4)... Jerry A. LINERBACK, ST. Joseph, IL(SPR4)... Alan MAYER, Park Forest, IL(SB-310/DX150A/NC173/A20/BC221AH)... Albert A. MILLER, Youngstown, OH(HRO-500)... Larry NEBRON, Daly City, CA(SX190)... ODDX (Old Dominion DX Assn.; S. Estes, R. Lay, D. Jamison, C. Rippel, E. Shaw-Norfolk, VA).. Thomas OVERCAMP Bladensburg, MD(National NC-98)... Carroll R. PATTERSON, Decatur, GA(SX-99)... Neal PERDUE, Millington, TN(SB-313/HA-600A/SW4A/Q-Box)... Ed RICCHEZZA, Philadelphia, PA(SW4A)... Michael ROSS, Ronkonkoma, NY(SX190)... George SCHNABEL, Rochester, NY(SW4)... Richard A. SCHWARTZ, Dover, DE(SX190/S-108/BC221AK)... Edward C. SHAW, Norfolk, VA(SP-600/Super-X190)Mike SHOCKLEY, Waukeg, IA(DX150A)... Alvin V. SIZER, N. Haven, CT(SPR4/HQ180A)... Todd SMITH, Wilton, CT(GR64)... Wade M. SMITH, Westport, MA(SX190)... John TUCHSCHERER, Neenah, WI(HQ100A)... Craig TYSON, Wembly, W. Australia(Trio 9R59DS/BC221)... Jim WHITEHEAD, Reading, MA(SX190)... Solomon WILSON, Philadelphia, PA(SX190) Charles A. WOOTTEN, USN, Morocco(Zenith Transoceanic/SRR-13/R-390)... Larry YAMRON, Pittsburgh, PA(HQ180/SX190)... James W. YOUNG, Wrightwood, CA(HQ100C/HQ180A)... Robert ZILMER, Milwaukee, WI(SPR4).

#### DX LIMERICKS

Two ladies of musical repute,  
Each purchased an Arabic flute,  
They took a long trip,  
Aboard a large ship,  
And were shanghaied by R. Beirut.  
(Jack Jones - MS)

There was a DXer named Glenn,  
Was as happy as any one'd been,  
The station he heard,  
Was not the third,  
But the 14th harmonic, plus ten.  
(Larry Magne - PA)

o o o (M. R. Leonhardt 3/15/74)

## FLASHSHEET

The Flashsheet is published twice monthly by NASWA, Box 8452, S. Charleston, W. Va. 25303

APRIL 1974

Freq: KCS

Time: GMT

AL NIBLACK, Editor, 420 Shelby Street, Vincennes, Ind. 47591 DEADLINES 10th & 20th Month

**ANGOLA** 7215 After S/off of Athens, CB5EB, R. Ecclesia, Luanda, pokes through for about 5 minutes with instrumentals, PP talk, gong, 1556. Smothered at 1600. (Bob Hill, Cal.)

**AUSTRALIA** 9760 (from 9755), clear fine signal to Papua/NG from Shepparton, 0630-1000//11805, RA ID, plus native drums of Papua, news at 0900. (August Balbi, Cal.)...4920 (ZENT) VIM4, EE talk, lite music, 1215-1235 fade out for the Regional, band soon dead. (Doug Burlew, Pa.)

**BRAZIL** Unlisted (WRTH/73), R. Cultura, Salvador, observed 0033 with ID, giving / Burlew, Pa.)

**HW/SW/PM** fays. Off abruptly 0103 in mid-song, 3/9. (Bob Hill)...6155 R. Cultura da Bahia, new fcy 0200 Carnival Prgm and PP IDs, good signal 2/26th. (Ernie Behr, CANADA) (OK you two multi-linguists, which is the correct ID, Editor)...2410 R. Es Rural with sports, PP, S/off 0400, listed for 0200 S/off. (Phil Schnabel, N.Y.)...Another Brazilian, on 2410, noted with mixed prgm, S/off 0300, I missed the ID. (Phil Schnabel)...1950 R. MEC, 0115-0130, classical music, 4 note IS, ID in PP, fair lvl. (Doug Burlew)...R. Gazeta, 9685, 0150, PP sports, fair lvl. (Bob Zilmer, Wisc.)...1935 R. Clube de Paranaense 1040, noted with a talk in PP. (Bob Zilmer)

**CHAD** 7120 RRT assumed to be the one 1540-1645 fade out, almost entirely native music, vj few annots. This is in variance with listed 1610 S/off. (Bob Hill)

**CANADA** 6045 New fcy for RCI SS prgm, 0356 closing with IS. (Glemm Hauser, Okla.)

**CHINA (PR)** 2350 Tainan, Shantung Province, sometimes audible here, showing poorly recently, 1410-1415, with a Chinese drama, musical interludes...3700 Radio Peking tuned 1220; strange flute music, man in language. "Internationale," 1225. Off before 1300...4865 Lenchow with "Internationale" 1250, ID as, "Kansu Jen Min Kwang Po Tien Tai", clearly for the Regional...4990 At 1355 tuning, Regional Changsha (listed) was having English lessons! This on 3/7. (Credit all to Bob Hill)

**CHILE** VoD, 15150, noted in EE at 1930, 2230, and 0130, each about 25 minutes duration. (Aug...6195 I wonder if the "Voice of Reason" (March FRENCH) isn't the Voice of / ust Balbi Chile, which has been heard in EE IDing at 0406. (Bob Hill)

**COLOMBIA** 6115 LV del Ilano, 0430 music and IDs for, "R. Super de Bogota", //6065; one ID at 0457 S/off. (Ernie Behr)

**COSTA RICA** 6107 R. Universidad, new station, 0230 orchestral music, SS IDs to 0400\*... (FLASH) TIPC advises plans for a third SW xmitter to operate on 5020 kcs. (Both to Ernie Behr)

**DOMINICAN REP** On 3/9, 0900, R. Commercial IDed unmistakably with its SW call as HI2JP. WRTH's listing of HI2JP is therefore incorrect. (SS ID, of course). FHS lists correctly. (Bob Hill) ...6218 LV de la Libertad heard again 3/7, 0230 piano music, full ID and anthem to 0258\*... 6217.8 LV de la Libertad, music, TCS, SS ID 0040, 3/13. (Ernie Behr; Doug Burlew). (Is this a fundamental, or a harmonic?? Editor)...Onda Musical, 4783, in SS, in "mornings". (Bob Burlew)

**ECUADOR** HCJB, 11740 and 9715, during the Japanese Coast, 1130, HCJB has a new DX / Zilmer) prgm, called, "Hello DXers", in EE, by Roger Stubbe. (Bob Zilmer)

**JAPAN** MHK, 15270, new; replaces 11725 to ECHA 2345-0045 in EE, //15445. (August Balbi; Grady)

**INDONESIA** 3037.5 Unidentified station, 1243 with soft guitar music...4845 / Ferguson, S.C.) (MALOKU) Ambon's RRI outlet is now here from 4841, FB copy from 0920-0930\*, man in II, dual with 7139...5259 (SUMATRA) RRI Sibolga is assumed the station noted at 1052 with chanting. ...5938 An unidentified RRI xmitter noted S/off with "Love Ambon", shortly after 1600. S/off time suggests Sumatra, Java, or Kalimantan...5559.5 (JAVA) R. Surabaya generally quite weak, but good 3/14, at 1115 in discussion type prgm, pops at 1350...6134 (KALIMANTAN) RRI Samarinda, good from 1235; chimes 1240, RRI, into So Seas music. (Credit all to Bob Hill)... 4871 (WEST IRIAN) RRI, Sorong, orchestra music, songs, at 1153, S/off at 1200, II. (A.A.)

**ISRAEL** 7395 IBA on new fcy 2000-2045 in EE. (Bob Zilmer)...IBA, Tel Aviv, from / Miller, Ch.) tuning 0053, with pops, paralleling 9785, with new 7395. (Bob Hill)

**KOREA (N)** 2750 Chongjin (list), dual 2850 (Pyongyang) in KK around 1345. (Bob Hill)

**MALAGASY REP** Tananarive, Network 1, tentative ID, 4985, PP, 1600...7105 Network II, weakly modulated 1530, PP annot, bouncy guitar tune. Needs rechecks. (Bob Hill, credit for both) ...RN Relay 17830, replacing 15220, in FF 2000-2120, //15110. (August Balbi)

**MALDIVES** (Repeated, please see previous FLASHSHEETS) Have now decided the QSL received from Maldives was not conclusive for the present, due to their QSL policy might not be as stringent as earlier thought. Have contacted Zahir again, for reassurance that he gives attention to the taped reports he says are welcomed at R. Maldives. I am not counting reception of Maldives on 7225. (Bl Shaw, Va.) (Thanks, please keep us advised, Editor)...No sign of Male at 1215+, on NASWA special--in fact, no sign of them at any time on 4740 kcs. (Bob Hill)... No Joy here in Indians, carrier only, when checking 4740, for NASWA special. (Al Niblack)

**MANCHUKUIA** 4840 Harbin can be found under the Fukien PIA station to 1430 S/off, dual the 4913 powerhouse. One day noted man in impassioned CS speech from 1420 tuning. (Bob Hill)

**NEPAL** 3425 0017 with IS, 0020 S/on, Indian music, fade out 0100, high power. (Phil Schnabel)

**NIGERIA** 6025 EN, Emgu, British version of, "The Bickersons", 2130-2157, then EE ID by man, fair to good lvl, 3/12. (Doug Burlew)

**PAKISTAN** 17845 RP, 1300-1330 in EE, paralleling 11673; the 16 meter band is beginning to open up again here. Mostly poor signals. (Bob Zilmer)

**PAPUA/NG** 3275 Mendi, So Highlands; nonstop talk in native 0840-0900, punctuated by chimes and gongs, then seemingly into another prgm at 0900. (Bob Hill)

**PERU** 4789 R. Atlantida 0300-0330 SS, IDs, LA pops and vocals, loud and clear a couple of hours after Turks S/off. (Editor Jerry Lineback)...OAX6E, R. Continental with LA music from 0420, ID 0430. Not on listed 9455 or 9685. (Bob Hill, WIARR/6)(6055)...9720 R. Victoria at 1155 in SS with fair lvl sigs. (Bob Zilmer)

**PHILIPPINES** 9505 FRENEX with EE and language lessons at 1400; Russian at 1700. (August Balbi) ...3345 DZB2 FRENEX, IDing in EE at 1301. The 3345 outlet almost buried by RTTY. (Bob Hill)

**POLAND** 15275 Polish Radio at 1230 with EE to Africa, not well heard here. (Bob Hill)

**ROMANIA** 2336 3/15, Gwelo noted in the African Svc, // 3306, at 0345, nice. (Phil Schmabel)

**5016 BEK**, Gwelo, with an ID at 1530, TC, and into rock music, American style DJ. (Bob Hill)

**SARAWAK** 4950 (TENT) R. Malaysia 1215-1235 EE, mostly unreadable, music, poor lvl. (Editor Zilmer)

**SWEDEN** 6045 0400 Canada wipes out RS until 0400. (Glenn Hauser)...6000 / Jerry Lineback

R. Sweden now here, 0030-0100; 0200-0230 in EE to ECNA, a lot of QRM. (Bob Zilmer)

**SWITZERLAND** 5980 SEC at 0425, fighting it out on this freq, new quarter 3/3. (Glenn Hauser)

**TAHITI** 9750 Papeete; discussion in FF 1620. Have not seen this freq recently reported. (Bob Hill)

**THAILAND** 7863 Metro Station at 1128 with WR, from 1130 Andy Williams pops. (Phil / Hill)

**TANZANIA** 15435 Dar Es Salaam logged 1800-1810 EE, S/off 2015. (August Balbi) / Schmabel

**TURKS IS** Noted VS18 from 2200-0109\*, EE pops, OM DJ, many IDs, rock and vocals. Everybody should have, if in this country, Turks logged by now! (Editor Jerry Lineback)(4788)...

4788 VS18 logged first time, 2347-0020 fade out, request prgm, in EE, March 16. (Bob Zilmer)

**VATICAN RADIO** 11700 VR noted daily in FF 1605, EE 1620; on 11790, 1500, in EE. (August Balbi)

**VENEZUELA** TVM, R. Coro, 4950, 2330-0030, in SS, has returned to the air. (A.J. Hiller; Bob Hill) ...4930 (See previous FS) Guess we both need to read the FS a bit / Zilmer; Neal Perdue, Tenn.)

closer! My Voz de la Se was actually Voz de la Fe, in a move as reported earlier by John Tschuchner, Wisc. (Agreed, Editor) (Item submitted by Neal Perdue, Tenn.)

**VIETNAM(S)** 15013 VoV, EE commentary 1515-1520, then ID, good lvl. (Doug Burlew)...3992 Viet Bac Regional Svc from 1155 with children's songs, ham QRM, dual 6793V. (Bob Hill)

**USSR** 7200 Unidentified site carrying Mayak pr, 1240, light music, IS 1300, pops. Anyone know this one? (Doug Burlew)...3395 Man and woman in RR 1212 over Rabaul; carrier off, returned 1214, minute later annot, "Moskovskoye vremya 15 chasov 15 minut", continued. (Bob Hill)

4395 ASIATIC USSR Yakutsk a poor signal dual 3995(QTH unknown) around 1450 with Mayak, Mayak IS 1500, six pops, and TC in RR for 6 o'clock. (NOTE: The correct transliteration is "Mayak" not "Majak". The latter is the German transliteration. (Bob Hill)...6050 ASIATIC USSR (See March FRENEX) Unidentified is Khabarovsk Relay of Moscow's JJ. station, dual 6100 (Bob Hill) ...11925 1220-1228\* Radio Tashkent with a very interesting prgm in EE, a beautiful 55545 signal, nice local music, YL doing the MCing, UZBEK REP outlet. (Neal Perdue)

**HARMONICS** 2820 0244 MEXICO Romantic vocal music in SS noted. Likely currently active harmonic of XEAS, 1410 kcs, Nuevo Laredo. (Glenn Hauser)...8870 CUBA The first sub-harmonic of R. Havana's 17740 kcs xmitter noted around 2340 in SS, better signal lvl than its fundamental. (Bob Hill)

**UNIDENTIFIED** 7220 (See LR March FRENEX) Let's be sensible-I don't know what was being heard, but surely not EMO. Its 3 AM in Bangui then! A patently wrong item such as this should not be printed without editorial comment. Perhaps an ECNA listener can correctly ID. (Bob Hill)

**CLANDESTINE** 6025 The "Hobby Pirate King Kong National Network 20 miles off the North American Coast," noted like local, sounding more like 3 blocks down the street. Pops, some obscenities, though prgms professional sounding. Sometimes heard in the "afternoons". (Phil Schmabel) (I misplaced some data on this goodie, please correct me Phil, if I garbled it, Editor)...

7335 Voice of Truth (Located either Bulgaria or GDR) Noted S/on at 2030 with 18 note IS, then into Greek type music. ID as, "Accoute... Radiofonias Alithias", Gene at 2112, no final ID. (Charles Wooten, Morocco)...3696 NORTH KOREA (?) The mysterious "Kocng Mai", I reported earlier has left 4595. On 5/10, appeared to be in Japanese 1120; at 1200, Pyong-yang IS, anthem, into Chinese. IS is of 8 notes (5-3-4-5-1-3-4-5), identity of "Iei Kocng Mai" (when in French) (phonetically--man), is enunciated slowly and distinctly. Not parallel to the Pathet Lao outlet on 4661, ~~VERY~~ interesting.... (Bob Hill, WIARR/6)

**LAST MINUTE ITEMS** 6170 Seemingly new "La Voz del La Rimba" heard in SS, many IDs, around 0835, located in COLOMBIA. Can find no listing. (S.W. Elchenhorn, Mich.)... (Isn't this the recently new La Voz de la Selva, Florencia, Editor)... USA WYFR has added two new languages: Russian for the Soviet Union; and, Arabic for No Africa and So Europe. A new 100 kW transmitter is being installed in Scituate, Mass. (Ed Insinger, N.J.)

**(FLASH)** QSIs just in from rare Tristan da Cunha and St. Helena! (Just April Foolin' around, Charlie Loudemoney; Haw, Haw, Haw!) (I don't know about you Charlie, sometimes, I wonder,

**FEBRUARY 1974: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 3-5-74:** / Editor) 1-13, 2-12, 3-8, 4-7, 5-0, 6-0, 7-8, 8-16, 9-22, 10-21, 11-21, 12-36, 13-50, 14-26, 15-46, 16-48, 17-47, 18-46, 19-45, 20-43, 21-37, 22-45, 23-35, 24-29, 25-17, 26-20, 27-42, 28-35

**MEAN-27-7 MEAN-1973-38.0 PREDICTED: MAR-23 APR-22 MAY-21 JUN-18 JUL-18 AUG-17**

**ANARC ITEM:** ANARC has armed that Charles A. Wooten has been made / (Friend Grady Ferguson) Chairman of the Frequency Recommendation Committee. This is good news. Letter from him today confirmed that he needs help in this important aspect. Write to him at: Ed-1 Charles A. Wooten, USNSC P.O. Box 507, FPO New York 09544. Thanks. (Bob Zilmer)

**ACKNOWLEDGEMENT:** Thanks to so many that supplied the excellent material for this effort. YOU ARE APPRECIATED. Material of value that I could not work into this issue, will be included in the next FS. I have more space in the MID-MONTH FS, an allotment of 3 pages. Many of you will note that I had to use the blue pencil rather heavily in this current release. Please bear with me. Last minute items may be phoned to 812-882-3976, before 2000 GMT...I have here travel folders from Radio Prague. I will be glad to send to those interested if they will forward a 7"x 10" manilla envelop with 20¢ postage; and, the complete sked of EN is on hand, may be had for a SASE. ....

# THE LAST WORD

by DF at HDQ

NEW SCHEDULE FOR IBA, ISRAEL We have just received the new schedule for the IBA, effective 3/15/74. Transmissions to North America are as follows:

1130-1230	English/French	15130 kHz
2000-2045	English	7395, 9495, 9625, 9815, 12025, 15100
2200-2255	French	7395, 9009, 9495, 9815, 12025, 15100
2300-0255	Hebrew Home Service	7395#, 9009#, 9495, 9625, 9815, 12025
0500-0530	English/French	7395, 9009, 12025

# = except 2350-0030

Note: from 0033-0530, 7395 may be replaced by 5915.

(Above received via telephone from Larry Magne - hope I took it down correctly. DF)

## ORTF TO LEAVE SHORTWAVE

Another country which will be leaving shortwave is France. We have word, from French DXer Bernard Chenal, via Larry Magne, that ORTF is planning to leave the shortwave bands completely, as of January 1, 1975.

## LATIN AMERICAN REPORT, from TONY JONES

Tony Jones will be sending regular reports from Paraguay. HDQ has found the data from Tony quite interesting, and we are sure you will, too.

ARGENTINA 4845 kHz, R. Nac. Puerto Yguazu, LRA19, hrd almost daily since 2/22. Tent. amses fgy as 1030 MW, so harmonic impossible unless using fundamental other than that annod. Signs on around 0930, but s/off time not known, as much QRM from Fides and Bucaramanga during evenings. Puerto Yguazu is located at the meeting point of Argentina, Brazil and Paraguay.

BOLIVIA 4548, R.Universo, La Paz, noted here 2/25 till 0309 s/off. Also hrd two separate occasions since. Back on 5021 on 3/5/74.....4845, R.Fides, now //6155 from 1030 s/on; previously evenings only.....4885 R.Sararenda, only possible Sun mornings around 1100 when QRM not prohibitive.....5045 LV del Altiplano, hrd only twice during recent weeks on 2/17 and 3/4.....latest state of Bolivian stations hrd in Paraguay is therefore as follows:

3440 R. 37 de Diciembre; 4276 R.Riberalta (R.Paitambi seems to have moved);  
4424 R. Tupiza (ex 4420); 4465 R.Melina (Santa Ana)(ex 4470); 4548 & 5021 Radio Universo (La Paz); 4600 Guayaramerin (Presumed); 4700 R.San Miguel; 4728 Radio Abarea; 4795 Emisora Nueva America; 4824 R.Grigotá; 4845 R.Fides; 4875 La Cruz del Sur; 4885 R. Sararenda; 4935 R. Norte (Montero); 4980 R.Juan XIII;  
5045 LV del Altiplano; 5965 R. Nac. Huamuni; 6140 R. Santa Cruz; 6155 R.Fides; 9605 R. Piraf.

In addition, there are four other unidentified stations, viz. 4495(possibly ex4517) which signs off around 0300; 4775 and 5125, as mentioned in January FRENDX, and 5995, heard 3/5 w/broadcast in UNID lang from around 1035.

CHILE 6150 R.Cooperativa? Heard weakly most mornings, noted 2/25 at 1008 s/on after "Land of Hope and Glory" IS (same as 9690). However, ID at s/on was "Radio 76", and several programs have been observed beginning w/"En asociación con Radio Cooperativa de Santiago presentames...." which suggests a regional outlet. The station on 9620 has always been heard announcing "Radio Cooperativa", but it is possible that other IDs are in use.

PERU 5816, LV del Altiplano, regular at 1000 s/on and again most nights past 0300.

URUGUAY Latest observations concerning CX stations are as follows:

4945, LV de Artigas, as per January FRENDX.....6155 R.Carve, first noted 2/14 around 1100 w/tx trouble. Has now sorted out the problem, on air almost daily from before 1015 1600 approx. European QRM prevents checks as to whether stn returns later in the day. ...9620 SODRE, this outlet still low powered, but //15273 much better. Stn fades in shortly after 1000, continues past 0030 when QRM makes further listening impossible. ...11735 This channel normally covered by R. Clube de Goiana(Brazil) and one very loud het. Occasionally, however, a few words of Spanish emerge from below, and are thought to emanate from R. Oriental.....11835 R.El Espectador, good sig mornings to night and the strongest signal of all Uruguayan stations.

Our thanks to Tony for another LA report. He notes he will be unable to supply a report for the next FRENDX, but will be back after that.

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WHAT DO YOU DO WITH LOG REPORT? We were rather surprised that fewer than 20 people requested the copy of the Feb LR A&B sections that did not appear in FRENDX due to arriving late. LR is intended to be a useful reference list, but few seem to use it that way. Fortunately we held off printing copies of those sections, and those who sent in an envelope will receive(should already have it) a Xeroxed copy. Dan Ferguson

# LISTENER'S



## SURVEY RESULTS SPORTLIGHT, PART VII

Credits to the Spotlight to "Numero Uno, SWBC - Weekly", FRENEX, and observations by other DXers and ye ed.

Dan Jamison  
310 Roanoke Street  
Apartment 21  
Richmond, Virginia  
23225

Deadline: 15th

had difficulty detecting worth the effort to give 6130 a whirl around local sunrise and hope for a break in all the QRM. Our chances for logging Laos have increased over the last few months since the appearance of a new quasi-clandestine voice possibly located in Laos, the Voice of Peaceful Laos. VPL has been noted by the BBCMS relaying RNL news occasionally. The new station is scheduled from 0500-1400, 2300-0200 in Laotian, and from 1430-1500 in Vietnamese. Watch "Clandestine Bulletin" for more information on this station in the future.

\* BURMA mothered some of the world's oldest oil fields in the 1930's. In 1970, the Burmese started driving on the right hand side of the road. But now Burma is heard not only on the high side of the 60 meter band and on the low side of 60 meters, but also in the middle of the tropical 60 meter band. The Burma Broadcasting Service operates on 5040 KHz and may be heard during local morning hours with relatively good signals. Excellent reception often occurs during periods of favorable Asian reception. Burmese is slated from 0930-1430 and English from 1430-1600 - all on 5040. Local languages are carried on 4725 KHz from 1100-1245, but signals on this frequency do not seem as strong as 5040, on the East Coast at least. Bruce Churchill, Calif., recently detected BBS operating on the new 60 meter band freq of 4810. This new outlet is // to 5040, the same schedule is assumed to apply.

\* CAMBODIA International broadcasting activity from the Khmer Republic originates near the airport on the outskirts of refugee packed Phnom-Penh. Radiodiffusion Nationale Khmère has been well heard on medium wave as well as on shortwave throughout South East Asia. RDP Nationale Khmère has in fact been well heard in various parts of the world, including the US. Recently, ECNA, NASWA members have reported hearing RDP Nationale Khmère at around 1115, or so, on 4908. WCNA listeners have also noted reception at fair to good levels. Check 4908 KHz around local sunrise for best reception of Phnom-Penh. It is not entirely impossible to hear Phnom-Penh around sunset either. Several ECNA and Midwest DXers have noted the 4908 outlet around 2300...2330 or so. You might give a listen on 6092 during local mornings near sunrise too. Phnom-Penh has used this freq in the past and it may bare some checking every now and then. Watch out for VLI-6, Sydney, Australia, on 6090 though. Both Asian and western program material is aired and a number of languages are used including English, French, Vietnamese, Chinese, and Khmer. English has been noted by some monitors at 1230.

\* LUXEMBOURG Radio Luxembourg is the international voice of the tiny industrialized European nation of Luxembourg. French is aired around the clock on 15350. This frequency may at times suffer from a broad band jammer which may be found in that neck of the woods. German is scheduled from 0515-0000 on 6090 KHz but is sometimes heard as early as 0400 sign on. English is slated from 0000-0230 also on 6090 which has proven to be a good frequency. Programming often consists of pop music and hard rock.

\* GRENADE (WINDWARD ISLANDS) The newly independent Caribbean country of Grenada broadcasts to her neighbors and the world on a number of shortwave frequencies over Radio Grenada. Tune to 15105 around 2100 to hear Radio Grenada. Sign off time varies, and Radio Grenada has been noted running as late as 2230 on 15105. The frequency of 5015 may be heard around 2215 til sign off 0000 variable. After 5015 closes down, retune to 3300. This 90 meter band outlet runs as late as 0245, all with a variable sign off time. Signals are often S-9 plus and programming often contains pop music and, when in season, cricket matches may be heard. The announcers for Radio Grenada are British accented and in addition, the station relays the BBC news. Therefore, don't think that you are listening to the BBC when indeed you have a very fine catch from the warm, tropical island nation of Grenada.

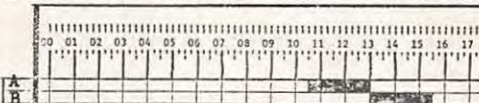
## LISTENER'S NOTEBOOK SPECIAL PROJECT - NUMBER III ... DX PROGRAMS

One of the easiest ways, and an enjoyable and entertaining way additionally, to eavesdrop on the current happenings of the shortwave listening hobby is to tune to a DX Program broadcast by many shortwave stations. Program material of course varies from station to station. Some stations air only DX tips while other stations are more entertaining and broadcast not only tips but also interval signals of various other shortwave stations, discussions, interviews, technical courses, and musical selections. However, some stations have programs which they call a DX Pgm but proves to be merely a mailbag show or is ham radio oriented. Material for portions of some DX Programs comes from some club bulletins. For instance, NASWA member Glenn Hauser aires the monthly North American - Report on the Radio Nederland DX Juke Box and often uses FRENDX and SPEEDX as references. Also NASWA member Gregg Calkin does the Asian Report over the Radio Nederland DX Juke Box. Radio Australia often aires tips provided by the Australian Radio DX Club which is headed by Bob Padula, who, by the way, is also a NASWA member. The aim of "Listener's Notebook-Special Project Number III" is to help you easily find that DX program you want to hear. The frequencies have not been listed due to the constantly changing schedules of various broadcasters. For easy frequency reference, please refer to "English Language Programs to North America", FRENDX - December, 1973; "Log Report", "Listener's Notebook", the WRTH, and of course - to various DX Programs. A special thanks goes out to Charley Wootten, Mike Ross, and Larry Talbot for their monitoring for this special project. Happy Listening!

SUNDAYS	MONDAYS	TUESDAYS	WEDNESDAYS
0030-Ecuador, HCJB, DX Party Line, EE to NA	0015-Japan, RJ 0020-Norway, R Norway, 1st Mon, EE to Eur	0030-Ukraine, R Kiev, R Kiev DX Club	0000-Sweden, R Swed., Sweden Calling Dkxrs
0100-Switzerland, SBC, Swiss SW Merry-go Round, 2d & 4th Sun	0040-Belgium, RTS, DX-Corner, EE to NA	0100-Czech, R Prague	0015-S Africa, R RSA, DX Corner
0230-Ecuador, HCJB, DX Party Line, EE to NA	0100-Czech, R Prague	0215-Portugal, R Port, R Safari/DX Club	0100-Sweden, R Swed., Sweden Calling Dkxrs
0300-Finland, R Finland, DXers Calling	0200-Japan, R Japan	0300-Ecuador, HCJB, DX-Party Line	0200-Sweden, R Swed., Sweden Calling Dkxrs
0430-Australia, RA, DXers Calling	0215-Australia, RA, DXers Calling, to NA	0300-Ukraine, R Kiev, R Kiev DX Club	0245-Hungary, R Budap't
0730-Austral., to UK	0215-Portugal, R Port., R Safari, to NA	0315-Portugal, R Port, R Safari/DX Club	0330-Sweden, R Swed., Sweden Calling Dkxrs
0810-Japan, R Japan, DX Corner, to Afr	0245-S. Africa, R RSA	0400-	0515-
0815-BEC, World R Cl.	0300-Ecuador, HCJB, DX-Party Line	0445-E Germany, RBI, alt Tue's, to Afr	0545-New Zealand, RNZ, 1st Wed, Arthur - Cushing's DX World
0900-Internat'l Water, R. Nordsee Intn'l	0400-Portugal, R Port, R Safari	0645-	0800-S Africa, R RSA
0930-Portugal, Advent-1st World Radio, EE to Eur	0400-Portugal, R Port, R Safari	1100-Sweden, R Sweden, Sweden Calling Dkxrs	0930-Hungary, R Budap't
0945-Portugal, Vellope	0530-Ecuador, HCJB, DX-Party Line, EE to S Pac	1220-	0900-S Africa, R RSA
1000-Japan, R Japan, 1010-	1400-Portugal, R Port., R Safari	1400-	1030-New Zealand, RNZ, 1st Wed, Arthur - Cushing's DX World
1030-	1830-	1600-	1130-BEC, World R. Club
1300-Australia, RA, DXers Calling, EE to NA	1915-	1615-Hungary, R Budap't	1500-Czech, R Prague
1410-Japan, R Japan	1930-Ecuador, HCJB, DX-Party Line, to Eur	1830-Sweden, RS, Sweden - Calling Dkxrs	1600-S Africa, R RSA
1420-Norway, R Norway to Africa	1930-Romania, R Buchar't	2000-E Germany, RBI, alt Tue's, RBI DX-Club	1800-
1530-Australia, RA	2100-Portugal, R Port., R Safari, to Eur	2045-Sweden, RS, SGDX	1930-
1640-Japan, R Japan	2255-Belgium, RTS, DX-Corner, to SA in EE	2245-	2100-Romania, R Buchar't
1755-Japan, R Japan EE to Eur & Afr	2300-Portugal, R Port., R Safari, EE to Eur	2245-Hungary, R Budap't	2200-Czech, R Prague
2040-Japan, EE to Eur			2300-S Africa, R RSA
2310-Japan, R Japan			
THURSDAYS	FRIDAYS	SATURDAYS	
0045-Bonaire, TWR, EE-to Eur/Far East	0215-Bonaire, R Ned, R Ned DX Juke Box	0000-Bulgaria, R Sofia	0100-Canada, RCI, R Can, SW Club
0100-S Africa, R RSA	0230-Ecuador, HCJB, DX Party Line	0100-Czech, R Prague	0145-Switzerland, SBC, 2d & 4th Sat, Swiss-SW Merry-go-round
0130-Romania, R Buchar't	0515-Bonaire, R Ned, R Ned DX Juke Box	0145-Hungary, R Budap't	0245-Hungary, R Budap't
0300-	2100-Romania, R Buchar't	0300-Finland, R Finland, DX Corner	0300-Finland, R Finland, DX Corner
0430-	2130-Bulgaria, R Sofia	0300-Czech, R Prague	0415-Monaco, R Monte Carlo, Calling Dkxrs, to NA
0642-Holland, R Nederl'd R Nederland DX - Juke Box	2245-Romania, R Buchar't	0430-Switzerland, SBC 2d & 4th Sat, Swiss-SW Merry-go-round	0430-Switzerland, SBC 2d & 4th Sat, Swiss-SW Merry-go-round
0812-	2315-BEC, World R Club	0700-	0900-
0942-		0930-Monaco, R Monte Carlo, Calling Dkxrs, to Eur	0930-Ecuador, HCJB, DX Party Line, to S Pac
0930-Ecuador, HCJB, DX-Party Line, to S Pac		1215-Canada, RCI, R Can, SW Club	1400-Finland, R Finland, DX Corner, to NA & SA
1400-Sri Lanka, EE to As.		1745-Seychelles, FBC, every 2d Sa	1800-Finland, R Finland
1412-Holland, R Ned., R Ned DX Juke Box		1820-Canada, RCI, RCSWC	1820-Canada, RCI, RCSWC
1840-		1930-Ecuador, HCJB, DX Party Line, to Eur	1930-Ecuador, HCJB, DX Party Line, to Eur
1930-Ecuador, HCJB, DX-Party Line, to Eur		2030-Finland, R Finland	2100-Switzerland, SBC, 2d & 4th Sat's, SSWMR
2030-BEC, World R Club		2125-Canada, RCI, RCSWC	2130-Australia, RA, DXers Calling
2130-Holland, R Ned, R Ned DX Juke Box		2200-Turkey, VoT, Album of Turkey, fortnightly to Eur	

AFGHANISTAN Radio Afghanistan

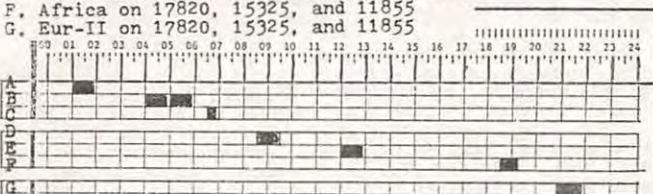
(A) 15190; EE 1130-1200 to Eur  
 (B) 4775; EE 1400-1430 to S Asia  
 (by permission, BBCMS)



BANGLADESH The latest sked for Radio Bangladesh in Eng at 1230 on 15530 // to 11650. (QSL Editor, Larry Yamron, PA)

CANADA A sked directly fm Radio Canada International rpts Eng fm RCI to

A. NA-I & Caribbean 11940, 9755, 6085  
 B. NA-II & III on 9655, 6135  
 C. Eur-I on 6125 and 9685  
 D. S. Pacific on 9625 and 5970  
 E. NA-IV & Caribbean on 5970, 15315, 11825  
 F. Africa on 17820, 15325, and 11855  
 G. Eur-II on 17820, 15325, and 11855



CHILE The Santiago domestic service reported on 30th January that the Armed Forces and Carabineros radio station in Concepcion, formerly Radio University of Concepcion, has begun broadcasting programmes in English and Spanish, especially intended for Central Europe and America, every day from 2300-2400 in the 49 metre-band. According to the announcement, these broadcasts are aimed at counteracting the propaganda campaign conducted by international communism to distort the situation in Chile. The director of the new service said that the programmes will be improved and expanded to include broadcasts in French and German "within a few days". \* (Radio University in Concepcion operated on 6135 kHz). (by permission, BBCMS)

CHILE The V. of Chile will shortly be b/c on a greater number of freq's, and is studying the possibility of b/c'ing simultaneously in two or more lang's. Vof Chile is sked'led fm Mon to Sat at 2030-0500 & 0900-1100.

The freq's listed are 6190, 9510, 9590, 15150. They b/c 20 min pgms in the order of AA, RR, GG, Italian, FF, EE, SS. Rpts are requested to The Voice of - Chile, Casilla 244-V, Santiago, Republic of Chile. Be sure to rpt in SINPO, as requested by the station!! (vy gud Bill...Bill Paschke, WI)

CLANDESTINE The V. of the National United Front of Cambodia has recently added a new freq - 10120 (hrd by ye ed in VA) - to its xmsn sked. VNUFC is a Cambodian lang clandestine currently b/c'ing fm 0001-0200, 0400-0500, 1100-1200, & 1300-1400 on 12006, 10120, 10080, 9985, 7015 & 4675, (BBCMS)

CLANDESTINE The anti-Iranian Clandestine sta, Radio Khorush is sked'led fm 0230-0330 & 1930-2030 in Persian on 7100. (by permission, BBCMS)

COLOMBIA La Voz del Huila, Neiva, noted daily on 6150; sked apparently 1000-0500. Member of the Super Radio network. (Dr. Richard Wood, LA)

DOMINICAN REPUBLIC The international service of RTV Dominicana, Santo Domingo, is active again and is beamed to Dominicans abroad. Observed fm 2300-0400 on 9505. (bueno Richardo, Dr. Richard Wood, LA)

ECUADOR Radio Turismo, Otavalo, noted signing off on 3240 at 0415 w/full ID but no anthem. Pwr appears more than 200 watts per WRTH. (Dr. R. Wood)

EGYPT Radio Cairo in EE to

N Amer	0200-0330 on 9475	TO E,C,S, Afr	1730-1845 on 17655	NEW ADDR.
Eur	2145-2300 9805	West Afr	2030-2200 17725	for R Cai.
S Asia	1315-1430 17920	(Lou Buehler, MO)		P.O. Box
		(Charles Wootten)		566
				Cairo, UAR

ESTONIA Tallinn: The Foreign Svc on 6085 is sked'led on weekdays in Finnish at 1215-1300 & 1900-1930 and on Sun's at 1100-1215; Swedish at 0005-0035; Estonian fm 0035-0105. (Charlie Wootten, Morocco)

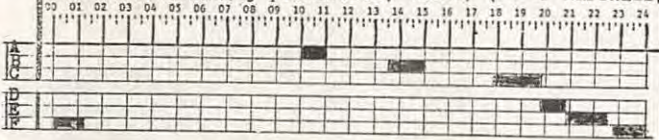
FRANCE ORTF now b/c's to NA & Pacific fm 0600-0730 on 6095, 9620, 9585, and 11845; to St-Pierre & Miquelon (NA) at 1030-1140 on 9620, 1150-1710 on 15120, and 1725-2315 on 9620. (thanks Dave ... David Walcutt, IL)  
 ORTF in Eng to Afr fm 0515-0545 and 1030-1115 on 7175, 9710, 9680, 11860, 15155, 15295, 15190, 17720, 17730, 21500, 21580. (Lou Buehler, MO)

GERMANY, FED REP Deutsche Welle, Koln, makes the following changes to its sked: to NA in GG fm 1400-1420, 11905 replaces 17830; in EE at 0130-0250, 6010 is deleted. (Dr. Richard Wood, LA)

GREECE A new 250 KW xmtr b/c's in French at 1900 til 1950 on 9630. (Which Grrek station is this Charley?) (Charlie Wootten, Morocco)

INDIA All India Radio from Delhi is sked'led from

- (A) GOS to NE Asia & Australasia on 17775, 17385, 15205, 15190  
11775, 11725  
(B) GOS to SEA on 15335, 11810  
(C) GOS to E Africa, UK, & W Eur to 15080, 9575, 9525, 7215  
(D) to N, W Africa, UK, W Eur on 11880, 11620, 9912, 9755, 9525, 7215  
(E) GOS to UK, W Eur, Australasia on 11740, 11620, 9912, 9525, 7260, 7215  
(F) GOS to NE, E Asia & SEA on 11945, 11710, 9565, 9530, 7235, 7215, 7125, 3905  
.....(by permission, BBCMS) (Larry Marshall, Calif)



INDONESIA Radio Angkatan Udara has been taken over by the Indonesian Army. The new name therefore is Radio Angkatan "Bersingata" (approx spelling-ed). The sked is 2300-0200, 0500-0800, and 0900-1700. No freq's given. (Maybe 11323 will open up again-ed.) (Radio Nederland's DX Juice Box) Gregg, Victor?

INTERNATIONAL WATERS The New Zealand Media Organization will operate a seaborne radio station off the coast of Tahiti this year during the period of the French atomic bomb tests. This will probably be around June and August. The purpose of the station is to explain to the French Polynesians the reasons for protesting against the tests. The freq's are not yet known. (very interesting Charlie, keep us posted ... Charlie Wooten, Mor.)

ISRAEL EE lang b/c's fm the IBA are fm 0500-0515 on 15100, 11725, 10250, 9785, 9495, 9009, 7095, 6205; fm 1130-1200 on 17710, 15130, 15100, 10250; and fm 2000-2045 on 15100, 15245, 10250, 9785, 9495, 9009, 7095, 7280, 6170, 6205. The b/c's are beamed to Eur, NA, and Africa. (Julian Kratter, NY)

JORAN Radio Amman beams Eng at 1600-1700 on 9560. (Fritz Buettnr, ADDX-Kurier, via Richard Schwartz, DE)

MALAGASY Radio Television Malagasy lists in its latest sked Eng in the Internat'l Svc fm 1500-1600 on 17730, 7105, 6170, 3288. There is also some French in this b/c. (thanks Frank...Frank Orcutt, NY)

MEXICO XEQM, The Sistema Radio Yucatan station at Merida on 6107v has adopted a largely rock music format and with his sister MW station XEMQ on 1240 now ID's as "Tus Panteras Juveniles" (Your Young Panthers). The station advertise they feature "Armonia, Amor y Rock" and hours of b/c's are fm 1200-0500. The address is Publicentro de Merida, Calle 62 No. 526 and the V/S is Luis de Sales Cob Estrella, Jefe de Personal. (DXer Al Sizer)

MOROCCO Radiodiffusion Television Marocaine offers the following sked:  
From SEBAA AIOUN ... (A) 6190 & 7115 in AA (B) on 7225 in French  
From TANGIER ..... (C) 9610 in AA... (D) 15360 in AA... (E) 6170 in AA  
(F) 11735 in AA (Chuck "QRF" Rippel, Virginia)



NEW ZEALAND Radio New Zealand b/c's to the Pacific Islands from 0600-0845 on 9540, 11780; 1700-1945 on 9755, 11780; & 2000-0545 on 15110. To Australia fm 0900-1145 on 9520, 11705; 2000-0545 on 17770. (Lou Buehler)

PERU Radio Samaren, Iquitos, using slogan "LV de la Selva Peruana", noted signing off w/full ID and anthem at 0445 on both 4815 and 9770. They s/on again at 1030. LV de la Selva, Iquitos, not to be confused with the above, ances AM, FM & SW and s/off w/anthem at 0505 on 4825. (vy interesting Richard...Dr. Richard Wood, LSU, LA)

SIERRA LEONE Radio Sierra Leone is the new name for Sierra Leone B/c'ing Svc. (Charlie Wooten, Morocco)

SOUTH AFRICA As a result of "a deployment of transmitters", Radio RSA will effective May 5, 1974, shorten Eng lang transmission to NA (presently 2230-0240) and suspend EE to Australia and New Zealand, Dutch and German to Eur, and French to Canada. This may be associated w/the previously announced plan to introduce Spanish and Portuguese transmissions to Latin-America, which have reportedly tested in the interim, although this was not mentioned in the Radio RSA release. (thank you Richard. R. Wood, LA)



## LANGUAGE SCHEDULE FOR SOUTH ASIA

ET	Frequency
0130 Hindi (Su - F)	
0200 Malay (Su - F)	11.775 MHz (17.45 m)
0230 Punjabi (Su)	
0245 Urdu	
0330 Telugu (Su - F)	11.785 MHz (17.46 m)
0345 Tamil (Su - F)	
0415 Hindi (Su - F)	
0430 Malay (Su - F)	
0515 Tamil (Su - F)	
0530 Hindi (Su - F)	

0600 English	11.795 MHz (17.45 m) and 23 meters band (17.45 m) to be announced
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0730 Persian (Su)	
0745 Urdu (Su)	
0815 Hindi (Su)	
0830 Urdu (Su)	
0915 Sinhalese	11.755 MHz (17.45 m)
0945 Tamil	and 75 meters band (17.45 m)
1030 Bengali	to be announced
1100 Sinhalese	
1145 Persian (Su - F)	
1200 Urdu (Su - F)	
1215 Hindi (Su - F)	
1230 Urdu (Su - F)	
1315 Persian	
1330 Hindi	
1345 Urdu	
1400 Sinhalese	
1415 Urdu	
1430 Hindi	
1445 Urdu	
1500 Sinhalese	
1515 Urdu	
1530 Hindi	
1600 Sinhalese	

## FOR IRAN, ETHIOPIA AND THE MIDDLE EAST

1330 Persian	11.755 MHz (17.45 m)
1335 Urdu (Su)	11.765 MHz (17.45 m)
1345 English	
1350 Urdu	
1355 Sinhalese	

some countries (and some US Post Offices) - this also invalidates the IRC. Maybe some failures to obtain veri's and QSL's can be traced to faulty IRC's. (Perry Ferrell, Gilfer Associates, NJ)

Title 39 of the Federal Register, "Postal Svc Manual", Art: 21.3(e)(4) states in part: "Properly postmarked international reply coupons issued

**SOUTHERN YEMEN** Aden Radio has announced that the second of two new 100 kw short-wave transmitters was commissioned on 31st January and brought into service on 1st February. Located at al-Haswah, the transmitter operates on 7190 kHz and radiates the Aden home service in parallel with 5860 kHz. Announcements state that it is beamed to "the northern hemisphere and some areas of the north Arab Peninsula".

in other countries are exchangeable at US post offices for postage stamps, aerogrammes, post-cards or envelopes at the rate of cents each. The p.o. exchanging a foreign coupon postmarks it in the right hand circle of the old style coupon or the lower circle of the new style coupon. Foreign coupons not properly postmarked by the foreign p.o. may be exchanged if there is no apparent reason to doubt their authenticity. Post offices must not accept foreign coupons that already bear a US postmark." (via Ed Shaw, VA)

And that is about it for another LISTENER's NOTEBOOK. A hardy word of thanks is extended to all of our contributors for their valuable contributions to LN. We are looking forward to receive some material from YOU! Schedules, observations, tid-bits, and general information are always welcome. Please, all times in GMT. If you desire the return of your sked, please enclose SASE.

**SPAIN** Radio Nacional de Espana broadcasts English to the US and Canada from 0100-0345 on 6065 and 11925 (Corky Webb, TX)

**TANZANIA** The Swahili network fm Dar-es-Salaam is now on 4825 -ex-5985 fm 0300-0700 and fm 1430-2100. The external svc in EE is now fm 0900-1100 on 9750 1600-1700 on 6105 1600-1830 4785 1700-2015 15435 (Charley Wootten, Morocco) (alt.11585)

**TURKEY** A new station belonging to the Istanbul Police began operations for the new year on the annnc'd freq of 6325. Pgm's are in Turkish and are mainly of Turkish music. The sta has been hrd fm 0900-1000 and fm 1400-1500. (thanks Charley ...C.Wootten)

**USSR** Radio Moscow: For those SWL's and DXers who are also interested in stamps, Mrs. Eugenia Stepanova of the NA Svc sends word that RM uses a postal meter only for mass dispatches of frequency and pgm changes; with stamps being used on replies to personal correspondence. (Jimmy Jones, TN)

**ETC. - WATCH THOSE IRC'S** Last year Gilfer received 62 IRC's fm overseas that were refused by the US Postal Svc. The refusal stemmed fm the fact that the 62 had no postmark of the issuing post office, the IRC is assumed to be a forgery! With about 15% of Gilfer's IRC's being refused, the thought occurred that it might be a good idea for all DXers to be sure that any IRC's issued bare the appropriate postmark - don't accept IRC's that have not been postmarked. Also, don't accept IRC's that had the issuing postmark in the lower right hand circle - in

73 and Happy Streaking ...thru the bands!

*Alan*

# QSL REPORT



## EDITOR:

Larry Yamron  
P.O. Box 5103  
Pittsburgh, Pa.  
U.S.A. 15206

DEADLINE: 10th of month.

-QSLs RECEIVED APRIL 1974-

**NEW EDITOR FOR SCOREBOARD!** Due to time problems I can no longer edit SCOREBOARD. I'd like to welcome Neal Perdue as new editor. Best of luck Neal!

SCOREBOARD ADDRESS: Neal Perdue

4902 S. Bilrae Circle  
Millington, Tenn.  
U.S.A. 38053

Next deadline for SCOREBOARD is  
May 10th. Spotlight is OCEANIA.

NEW POSTAGE RATES IN EFFECT! Air mail to Caribbean, Central & S. America-21¢ per ½ oz. Air mail to all other countries- 26¢ per ½ oz.

WHERE TO SEND THOSE REPORTS DEPT: The new international svc. of "Voice of Chile" requests reports and comments. Address: P.O. Box 244V, Santiago.  
WYFR, 290 Hegenberger Rd., Oakland, Calif. 94621----- Letters addressed to Radio Peking must read Peoples Republic of China on envelope or letter will be refused. Letters labeled Confucius no matter how addressed will be returned. hi.

HOWZ THAT? OR BELIEVE IT OR NOT DEPT: Dxr John Creamer reports a QSL from Radio Tahiti in 15 days!!!!

Please! When reporting to QSL REPORT print your last name at the end of each item and use only one side of the paper. Illustrations still needed for use in this section.

Many rare and interesting verifications received this month. Ernst Lohe of Hamburg, Germany has received QSLs from ORTF Djibouti and Radio Maldives. Ace Dxr Scott Reeves reports a verie in from Aden, Yemen. In Asia, Bangkok Meteorological Station has been verified by Al Sizer of Conn. Nice catch Al!..ed. Gerry Dexter reports verifying the rare Angolan, Radio Clube de Malange. Other QSLs of interest are: Radio Valleri, Ireland, verified by A.E. Martin, England, R. Quillabamba, R. Baku, and many interesting Latins.

AFARS & ISSAS: ORTF, Djibouti, full data folder card in 19 days air for FF report and 2 IRCs. (Lohe)

ALBANIA: R. Tirana, black/white folder card in 5 months for 2 f/ups, no return postage. (Guarducci)

ALGERIA: RTA, 11715, card and sked. in 2½ months for mint stamps. (Bowlby)

ANGOLA: R. Clube de Malange, 4966, card in 14 months after f/up. V/S. illegible but said to say hello to "Good Dx Friends". (Dexter)

ARGENTINA: RAE, 11710, full data card in 107 days. (Peraaho)

AUSTRALIA: R. Australia, 11840, '73's in '73's' card w/all data in 72 days, no return postage. (Crompton)  
VLW9, 9610, full data card in 51 days.

(Werner) 9610, card in 6 weeks air for 1 IRC. (Wilson)

AZERBAIJAN S.S.R.: R. Baku, 4785, paper QSL w/all data and post card, registered mail for Farsi report and no return postage. (Reeves) paper QSL w/all data and post cards in 4 months for Farsi report w/tape. 189 VIC! (Henderson) great catches gentlemen!..ed.

AZORES: Emisora Regional, 4865, full data 'Ship' card in 38 days air for 2 IRCs. (Schwartz)  
'Ship' card w/all data in 64 days for 1 IRC. (Gavaras)

BELGIUM: ORU, 6055, map card, news letter and sked. in 26 days, no return postage.

(Brooker) 9655, card w/all data, sked. in 27 days air. (Hunt)

BOUGAINVILLE IS: R. Bougainville, 3322.5, QSL folder in 1 month for 3 IRCs, U.S. cancelled stamps. from station manager. In response to my telling him th tempeture was -35F he says the temperature was +87 F. (d'Adolph)

BRASIL: R. Guarani, 6175, card in 3 months for PP report and mint stamps. (Guarducci)  
R. Nacional de Brasilia, 15445, card, pennant, and letter in 2 months air for mint stamps. (Bowlby)

BRUNEI: R. Brunei, full data map card and sked. 1 month for 3 IRCs. (Yamron)

CAMEROUN: R. Yaounde, 4972, map card w/all data in 56 days air for NASWA FF report and 1 IRC. (Gavaras)

R. Buea, 3970, full data map card in 70 days from Buea. (Henderson)

R. Garoua, 5010, map card in 23 days air for NASWA FF report and 1 IRC. (Gavaras)

CANADA: R. Canada Int. 6155, 'Speaking To The World' card w/all data in 1 month surface (Meehan) 6085, card in 19 days air, no return postage. (Lobdell) 11860, full data card in 23 days for no IRCs. (Rockwood) card in 20 days, no IRCs. (Brooker) 20 days air. (Paschke)  
CBC Northern Svc. 9625, 'Ploar Bear' card in 21 days, no IRCs. (Brooker) Eskimo card in 16 days. (Marshall)

Over and Out by rodrigues



CANADA: BBC relay, 9740, card and sked. in 42 days air for 1 IRC. (Gavaras)

CFRX, 6070, painting card in 11 days for stamp. (Meehan)

CKFX, 6080, full data letter and personal note from station president. (Henderson)

CHILE: La Voz de Chile, 6195, nice postcard w/all data in 22 days for SS report and mint stamps. (Koret)

R. Portales, 9570, SS verie letter from V/S. Raul Tarud Siwady, Gerente Gen., 1 month for mint stamps. (Brown) SS letter from above V/S. in 24 days for SS report and mint stamps. (Marshall)

CAPE VERDE IS: R. Barlevento, second card for 3930, requests reports. 3 weeks. (Martin)

CHINA P.R.: R. Peking, 11965, 'Landscape' card, sked., pennant, and calendar in 33 days no return postage. (Brooker) card in 19 days air. (Paschke) full data card, pennant in 54 days. (Hunt) card and pennant in 30 days. (Martin)

CLANDESTINE: R. Buzkadi, 13219, map card w/freq. and time in 105 days for EE report, 1\$ and IRCs. (Koret) 13080, card from Paris w/date, time, freq. in 3 1/2 months. States power as 80 kw. (Henderson)

R. Libertacao, 6240, FF verie letter from V/S. Jose Aravjo, 73 days for NASWA FF report and 3 IRCs. Also sent card, literature. (Gavaras)

R. Hit International, 6250, full data card from V/S. Mike Paul. Sent via Germany in 10 weeks. Sez power is 15 watts! (Martin)

R. Valleri, 6317, full data card in 10 days. (Martin) See QSL below..ed.

## RADIO VALLERI QSL CARD

Date: 4/2/74

This card confirms that A. E. MARTIN  
of 44 WOODLANDS ROAD, SE HELENS, LANCASHIRE  
heard Radio Valleri - a free radio station broadcasting with a  
power output of 40 watts from Dublin, Ireland - on a  
frequency of 6317 kHz from 12.55 to 13.42 hours  
GMT on 13th January 1974.

Many thanks for your report which we found most helpful.

For: Radio Valleri

Derek Jones (D.J.)

COLUMBIA: La Voz del Llano, 6115, sent letter, bumper sticker in 30 days for SS report and mint stamps. (Koret)

La Voz De Huila, 6150, letter and pennant, tourist info. in 30 days for SS report and mint stamps. (Guarducci)

R. Colosal, letter in 5 weeks from V/S. Jorge Enrique Sanchez, Dept. Artístico, for SS report and 1 IRC. (Barto) form letter w/all data, pennant, in 37 days air for SS report and mint stamps. (Paschke) verie letter w/all data and tourist info. in 1 month for mint stamps. (Used) also sent pennant. SEE Below. (Brown)

COSTA RICA: TIPC, 9645, full data card, letter, 22 days air for 1 IRC. (Hunt)

R. Casino, long green card w/all data, green/white pennant, 13 months air for EE report and 2 IRCs. QSL sat at station for full year!! (Reeves) probably taking their siestas..ed.

CZECHOSLOVAKIA: R. Prague, 11990, 'medal' card in 94 days. (Hunt)

Astronomicky Ustav (Astronomical Institute) 3170, black/white card w/date and power, sked, 20 days air for EE report, 2 IRCs. (Reeves)

CUBA: R. Havana, 9525, full data card in 4 1/2 months air, sked. (Meehan) 11930, full data card in 7 months. (Wilson)



Radio Colosal

LA MAS POTENTE RADIO DIFUSORA DEL MUNDO

DENMARK: R. Denmark, 15165,

'Radiohouse Aerial' card w/all data and Danish sked. in 39 days, no return postage sent. (Brooker) 15165, full data card in 9 weeks

air for 1 IRC. (Wilson)

ECUADOR: HCJB, 9560, 'Oil In Ecuador' card, sked. in 4½ months. (Meehan) 11915, card w/all data in 46 days air for 2 IRCs. (Peraaho) card in 22 days airmail, 2 IRCs. (Paschke) card in 37 days, 2 IRCs. (Marshall) 36 days air, 2 IRCs. (Hunt)

EUROPEAN S.S.R.: R. Station Rodina, full data card from Moscow w/site in 6 months surface. (Reeves) 15145, full data card in Russian in 2 months. (Orcutt)  
R. Moscow via-Sverdlovsk, 7150, card in 1 month. (Barto)

FINLAND: R. Finland, 15185, 'Winter In Finland' card w/all data in 15 days, no return postage. Also sent sked. and great circle map. (Lobdell)

FRANCE: O.R.T.F., full data card and pennant, letter apologizing for delay from V/S. A. Bayle. 5 months air. (Pino) seems that O.R.T.F. is always apologizing!

FRENCH GUYANA: O.R.T.F. Cayenne, 4972, FF letter w/date and freq. in 33 days air for EE report and 1 IRC. (Gavaras)



GABON: La Voix de la Revolution, 4777, map card w/all data from V/S. P.T. Katchenko. 31 days for NASWA FF report and 3 IRCs. (Gavaras) card and letter w/all data in 3 weeks for -mint stamps. (Yamron)

GERMANY G.F.R.: Radio Free Europe, 17835, card w/site in 24 days from U.S. office. (Hunt)

GHANA: R. Ghana, 9545, red/gold/green card w/all data, sked. in 55 days air, no return postage. (Schwartz)

GREECE: EIRT, 21460, card and letter in 4 weeks from V/S. A. Casmas, Dir. Tech. Svc., EE report and 1 IRC. (Barto)

GUATEMALA: La Voz de Nahuala, 3360, full data card of mountains, sked. 108 days surface for 1 IRC. (Schwartz)

GUYANA: CBS, Action Radio, 3390, letter w/all data in 12 days air for no return postage. (Price)  
R. Demerara, 3265, studio card w/no data, 15 days for 2 IRCs. (Koret)

HAITI: Radio 4VEH, 11835, card and sked. in 1½ month for 3 8¢ U.S. stamps. (Bowlby) card w/all data and sked., 36 days air for 3 8¢ U.S. stamps. (Peraaho) full data card in 9 weeks for 1 IRC. (Price)

HONDURAS: R. Progreso, 4920, SS letter and pennant in 18 days air for 2 IRCs. (Peraaho) letter w/date and time in 15 days for 1 IRC. (Price)

HUNGARY: R. Budapest, 6165, full data card w/wrong freq. in 7 weeks, no return postage. (Rockwood)

INDIA: All India Radio, 9515, full data card in 6½ months after 3 f/ups w/IRCs. Total time 2 years. (Orcutt)

AIR-Madras, 4920, full data letter in 1 month air for 3 IRCs (returned) V/S. D.P. Ramachandra. (Bowlby)

INDONESIA: Celebes- RRI Ujung Padang, 4719, card w/no time and personal letter in 25 days registered airmail. (Bowlby) two letters and cards for 1 report! came registered air in 1 month for EE report and post card. (Yamron)

Sumatra- RRI Banda Ateh, 4955, letter air in 1 month. (Dexter)

INTERNATIONAL WATERS: R. Nordsee Int., no data card in 4 months air, no IRCs. (Price)

IRAN: R. Iran, 15084, full data card in 4 months registered mail for mint stamps. (Bowlby) 9022, card and pennant in 4 weeks. (Martin)

IRAQ: R. Baghdad, 9745, letter w/full data, 3 f/ups to attache in D.C., 121 days surface, 2 IRCs. (Schwartz)

ISRAEL: IBA, 12050, card and sked. in 4 weeks. (Martin) full data 'Menorah' card in 2 weeks air, no return postage. (Rockwood)

ITALY: RAI, 9525, card in 5 months surface mail. (Meehan) please give more details..ed.

IVORY COAST: R. Abidjan, 11920, 'SWL' card w/all data in 39 days air for NASWA FF report and 1 IRC. (Gavaras) full data card in 42 days for EE report, 1 IRC. (Werner)

JAPAN: NHK-R. Japan, folder card w/freq. and date in 2 months for no IRCs. (?) 15105, card w/date and freq. in 12 days air, no return postage. (Lobdell) 15105, 'Living Room' card in 11 days, no IRCs. (Paschke) card in 15 days for mint stamps. (Marshall) card in 3 weeks. (Brooker)

Far East Network-FEN, 3910, blue/white card in 19 days no IRCs. (Crompton) full data card in 12 days air. (Peraaho)

JORDAN: R. Amman, 7155, 'Camel' card, sked. in 40 days air for 1 IRC. (Gavaras)





Edificio Astor Ser. Piso  
Teléfono 2020  
Casilla 1009

C.P. 80 - C.P. 106 - C.P. 15  
ESTACIONES RADIODIFUSORAS

"Litoral" Ltda.

COCHABAMBA - BOLIVIA

Onda larga 1510 Kc.

Onda corta 5825 Kc.

FM - 91 - Mc.

Cochabamba, 6 de Julio de 1967  
Gcia. 01/07

Señor  
Edwaro C. Shaw-WP24JHP  
2401-Brambleton Ave., S.W.

Distinguido amigo:

Ha sido para nosotros muy gratísimo el haber recibido su carta-informe sobre la calidad de recepción de nuestras emisiones en 5.025 Kc. de nuestro CP.106.

Su report es correcto, por lo que nos permitimos confirmarle, su atención al mismo tiempo que le agradeceremos infinitamente por la labor de éince que Ud. hace en su condición de Radio-aficionado.

Aprovechamos la oportunidad para hacerle conocer, que nuestro transmisor de onda Corta CP.106 es de construcción nacional, es un hemos empleado diferentes lamparas importadas; el constructor un joven tecnico de 27 años que responde al nombre de Guillermo Barriga.

El equipo es de 1.000 Wts, usa 4 lamparas 4-100, atiendo de estas 2 de modulación y las otras 2 de salida.

Con este motivo, saludamos a Ud. con toda atención.

p. ESTACIONES RADIODIFUSORAS "LITORAL"

Marcos Grgón E.  
Gerente.

LIBERIA: ELWA, 11940, full data 'Drummer' card in 6 months, no IRCs. (Price)  
LUXEMBOURG: R. Luxembourg, 15350, full data card in 3½ months sea mail. (Bowlsby)

MALGASY REP: RTV Malagasy, 17730, no data thank you card w/photo of broadcasting house, 1½ months for EE report and mint stamps. (Orcutt)

MALAYSIA: R. Malaysia, 4845, full data folder card in 1 yr. air. (Reeves)

MALDIVES: R. Maldives, full data card and tourist info. in 26 days registered airmail for EE report and mint stamps. (Lohe)

MARTINIQUE: O.R.T.F., 4895, 'Beach' card w/all data from V/S. L. Larrieu, 30 days for EE report and 1 IRC. (Gavaras)

MEXICO: XEQM, 6105, Merida, which now with its MW affiliate ID's as "Panteras Juveniles", sent verie letter, post card, decals, large poster and record of Mayan music, 1½ months for SS report and 2 IRCs. V/S. Luis de Sales Cob Estrella, Jefe de Personal, Calle 62 No. 526, Publicentro de Merida. (Sizer) Fine catch Al!..ed.

MOROCCO: Radiodiff. TV Marocaine, 11735, no data folder card and sked., 86 days for EE report and 1 IRC. (Gavaras) folder card w/no data in 3 months for FF report via NASWA member Charlie Wooten (Charlie is stationed in Morocco..ed) Thanks Charlie! (Reeves)

MOZAMBIQUE: R. Clube de Mozambique, 11780, card w/freq. power and date in 64 days. (Werner)

NETHERLANDS: R. Nederland, 11730, Malagasy Relay Commerotive Map card w/all data in 13 days, no IRCs. (Brooker)

NETH ANTILLES: Trans World Radio, full data card in 1 month, no return postage. (Price) 11815, folder card, pennant and sked. in 96 days, no IRCs. (Hunt)

NEW CALEDONIA: R. Noumea ORTF, 7170, card w/date and time in 66 days for EE report and 2 IRCs. (Word)

NEW ZEALAND: R. New Zealand, 15110, 'World Map' card and tourist info. sked., 4 months sea mail. (Meehan)

NIGER: RTV Niger, 5020, full data map card in 3 weeks for FF report and mint stamps. (Orcutt)

NORWAY: R. Norway, 17800, 'Winter in Norway' card w/all data in 16 days air for 1 IRC. (Wilson) full data card in 1 month, no return postage. (Price)

**RHODESIA:** Rhodesian Brod. Corp. 3306, full data card from V/S. E. McKenzie, 26 days air for 2 IRCs. (Schwartz) 3306, full data card in 3 months for 1 IRC. (Orcutt) 3396, 'Gazelle' card w/all data in 108 days for 1 IRC. (Gavaras)

**PAPUA/NEW GUINEA:** R. Northern District, 2468, QSL letter in 2 weeks for EE report. (Henderson)

**PERU:** R. Del Pacifico, 9675, card in 5 weeks from V/S. Lorne Kliewer, Chief Engineer. Sent SS report, 1 IRC. (Barto)

R. Quillabamba, 5025, personal SS letter from V/S.  
P. Joaquin Barriales, O.P. Director, 3 weeks for tape report and mint stamps, also received pennant. (Lobdell) letter in 2 months for SS report and mint stamps. (Reeves) letter and pennant in 1 month for mint stamps. (Yamron)

**PHILIPPINES:** Voice of Philippines, 9580V, pink card w/date nad freq. in 214 days for EE report and 2 IRCs. (Hardester) full data card in 7½ months, 2 IRCs. (Orcutt)

VOA-Tinang, 15290, card in 33 days. (Guarducci)  
**PORTUGAL:** IERA Radio, 9670, 'Globe' card and pennant in 31 days air for EE report and 1 IRC. (Gavaras)

Radio Free Europe, 15115, blue/white card in 9 days from U.S. office. (Gavaras)  
R. SEIT, 9670, full data globe card in 1 month for EE report, 1 IRC. (Orcutt)

**SENEGAL:** R. Senegal, 11895, full data 'Banjo' card in 13 days air for FF report and 2 IRCs (Pino) 7210, 'Banjo' card in 127 days air for NASWA FF report, tape, and 3 IRCs. (Gavaras) 7210, card in 23 days for FF report, 2 IRCs. (Hunt)

**SINGAPORE:** R. Singapore, 5052, 'Housing Development' card, sked. card had heavy smell of perfume!! 35 days for EE report and 1 IRC. (Gavaras)

**SOUTH AFRICA:** RSA, 11900, 'Tree' card w/all data in 24 days air for 2 IRCs. (Paschke)  
SABC-4790, card w/all data in 20 days air. (Peraaho) card in 2 weeks, sked. and history of SABC. (Rockwood)

**SWEDEN:** R. Sweden, 17710, white/yellow/blue map card w/all data in 15 days for no return postage. (Lobdell) 6035, map card and sked. in 11 days, no IRCs. (Brooker) full data map card in 50 days sae, no IRCs. (Schwartz)



*circuits* **R** **p** **C**

ONDA LARGA		
HOH1	610	Kcs.
HOH2	560	"
HOH3	580	"
HOH4	660	"
ONDA CORTA		
HOH31	9685	Kc.
FRECUENCIA MODULADA		
HOH86	160.0	Meg.
HOH87	88.0	"

**PANAMA, R. de P.**

QSL from the past.....

**TAHITI:** R. Tahiti, 15170, blue card w/all data in 15 days air for EE report, 1 IRC.

(Creamer)

**THAILAND:** Bangkok Meteorology Radio, 7863.5, verie letter, postcards and info. on station, 23 days for EE report and 3 IRCs. (Sizer) most prized! Al...ed.

Thai TV, 7108, full verie letter in 35 days registered air for 1 IRC. (Gavaras) letter w/all data except time via registered air for 2 IRCs. (Orcutt) verie letter in 19 days registered air from V/S. Poonlarp Anamarn, mint stamps sent. (Bowlby)

**UNITED STATES:** WINE, 11775, card w/all data, sked. 2 weeks for 8¢ stamp. (Brown) 17865, card w/all data and sked. in 15 days. (Peraaho)

WYFR, 21525, card in 3 weeks for 1 IRC. (Barto)

Organization Of American States, card w/freq. and date in 51 days for EE report. This program relayed over VOA. (Werner)

**VENEZUELA:** R. Barquisimeto, 4990, card w/all data except time, 70 days for 2 IRCs. 9510, card w/freq. and date in 29 days for 1 IRC. (Werner) (Peraaho)  
 R. Juventud, 4900, card in 3 weeks for SS report and 1 IRC. (Barto) card in 4 weeks. Sez: 10 kw. (Martin)  
 R. Tropical, 4870, verie letter and pennant in 3 weeks air from V/S. Angelo Grasso, Station President. Sent mint stamps. (Yamron)

# ECOS del TORBES

Y. V. O. C. 4.980 Kc.  
 ONDA CORTA - BANDA DE 60 Mts.

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Y. V. T. X. 5.990 Kc.  
 BANDA INTERNAC. DE 49 Mts.

Cable, Telegrafía y Radio  
 "ECOSTORBES"

**YEMAN P.D.R.:** 5060, pink card w/date and freq. in 1 month air for EE report and 3 IRCs. V/S. R.M. Ahmed wrote some AA comment at the bottom. Anyone know AA? Probably just says something about the gas lines we have to stand in! hi. (Reeves) pink card w/date and freq sez power is  $7\frac{1}{2}$  kw., 38 days for EE/AA report and 3 IRCs. V/S. R.M. Ahmed. (Gavaras)

**ZAIRE:** R. Bukavu, 4839, full data letter in 40 days for NASWA FF report. (Henderson)

## SPECIAL THANKS TO THE FOLLOWING MEMBERS FOR THEIR SUPPORT.

Steve d'Adolph, N..Dakota  
 Samuel Barto, Connecticut  
 Jeff Bowlsby, B.C. Canada  
 Jim Brooker, Michigan  
 Mark Brown, Ohio  
 John Creamer, Colorado  
 Doug Crompton, B.C. Canada  
 Gerry Dexter, Wisconsin  
 Henry Pino, New York  
 Tom Gavaras, Minnesota

Ciro Guarducci, B.C. Canada  
 Mike Hardester, California  
 Dan Henderson, Maryland  
 David Hunt, Wisconsin  
 Richard Koret, New York  
 Chris Lobdell, Massachusetts  
 Ernst Lohe, W. GERMANY  
 Mildred Marshall, N. Dakota  
 A.E. Martin, ENGLAND  
 Jim Meehan, California

Frank Orcutt, New York  
 Bill Paschke, Wisconsin  
 Mike Peraaho, Minnisota  
 Byron Price, ?  
 Scott Reeves, Maryland  
 Henry Rockwood, Ohio  
 Richard Schwartz, Delaware  
 Al Sizer, Connecticut  
 Solomon Wilson, Pennsylvania  
 Louis Werner, ?

**LAST MINUTE NOTES:** Please note new DEADLINE for QSL REPORT- 10th of month. Illustrations still wanted for use in this column. Send cards (Clear photocopy or original) if original is to be returned please include return postage.

Radio 4VEH Cap Haitan, Haiti: If airmail return of QSL is requested please include U.S. mint stamps..... Airmail return from stations in Papua/New Guinea 3 IRCs are needed..... Rumor has it that Charlie L. will streak the NASWA convention!!

**INCREASE YOUR QSL PERCENTAGE!** The Art of Verification written by former editor Gregg Calkin is available from headquarters for 50¢. I highly recommend this booklet for the novice Dxer. The 1973 QSL signers list is also available from headquarters for 50 cents..... Comments, suggestions, and questions invited..... See you in Columbus!



Until May Good Dx and 73's,

*Larry*  
 Larry Yamron

THE WORLD OF SHORTWAVE

Columbus, Ohio

July 19-21, 1974

As previously announced, the place for DXers & SWLs to be July 19-21, 1974 is in Columbus, Ohio, at the DX meeting to be held at the NEIL HOUSE. The Neil HOUSE is just across from the state capitol, in downtown Columbus. There is adequate transportation from the airport, the bus terminal is not far away. Our contacts in Columbus tell us that the area has not experienced severe gasoline shortages, as have other areas in recent months. We do not expect that gasoline should be a very significant factor in determining whether to attend this DX meeting.....Indfcations at this time are that the meeting will be well attended, with a good portion of the top DXers in NA there, including many FRENDX editors. ....We had one letter received here wondering why we were arranging a closed meeting, for NASWA only. The answer is that we aren't. All DXers/SWLs are invited. Other clubs are requested to please make note of this fact.

The meeting promises to be an extremely interesting one, for long-time listeners and newcomers alike. You will have the opportunity to meet other DXers, to learn much in seminars, to have a look at the equipment others are using, to examine QSL & pennant collections, to talk DXing, etc., etc.....Plan to be there!

More details next month. But right now, why not fill out the coupon below and mail it to Randy Minnehan, 975 Chestershire Road, Columbus, Ohio 43204. Do it now! That way you won't forget, and we will be better able to make plans for the meeting of 1974...As noted last month, we anticipate a registration fee of about \$10-12. Rooms are \$16 single, \$22 double.(But there may be a reduction if we have enough people there.)

\*\*\*\*\*

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_ I'll definitely be there. \_\_\_\_\_ Am planning to attend

73 from

**NASWA**

BOX 8452

So. Charleston, W. Va. 25303

Address Correction Requested



**FIRST CLASS MAIL**

NASWA membership dues, per annum, are US\$10. Membership in NASWA entitles one to receive each issue of FRENEX issued during the membership year. Members also receive discount prices on many special items offered, including many items available for a self addressed stamped envelope. Watch the pages of FRENEX for these offers. Additional fees for airmailing of FRENEX, per annum, are: In North America, US\$1; in Europe, the Caribbean, Central America, South America, US\$2. In Africa, Asia, Oceania, US\$5. Checks and money orders payable to "NASWA".

Material for the various sections of FRENEX should be sent to the various section editors: For Shortwave Center, Edward C. Shaw, 621 Burleigh Ave., Norfolk, VA 23505. For QSL Report, Larry Yaron, P.O. Box 5103, Pittsburgh, PA 15206. For Log Report, M. R. Leonhardt, P.O. Box 1132, Richmond, Ind., 47374. For Flashsheet, Al Hblack, 420 Shelby St., Vincennes, Ind. 47591. For Clandestine Bulletin, Larry Magne, 1315 Pine Street, Philadelphia, PA 19107. For Listener's Notebook, Dan Jamison, 310 Roanoke Street, Apartment 21, Richmond, Virginia 23225.

Dues and all orders for reprints and special items should be sent to the NASWA headquarters address.