

North American Short Wave Association

F R E N D X

SWBC NEWS 12 - 74

DSWCI TROPICAL BAND SURVEY, 2ND EDITION Some time back we made mention of the second edition of this survey of stations between 2200 and 5900 KHz, available direct from the Danish Shortwave Clubs International. Now we have a good supply of these surveys on hand here in S.Charleston. They are available for \$1.50 (US) to DXers in North America. This survey is a must for anyone tuning the tropical SWBC bands. Write HDQ for your copy.

BOLIVIAN SURVEY Any serious DXer of South American stations will want a copy of the Bolivian Survey, compiled by Tony Jones. This has the most accurate data on Bolivians of any thing we've seen. Available for US\$1 in North America. Overseas for 8 IRCs airmail. Be sure to order today. Order from HDQ.

ENGLISH TRANSMISSIONS TO NORTH AMERICA We expect to have an updated list in the January issue of FRENDX. We've had several offers of help in response to the note in the November FRENDX, and should be able to provide updated versions more quickly in the future.

SPACE is a bit tight this month, so we are holding over till January with several items. Be sure to get your reports in to the section editors. Your support to the sections of FRENDX is very necessary if FRENDX is to continue to provide the best in DX news.

ALPHONSE AND THE MAGIC CHRISTMAS TREE

A crystal clear starry night looking down upon snow-covered landscape. Carolers making their neighborhood rounds. Everything was just as it should have been on that fateful Christmas eve.

Alphonse Humble, his wife and children had, as was the custom in their family, waited until that night to decorate their Christmas tree.

As they put the final touches on the perfectly shaped six foot tree, turned off all but the tree lights and stepped back to admire it, they said, as they said every year, that it was the most beautiful tree they had ever had. Little Suzie said it was so beautiful it must be a magic tree.

The hour was late, and so it was time to sleep. Or hope to sleep what with excited children anticipating an important visitor and an exciting day ahead.

But Alphonse, who had discovered DXing two years previous, decided he would spend a little time tuning his receiver before retiring. Perhaps he could pick up a new Latin station broadcasting late on Christmas eve.

And so it was that Alphonse found himself in his small shack, a converted pantry just off the living room now serving a more important purpose.

The dial lights cast a Christmas-like glow around the small room as Alphonse slowly tuned across the 60 meter band. Suddenly, a faint signal where none was normally heard. A few minutes wait and Alphonse heard a clear ID for "Radio Huacho." Alphonse was delighted! He continued to tune and in the next forty five minutes La Voz del Chofer in Ecuador and Radio San Miguel in Peru popped through his headphones.

Alphonse could not believe his good fortune. He decided to try 90 meters and there---impossibly, unbelievably, was Tristan da Cunha with a Christmas special! Alphonse nearly fainted with delight. He quickly took some notes for a reception report. And then he was thunderstruck by a fantastic possibility.

Making the necessary adjustments he quickly tuned up to 6100 and stopped. His mouth fell open. He felt dizzy. He pinched himself. But he was awake and St. Helena was indeed there!

Alphonse got no sleep that night. Christmas morning was but a blur of flying wrapping paper and a jumble of noise to him. He cared not. He had amassed a list of loggings that would be the envy of every DXer in the world.

Several weeks later, the club bulletins began to arrive containing his reports and numerous nasty editorial comments because no one else had reported such fantastic catches. Days, weeks, months passed during which Alphonse was pounced upon by editors and fellow DXers everywhere for his outrageous claims. Not a day of peace was to be had. Even phone calls and a telegram bombarded the distraught fellow.

But, to his everlasting good fortune, Alphonse had made a practice of always having his tape recorder going during DX sessions so he had all those loggings on tape! And later, when he got the QSLs as well, some of the critics had pause to wonder. Could these receptions have been for real?

Now the leadership of Alphonse's favorite club, being fair-minded fellows, and considering that Alphonse had developed into a stalwart supporter and reporter whose reliability heretofore had never been open to question, decided to sponsor an investigation into the matter. To that end, the club commissioned one of the nation's most brilliant electronic engineers to try and find an answer.

The engineer spent days interrogating Alphonse, making him go over every moment of that fateful period in his life. But the engineer could find nothing whatsoever out of the ordinary. Except that, in erecting his Christmas tree, Alphonse had somehow managed to get the lead-in of his antenna wrapped around the metal tree stand. The tree could have acted as some kind of very effective, low band antenna. But the engineer thought the chance singularly slight. Nor could he explain why these loggings occurred only on Christmas eve and not during the following six days when the tree was still up.

Alphonse, who somehow weathered the storm, talks little of his experience these days. But, when pressed, all he'll say is "My daughter said it must be a magic tree. Maybe she was right. And as everyone knows, the magic of Christmas is pretty much gone by the end of Christmas day. All I know is that I heard what I heard!"

Merry Christmas!

Charlie L.

Shortwave Center

NEW EDITOR

Charles A. Wootten
4911 Battery Lane, #1
Bethesda, MD 20014
U. S. A.

(This is last column by Ed Shaw.)

THE BIG SWITCHEROO

The December edition of Short Wave Center will be my last effort for several months while military commitments require my presence elsewhere. We are fortunate to have in NASWA the knowledgeable experience of Charles A. Wootten (Charlie, that is) who has graciously offered to manage Short Wave Center in my absence. Many of you already know Charlie's work through the ANARC Frequency Recommendation Committee.



CHARLIE WOOTTEN

He is a member of several other internationally-recognized hobby clubs, and was also asked to serve as a technical editor for a major European club.

Charlie resides in Bethesda, Maryland (see above Logo address) with his wife and daughter, neither of whom appreciates DXing. In fact, his wife has been attributed with declaring she might sue all receiver manufacturers for alienation of affections.

In relinquishing the editorship of Short Wave Center, I am confident that the entire NASWA membership will cooperate with Charlie as they have with me so willingly. I do not intend to lose track of events, however, and I will continue to contribute regularly to FRENCH. For those of you who do desire to keep up with me, please note last month's mention of my temporary Kentucky address. For now, a hearty warm greeting for the season to all of you, and best wishes for the coming year. *Edward C. Shaw*
I'll be seeing you again in SWC about August '75. *Edward C. Shaw*

ХРІСТМАС ІН КРЕМЛІН (Or, Santa The Siberian)

I always suspected that beneath most of the Soviet hoopla about the USSR being apathetic to established religious holidays, the man on the street really knew where it all began. At least, as far as the Soviet kiddies' toy-time, it started in the west! I used to wonder about the colorful cards I received each year's end from Radio Moscow and other soviet broadcasters. Under the guise of "New Years" cards, they bore a remarkable resemblance to ordinary Christmas cards. Indeed, some cards I have received from Hungary and Czechoslovakia even depicted something looking like a 'star in the east' shining above shepherds and their flocks. But, the card that tickled my funny bone was a Ukrainian card glistening in reds and greens - a 3-horse troika sleigh, gliding thru gently - falling snow, bells jingling, delighted children laughing merrily - all under the masterful care of a ro-tund, white-bewhiskered gent in a red snow suit who was passing out toys and decorated trees, looking suspiciously for all the world like he was about to bellow, Ho! Ho! Ho! Merrrrrry Kremlin!! If I didn't know better, I'd swear that I knew that gent, but I've never been to the USSR. Maybe I saw him out in front of Macy's department store in New York?

BINDING BULLETINS IN A BOOK

by Edward Shaw

FRENDX has been coming to us in neat hand size over two years. We once had the question asked, was there some way to bind FRENDXs in a notebook for easier storage? The thought of punching 3-ring holes along the narrow margin of my bulletins didn't appeal to me. It seems I had heard mention of a binder - very expensive mind you - which had removable spines in it which allowed mounting 6 FRENDX-size magazines at a time by folding one of the spines into the middle of each bulletin and fastening them all into a common binder. I was not very successful in locating such a binder - at least for the size I desired.

Then one day while watching dear spouse attempt to place a patch on my son's blue jeans it came to me.... I could attempt to bind my own bulletins. Having an old issue of FRENDX, a spare to play with, I examined the thickness of the bulletin when opened to the middle and eyed my wife's sewing machine. So, removing the staples from my FRENDX and squaring the sides straight, I inserted my FRENDX to the sewing machine, goosed the foot pedal, and guided the center line of the bulletin under the needle's foot. At the end I beamed with delight at the near perfect stitch I had put right in the middle of my bulletin. I marveled at the savings in cost of staples the club could realize. Somehow, though, I couldn't imagine Reta Ferguson pushing nearly 800 bulletins through her sewing machine every month and resolved that I would probably have to do my own.

At least the process is simple. It should not be damaging to any good machine with a sharp needle and a running start. I nervously decided to go ahead with my personal copies in this binding method. At the end of six bulletins, January through June 1974, I wondered why I had not gone into the bookbinding business. They were all perfect.



FIG. A

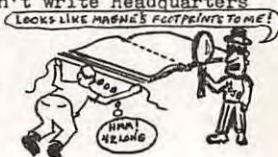


FIG. B.

The next step is not so difficult, requiring only that you choose some covers for the front and back of your "book" of six FRENDXes. I chose some stiff paper I had on hand which was about the rigidity of a laundry shirt board. Cutting it to size so that it would cover the front, bend across the edge of the book, and cover the back - taking care to make the cardpaper fold sharply. The finished and folded cardpaper should resemble figure A. Next step was also simple. Merely purchase, mix and evenly coat epoxy glue or other good glue to the approximately 3/4" center where the folded edges of the bulletins are to be placed. Third step is not difficult, but requires some attention. One should carefully place the January bulletin face down on your left and February face up on the right. Touch the two fold ends together as in figure B, then apply a narrow strip of bookbinding tape, paper tape, or even Scotch magic mending tape. Proceed with each following month; securing back pages to next bulletin front pages, etc.

The final and easiest step is to thoroughly square the bulletins as best you can, coat with glue, insert into your paper cover. Make sure of a good glue contact, then let dry in a warm dry place. The paper cover may later be covered with cloth bookbinding tape, especially where the folds open and shut often. Artistic members might like to try their hands at decorations. Certainly, silver or gold inks look attractive for penning in the book title or contents on the outer edge as with any book.

The only other hints that I could suggest are that perhaps nylon threads may give better results, and maybe one of the new super glues would shorten the waiting period. In any case, please don't write Headquarters with requests for custom-stitched FRENDX orders.



SHORT WAVE CENTER INDEX

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ANARC News
- FEB 1974 - Converting the PM-IICX
Hammarlund SP-600
Noise Blankers vs Limiters
Vatican Radio
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The Beveridge Antenna
- MAR 1974 - Spotlight on Qatar
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What We Need Is Publicity
WV Propagation Forecasts
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- APR 1974 - Andaman "Saudara" Receiver
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- JUN 1974 - Happiness in Hilversum
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- AUG 1974 - Radio Rio Amazonas
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Do We Need A New Name?
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Best Wishes To All NASWA Members
For 1975! May you QSL 25 in 75!

HAP'S YEAR-END FUND DRIVE

HAP would appreciate your help in raising funds during this year's end. Donors are asked to send their financial gifts to: HAP Headquarters, 6805 Woodland Court, Coloma, Michigan, 49038. Mention which club(s) you belong to. Likewise we appreciate gifts of postage stamps. Used equipment of all kinds, if in good and clean repair, are particularly gratefully received. Write to HAP HDQ for instructions on how to donate these. Each club will shortly receive a list showing name or contributors and the total each club was responsible for. HAP appreciates the help each club has given in the past year. This fund drive will enable us to get off to a good start in 1975. Thank you!! Signed, Ted F. Poling, PALS Chairman for HAP.

THE AVOIDED 41 METER BAND

by Edward Shaw

"Cursed is he that allocated 41M to both SWBC and to ARO's"

...or so I have always felt about the situation. The 41 meter SWBC band also means the 40 meter amateur band. It was the first band of frequencies allocated for amateur use in the western hemisphere, and for that reason mainly, we have no SWBC stations broadcasting from the western hemisphere in that band. However, nearly every other continent can be found there - in abundance!

To listeners in North America, the most frequently heard broadcasters on 41 meters (in seeming order of prominence) are: USSR, Albania, BBC and VOA, and perhaps RFE. These broadcasters tend to saturate the band more than all others combined. Other broadcasters with big signals but who are not so much a nuisance (from a DXing standpoint) include: Czechoslovakia, Israel, several Arabs, and an occasional Deutsche Welle from Malta or Rwanda.

The big thing about 41 meters is that just about every country is available on the band. And, because of the relatively higher frequency of the band, DXing has been accomplished during the entire day in mid-winter DX season.

There is a technique to learn about DXing 41 meters - the same as for any other band. It must be remembered that 41 meters is nominally used by broadcasters as a local home service daylight frequency, or it may be used for nearby regions if the station is considered international. The big-time broadcasters normally use 41 meters for short haul broadcasts into neighboring regions, but notable departures from nominal use include Radio Moscow, R. Peking, and R. Pyongyang's broadcasts into Latin America. These are truly long-haul distances.

VOA's transmitters in Tangier, Liberia and at Ascension Island are closer to west African, some Latin, and west European targets. The Wofferton and Kavala sites service Europe, the mid-east, east Africa, and the USSR. Rhode's tiny outlet covers the arab world and Turkey. Colombo transmitters cater to the sub-continent. And, the oriental far east is covered by Okinawa and the Philippine outlets. BBC, likewise, has relays on Cyprus, in Malaysia (soon to shut down), and in mid-Atlantic Ocean to get closer to intended target areas.

Admittedly, sharing the band with amateurs is an exasperating ordeal at times. Many have been the times a crucial DX moment was devastated by a ham blasting in with his quacking side band voice calling "CQ". But, the ordeal is often just as exasperating for him. After all, he was there first. The air waves are a public commodity, and the ARO has a right to be licensed to use it properly. Also, the number of amateurs grows, but the room to operate on the bands does not. What's more, the amateurs are separated by putting CW amateur radio (code) on the lower half and the phone talking amateurs on the upper half. It isn't really half, but nearly so. Anyway, the phone talkers are often in and among the international broadcasters to the chagrin of both. In this editor's opinion, some relief could be realized immediately by reversing these positions. CW amateur works seemingly would be far more tolerable to both amateur and foreign broadcaster alike if it were in the upper section of the band instead of the phone mode users. Most legitimate 41 meter commercial and international services are between 7100 and 7300 kHz.

Not only big time stations are on 41 meters. Real DX abounds!! The majority of Africans thrive there. Typical 41 meter hours of operation in west Africa are 0700-1700 GMT, and many 41 meter frequencies are 24 hours. East African use of 41 meters is not as stable, though. The African Moslem world from Egypt to Madagascar may sign on as early as 0400; others not until 0900.

Good European DX includes several smaller German transmitters; Sicily; a few western Soviet republics; a difficult Norwegian; and Polish Pathfinders if you're lucky.

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THE 41 METER BAND - From facing page

41 meter Asia is the happy hunting ground for my DXing, though. The usual stations of Malaysia, India, Pakistan, and VOA/BBC/Moscow outlets are fine, but now we can add Thailand, Vietnam (both north and south versions), Nepal, Indonesia, and on and on and on.

The trick is to learn when the concerned stations are broadcasting, and the more darkness between you and the broadcaster the better are your chances. Right now, with winter nights as long as they ever will be this year is the best time to rack up those countries you missed before.

You will be amazed to learn that there are currently 97 countries by NASWA Country List available on five continents - six, if you want to count CHU Canada of North America as a broadcast station (and, it is by NASWA definition.) Good luck and good DX!!

As a parting tip: Try 7175 and 7245 around 1100 GMT or later. Can you hear oriental talk and music? Perhaps you have heard VTVN Saigon.

THE KARELO-FINNISH SSR



by Carroll (Pat) Patterson

Petrozavodsk, Karelia's capital, a city of 145,000, is located on the western shore of Lake Onega. Located near iron mines, it has ironworks which are serviced by the Leningrad to Murmansk Railroad which runs through the city.

The Karelians, one of the chief divisions of the Finns, first appeared in history in the 9th century. In the middle ages, they formed a strong, independent state which, sometime prior to 1478, was absorbed by the Republic of Novgorod. In that year, Novgorod itself was conquered by Muscovy (Moscow). Muscovy ceded Karelia to Sweden in 1608 in return for aid against Poland. In 1721 Russia took Karlia from Sweden. Under the Soviets, Karelia became an autonomous republic in 1923. As a result of the Soviet-Finnish War of 1939-40, Karelia gained about 13,500 square mi. at Finland's expense. The Karelo-Finnish Soviet Socialist Republic was established 31 March 1940 and became the 16th Union or Constituent Republic of the Soviet Union. Karelia was occupied in part by the Germans and Finns from 1941 to 1943. The Karelo-Finnish SSR was abolished in 1956 and its territory was absorbed by the Russian Republic. (*See ed note) The area was then organized as the Karelian ASSR, its present status.

Petrozavodsk operates on the shortwave broadcast frequencies of 4,780 and 5,065 kHz, reported by several North American DXers. Evening winter hours or wee dark hours are recommended times to listen.

(*Ed note: It may be well to point out that Russia is only one of the many republics comprising the USSR - albeit it is the largest and most well known, which probably the reason Russia and USSR and Soviet Union are often used interchangeably for the same thing.)

CHRISTIAN RADIO VOICES

by Marlin Field

Foreword

The subject treated in this article should not be construed by the NASWA membership as any attempt to promote any one theological dogma over another. The subject is, rather, one which appears to have no counterpart in other established major religions, e.g. there are no known transmitters owned, operated, financed, or sponsored by or for Buddhism, Islam, etc. (SWC Editor)

A few years ago around 1200 GMT I heard a musical selection in the 19 meter band that was quite familiar to me. It was "The Old Rugged Cross." I had found the station I was listening for, SEARV, a project of the National Council of Churches of Philippines. That was not the first time - nor the last time - for me to hear one of the Christian radio stations on shortwave. In fact, the first station that I heard when I bought a short wave radio in 1960 was a missionary station,

This aspect of short wave broadcasting all started close to thirty years before on 25 December 1931 when a 250 watt station started transmitting religious messages in Spanish from high in the Andea Mountains. That station, one familiar to us all today was HCJB, La Voz de los Andes

"THE VOICE OF THE ANDES"

Factors affecting other types of short wave stations have not left the Christian voices untouched - growth, for example, in terms of increased power and multi-band broadcasting. Some of the religious oriented stations are now among the most powerful of international broadcasts. HCJB no longer operates at 250 watts. In fact, most of them do not. The Far East Broadcasting Company has a number of 50 kilowatt transmitters in the Philippines as well as a 250 kilowatt one for KGEI, its Latin American voice.

ETLF in Addis Ababa, Ethiopia uses a 100 kilowatt transmitter in its broadcasts from Africa. Trans-World Radio has a 260 kilowatt voice in the Netherlands Antilles.

Like other stations, more so government than the commercial ones, a number of the Christian broadcasters now use more than one frequency. This is especially true of the more powerful stations, such as TWR, ETLF, PEBC, and HCJB, but it is also true of some of the less powerful ones. TGNA in Guatemala, to illustrate, uses frequencies in the 31, 49, and 90 meter bands. A station with even less power, TIFE, San Jose, Costa Rica, operates in both the 49 and 31 MB.

The number of Christian stations is also increasing. Soon, Trans-World Radio will be broadcasting from Swaziland, and they have plans for a transmitter on the island of Guam in the far west Pacific Ocean.

With the lifting by the FCC of its ban on licenses for private shortwave stations, the number on United States' soil is more feasible today than it was in the past, because with the powerful transmitters which are now available stations can reach audiences which formerly could be reached only by nearby broadcasting stations.

There still is another reason for broadcasting from within the territorial jurisdiction of the United States - to avoid what has already happened in some countries or the property of foreigners. Some missionary projects, such as hospitals and schools, have been nationalized by the foreign host governments, but so far no Christian station has suffered such a fate. The stations, though, have been affected by the nationalistic feeling prevalent now in countries at one time dominated by outsiders. A number of stations are hiring nationals for positions once held primarily by Americans. One, TIFC, has been turned over completely to the local inhabitants, and the Latin American Mission, which once had direct responsibility for the operation of the station, no longer has an office in Central America.

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CHRISTIAN RADIO VOICES - Continued

A few years ago 4VEH in Haiti avoided entanglement in local politics by refusing to meet the broadcast demands of rebels who landed on the Haitian coast near Cape Haitien. More recently, political problems in Burundi forced Radio Cordac off the air for a period time. (Now returned)

The Christian broadcasters today do not limit themselves to one language as HCJB did during its first six years of existence. HCJB became a bilingual station in 1937 with the addition of English language programming. Fifteen other languages may also be tun-

FEBC

INTERNATIONAL

ed on that station today. Some international broadcasters use close to twice as many languages and dialects as HCJB, as ETLF and FEBC. A number of Latin American stations transmit not only in Spanish, but in the languages of the Indians in their broadcast regions.

The programs on the Christian radio voices are not, as some might think, all religious in nature. In addition to the religious programs, some of which are entirely music, stations broadcast news, classical music, and DX information. Some of them operate radio schools through pre-tuned receivers located at various places in their reception areas. Radio Chortis in Guatemala and Escuelas Radiofonicas Populares in Ecuador do this in an attempt to reduce the illiteracy rate among their adult listeners. La Vox de Nahuala carries on another activity, a rather unusual one, through its radio schools. It is called the "Seed Project." Through its classes, adults receive instruction in how and when to plant certain garden seeds, which they obtain from the station. In addition, the women are taught different ways of preparing the vegetables they have grown. Probably, the most well known station, and also one of the oldest, with radio schools, is Radio Sutatenza in Bogota, Colombia. It has been estimated that its broadcasts reach 12 million of that country's inhabitants plus residents of the adjoining countries.

DXers are constantly reminded to send return postage when requesting a verification from a station, for courtesy if for no other reason. For the religious oriented station there is a far more important reason, and it's all tied up in the financial support of the station. With the exception of one, Vatican Radio, none receives monetary support from a government.

Most of their incomes are in the form of individual contributions that reach the station through various channels. It may be that individuals contribute to their church and that money is then forwarded to the station. Or, individuals may make their contributions directly to the headquarters of the missionary group operating the station. Most of the headquarters, for the larger and powerful transmitters, are located in the U.S.A. TWR, FEBC, HCJB, 4VEH, HRVC, TCNA, ELWA, and WYFR all fall into this category.

Occasionally the stations spell out their needs in the literature they send to DXers and others on their mailing lists. It may be that the station needs money to repair a transmitter, or money to buy a new one or to pay for increased operating costs. On one occasion, two DXers responded to the need of ELWA by buying a tape recorder and sending it to Monrovia. One other source of income for the religious oriented station is the religious organizations sponsoring programs on the station, such as the Pacific Garden Mission, the Billy Graham Evangelistic Assn, and the Good News Broadcasting Association to mention but a few.

Some financial support has also come from commercial advertisers. Most of these have been on Catholic oriented stations, but at least one or two protestant stations have accepted such commercial advertisement; Radio del Pacifico in Lima, Peru does; and the Red Lion station, WINB, of Reverends John Norris and Carl McIntire fame have advertised H-L-H (H.L. Hunt) Food Products, if not at present, then in the past.

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CHRISTIAN RADIO VOICES - Conclusion

For me, DXing the Christian radio voices has been one of the more rewarding aspects of the hobby. It has been in part because it has brought into my home visits from station personnel (HCJB and ELWA); it has brought me into contact with them through my church (visits from TWR and ELWA); and it has brought me into contact with them at work.... one hot, muggy day in late August a few years ago I was pleased to have a visit from the program director of HRVC. On furlough from his position in Tegucigalpa, Honduras, he and his wife and children were on their way to Iowa with a U-haul trailer behind their car. They would live there for one year before returning to Central America. Reminders of that occasion are on the walls of my living room and study - a large pennant and two pieces of Mayan art work.

A LIST OF KNOWN CHRISTIAN RADIO STATIONS

This article may not be reproduced without permission of the author. Please write Marlin Field, 371 N. Hillsdale Hillsdale, Mich. 49242. Updated information is requested, as well as information on existing unlisted stations or new stations which may be proposed.

ETLF, Ethiopia	R. Feira de Santana, Brazil
R. Veritas, Philippines	R. Educ. de Braganca, Brazil
SEARV, Philippines	R. Cult. de Cuiaba, Brazil
FEBC Philippines	R. Paz y Bien, Ecuador
TWR, Bonaire	R. Luz y Vida, Ecuador
TWR, Monaco	R. Rio Amazona, Ecuador
FEBA, Seychelles	R. Fed. Sucua, Ecuador
ELWA, Liberia	HCJB, Ecuador
R. Cordac, Burundi	LV del Volante, Ecuador
R. Ecclesia, Angola	R. Jesus del Gran Poder, Ec.
R. Pax, Mozambique	LV del Agoyan, Ecuador
R. 7PA22, Lesotho	HCER, Ecuador
Vatican Radio	LV de Galapagos (Islands)
R. Renascenca, Portugal	TIPC, Costa Rica
WINB, Pennsylvania	HRVC, Honduras
KGEI, California	R. Progreso, Honduras
WYFR, New York	R. San Isidro, Honduras
R. del Pacifico, Peru	4VEH, Haiti
LV de la Selva, Peru	R. Tesulutlan, Guatemala
La Cruz del Sur, Bolivia	R. Chortis, Guatemala
R. Pio XIII, Bolivia	LV de Nahuala, Guatemala
R. Onkoi, Bolivia	R. Maya, Guatemala
Emisora Kennedy, Colombia	TGNA, Guatemala
R. Sutatenza, Colombia	<u>Maybes:</u> R. Cl. Ribeirao, Braz.
R. Aparecida, Brazil	R. Catolica, Ecuad.
R. Santa Rosa, Peru	LV de Atitlan, Guat.

By Marlin Field, 1974

and, R. Nac Cochabamba, Bol.
R. Huancochila, Mexico



Philip M. Wala is a relatively new NASWA member, but has managed to establish a great DX shack in a corner of his room. On the walls are displayed various club membership certificates, and some of his 250 QSL cards and pennants. Receiver is a Hallicrafters S-118 (using homebrew S-meter). Home is in Milwaukee.



Charlie Davidson uses a DX-150B, a 65th birthday gift. Is interested in preparing DXing article for the Elk's magazine. Is an auto parts sales mgr. in Detroit. His is an experimental antenna necessitated for lack of room. Charlie currently has 33 QSLs and waiting for more. Nobody gets a kick out of DXing like him.

DO WE NEED A NAME?

By Morgan Monroe

Are you a SWL? A DXer? A SWBC enthusiast? A high frequency radio reception hobbyist? Despite varying shades of connotation, all these terms essentially are synonymous. And all are imprecise, non-descriptive and cumbersome.

Consider, for example, the overlapping inadequacy of "SWL" and "DXer". After hearing a program from one of the well-known stations, the so-called SWL often tunes casually across a high frequency band seeking other broadcast entertainment. Encountering signals from weaker, more distant stations, he may pause to learn their identity and listen to what they offer. In so doing, the SWL becomes a DXer of sorts.

And the DXer who interrupts the search for additional countries to hear a BBC program becomes a SWL of sorts. Obviously, the terms used presently to identify each listener overlap in fuzzy fashion. And, as is true of other labels applied to SW radio reception and those engaged in it, such terms are neither wholly accurate nor descriptive.

Even "shortwave" has become a semantic volley ball. Once it was two words meaning any wavelength below 200 meters. Later it became a single word applying to the frequency range between 3,000 and 30,000 kHz. But, Webster dictionary has for years defined it as any "radio wave of 60-meter wavelength or less."

Compounding the confusion is insistence by some that everything above 1,600 kHz is shortwave. Others maintain that the term applies only from 2,300 kHz up. And scientific and technological publications now often refer to the centimeter wavelengths used by radio astronomers as "short waves." So we have come full circle back to two words and more confusion.

Another shortcoming inherent in all terms associated with high frequency broadcast reception and those engaging in it is lack of emphasis on the international nature of the hobby. "SWBC reception" doesn't bridge this gap. Nor do "SWLing", "DXing", or any of the others. A puzzling aspect of our hobby is that it never acquired a fitting, descriptive name. In all the years since pre-broadcast days when we oldtimers constructed crude receivers and listened avidly for the sheet-ripping sounds of early spark transmitters, neither we nor our modern counterparts have at any time shared a descriptive identifying name for our hobby.

Sporadic, often desultory, attempts to correct this peculiar condition have been unsuccessful; no name proposal of past years gained general acceptance. Many were as non-descriptive as the fragmented nomenclature their proponents sought to replace. Some were too cumbersome for convenient usage; a few were ludicrous. Clearly, this unsolved old problem demands imaginative new thinking. Is there any valid reason why NASWA should not become the first radio-listener organization to develop and introduce a descriptive, generally-acceptable name for the hobby we share with others throughout the world?

By way of sparking other ideas and stimulating discussion, I'm tossing a nomination into the ring. It is: International Radio Monitoring (IRM).

The term denotes interest in radio at the international level; the word "monitoring" indicates the nature of this interest; and those engaged in the hobby would be referred to as International Radio Monitors. (IRMs) Despite the needed identifying words, the name is broad enough to encompass all forms of international broadcast reception interest, whether low, medium, or high frequencies. SWL/DXers could at last share a universal identity, one that not only describes the hobby and their roles in it but also one that would eliminate the inadequate terminology used today.

The word "international" has long needed stressing in identifying our hobby. As few other avocations do, it cuts across national and regional boundaries, thereby offering participants better understanding of the world, its peoples, and their historical and cultural heritages. But, this understanding- the hobby's greatest asset- is not apparent, either directly or by suggestion, in any identifying term presently in use. We need to do something about this. And, we can if we will. Give it some thought.

NASWA is willing to hear your opinions and has asked that I correlate responses. Please send your comments and suggestions to me at the address to the left. While I may not be able to answer all inquiries immediately, it is appreciated if return postage is included when a reply is desired. I would like to have your responses not later than 15 January 1975 in order that I may prepare a notice of results for February's FRENEX.

MORGAN MONROE
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Interview With James Keogh, Director, United States Information Agency

Submitted by: Al Sizer

The following excerpts are taken from a copyrighted interview in U.S. News and World Report. The excerpts chosen were the choice of the Short Wave Center editor for the widest possible appeal throughout the membership, and are printed with permission.

Q Mr. Keogh, what reaction has there been overseas to the abrupt change of Presidents in the U.S.?

A What we are seeing and hearing about the transition is rather remarkable. In many countries, I would say in general, the reaction is favorable toward the United States in a very thorough degree—favorable about how the institutions of the United States work.

Q What role did USIA—Voice of America—play in informing the rest of the world what was going on—especially the Communist countries?

A In the Communist countries—the closed societies—there was not much understanding of what was happening. There was an element of surprise. In the developed societies, such as in Western Europe, there was not a great deal of surprise.

We at USIA tried over a long period of time to explain what was happening. Our explanation went this way: Charges have been made against people highly placed in the Federal Government. These charges have been brought out largely by the free press. The charges are being investigated by the legislative branch of our Government, and by the judicial branch. All of this is being done very much in the open. Whatever remedial steps are necessary will be taken. While all of this process is going on, the Government of the United States goes on. And when the process is completed, the Government and society move forward.

Q Is the Voice of America, USIA, trying to assure people that there will be continuity?

A That's correct. The approach basically is the one that I was outlining before: We are making the point that we have a constitutional process, that this process works.

Q Just how do you get this story across to people abroad?

A In two principal ways:

The first is the Voice of America, which broadcasts in 36 languages around the world.

The second is what we call our wireless file. We send out five days a week to 127 U.S. diplomatic posts around the world a file that contains such matters as full texts of statements by the President, by the Secretary of State, by important public figures. Our posts are constantly delivering these full texts to government officials, journalists and other leaders in the communities.

Q Do you have any way of measuring the impact that USIA and the Voice of America have?

A We are constantly seeking ways to find out what impact we have. But we must admit that in this kind of mission it's almost impossible to really make a firm determination.

We can get surveys of how much listenership we have on the Voice of America, so we know in the main how many people in a given country are listening.

Q What did your people tell the Greeks and the Cypriots about U.S. inability to come galloping to the rescue?

A We simply relied on the statements made by the President and the Secretary of State and by other officials involved. We couldn't very well go beyond those positions.

Q What connection do you have with Radio Free Europe and other broadcasting groups that did have some CIA ties?

A We do not have any connection with Radio Free Europe or Radio Liberty. They are separate entities, and they are both still jammed.

Q Does the Soviet Government try to discourage listening to VOAs?

A Every indication we have is that there is no effort made to discourage listening—that the people do listen now, and listen quite openly.

Q Why do you think they jam Radio Free Europe and Radio Liberty and not Voice of America?

A Because Radio Liberty, which is the one that is particularly targeted toward the Soviet Union, has a different mission than the Voice of America.

The Voice of America essentially seeks to tell the rest of the world about the United States. Radio Liberty, on the other hand, seeks to serve as a substitute for a free press within the Soviet Union, so its mission is to broadcast to the Soviet Union about the Soviet Union. I believe that it's the difference in those two approaches that has caused them to continue jamming Radio Liberty while they stopped jamming Voice of America.

Q Mr. Keogh, very few Americans have actually heard a Voice of America broadcast. Do you use entertainment and music, or is it all news and analysis?

A We have news and analysis and commentary and discussion and entertainment. Our whole thrust on the Voice—as in everything we do in USIA—is to try to present to the rest of the world a fundamental picture of American society. So, on the Voice of America we will have programs of American jazz and of country music. We'll have interview shows; we have a program called "New York, N.Y." in which people are interviewed in New York—conversation about what's happening in the city.

Q Why don't we hear the Voice of America in the U.S.?

A We are legally prohibited from distributing any of our products in the United States.

I wish that we could distribute more of what we do in the United States, because I believe that there would be a better understanding of what we do.

-30-

NHK speeds up prospect of satellite-to-home

Japanese engineers have developed a TV receiving system that they say could bring about satellite-to-home transmission within five years.

The NHK Technical Research Laboratories, a government-funded research organization, plans to put the system in limited use some time in 1977. NHK, in conjunction with General Electric Corp., is now constructing an experimental 12 ghz broadcast satellite designed to send signals to the home terminals.

Technically, the satellite-to-receiver signal would be transmitted within the FM band. An AM-FM converter attached to a standard receiver would transform the image into a standard television signal. A four-and-one-half-foot receiving antenna would complete the home system.

Having already established that satellite-to-home transmissions are technically feasible, the engineers are now working

to bring the cost of the home unit down to a range within the means of the consumer. It is estimated that an experimental receiving system would cost \$5,000 as a single unit. Mass produced in quantities of 1,000, the total cost would decrease to \$3,000. But in quantities of more than 10,000, it is reported, the total cost of the converter and antenna would be less than \$1,000—and on the consumer market could be reduced to between \$300 and \$800.

The emerging experimental satellite is tentatively scheduled for launching in early 1977. Initially, cost factors are expected to cause the forthcoming satellite transmissions to be limited to local distribution, with direct-to-home service envisioned at a later date.

The NHK system has attracted worldwide interest, and was recently reported in detail in the journal of the International Telecommunications Union. Staffers at the Office of Telecommunications Policy are observing the project's developments closely.



Drawn for Broadcasting

"And this model picks up
all the satellite programs!"

NHK article, Broadcasting
magazine via L. Magne.



CLANDESTINE BULLETIN

Larry Magne, 15 Central Avenue, Philadelphia PA 19111 USA, Tel. 215-379-2574

WHAT CAN I HEAR?

(Part 2 of a series)

Last month you learned how and when to hear -- and verify -- the two clandestine operations beamed to Spain -- Radio Independent Spain and Radio Euzkadi. This month we will present something more exotic to exercise your new Christmas gear with: the Asian Communist "Voice of Malayan Revolution".

As you probably already know from experience or other articles in FRENEX, reception of Asian stations in North America -- particularly the east coast -- is usually difficult and frustrating. If you run a string on top a globe from an Asian site to your QTH you will find it invariably passes near the North Pole. And any radio signal that has to pass through the polar zones winds up being unreliable, weak and fluttery.

Nevertheless, there are moments most days when you can do surprisingly well trying to log Asian DX catches. The most popular is in the local morning, such as about 1000-1200 GMT on the east coast, but there is another opening between roughly 2000-0100 to the east coast and beyond. The openings to the west coast are, of course, far longer and signal strength is better, to boot.

Another way to log rare Asian catches is to try for them just before a geomagnetic disturbance. Many DXers figure that since the Asian signals have to pass through the North Pole, they will be hit first by a magnetic "storm". This isn't always so. Sometimes the European signals will go first, leaving the bands clearer for Asian and other signals, which are often "enhanced" in strength just before getting wiped out themselves. This is an uncommon situation and of brief duration, but it results in both reduced QRM (interference) and stronger Asian signals.

Another advantage of listening to Asian signals is that they are not severely effected by jamming; the only serious attempts at jamming in Asia are by the Chinese (usually a white "hissing" sound) and the Soviets. The Chinese jamming, in particular, is usually substantially weaker than the target station, at least as received in North America.

MALAYSIA

Voice of Malayan Revolution

The Voice of Malayan Revolution's transmitters are located in Hengyang, Hunan Province, China, where they beam programs of the Malayan Communist Party to non-Communist Malaysia and Singapore. These programs, which are produced at the Party headquarters in Kunming, Yunnan Province, China, used to be shrill and dogmatic, but as of late (and as with Radio Peking) they have been delivered in a calmer and more effective manner.

Ever since the station came on the air on November 15, 1969, it has been widely heard throughout the world, thanks in large part to its use of powerful (likely 120 kw) transmitters. Indications are that it will continue to operate in the same manner after the establishment of diplomatic relations between Malaysia and China by the time you read this. Among other things, the Chinese deny aiding the MCP and the MCP stresses its independence from the Peking government, despite the MCP's Maoist brand of Marxist doctrine.

Because the Voice of Malayan Revolution is not all that difficult to hear, and because one of its program languages is standard Chinese (Mandarin), it may be of interest to students of Asian affairs. If nothing else, it can serve as a unique reference source for a term paper or thesis.

Although there have been indications the VoMR is deliberately jammed by the Malaysian government, such jamming, if still in effect, has never been even moderately effective outside Asia.

It's possible that along the west coast the station can be heard on either or both of its channels throughout nearly all its broadcast day. For the east coast listener, though, it's more difficult, but the best chances are underlined in the schedule below.

0430-0510 Malay, 0515-0545 Chinese, 0550-0630 Tamil on 11830, 15789 kHz
 1030-1110 Malay, 1115-1145 Chinese, 1150-1230 Tamil on 11830, 15789 kHz
 1245-1325 Malay, 1330-1400 Chinese, 1405-1445 Tamil on 11830, 15789 kHz
 2200-2240 Malay, 2245-2315 Chinese, 2320-2400 Tamil on 7305, 15789 kHz

There are a number of ways to tell if you have the Voice of Malayan Revolution. First, there is nothing else operating on 15789 kHz. Second, there are five-minute Malayan orchestral musical interludes between language segments. Third, of course, you will ultimately know by the ID: in Malay it's "Ini-lah Suara Revolusi Malaya"; in Chinese "Malaya Geming Chih Sheng Kwangpo Tientai"; and in Tamil "Malaya Puratchikural Vanoli Nalayanam". If these are a bit hard to digest on first hearing, try taping them so you can go back and listen again to make sure.

OK, who's going to give me my bamboo-bordered verification for this one, eh? Well, you'll have to tell us that, for no verifications are known to exist. DXers have tried Radio Peking, Prince Sihanouk (remember this telegram, published in last year's CB?), the MCP's headquarters, all to no avail. Although verification in the near future is unlikely, no matter what you try, the best chance probably includes some sort of face-saving way by which the MCP can make the verification appear as though it came from a "liberated zone" of Malaysia.

* * *

TIP: If you've already caught the Voice of Malayan Revolution and are trying for something tougher, try the Voice of the Thai People, which is covered in the NEWS section, below.

* * *

CLANDESTINE NEWS

Voice of the Thai People

In the October, 1974, issue of CB it was reported that, according to the Thai press, the Voice of the Thai People had been reactivated early August after being silent for roughly two years. This didn't quite jibe with our own recollection of events, nor, as it turned out, did it jibe with the logs of at least three Asia watchers.

Verbatim: "Thai cland off? Hell no, never! I check the BBC daily on 9410 and on the domestic set this powerful Thai is my marker and every morning at dawn that screaming revolutionary woman has greeted me!" (Victor Goonetilleke, Sri Lanka)

"Regarding the info on 'Voice of the Thai People' in the October CB, I doubt that the station was ever off the air. Heard them almost daily here last winter." (Ernie Behr, Manitoba)

"I was amazed to see the news of Voice of the Thai People's one-year absence (in the case of FRENDX two years). Though some newspapers and even some in the DX press have reported the absence, I'm quite sure that the news is incorrect, for I myself have been receiving the station since last year and even have tape recordings of the signal with its distinctive IS and ID. However, I can add that the station has been silent for some (not all!) local nights. So the station was on the air last year with a very short inactive period (one month at most). Hiroyuki Nagase of Tokyo agreed with me on that matter." (Isao Ugusa, Japan)

Of course, the Thai government and the Thai press knew all this, and more, so the question looms as to why they chose to misrepresent the period of inactivity of the station? I could be sloppy reporting...a very unlikely possibility. It could also be an exercise in the Thai government's trying to appear more powerful in Peking than it really is; however, most Thai citizens can readily hear this powerful station and thus establish the truth for themselves. What the real reason was is yet to be seen, but if your DX talents are good, you can hear the station for yourself. On the west coast it is often heard on both channels. Best bets for the east coast are underlined.

2300-2345 Thai; 0000-0045 White Meo (W/F/Su); 0300-0345 Thai; 0400-0445 Laotian; 0500-0545 Thai; 1000-1045 Thai; 1100-1145 White Meo (Tu/Th/Sa); 1200-1245 Laotian; 1300-1345 Thai; 1430-1515 Laotian; 1530-1615 Thai, all on 6035 & 9423 kHz.

The station, which is operated by the Maoist "Thai Communist Party", has been on the air since March 1, 1962, with revolutionary programs beamed to Thailand from transmitter sites in either the Kuning area of Yunnan Province, China, and/or northeast Laos. Although the programs over the two transmitters are the same, they are not always in phase, suggesting separate transmitter locations. Jamming has been noted in the past.

You can tell the station by its distinctive IS, as Isao Ugusa pointed out. It's a 13-note tune played on soft chimes, very pleasant. The ID's are, in the various languages: Thai, "Thini, Sathani Withayu Sieng Prachachon Haeng Prathet Thai"; Laotian, "Thini, Stani Withayu Sieng Prachachon Hag Prathet Thai"; and White Meo, "Da-na, Patan tiao Fatu oom Prathet Thai". That last one sounds as though it were read by Minnie and Mickey Mouse!

As with the other widely-heard Chinese-based clandestine, the Voice of Malayan Revolution, there are no known verifications, and none are likely forthcoming.

"Radio Free Portugal" Quits Airwaves

In its broadcast at 2320 on 25th October, Radio Free Portugal, the Portuguese-language, pro-communist clandestine radio, announced that its programs were to be suspended with immediate effect and that the station would close down.

The station said its mission had been accomplished; due to the new conditions in Portugal there was freedom of the press and information now reached the popular masses by other means. In a review of its work the station said that it went on the air on 12th March 1962 and had broadcast without interruption since that time.

The "final" broadcast was repeated at each transmission period until 2320 on 27th October, inclusive.

Radio Free Portugal broadcast three times a day -- from 0700-0800, 1800-1955 and 2320-0020 -- with an additional transmission, from 1200-1230, on Sundays. It employed four shortwave transmitters, believed to be located in Bucharest, which operated outside the official broadcasting bands. (BBC Monitoring Service, reproduced by permission)

This may be a welcome political development, but it also eliminates one of the most easily-heard clandestines from the airwaves and renders moot the question of whether there was a second site for these transmissions in Rumania. Although a couple of claims have been made indicating this or that DXer had obtained a verification from RFP, it appears that, in fact, no verifications were issued during the life of the station. It still may be possible, if you have written in your logbook a recent and sufficiently-detailed logging of this station, to try for a verification through the legal offices of the Portuguese Communist Party in Lisbon. If you are diplomatic, accurate, and write in Portuguese, you just may get an 11th-hour QSL yet...perhaps the only one.

Soviet-Based Fake "Radio Peking" Noted Again

As reported in earlier editions of CB, the Soviet Union has operated a station which is in parallel with Radio Peking's Chinese Home Service (or, variously, other domestic radio outlets), but for a brief portion of commentary actually originating from the Soviet Union. This ultra-black propaganda station was noted from May 1 to May 10, 1974, on 7520 kHz with programs of from 7-23 minutes length at 1100, 1130, 1230, 1330 and 1430, complete with a s/on anthem of "The East Is Red" (Radio Peking HS version) and s/off anthem of the "Internationale" (again, Radio Peking HS version).

Now, Isao Ugusa tells us that two well-known Japanese DXers, Hiroyuki Nagase and Hideharu Torii, have unearthed this station again on 6005 kHz between 1200-1220 and 1300-1320 on October 6, 1974. According to Isao, his later checks on that channel were unsuccessful, and he opines that the station is either once again inactive or that it operates with considerable irregularity so as to fool Chinese jamming efforts.

"Radio Pathet Lao" Alters Schedule

According to Victor Gonetilleke, the 7055v kHz channel of the Radio Pathet Lao's "Second Network" in Laotian, formerly 1157-1458 on 4538, 7055v and 8660 (irr.) kHz, has vanished, thus putting the status of the Second Network into doubt. About the same time Isao Ugusa reports a new channel for the "First Network": 6213v kHz //6200v et al. He finds the new channel stronger than the nearby 6200v parallel, which suggests it may be audible some mornings on the NA east coast. Although the exact schedule may be changed from that in our files, it should not be far off:

2227-0230, 0255-0710 and 0855-1600 on any or all of the following: 4660v, 6200v, 6213v, 7310v (still active, or is 6213v ex-7310v?), and 7480 kHz

The station is located mainly in North Vietnam (at least one of these transmitters is located in the Voice of Vietnam field near Hanoi), but Western press sources that have traveled to Sam Neua insist that at least part of the technical facilities are located there. This may account for the programs, which are otherwise the same, being slightly out of phase on one transmitter. Regardless of the site (except possibly for the 6213v transmitter, which has not yet been evaluated), each transmitter is unlikely to have an RF output exceeding 20 kw. The Pathet Lao claim each transmitter is 10 kw.

The ID's are: French, "Ici la Voix de Pathet Lao" (French 0100-0115 & 1500-1515 only); Laotian, "Thi ni witayu kachai siang fai Pathet Lao"; Vietnamese, "Day la dai Pathet Lao". The IS is an Asian xylophone and strings. It signs on and off with an Asian anthem, but not the Laotian National Anthem.

Verifications are very rare, especially now, but have traditionally been by letter from Mr. Sisana Sisan, Director, Radio Pathet Lao, 40 Quang Trung Street, Hanoi, Democratic Republic of Viet Nam; write a diplomatic report in French for best results.

Unidentified Asian Clandestines Heard in Japan

Isao Ugusa reports that the Cambodian clandestine formerly heard, then believed off, on 6990v kHz is once again active from very roughly 1000-1700.

Our file notes, derived from Messrs. Nagase, Ugusa, Hosono and Goonetilleke, show this to possibly be the black propoganda operation of the Phnom-Penh government and beamed to the soldiers of the pro-Sihanouk "National United Front of Kampuchea". To that extent it is reminiscent of the CIA-run "Radio Pakse" operation of a few years back, which was exposed by a Western newsman.

Isao Ugusa also notes the unidentified Korean on 4490v kHz is now a regular from 1200-1400. It has been traced since at least July 26, 1974, with Korean-language talks lauding "General Kim Il-Sung".

The pro-Kim Il-Sung orientation suggests it emanates from North Korea; however, the North Korean propoganda organs traditionally refer to him as anything but the heavy-sounding rubric, "General". For example, he is the "Leader", "Great Leader", "Fatherly Leader", and so on, plus, of course, "Comrade", and the unusual term "General" may suggest the operation is black and actually based in South Korea. The South Korean CIA is known, and privately has admitted in recent years, to have run stations of this type beamed primarily to North Korea.

The Far Eastern Economic Review, via Lars Rydén, indicates in its October 4 issue that a clandestine radio station has been operating out of Hué, broadcasting accusations against President Thieu made by Catholic priest Father Tran Huu Thanh. No further data is given, but it is certainly unrelated to the Hué-based "Radio Mother of Vietnam", a pro-Thieu operation.

Bolivian Rebels Capture Stations in Santa Cruz

According to reports by AP and UPI, via Myron Reamy, a number of radio broadcasting stations in Santa Cruz were captured November 7. The rebels, who reportedly were put down in short order, appear to have been nationalistically-oriented rightists concerned with poor administration, rather than leftists or Marxists.

The WRTH lists a number of stations in Santa Cruz.

Credits for the lead article: EBC MS (reproduced by permission), Lars Rydén, Bob Hill, and Victor Goonetilleke.

RADIO FREE SCOTLAND

This little gem is the property of globe-trotting DX ace John Campbell, presently (more or less) in England.



Some personal thoughts: We are all very fortunate to have as editor of the low-frequency portion of "Log Report" Bob Hill. He is an experienced and outstanding editor and DXer, both in the SWEC and ARO fields and, especially since the excellent British "Bandspread" ceased to be published, deserves, as do the other LR editors, the support of all DXers if the hobby is to have a useful reference source. Just as it makes little sense to send a hot news item to Log Report, but not to FLASHSHEET or NU, so it makes little sense to send a worthwhile logging to FS or NU, but not to Log Report.

For the first time in a couple of years, it appears as though I will be reasonably well set up to do some firsthand DXing of my own. The R-4B has been overhauled, the antennas are up, and by the end of the year there should be some time, too!


73 Gary

LISTENER'S



SURVEY RESULTS SPOTLIGHT, PART XII

Credits to the
Spotlight this month
go to Al Miller, OH
and the LN staff.

 Season's Greetings	Dan Jamisen 310 Reaneke Street Apartment 21 Richmond, VA 23225
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RWANDA This tiny
country located
near the equator
is squeezed between
Burundi, Uganda, Tanzania, and Zaire. (I can't
explain its excuse for being.) It has its own
short wave radio station operating with 50 KW on
6055 Khz, but more important, Deutsche Welle has

Deadline: 15th

several powerful relay transmitters operating from Kigali. The best bet
for logging Rwanda is to search out the DW freq's. As of this writing - DW
in Kigali relays English pgms to Africa on the following sked:
0430-0500 - 9565 & 7225 1200-1245 - 17765 & 15410
0600-0630 - 11905 9700 1715-1745 - 11965 & 9735
The last two periods are directs to West Africa so the signals probably
will keep on bouncing to North America! (many thanks Al ... Al Miller, OH)

EQUATORIAL GUINEA - RIO MUNI Rio Muni is located in West Africa. The
Cameroon's border it to the north and Gabon wraps around the southern and
eastern fringes. The Atlantic Ocean washes Rio Muni's shores to the west.
Spanish is spoken in Rio Muni, unlike its French speaking neighbors. Timber
for furniture and chocolate are the major exports of the country. It is
interesting to note that some of the world's few white apes are found here.
Off the coast are many volcanic islands - including Fernando Poo. Radio -
Ecuatorial, in Bata, La Voz del Rio Muni is the radio voice of this tiny
African nation. It was believed for some time that RE-LVRM had closed
down its transmitters but Dan Henderson heard them on the familiar 4926 KHz
outlet at the NASWA Convention this year. They are scheduled to s/en at
0430-2000 on weekdays; 0700-2200 on Sundays. Also look for them running as
late as 2300 sign off. Reception on ECNA is often at a fair level. Marginal
copy is reported from the Mid West areas. When listening for RE-LVRM, watch
out for the nearby Latin American stations - they are easy to mix up.

AND NOW FOR THIS MONTH'S LISTINGS:

ALGERIA SCDX, Bulletin 1295 says that Algeria has an EE lang b/c on
15160, 17745, and 17825 at 1900. Observations here show negative results,
even with 17825 being the best freq. (Charlie Weetten, MD)

ARGENTINA RAE's English sked is:
0300-0400 on 9690
0600-0700 9690 (Jim Davis, CA)
2300-2350 11710

ASCENSION ISLAND The VOA relay
operates on 15195 @ 1000-1400 to LA
17840 at 1100-1400, also to LA.
(Charlie Weetten, MD)

AUSTRALIA B/c's from R. Australia to NA:
0200-0400 on 11970, 15320, 17795
1100-1300 9580
(Jim Brooker, MI)

AUSTRIA Belated congratulations
to Osterreichischer Rundfunk
(R. Austria) which celebrated its
50th Anniversary on Oct. 1, '74.
(Greg Ravenherst, MN & NASWA)

BANGLADESH Radio Bangladesh has an Eng lang b/c directed to
Nepal @ 1120-1150 on 9550, 7250
Europe 1230-1300 17680 (ance 17690) (by permission, BECMS)
Europe 1815-1915 9488, 7250

BELGIUM RTV Belge has EE to NA fm
2255-2315 on 9730
0040-0100 6055
to SA
2255-2315 11855
0040-0100 9730
(Cerkey Webb, TX)

BRAZIL R Nacional de Brasilia has
Portuguese at 1900 on 15245
German at 2000 15245
English at 2100 11780
(Al Courtney, KY)

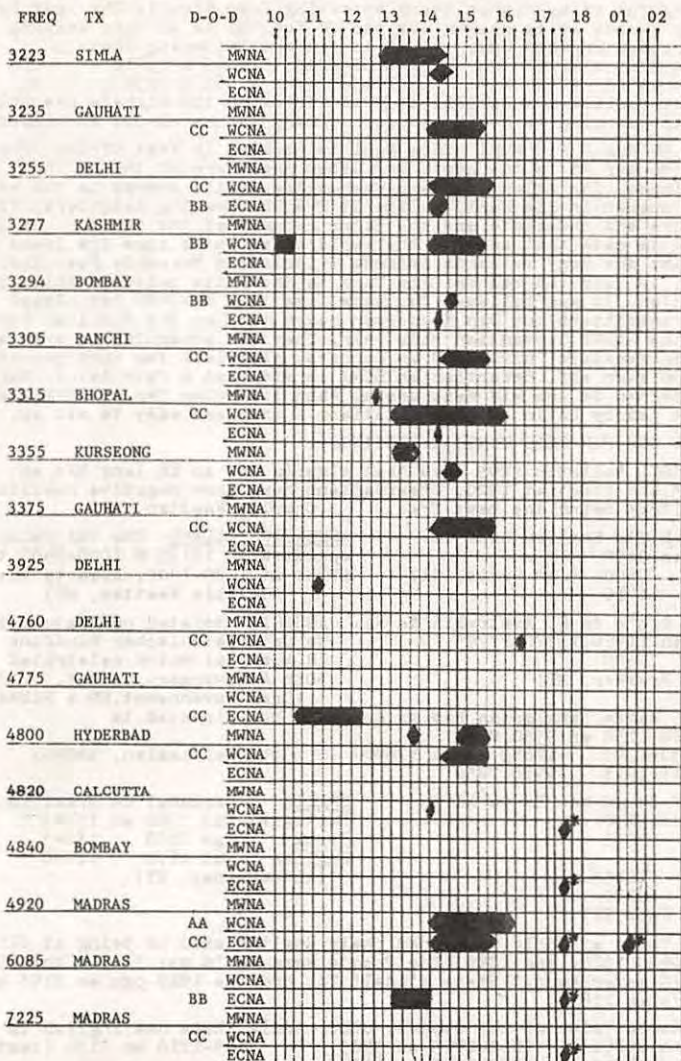
CHILE The Voice of Chile announced their English sked as being at 2210,
0020, 0230, 0430, 1020, and 1220. The freq's were announced as: "...in the 19,
25, 31, and 49 meter band." Steve d'Adelf, TX, heard the 1020 pgm on 6195 and
the 1220 b/c on 11810.

ETHIOPIA Radio Voice of the Gospel, ETLF, Addis Ababa has English fm
0530-0610 on 11860 1810-1825 on 9705 1645-1710 on 7130 (test)
1945-2030 11840 1330-1345 11955
0400-0425 7165 1315-1330 15245
(Steve Estes, VA and
Kevin Szet, CA)

HAPPY HOLIDAYS TO YOU ALL

LN SPECIAL PROJECT—ALL INDIA RADIO'S REGIONAL STATIONS

Compiling an India Chart was the task of Listener's Notebook's second Special Project. The India Chart is a collection of all the regional All India Radio (AIR) stations heard in the US in the past one year. This survey will NOT include the External or General Overseas services of AIR - only the regional stations. It was not our intention to graphically list all regional AIR frequencies and corresponding sign-on and sign-off times. We instead included in the graph below average tune-in and tune-out times as well as sign-on and sign-off times which were actually observed either from year old loggings and observations or from loggings of the current period. Each frequency has three graphs, one for ECNA, one for MWNA, and one for WCNA. The objective of the India Charts is to give NASWA members an overview into the India picture as to what stations are



generally available, on what frequencies, and at what times, also combined with an "index figure" for rating the degree of difficulty (D-O-D) of reception into the listener's shack. Maybe we could refer to the D-O-D as "tunability" of the station. How hard of a catch is this station? Is it

ISRAEL

Effective 3 November 1974

Office of International Broadcast Services
Foreign Broadcasting Agency

Wavelength (meters)	Frequency (kilohertz)	GMT	0345-0412 Russian	0500-0515 English	0515-0530 French	0535-0600 Russian*	1100-1125 Russian*	1120-1200 English	1200-1230 French	1400-1430 Yiddish	1430-1530 Russian	1530-1600 Yiddish	1600-1640 Russian	1645-1715 Russian	1715-1745 Georgian	1730-1750 Hungarian	1800-1830 Russian	1830-1845 Russian	1850-1845 Russian	1900-1925 Russian	1830-1845 English	1845-1900 French	2000-2025 English	2100-2125 Russian	2200-2245 French	Home Service Delay			
1720	1722																												
1730	1732																												
1740	1742																												
1750	1752																												
1760	1762																												
1770	1772																												
1780	1782																												
1790	1792																												
1800	1802																												
1810	1812																												
1820	1822																												
1830	1832																												
1840	1842																												
1850	1852																												
1860	1862																												
1870	1872																												
1880	1882																												
1890	1892																												
1900	1902																												
1910	1912																												
1920	1922																												
1930	1932																												
1940	1942																												
1950	1952																												
1960	1962																												
1970	1972																												
1980	1982																												
1990	1992																												
2000	2002																												
2010	2012																												
2020	2022																												
2030	2032																												
2040	2042																												
2050	2052																												
2060	2062																												
2070	2072																												
2080	2082																												
2090	2092																												
2100	2102																												
2110	2112																												
2120	2122																												
2130	2132																												
2140	2142																												
2150	2152																												
2160	2162																												
2170	2172																												
2180	2182																												
2190	2192																												
2200	2202																												
2210	2212																												
2220	2222																												
2230	2232																												
2240	2242																												
2250	2252																												
2260	2262																												
2270	2272																												
2280	2282																												
2290	2292																												
2300	2302																												

* Saturdays and Sundays only
) TO FRANCE



(via Larry Magne, PA)..(sorry gang, sked turned on side to conserve space.)

LEeward ISLANDS In the current issue of "Communications and Broadcasting" published by Marconi Communications Systems, Ltd., it is rpt'd that four Marconi 250 KW hi freq xmtrs have been ordered by the BBC for the new relay base on Antigua in the Leeward Islands. When completed, the relay station will carry pgms originated by the BBC and the West German external broadcasting service. (by permission, BBCMS)

NEW ZEALAND Radio New Zealand broadcasts to the Pacific Islands from 0600-0845 on 9540, 6080 Te Australia: 0900-1145 on 11705, 9520 1700-1945 9755, 6080 2000-2230 11780 2000-0545 15110 2245-0545 17770
Te Antarctica: 0015-0045 on 15280 (by permission, BBCMS)

PORTUGAL Adventist World Radio, "The Voice of Hope" b/c's on Sunday's fm 0500-0945 in its multi-lingual b/c on 9670, EE is b/c fm 0930-0945. Also there is another b/c at 1645, 2100, and 2115. On Saturday's, look for them on 9670 at 0630-0730, 1645-1700, 2100-2130. (via John Tuschcherer, WI)

RADIO PORTUGAL has EE to NA at 0200-0230 and 0330-0400 on 11935 and 6025. (via Allen Courtney, KY)

SWAZILAND Rpts for the new Trans World Radio outlet in Swaziland may be sent to P.O. Box 64, Manzina, Swaziland. Here is some material to help you tune TWR-S: 0215-0430 in lang on 6175 (6070), 7135 (7250) 0440-0530 " 7135 (7250), 9615 (9640) 0530-0800 in Eng " " " 1445-1645 in lang 6175 (6070) 1655-2100 lang/EE 4790 (5055) or an unk freq in 75 meters (via John Tuschcherer, WI; Ken Earhart, PA)

SWITZERLAND

0145-0215	English	North + Central America	
0215-0245	French	America del Norte y Central	
0245-0315	German	Nord + Mittelamerika	8970
0315-0345	Spanish	Amerique du Nord et Amerique Centrale	6120
0345-0415	French	Amerique du Nord et Amerique Centrale	9535
			11715
0430-0500	English	North America (West)	
0500-0530	Italiano	America del Nord (West)	8045
		(West)	9725
0530-0600	Deutsch	Nordamerika (West)	
0600-0630	Francés	Amerique du Nord (West)	

TURKEY

Turkish	02.00-22.00	05.55-01.00	9515
"	06.00-09.00	09.00-12.00	11880
"	09.00-14.25	12.00-17.25	11880
"	16.30-20.55	19.30-23.55	11880
Arabic	05.00-06.00	08.00-09.00	11880
Rumanian	14.30-15.00	17.30-18.00	11880
Greek	15.00-15.30	18.00-18.30	11880
Bulgarian	15.30-16.00	18.30-19.00	11880
Serbo			
Croatian	16.00-16.30	19.00-19.30	11880
German	21.00-21.30	24.00-00.30	11880
French	21.30-22.00	00.30-01.60	11880
English	22.00-01.15	01.00-04.15	11880

(Corky Webb, TX; John Brooker, MI)

(Den King, PA; Jim Davis, CA, - Allen Courtney, KY; Jim Brooker, MI; Brandon Lovett, OH; Dan Jamison, VA)

UNITED NATIONS RADIO Info via Kevin Szet, CA indicates that UN Radio b/c's at 1845-1900 Mondays-Fridays in AA fm Alleuis, France on 15160
 1920-1930 " " in AA Rome on 15400, 11800, 9710
 1830-1840 " " in RR Switzerland on 7443 (SSB b/c)

VATICAN Vatican Radio has EE to NA fm 0100-0115 on 5995, 9605, 11845
 (via Jim Davis, GA)

VENEZUELA Ecos del Terbes reads listeners mail including some DX rpts on "La Clue Esta Noche Recverde" on Tues-Sun at 0200-0400. (Branden Levett)

USSR - RADIO MOSCOW TO NORTH AMERICA FM FAR EAST SITES The charted times and frequencies of various Soviet Far East xmtr's and pgm's has been compiled by Bill Davis, CA.

PROGRAMS:	FREQUENCY	USAGE:
2100-2130 Korean	5985	0330-0730
2130-2200 Chinese	7110	0600-0730
2200-2300 Ukranian (R Kiev)	7150	0530-0730
2300-0030 English	7175	0430-0730
0030-0100 R Kiev Ukrainian T,W,F,Su	7260-	0300-0730
English M,TH,Sa	7300	0600-0730
0100-0300 English	9580	0300-0730
0300-0330 * Kiev - Ukr. """,EE ""	9610	0300-0500
*Yrevan - Armenian/EE T,TH,SA,S	9735	0300-0730
*Mayak HS-Russian M,W,F	9780	0200-0600
0330-0730 English	11690	0300-0530
* Kiev on 7260,9580,9780,11860,11980	11860	0130-0400
*Yrevan on 9610,9735,11690	11980	2100-0730
	12050	2200-0230
	15180	2200-0100
	17720	2200-0130
	17775	2200-0300
	17870	2300-0300

YEMEN B/c's fm San'a are now being hrd on 6050 fm 1730 until the sta closes down at 2200. 5805 operates throughout the day but closes down at 2030. (BBCMS)

ATTENTION ATTENTION; RESPONCE FROM RADIO MOSCOW concerning the prohibiting of DX'ing and persecutions of DX'ers in the USSR has been received fm Tom Gavaras, MI. The following is a quotation of the entire script received of Radio Moscow's "DX Program" aired on October 10, 1974:
 "Helle, DX-ers! Just a few days ago I received two almost identical letters. They were sent in by William Oliver, of Levittown, Pa., and Mitch Rudman, of Cherry Hill, New Jersey. They reported the following. "FRENDX", the monthly publication of the North American Shortwave Association reprinted an article from the September issue of "Sweden Calling - DX'ers". The article said that one of the Russian DX-ers had been in trouble with the authorities after his name was mentioned in "Sweden - Calling DX'ers". The article went on to allege that DX-ing would be prohibited here and in the future DX-ers would be persecuted. That was the gist of the letters. The only difference between them was that while William Oliver wrote the above comment was impossible to believe because such things are usually printed without any basis, Mitch Rudman swallowed the bait. He even chose not to extend his 73's to us. Well, first of all I am not aware of the reason why the name of that peer DX-er was not mentioned. Most probably, because anonymity is very conducive to making sweeping generalizations. And then I was very surprised that such a nonsense like alleged prohibition of DX-ing here, could be published at all. If it doesn't blow credibility of these publications, then it certainly puts their good taste and judgment up for scrutiny. Many Soviet DX-ers are known to have pen-pals abroad. They not only correspond with their counterparts, but quite often their names appear in DX programs and publications. But why this fuss this time? There is only one way I can figure it out. In the Soviet Union, as elsewhere, there exist certain regulations that are aimed at combatting loose behavior by hams. They also apply to DX-ers, especially those who possess powerful SW receivers. You know that high power, badly tuned antennas and blaring receivers create inconveniences to public; they interfere with TV reception or give plain headaches to neighbors. And of course, they forbid any activity to those who operate illegally, that is without a license. According to these regulations, first-time offenders usually get away with a reprimand or a small fine. But if they persist in their wrong doing, their equipment can be confiscated. So, I think that it was one of these "radio heolgans", as we refer to them here, who passed a letter to "Sweden - Calling DX-ers". It can't be otherwise because, I repeat, our radio operators and DX-ers do correspond with people abroad. There is a lot of talk in the West about preserving the spirit of 1973 - the year of DX friendship - this year too. Publication of dubious letters, unchecked complaints and sheer concoctions about the state of affairs here goes against that spirit. Well, and that's all for today. Tune in to our DX program next Thursday at the same hour. Good-bye and good listening."

continued fm page LN-5:

LN's editor's comment: (To get in on the ground floor on this issue, please refer to page LN-4 of the September 1974 edition of PRENDX, the last article on that page.) "Sweden Calling DX'ers" has, in the past - and I am positive that it will continue to be, a reliable and credible source of information for the DX and SWL fraternity of the world. Much useful and interesting data from SCDX has been used in LN before in an effort to present material to the readers of PRENDX so that they may form a basis for their style of listening. The controversial article which first appeared in SCDX, then later in LN, was supplemental in nature when it came out in LN ... it was "good to know" information about a fellow DX'er. The SCDX article, was not one of these "this is the way it was" articles. The discreet editor of SCDX did express, in my opinion, unbelieveability in the initial report when he said that "...Well, if this is true...". I do hope that SCDX was victim of a "radio heeigan", as Radio Moscow refers to them. There is, though, a glaring fallacy, in my opinion, in the Radio Moscow stated reason for regulation of the shortwave listening hobby in the Soviet Union. The fallacy is putting the ham and the SW DX'er on the same scale for measurement ... in this case, on an equal basis for regulation - according to the reasons stated in the script of Radio Moscow's DX Program. I am not very technically minded in the electronics field, but it seems like Radio Moscow is inferring that the receiver is a source of high powered RF energy. That sounds like a transmitter to me. Also, I have never heard of many badly tuned receiving antennas being the source of interference for TV reception. I think that it would be very interesting to read an article which might appear in "Short Wave Center" of PRENDX prepared by Radio Moscow on the subject of SWL'ing and DX'ing in the Soviet Union. What do you think Radio Moscow? (LN editor)

And so concludes another LISTENER's NOTEBOOK, and also another year of DX'ing. A hearty word of thanks is extended to all of our contributors for their valuable and interesting contributions to LN. We are looking forward to receive some material from YOU! Schedules, observations, tid-bits, and general information are always welcome. If you desire the return of your sked, please enclose a SASE and it will be returned to you promptly. Please, all times in GMT and use only one side of the paper. See ya next month!

Season's Greetings and
Happy Listening,

Dan



THE WORLD RADIO/TV HANDBOOK 1975 will not be offered through the clubs this year. Instead, it is available directly from GILFER ASSOCIATES, P.O. BOX 239, PARK RIDGE, N.J. 07656 USA. If you live east of the Mississippi River, cost is \$8.95 for United Parcel Service delivery... If you are west of the Mississippi River, UPS delivery is \$9.50... If you are not in a UPS delivery area (Alaska, Arizona, Hawaii, Idaho, Nevada and Utah -- as well as Canada and Mexico-- are not serviced by UPS from the east coast), it will be shipped by "First Class Mail" or "Air Priority", at a cost of \$9.75. All checks/money orders should be made payable to GILFER ASSOCIATES, and orders should be sent directly to GILFER ASSOCIATES at the address above. NASWA HDQ WILL NOT FORWARD OR RETURN ORDERS FOR WRTH.

WRTH-75

QSL REPORT

EDITOR: BOB ZABOT, P.O. BOX 62659, VIRGINIA BEACH, VIRGINIA 23462

NEW EDITOR

As announced last month, Henry Rockwood had to leave his position as Editor of this column due to his job. He asked that the following message be printed to the membership:

"Because of other demands on my time for the next few months; I have to give up the QSL section; however I hope to remain as active in the club and contribute what ever I can from time to time."

Henry Rockwood

So from the old to the new. I have been a DXer for the last couple of years but I was a "listener" for seven or eight years before that. My receiver at this end is a modified SX-190 which has put me over the century mark in countries heard.

The column will continue with the same general format. I would appreciate if all contributors would leave a double space between items. I also would appreciate any and all copies of QSL cards and letters for inclusion in the upcoming months.

One last item before I begin the real meat of this column I want all future mail to be sent to my new P.O. Box (# 62659). Since I moved last month I learned that the post office will not deliver mail to my residence until 50% of the houses in this new development are occupied. Therefore to assure good service I have rented a box at my local P.O.

DECEMBER QSLs

- ANGOLA:** R Clube do Mexico, 5192, colorful card and stamps in 28 days for Portuguese Report and IRC (Cambell)
- ARGENTINA:** RAE, 9690, card in 20 weeks for 2 IRCs (Hughes) blue and white card in 4 months for EE report, no rp (Wiederhold) same card in 9 1/2 days (Davidson)
- ASCENSION ISLAND:** YOA, 15350, full data "capital card" in 9 days air for EE report, no rp, v/s W.E. DuBin (Mayer) 17830, card in 8 days air (Wala)
- ASIATIC RSFSR:** Radio Moscow via Khabarovsk, 15405, full data card w/site in 30 days air, no rp (Wala) R. Moscow via Nikolayevsk, full data card in 28 days for RM report form. R. Moscow via Kenga card in 30 days for R. Moscow report form. (both Smith)
- AUSTRALIA:** R. Australia - Darwin, 6160, full data drooping Mistletoe card in 203 days sea for EE rpt, no rp (mayer)
- R. Australia - Shepperton, 15335, full data Gippsland Waratah card in 197 days sea for EE rpt, no rp (Mayer) 9580 & 11710, flower card and pennant, photos, post cards, and booklet in 96 days (McCarthy) 15320, Kangaroo card in 23 days for 1 IRC (Reno) 15320, flower card, pennant, and more in 95 days sea for 2 IRCs (Brunner) 9580 tropical fish card in 3 months for EE report, also listeners club diploma (Miller)
- VLI6 - Sydney, 6090, full data blue ABC map card in 1 1/2 days air (Mayer)
- AUSTRIA:** ORF, 9770, full data holiday card in 27 days for LIRC, also pamphlets on vacationing in Austria w/maps & details on my mothers ancestors in Schwartzensar (McCarthy)
- BELGIUM:** ORU, 6055, full data map card in 22 days for 2 IRCs (Reno) 6055 & 9655 same
- BARBADOS:** 9655 card in 30 days (Mohacs) 9655, card w/time & freq only 18d (McCarthy)
- BOLIVIA:** R. Centenario, letter, airmail. v/s Carlos Sanjines Romano, Administrator (Dexter) what freq?
- R. Nueva America, 4795, letter in 2 months, 4th try v/s Raul Salmon, Gerente, air base used (Field)
- BRAZIL:** R. Banderantes, 6185 & 11925, form letter in 5 months by sea. also 2 PP cards v/s Samir Rasuk, same not used (Field)
- R. Cultura de Poescos Calda, 5015, letter in EE & picture post card in 2 weeks on 4th try, sir, same not used (Field)
- R. Inconfidencia, 6000, EE postcard w/data on station, in 50 days, 2 IRCs with NASWA PP report form (Perasaho)
- R. Nacional de Brasilia, 15245, full data card, pp card, 19" pennant, & sked in 35 days for 2 IRCs (Perasaho) same in 12 weeks for 2 IRCs (Hughes) 15345 card w/city view in 18 days for 1 IRC (McCarthy) same in 39 days for 2 IRCs (Reno)
- R. Tabajara, letter, card, poster, tourist booklets, folder on station and decals in 2 weeks (Dexter)
- R. Por um Mundo Melhor, letter, picture postcard in 10 days, airmail on 3rd try. signer illegible (Dexter)

R. Universo, 9545, letter in 22 days for EE report and 1 IRC (Smith) 9545
 letter in EE in 7 months on 7th try, v/s Antonio Carlos Sonja, wase (Field)
URUNDI: R. Cordac, 4900, Bujumbura, full data card in 32 days by air for 3 IRCs
 v/s Leroy Little, C.E. call letters 9U224 (Henderson)
BRUNEI: R. Brunel, 7215, card w/map & drawing in 11 days for 2 IRCs, v/s Frigout
 C. E. also sked and picture to station (Snot)



Extend the
 spirit of '73
 support the
 WDXHAC

Encore l'esprit
 de '73,
 appuyez la
 campagne



CANADA: RCI, 6085, World Cycling Championship card in 31 days air (Nohnaos) 11825
 same in 21 days (Paschke)

CHN - 6130, full data card in 10 days for mint stamp 250 watts (Stuart)
 DW via Sackville, 9605 card w/site in 29 days air (Wala)

CHILE: La Voz de Chile, 15150, picture post card of houses above high tide, in 2
 months. v/s Gustavo Heitmanns (Earhart) same in 12 days for 1 IRC (Stuart)

CHINA P.R.: R. Peking, 15060, "Red Flag Canal" painting card with no time in 22 days
 air, no rp (Wala) 7120, card, painting of 3 children singing, by air in 1 month
 (Earhart) 9780 night cruise card in 22 days for 1 IRC (McCarthy) 15350, red flag card
 in 30 days by airmail (Brunner)

Chekang Peoples BC Station, 2475, letter stating that home service will
 not verify, sent R. Peking sked (Snot)

COLOMBIA: Em. Cultural Sur Colombiana, 5010, letter in 3 weeks signed by Dario Silva
 Silva Dir. (Dexter)

Ecos. del Combsina, 4785, long letter w/verie statement in 26 days for
 2 IRCs, v/s Jorge Eliecer Sanabrig Amortegui Parra. Also sent a cinco peso bill,
 asked to be a penal. (Snot)

COSTA RICA: TIFC, 6175, all data "mike" card in 14 days for 1 IRC (McCarthy)

CUBA: R. Havana, 11930, all data card in 120 days for 1 IRC (McCarthy)

CZECHOSLOVAKIA: R. Prague, 5930, 9740, & 7345. cards for 3 months. v/s Pavlaherd
 (Earhart) 7345 & 11990 cards in 66 & 103 days for 1 IRC each (McCarthy)

ECUADOR: Radiodifusora Nacional, 4939, letter and post card in 1 1/2 years airmail from
 v/s Carlos Espinosa de los Monteros, Dir. Mint stamps sent (Calkin)

R. Mac. Progreso, 5060, letter in 6 weeks on 11th try, tape of local mx
 v/s Efran Herrera Guerra (Field)

Radiodifusion von del Napo, 3280, letter in ss in 5 months w/2 picture
 post cards. v/s P. Luis Terado (Field)

Escuela Rad. Populare, 3985, card, letter, & pennant in 10 weeks v/s
 Washington Tuna (Field)

HCJB, various freq. cards, pennants, sked, and info from 2 weeks to 1
 month (Miller, Paschke, Peraaho, Rogacki, Rowley)

EGYPT: R. Cairo, 9475, full data card in 105 days for 2 IRCs (Ham)

ESTONIA: R. Moscow, 6055, full data R. M. card w/Tallin mxtr site listed. 1 month.

VIC vari # 194 (Henderson) congrats Dani

EUROPEAN SSR: R. Moscow full data card in 28 days (Smith) what freq?

DENMARK: R. Denmark, 15165, black and white full data antenna card in 11 days air for
 EE rpt, no rp (Meyer) Tower card in 18 days and my tape in 21 days air for 3 IRC
 (Brunner)

DOMINICAN REPUBLIC: R. Clarin, 4850, pennant and letter for 1 IRC and report in 16
 days (Davidson)

FINLAND: Finnish Broadcasting Co. 15185, card all data, sked and map, tourist info in 12 days air no rp (Alder) Autumn card in 2 weeks (Earhart)
FRANCE: ORTF 15155, black and white card of studios w/date and freq. sent to me in 54 days air for FF rpt and mint stamps for taped report. Also recd info on France (Foxx)
GERMANY: GFR SFB, 6190, attractively combined Radio Bremen-SFB QSL in 2 weeks for 2 IRCs (Calkin-England)
 Stimme der DDR, 7185 Königswusterhausen Berlin, PC card in 62 days for GG rpt no IRC (Schwartz)
GERMANY W: VOA Munich, 9770, full data capitol card in 57 days surface for EE rpt no rp (Mayer)
GREECE: VOA Kavala, 7270, full data capitol card in 9 days air (Wala)

RADIO MAYA de Barillas TGBA

Barillas
 Huehuetenango
 Guatemala, C.A.

Frecuencias
 2360 kc.
 3325 kc.

Es grato confirmar su reporte del día _____ de 1974, a las
 5:00-5:18 horas, en la frecuencia de _____ MHz. La hora de escuchar el Programa transmitido en lengua *K'iche'* fue difundida por medio de un transmisor *Collin 2000* de 500 Watts de potencia, utilizando una antena Dipolo.



GUATEMALA: TGMA, 3300, Quetzal card w/data, personal letter from Wayne Berger, CE. Fel tract, tourist info, 54 days air for 2 IRCs (Peraaho) TGMA, 3300, card and letter saying that they found report in files. (Stuart)
GUAYANA REP: Action Radio, 3290, form letter signed by Denis Leandro NIC. 16 days for no rp. (Schwartz)
HOLLAND: R. Netherland, 9715. World DX Handicapped Aid Year card & pennant in 20 days (Rogacski)
 V.E.R.O.N., Amsterdam, 3600, full data card and letter for 1/2 hour Dutch/English broadcast. v/s P. V. Weerles. Address; P. O. Box 9, Amsterdam. (Calkin, Eng.)
HONDURAS: R. Progreso, 4920, form letter w/all data. v/s Jerry Tolle Gerente; pennant in 23 days for 2 IRCs (Peraaho)
HUNGARY: R. Budapest, 9833, full data card in 68 days, no rp (Wala) green card and picture post card in 28 days (Earhart)
INDONESIA: Radio Manado, 5990, letter and 3 postal cards in 94 days for EE and Indonesian lang report for 2 IRCs. letter from Rein Wuisang (Foxx)
INTERNATIONAL WATERS: "De Hoop" Hospital, 2316, color photo QSL showing the ship and giving full details. Power is 500 watts. 2 weeks for mint Dutch stamps (Calkin, Eng.)
IRAQ: R. Baghdad, 9745, Map card w/full data, emblem, in 16 weeks for 2 IRCs (Hughes)

ISRAEL: IBA, 9815, card w/full data and schedul. recd report forms also in 109 days
IBF (Mohnacs) IBA, 15100, full data monument card in 137 days for 1 IRC (Hamm)
JAPAN: NHK, 3970, letter w/full data, lkw recd in 7 days. Also post cards and letter stating they want reports (Ssot)

R. Japan, 9505, Sumo Wrestler card in 10 days (Miller) 15105, same card in 12 days. IRC returned (McCarthy)
JORDAN: R. Amman, 7155, 120 days for EE report with mint stamps 3 postal cards for Aftanis Temple in Jerash card full verification. (Foxx) Same in 22 days for mint stamp (Earhart)

KOREA: R. Korea, KBS, 11925, full data card w/picture of Korean postage stamps. Used Report form. Here in 28 days by air (Ssot)

KUWAIT: R. Kuwait, 15145, full data foldout card in 34 days for 1 IRC (McCarthy)

LIBERIA: VOA, Monrovia, 6045, capitol card in 8 days air, no rp (Wala) VOA 7195 (Stuart)

LITHUANIA SSR: Lithuania R. Service, 11770, 2 cards w/drawings of tree and bird in 11 weeks no rp (Earhart)

MADAGASCAR: R. N. relay, 11730, full data world handicapped card in 7 days air for 2 IRCs (Keller)

MALTA: DW, 9745, 11865 full data multi colored circle card in 42 days air for EE rpt v/s G. Thiele no rp (Mayer) DW, 11705 & 17875 standard DW card with "Sender Malta" overprint. 34 days, test broadcast (Cambell) DW, 11865 full data card w/site and "Testsendungen" stamp in 29 days air, no rp (Wala) DW card airmail in 6 weeks with "Malta Test" stamped on it (Dexter)

MALTA: DW full data card in 32 days for EE report and 1 IRC (Smith) DW test 11865 card in 63 days by air include sked (Paschke) DW red-black card 11865 VIC # 193 (Henderson) great Dan, BZ

MEXICO: KEUDS (R. Universidad de Sonora), 6115. Printed card w/stations IEUS (sm) and KEUDS (sw), logo and Un. de Sonora on one side and statement in EE & SS about station policy on the other. Card w/freq only in 10 days for SPEEDX tri-language card and FRENDD SS later plus 2 IRCs, used US stamps, and post card of Berkely (Meehan)

NEW GUINEA: R. Chimbu, 2376 letter w/date, veri statement in 25 days for 2 IRCs. 2 kw v/s Ubun R. Makara (Ssot)

R. Western District, 2h50, letter w/data sheet in 24 days for 2 IRCs. 2 kw v/s Kedeia K Uru (Ssot)

R. Morobe, 3220, data sheet w/sked of PNG station in 30 days for 2 IRC (Ssot)

NEW ZEALAND: R. New Zealand (ZL22) 11790, 170 days for EE report and 2 IRCs to H. Taylor Smith for card with date and station call and sked (Pox) RNZ 15110, Globe card in 47 days for 2 IRCs (Reno)

NETHERLAND ANTILLES: TWR, 11815, Studio complex card in 2 months for mint stamp v/s Julius Schipper (Earhart) TWR, 11815, Flamingo card, pennant, sked, etc for 3 IRCs in 11 days (Rogack)

NICARAGUA: R. Mar, 9580, Puerto Cabezas, 5h days air for SS report, after letter to Nicaraguan military attache, DC. Personal letter signed Ricardo Perez Ulloa, Gerente Proprietario, and pennant, for one IRC (Schwartz)

NIGERIA: NBC, Calabar, South Eastern State region system, 61h5, personal letter with full details, signed U. J. Odunde for Senior Engineer, report 10 kw Gates HF-10B transmitter. 25 days air for 2 IRCs (Schwartz)

NBC, Ibadan, 320h, full data R. Nigeria card (green & white) in 26 days air, EE, for report to Lagos, v/s S.B. Eokoh, sked recd (Mayer)

NBC, Lagos, 4990, full data green and white R. Nigeria card in 21 days air EE, no rp (Mayer)

NORWAY: R. Norway, 11860, card and sked in 20 days air (Ssot)

PAKISTAN: R. Pakistan, 11672, 1 month air on 6th try, post card QSL of Shalimar Gardens Lahore, for 2 IRCs (Field)

PAPUA: R. Northern District Popondetta, 2h68, data sheet in 15 days for 2 IRCs (Ssot)

PERU: R. Libertad, 50h0, SS letter, stamps in 162 days air, 2 IRCs for EE rpt (Peraaho)

LV de Humanga, 6205, 9th try by air in 4 weeks, letter in SS & postcard v/s Nelo V. Vargas SASE not used (Field)

PHILIPPINES: VOA, 6110, full data capitol card in 9 days, no rp (Wala)

QATAR: Qatar BC Soc., white printed full data card from Doha in 1 month air for 3 IRCs (Calkin-Pakistan)

ROMANIA: Radio Budapest, 119h0, ceramics card w/full data in 12 weeks for 1 IRC (Hughes)

RYUKYU ISLANDS: VOA, Okinawa, 7165, full data card in 9 days air, no rp (Wala) 7165 card in 10 days air (Earhart)

SARAWAK: R. M. Sarawak, 5005, Ususen Kerajaan-Kuching card in 45 days for 2 IRC (Ssot)

SIERRA LEONE: SLES, 3316, long letter QSL in 163 days total after registered f/up with mint stamps (Cambell) 5980, letter w/full data and power, 10 kw. in 1 1/2 months v/s E.P. Roberts CE (Earhart)

SOLOMAN ISLAND: SIRS, VQO, 3995, full date map card in 18 days for 2 IRC (Ssot)

SOUTH AFRICA: RSA, 4575 Baobab tree card in 1h days for 1 IRC (McCarthy) 5980, full data card in 1h days (Meehan) 7275, painting card in 1h days (Stuart) 9585 card in 19 days for 2 IRC (Paschke) 9585 card, diamond picture, and pennant in 86 days for 2 IRCs (Reno)

Dear Mr. *Edmund N. Rischegger*

This Card verifies your reception of :

Syrian Arab Republic Broadcasting Service

On *July 25th 1971*

At *20.28.20.32 GMT*

Frequency *4655* Kc-Damascus, SYRIA

Power *2.5* KW

Thank you

✓ Director General
of
Broadcasting & Television
Ahmed Halwani



QSL

CARD

SPAIN: R. Nacional de Espana, 11925, picture of aerials card and sked. for EE tx, full data in 22 days by air (Reno)

SWEDEN: R. Sweden, 6045, map card, tx, freq. & time chart, books and fact sheet in 16 days air no rp (Talbot)

SWITZERLAND: SBC, Bern, Not really a QSL since it did not have any info specific to the reception but it did acknowledge the receipt of their reception form. Picture of Holbein Fountain, in 51 days (Meehan)

TAIWAN: VOPC, 17720, full data flying Genie art card in 47 days air for EE rpt, no rp, sked also recd (Mayer)

AFTN, 3990, blue card w/AFTN emblem in 15 days air. sent sked for mw & FM. Did you know that the Wolfman is on AFTN? (Snot)

THAILAND: Thai TV, 7105, KE report with 2 IRCs recd registered letter with date only v/s Danai Sriyabmai. address Thai TV Radio Soi Arce Paholothin RD Bangkok (Faxx) Bangkok Meteorological Radio, 7863, small red folder w/girl playing musical instrument and veri statement inside. 29 days (Ssot)

TURKEY: VOT, 11880, combination veri in 3 weeks (Earhart) ???

TOGO: R. Togo, 5047, map card w/full data in 22 days air for 1 IRC (Rockwood)

USA: Voice of the OAS, 9640, post card w/OAS symbol in 51 days (Paschke)

VQA, Greenville, 15205, capitol card in 6 days air (Talbot)

VQA, Delano, 11850 capitol card in 9 days air (Wala)

KGEE, 6195, card, pennant, religious articles in 5 weeks (Earhart)

WINB, 15185, plain card w/full data in 36 days for 16¢ (Meehan)

WYFR, 15130, mike card in 12 days for 16¢ (Meehan)

RCA GLOBAL, 9460, all data card in 8 days (McCarthy)

UKRAINIAN SSR: R. Kiev, 9685, 225 days for EE report and no rp for card w/full veri (red & blue card with male/female face drawing) pennant DX club membership certificate and magazines. (Foxx) full data card in 29 days for RM report form and another in 164 days for EE rpt (Smith)

R. Moscow, 11735, full data card with site in 30 days (Wala)

VATICAN CITY: Radio Vaticano, 11845, card and sked for full report in 32 days (Davidson) 9505, garden scene card full data, also Pope's picture in 16 days air for 2 IRCs (keller)

VENEZUELA: R. Nac. de Venezuela, 15390, card, no picture on it, just name of station QSL freq. in EE 2 IRC in 15 days (Reno)

R. Nacional, 6170, letter in 1 1/2 years airmail with pennant and booklet on station. v/s Zobeida R. de Qijada, Jefe de Relaciones Publicas (Calkin, Ontario)

R. San Sebastian, 6070, 2 months on 10th try. letter w/pertinent data *QSL no 13* on it v/s Marcon V. Chacin G. Director Air, same not used (Field)

VIETNAM: Voice of Vietnam, Hanoi, 10040, form letter in 1 year 6 months (Ball)

ZAIRE: L.V. du Zaire, 15345, FF letter in 1 year, 2 months after f/up for FF report. mint stamps, v/s Mabumba Bulusi, Directeur Technique (Ball) 15245, veri letter no data in 107 days seasmall, for FF report and IRC, same veri signer (Mayer)

CONTRIBUTORS TO THE DECEMBER QSL REPORT ***

*HAMM, Charles-PA * RENO, Lewis - KS * STUART, Jerry - OK * MEEHAN, Jim - CA * PASCHKE, Bill - WI * DAVIDSON, Charles - IO * MAYER, Allan - IL * BRUNNER, Charles - PA * FIELD, Marlin - MI * BALL, David - ONT * SMITH, Myron - NY * KELLER, Gladys - NY * WALA, Philip - MI * MYTLER, Gus - CA * TALBOT, Larry - WI * PERAHO, Mike - MN * CALKIN, Gregg - PAKISTAN * EARHART, Ken - PA * MCCARTHEY, Dan - IN * DEKTER, Gerry - WI * ROCKWOOD, Henry - OH * ROGACKI, Stan - NJ * HENDERSOON, Dan MD * MAHNACS, Bill - NJ * FOXK, Charles - VA * SCHWARTZ, Richard - DE * CAMPBELL, John - ENGLAND * HUGHES, John - NY * WIDERHOLD, Peter - BC * SZOT, Kevin - CA *

Well so much for my first effort at editing a column. I must stress that you print clearly or type all of your reports. Also it would be helpful if you were to separate individual items. I would appreciate it. Till next month good DX. Bob

by Jack Schmidt



"Opps... sorry, I didn't know you had the phones on!"

SCOREBOARD

EDITOR:

Neal A. Perdue
4937 S. Bilrae
Millington, Tn.
U.S.A. 38053

DEADLINE: 10th of month

PHONE: (901) 872-2133
Saturdays only

SCOREBOARD

This report is published quarterly in March, June, September and December. SPOTLIGHT this month is on North America, and will fall on Africa in March. All response to the new abbreviations in the headings has been either positive or noncommittal, so they will stand unchanged; C/H=countries heard, C/V=countries verified, S/H=stations heard and S/V=stations verified. Several errors have been pointed out to me, and I believe the system is now foolproof - it just took a while to get it organized. Tnx for bringing these errors to my attention. Once again, I request that more of you get your totals in to me --- it only takes a few minutes of your time. Blanks indicate that totals are not on file.

REPORTER/LOCATION	C/H	C/V	S/H	S/V	N.AMERICA		BEST QSL/FREQUENCY
					C/H	C/V	
1 Don Jensen, Wisc	216	211	---	---	---	---	-----
2 Gerry Dexter, Wisc	213	209	1009	801	21	21	-----
3 James Young, Cal	211	180	687	216	---	---	-----
4 Sam Barto, Ct	207	190	1125	584	---	---	-----
5 John Campbell, Switz	205	182	---	---	20	18	R. Trinidad 6085
6 Dan Henderson, Md	204	191	---	---	19	17	Turks Is. 4788
7 Bob Padula, Austrla	203	198	---	---	---	---	-----
8 Ed Shaw, Cal	203	183	577	312	18	17	CKFX Canada
9 Ernie Behr, Ontario	201	154	945	272	20	16	LV de Nahuala 3360
10 Bill Sparks, Cal	200	195	---	590	19	19	Turks Is. 4788
11 Marlin Field, Mich	197	192	782	633	---	---	Casa de la Cult. 4820
12 Dan Robinson, Pa	195	144	---	---	20	17	-----
13 Marvin Robbins, Neb	194	157	748	395	---	---	-----
14 Alan Roth, N.Y.	192	175	581	437	21	19	Barbados, 5040
15 Alan Mayer, Ill	192	140	489	230	17	16	Turks Is. 4788
16 Jim Hagen, Va	192	86	---	---	18	9	Turks Is. 4788
17 Ralph Perry, Ill	191	181	---	---	17	16	Belize, 3300
18 Bill Flynn, Cal	191	173	682	449	---	---	-----
19 Al Niblack, Ind	191	118	---	---	---	---	-----
20 Gregg Calkin, Pakistn	181	165	409	314	---	---	-----
21 Scott Reeves, Md	176	141	---	---	---	---	-----
22 Bruce Churchill, Cal	170	145	230	179	14	11	-----
23 Steven d'Adolf, Tx	164	133	216	177	16	14	R. Santiago, D.R. 3406
24 Don Johnson, Cal	164	112	321	172	---	---	-----
25 Larry Yamron, Pa	161	119	305	160	---	---	-----
26 Tom Gavaras, Mn	160	114	279	198	---	---	-----
27 Fred Baines, N Scotia	155	145	281	271	---	---	-----
28 Albert Miller, Jr. Oh	155	138	347	168	16	14	CFVP Canada, 6030
29 Charles Wooten, Md	152	122	348	254	12	11	Greenland, 3999
30 Mike Ryan, Cal	151	151	---	---	---	---	R.P.C. Panama, 9685
31 John Sgrulleta, N.Y.	149	143	---	---	17	17	Turks Is. 8000
32 Larry Abraham, Mi	146	106	262	143	---	---	-----
33 Doug Snyder, Cal	143	101	---	---	---	---	-----
34 Neal Perdue, Tn	141	53	---	---	12	7	CHNX Canada
35 Myron Smith, N.Y.	138	112	---	158	17	14	LV de Nahuala, 3360
36 Al Reynolds, Tn	136	107	247	134	---	---	-----
37 Rich Koret, N.Y.	134	90	---	154	---	---	-----
38 Jerry Lineback, Ill	134	68	279	87	16	10	XEQM, Mexico, 6105
39 Tom Cwikla, Ct	133	114	257	182	---	---	-----
40 Mark Duba, Vt	133	104	---	---	---	---	-----
41 Elliot Straus, N.J.	132	60	---	---	19	8	R. Americas, 6000
42 Larry Marshall, Cal	131	111	190	165	---	---	-----
43 Doug Burlew, Pa	131	48	291	60	---	---	-----
44 Andrew Pappas, Ill	130	118	130	118	---	---	-----
45 Joey Nonnast, Tx	130	110	229	155	14	11	CHNX Canada, 6130

REPORTER/LOCATION	C/H	C/V	S/H	S/V	N.AMERICA		BEST QSL/FREQUENCY
					C/H	C/V	
46 K.L. Greer, N.C.	130	80	---	---	13	11	HRN, Honduras, 5875
47 Greg Kelley, Va	129	96	152	123	---	---	-----
48 Steve Wallace, Pa	127	53	---	---	---	---	-----
49 Denny Driscoll, N.C.	125	112	---	---	16	16	Greenland, 5980
50 Neal Kolb, Fla	124	72	273	---	---	---	-----
51 Bill Paschke, Wis	122	75	248	94	13	10	R. Grenada, 11975
52 Richard Schwartz, Del	121	81	167	118	---	---	-----
53 David Simon, N.Y.	121	77	271	146	---	---	-----
54 Marty Austin, Ct	118	84	211	123	---	---	-----
55 Steve Estes, Va	118	53	205	59	---	---	-----
56 Wade Smith, ?	114	58	---	---	---	---	-----
57 C.R. Patterson, Ga	113	101	308	156	---	---	-----
that's a lot of stns for	113	countries-	pls	get	back to me if wrong, CR		
58 Arthur Smith, Ala	111	80	147	94	16	11	CHNX, Canada
59 Woody Seymour, N.C.	110	92	155	120	13	11	R. Casino, C.R. 5954
60 Darrell Buxton, Cal	109	69	---	---	---	---	-----
61 Mac Leonhardt, In	107	65	---	---	15	9	CFVP, Canada 6030
62 J. Dileo, Ct	105	91	---	---	14	9	HRN, Honduras, 5875
63 Jeremy Forster, N Scot	104	59	---	84	---	---	-----
64 David Ball, Ontario	102	86	156	112	---	---	-----
65 Michael Agner, N.J.	101	73	213	75	13	9	Turks Is., 4788
66 William Zuk, N.Y.	97	55	---	---	---	---	-----
67 Elton Hewitt, Id	95	81	116	102	13	---	-----
68 Irving Kaufman, N.Y.	95	56	123	85	---	---	-----
69 Mildred Marshall, N.D.	94	86	134	118	---	---	-----
70 Edward Pyatt, Ga	94	84	127	103	4	4	XEXQ, Mexico, 6045
71 John Kolb, Cal	94	84	110	101	---	---	-----
72 Corky Webb, Tx	94	80	161	111	14	12	LV de Nahuala, -----
73 Larry Nebron, Cal	93	60	125	80	---	---	-----
74 Jerry Word, Ga	89	75	---	---	---	---	-----
75 Wallace Peters, N.Y.	86	50	96	54	---	---	-----
76 William Plum, N.J.	84	70	169	127	---	---	-----
77 David Coursey, Tx	80	51	136	56	---	---	-----
78 Kevin Atkins, Ala	79	38	103	45	12	7	CHNX, Canada 6130
79 Henry Fino, N.Y.	77	55	90	64	13	10	CBC, Canada, 5960
80 Keith Russell, Ill	75	32	---	---	13	4	-----
81 Allen Courtney, Ky	74	23	123	24	11	2	R. Ned. Bonaire 11730
82 Donald King, Pa	71	60	106	82	---	---	-----
83 Bryan Price, Ky	69	35	138	43	11	7	4VEH, Haiti, 11835
84 John Walenter, Ill	67	62	73	68	---	---	-----
85 Frank Hermann, Quebec	65	52	89	61	---	---	-----
86 Ciro Guarducci, B.C.	65	49	123	68	---	---	-----
87 Gus Miller, Cal	61	38	90	59	10	8	R. Mexico, 15125
88 Adam Gaffin, N.Y.	60	40	84	51	9	7	CBC, Canada, 5960
89 Norman Starr, Oh	60	22	---	---	---	---	-----
90 Pat Tobin, Pa	59	36	74	38	9	4	4VEH, Haiti, 11835
91 Mark Brown, Oh	58	48	82	67	---	---	-----
92 Dan McCarthy, In	58	43	86	52	10	7	R. Swan, Swan Is 6000
93 Jim Davis, Cal	52	42	75	54	9	5	-----
94 J. Cole, Col	51	30	61	31	---	---	-----
95 R. MacLeod, Pa	48	7	73	12	---	---	-----

For Eastern Caribbean

9.55 Mc/s }
 5.01 Mc/s } 5 kW
 3.365 Mc/s }

For St. George's Grenada

1040 kc/s -25 kW

For Jamaica

14.08 Mc/s -25 kW
 ~~14.08~~ Mc/s -25 kW

2100-0215 GMT.

[3.365 Mc/s replaces 5.01 Mc/s at 2230 GMT.
 9.55 Mc/s for special daytime b/casts. only.]

WINDWARD ISLANDS BROADCASTING SERVICE

BROADCASTING HOUSE,
 GRENADA, B.W.I.



LOG REPORT

SECTION - A

EDITOR: ROBERT J. HILL, JR., 2923 FLORENCE ST., #304, BERKELEY, CA 94705

(Frequencies: 1605-6200 kHz)

DEADLINE: 15th of MONTH

PLEASE NOTE: Effective immediately, reporting deadline for Section A is the 15th of each month. Material other than log reports (e.g., general correspondence, love letters, bomb threats) can reach me as late as the 18th and still be considered for publication. All complaints about my editing are to be sent directly to Charlie Loudnboomer and must reach him the day before you read this. My phone # for last-minute tips: (415) 549-3963.

Fewer reporters checked in this month than last, but the quality of DX -- well, if it wasn't reported, it's not on the air. EB! Hold tight, 'cause heereee we gooooo . . .

- 2200 CHINA. Foochow, Fukien. 1438 M in CC // 2340, F/O (faded out) 1455; F (Sztot 11/9).
2307 JAVA. RRI, Jakarta. 1448 light pop instrumentals, no ancts between selections, not // 2450/2380; F. In RRI net relay 1507 ck; G. This on 11/11, date of fantastic opening to Indonesia (particularly Java). Next morning, no 2-MHz Indos audible! (Hill).
2340 CHINA. Foochow, Fukien. 1225 CC mx, bad QSB; 1307 better, 1318 great. 120MB CC stns super-strong this date (Sztot 11/9).
2350 CHINA. Tsinan, Shantung. 1420 F/I (fade-in), 1444 M chanting w/ chorus, sound effects, etc; P. Not as good as other CC's on this band (Sztot 11/9).
2350 JAVA. RRI, Yogyakarta. 1450 light mx, F, completely atop Tsinan. 1506 ck, M in Indo w/ net relay; G (Hill 11/11).
2360 GUATEMALA. R. Maya de Barillas. 1130 K'anjobal (Indian lang), SS ID's, relig pgm on a Sun; F; better by 1210, local mx (Sztot 11/10).
2370 JAVA. RRI, Surabaya. 1505 in network relay // the others; F (Hill 11/11).
2380 JAVA. RRI, Jakarta. (See 2450.)
2390 INDONESIA. UNID 1505, M in Indo, RRI relay. Three Indos listed this freq; ARDXC and DSWCI surveys don't agree on skeds, so can't tell from that (Hill 11/11).
2390 MEXICO. R. Huayacocotla. *1058, SS mx, sev ID's, 1130 T/O; F (Tuchscherer 10/14).
2420 JAVA. RRI, Bandung. 1452 W pop vocal; F; RRI relay 1502 ck (Hill 11/11).
2430 CHINA. PLA, Fukien. 1306 CC W, singing, CC mx, all the usual junk; P (Sztot 11/9).
2440 JAVA. RRI, Surakarta. 1453 Asian-type pop vocal by W; F; RRI relay 1502 ck (Hill).
2450 JAVA. RRI, Jakarta. 1429 mx, 1430 ID, more mx, 1433 F/O. Rats! Not enough for a report (Sztot 11/9). But on 11/11, T/I 1435, weird, exotic native mx and W vocal; F but het QRM; strong by 1445; into RRI relay 1500. // 2380 also audible thru wicked RTTY signal (Hill).
2475 CHINA. Hangchow, Chekiang. 1233 gongs, weird noises, CC singing; F. 1447 ck, very strong (Sztot 11/9).
2475 JAVA. R. Angkatan Bersenjata/Udara (or whatever the correct name really is these days). 1500 w/ RRI relay; completely atop Hangchow; F (Hill 11/11).
2490 SULAWESI. RRI, Ujung Pandang. 1455 Asian-type vocal; co-channel QRM from possibly another Indo; RRI relay 1500; F (Hill 11/11).
2503 INDONESIA. UNID 1457 M in Indo; QRM from another Indo about 500 Hz higher; seemed to go off at 1500. U/L (unlisted) (Hill 11/11).
2503½ INDONESIA. UNID 1458 M in Indo, good solid RRI-type modulation; familiar RRI joiner theme 1459 and into relay; F at first, then G as soon as Indo on 2503 disappeared at 1500 (Hill 11/11).
2510 S. KOREA. Taegu. 1303 M in KK mx; G (Sztot 11/9).
2606V N. KOREA. Wonsan. (T) 1159 mx, anct in lang, 4-pip T/S (time-signal) w/ last pip higher; more tlk (Hauser 10/13). 2610V, 1403 KK by W, mx, chorus, // Pyongyang/2850; F. Just above PLA/2600 (Sztot 11/9).
2624 INDONESIA. UNID 1508 in RRI relay; F. Unlisted (Hill 11/11).
2775 N. KOREA. Hamhung. 1426 Home Svc in KK; // 2850/2610V but not as good (Sztot 11/9).
2850 N. KOREA. Pyongyang. 1145 KK drama; F (Hauser 10/13).
2906 INDONESIA. UNID 1513 in RRI relay; G. Unlisted (Hill 11/11).
3016 N. KOREA. Pyongyang. 1143 JJ, mx; P (Hauser 10/13).
3122 (T) JAVA. RPKD, Serang (listed 3121 in ARDXC Indo Survey). 1515 M & W in Indo discussion; P/F (Hill 11/11).
3140 S. KOREA. Hlda, Cheju-do. 2nd harmonic of this MW BC stn positively identified w/ call-letters heard 1400 on 11/12 (Hill).
3165 JAVA. RPKD Kotamadya, Surabaya. Pop mx, ID, RRI relay 1500; low mod (Henderson).
3204 JAVA. RRI, Bandung. 1105-45 RRI mx, local ID, pop EE and Indo songs, freq mention of Bandung (Sparks 10/20). 1130-40 W in Indo, local mx; F (Meyer 10/15). 1435-1500

- w/ Hindu-type vocals (thought sure I had AIR, Lucknow) till 1500 IS/ID; F then; E by 1545 (Henderson).
- 3205 INDIA. AIR, Lucknow. 1320 mix RRI w/ Hindi ancts (Willis 10/19). 1420 SC (subcontinental) vocal, very exotic; no ID copied at 1430; F but severe het from Bandung about 800 Hz lower (Hill 11/12).
- 3212 N. VIET NAM. Hanoi. 1445 VV-type mx and tlk; F. First time heard by me (Henderson). (First time I've seen it reported. BH.)
- 3215 DOMINICAN REP. R. Libertad. 0030 musical pgm (Field 10/12).
- 3220 PAPUA NEW GUINEA. R. Morobe. 1155 Islands mx pgm; F w/ rapid flutter/fading from propagation storm underway; QRM de Peking (Henderson 11/7). (T) Likely the stn 1237 w/ mx; good date for PNG as several other 90M outlets in (Hauser 10/13).
- 3227 LIBERIA. ELWA. 2210-20 native singing, M in vernac; wk, QRM (Earhart 10/22).
- 3245 (T) PAPUA NEW GUINEA. R. Kerema likely the stn 1237 w/ mx (Hauser 10/13).
- 3250 S. AFRICA. SABC. 0110 light mx, tlk in Afkns; G (Wallace). 0145-55 EE/AfKns, ID, pop mx; F. 0200-15 same + ads; F (Schwartz). 0315 same; F (Zilmer). 0325-55 EE ID, mx, T/C (time-ck) (Schwartz).
- 3259 JAPAN. NHK relay, Sendai. Around 0915, M in JJ; muffled, like carrier + SB (Hill).
- 3260 CHINA. Kweiyang, Kweichow. 1100 CC mx, M & W in CC, ID 1106; no PNG (Szt 11/10).
- 3260 NIGER. Niamey. 0554-0605 drum/flute mx, native chants; F/G (Estes 11/9).
- 3260 (T) PAPUA NEW GUINEA. R. Madang assumed the one 1236 in vernac; F (Hauser 10/13).
- 3265 MOZAMBIQUE. RCM. 0345 EE under MARS SSB; dedications, pop mx, ads; ID 0400; gone 0410 ck. No other Africans audible in 90MB (Hill 11/12). 2145-55 "B" Pgm, EE DJ-type pgm, U.S. pops, M ancr (Straus).
- 3265 UNID. Latin 0300 choir mx, 0305 ID or ad, more choral mx (J.Davis) (Not RCM? BH.)
- 3275 (T) PAPUA NEW GUINEA. R. Southern Highlands. 1218+ mx (Hauser 10/13).
- 3275 VENEZUELA. R. Mara. 0358-0400 SS, closing ID, N/A (Nat'l Anthem); F (Mayer 10/23).
- 3295 VENEZUELA. R. Trujillo. 0235 L/A mx, SS ID's, 0255* w/ N/A (Tuchscherer). 1025 vocals, clear SS ID, fading out by 1040; F (Earhart).
- 3300 GRENADA. RG. 0211 EE, ID, 0215*; F (Gaffin).
- 3300 GUATEMALA. R. Cultural. 0300-0414 EE, "Back to the Bible," ID's, relig mx; F/G (Zilmer, Brunner, Courtney, Russell).
- 3305 PAPUA NEW GUINEA. R. Western District. 1220 tlk on radio's impact on PNG; Moog mx and Pidgin; F (Hauser 10/13).
- 3306 JAVA. RRI, Malang. 1518-1531*, "Love Ambon" at s/off; G (Henderson 11/5).
- 3316 SIERRA LEONE. Freetown. 0607 EE T/C's, ads, highlife mx; E (Estes 11/9).
- 3322 BOUGAINVILLE I. RR. 1235 EE/Pidgin, mention of B'ville; 1240 local mx, 1301 gave freq, played N/A, 1304*; F on 10/15. 1225 chicken rock, 1238 medievale (European) choral mx on 10/13 (Hauser). (Chicken rock? Anything like "Crocodile Rock"? BH.)
- 3325 BRAZIL. R. Borborema. 2347-0025 sports event, ID's (PP) 2354 and 0021; good level but heard on 10/25 only (Tuchscherer).
- 3325 GUATEMALA. R. Maya de Barillas. 1030 opening ID, pop mx (Sparks). 1125-32 SS, ID, semiclassicals and E/L (easy-listening) instrumentals; E (Lineback).
- 3335 PAPUA NEW GUINEA. R. Wewak. 1226 giving freqs; G (Hauser 10/13).
- 3339 ZANZIBAR. RTVZ. 0310 chants; QRM; P (Mayer 10/26). (T) 0320 Afro mx, M in lang; VP (Wallace).
- 3344 HAITI. 4VEH. 0015-25 EE relig pgm; F/P (Brunner). 0959 SS relig pgm; F (Jones). 1012-25 organ mx, M in SS, hymn, poss sermon (Earhart).
- 3355 INDIA. AIR, Kurseong. 1502 Hindu mx on 11/5. Next day, 1503 SC mx pgm, 1530 AIR net mx in EE; QRM de RRI (Henderson).
- 3355 JAVA. RRI, Sumenep. 1500 ID, "Warta Berita," Hindu-type mx; F w/ QRM de AIR (Henderson). (Hmm, about all I ever hear on 3355 is a huge RTTY sig and occasionally Noumea. Obviously it's different up in Washington State! BH.)
- 3360 GUATEMALA. LV de Nahualá. 0310 SS, local mx; F (Zilmer). 1132-35 local Indian lang, SS vocals, ID; E (Lineback).
- 3360 PAPUA NEW GUINEA. With Guatemala almost gone, 1227 W in lang, 1229 ID "Dept. of Nat'l BC'ing," chimes, T/C for 10:30; refs to other stns/freqs (e.g., "9PA/1250) in s/off ancts; PNG anthem + "GSTQ" to 1235*; F (Hauser 10/13).
- 3365 VENEZUELA. R. Puerto La Cruz. 0100, 0250-55, 0305, 0340-50, *1000-10, 2245-2300, usual L/A pgms (A.Miller, Lineback, McCoy, Schwartz, Earhart, Tuchscherer).
- 3375 INDIA. AIR, Gauhati A. 1445 EE ID for AIR, ancr "R. Newsreel" to follow; F/G on 11/14. Indian regionals showing poorly so far this season, at least here (Hill). 1530 AIR EE net mx; F; // 3355/3255/3223 all P (Henderson 11/5).
- 3380 ECUADOR. R. Iris. 0509 SS, ranchoero & L/A mx, ID, M & W ancrs; "We are returning to the air at 7 A.M." ancd at 0530* (Brookwell).
- 3385 NEW BRITAIN I. R. Rabaul. (T) 1235 mix QRM (Hauser 10/13). 1243 Pidgin, old songs ("When You and I Were Young, Maggie"); P (A. Miller 11/3).
- 3385 VENEZUELA. R. Barcelona. 0245-50 SS, ID, mx, ads; fading; F/P (Lineback).
- 3390 ECUADOR. R. Zaracay. 0458 SS, relig pgm re divorce, echo ads for coffee (Brookwell). *1030-45 SS, ID, Andean mx, ads, very clear ancr; F (Earhart).
- 3395 VENEZUELA. R. Universidad. 0215, 0305, (T) 1010-20 (Courtney, McCoy, Earhart).
- 3400 CHINA. PLA, Fukien. 1128 W in CC, singing/martial mx, ID by M 1130, then cmntry by M & W; QRM; P (Brookwell 10/15).
- 3403 INDONESIA. UNID RPKD 1541 pop vocals, M in Indo; F (Henderson 11/6).
- 3414 SUMATRA. RRI, Medan. 1540 Indo pop vocal by W; F (Henderson 11/6).
- 3433 JAVA. RPKD, Kediri. 1414-33 mx, W DJ in Indo, clear Kediri ID 1433; F; not heard since (Szt 10/27). 1530 Moslem mx, ID prior to 1600*; G (Henderson).

- 3441 INDONESIA. UnID RPKD. 1535 Indo tlk; F (Henderson 11/6).
 3445 (T) JAVA. R. Siaran EDK, Pasuruan. Moslem mx, 1545 RRI ID; F (Henderson).
 3454 INDONESIA. UnID RPKD. 1539 pop vocal by W; G (Henderson 11/6).
 3463 JAVA. RPKDK, Pasuruan. 1538 pop vocal by W, Indo lyrics; F w/ het (Henderson 11/6).
 3474 JAVA. RPKD, Jombang. 1544 pop mx pgm to 1604*; clr ID 1600; F (Henderson 11/6).
 3510 SUMATRA. RPKD Simalungun, Pematang Siantar. Although sked shows only 0230-0420 and 0800-0920, also operates 1000-1600 (Tyson via DSWCI). (// 4650? BH)
 3551 UNID. 1154 RR(?), piano mx, 1201 more RR(?); P (Sztot 11/9). 12).
 3560 N. KOREA. Pyongyang. 1254, not sure of lang, tho EE sked this time; P (Hauser 10/
 3607 JAPAN. NHK relay, Kawaguchi. 1244 JJ, 1245 ID, discussion to 1257*; F (Sztot 11/9).
 3640 CHINA. PLA, Fukien. 1135 long borin' talks in CC, seemed // 3535; F (Sztot 11/9).
 1235 W in CC; P (Hauser 10/12).
 3696 N. KOREA. Pyongyang. 1253 in CC; P (Hauser 10/12).
 3775 LESSER SUNDA IS. RPKDK, Sumbawa I. Nice pop mx, 1423 and 1430 ID's; F (Henderson).
 3800 JAVA. RPKDK, Jember. 1225 Indo pops, tlks; F (Henderson 11/5). 1258 ancts, 1259
 joiner theme, Jember ID, Jakarta mx relay; 1320 ck, back in local pgm; F (Hauser).
 3830 CHINA. R. Peking. 1340 CC mx to Taiwan; VP (Sztot 11/9). son).
 3895 JAVA. RPKD, Sidoarjo. 1545 nice C&W mx, clr ID 1558, "Love Ambon" 1600* (Hender-
 3900 (T) CHINA. PLA, Fukien. 1042 seeming CC, W ancr, mix singing/martial mx; bad QRN
 and SSB QRM (Brookwell 11/2). (You can ck for //s: 4840/4380/3535/3400, etc. BH).
 3910 JAPAN. FEN. 1142 EE, usual Army pgm; F (Brookwell 10/15).
 3915 MALAYSIA. BBC Tebrau. 1156 Oriental pgm; ham QRM; P (Brookwell 10/15).
 3925 JAPAN. NSB. 0706 JJ, typical pgm // 3945/6055/9595; G (Odlin). (But 3945 should be
 carrying 2nd Pgm this time // only 6115, no? BH). 1158 W & M, "W" pips 1200 (B'well).
 3945 JAPAN. NSB. 0707 JJ // 3925/6055/9595; G (Odlin). (See 3925 comment. BH).
 3955 S. AFRICA. Springbok R. 0356 OC (open carrier), 0358 IS, bird chirps, *0400 M
 ancr, N/A; P (Odlin 10/21).
 3965 KALIMANTAN (BORNEO). RRI, Pontianak. 1159 flute-type instrumental mx, 1200 ID; F,
 ham QRM (Sztot).
 3980 S. AFRICA. Springbok R. 0330 Afkns, mx; F (Zilmer).
 3985 CHINA. R. Peking. 1200 IS, 1201 fanfare, CC ID's, nx(?); F, lots of ham QRM (Sztot).
 3990 TAIWAN. AFNT. 1336 EE, pop mx; P; was heard better during summer (Sztot).
 3995 ASIATIC RSFSR. QTH unknown. 1129 IS, 1130 W in RR(?); G (Sztot 11/9).
 3995 S. AFRICA. R. RSA. 0345 EE, mx; F (Zilmer).
 4000 SULAWESI (CELEBES). RRI, Kendari. 1231 local nx, Indo mx; F (Henderson 11/7). Pre-
 sumed Kendari 1245 w/ repetitive tune, Indo ancts (Hauser 10/12).
 4020 CHINA. R. Peking. KK 1125 // 5975; is RF (reactivated freq) (Willis 10/26).
 4035 CHINA. Lhasa, Tibet. 1130 CC ancts // 9480; not loud (Willis 10/25). (Michael,
 isn't that parallel freq 9490? BH).
 4046 UNID. 1425 chants, weird native vocal mx, SC-type wailing; wk, fluttery, het QRM;
 unreadable by 1500. Perhaps Rawalpindi QSY from nominal 4060? Some Pakistani xmtrs
 are very unstable (see 5020V) (Hill 10/12,13).
 4115V CLANDESTINE. V. of the Revolutionary Party for Reunification. 1255 inspirational
 mx, W in KK, 1300 hauntingly beautiful IS, nx by M (Hauser). (Sked EE 1400-30. BH).
 4275 (T) N. KOREA. Kanggye. 1256 mx; G (Hauser 10/13).
 4345 UNID. 1155 CC(?) by M & W, mx, // 4385 (Brookwell 10/19). (Undoubtedly PLA, and
 the correct freq is 4331. BH).
 4385 UNID. 1155, same as above (Brookwell). (Correct freq is 4380. BH).
 4490V N. KOREA. "No-name stn" (per Japanese monitors). 1345-1400* KK (B. Davis).
 4545 KAZAKH SSR. Alma-Ata. 1420 RR ancts; F (Willis 10/15). (Seldom reported. BH).
 4635 TADZHIK SSR. Dushanbe. 0120 RR; F (Salmaniw 10/14). 0200 pips, RR ID, IS, tlk
 (Estes 10/27).
 4650 SUMATRA. RPKD Simalungun, Pematang Siantar. 1115-45 Moslem chants and local mx, ID
 1130; F (Henderson 11/5). (// 3510? BH).
 4678½ ECUADOR. R. Nac. Espejo. 0100-05 SS tlks, ID; F (Courtney). 0428 Ecuadorean mx,
 0433 SS ID; F (Cress).
 4719 SULAWESI. RRI, Ujung Pandang. 1248 Indo relig(?) pgm; off 1256 but back on again
 1300 (Odlin). (T) 1258 Indo mx, G (Lineback 10/12).
 4755 BRAZIL. Rdf of Maranhão. 0845 PP, samba mx, nx; G (McCoy).
 4764 SUMATRA. RRI, Medan. 1150 Indo ID by W, guitar theme, Indo vocals; F/P (Lineback).
 4766 (T) COLUMBIA. R. Catatumbo. 1050-56+ SS, then vocal, ads; het on at 1100 (Earhart).
 4766 ECUADOR. CRE. 0315-35 SS, L/A mx (Tuchscherer).
 4770 LIBERIA. ELWA. 0615-30 to W. Af.; relig pgm, ID, pgm details, hymns; P (Schwartz).
 2225-2245 organ & vocal hymns; don't think // 3227 but latter inaudible (Earhart).
 4770 VENEZUELA. R. Bolívar. 0100 SS, ID, gave freqs, mx; G (Courtney).
 4772 ECUADOR. R. Cenit. 0403 SS, L/A mx, 0427* w/ N/A -- a big surprise, since for
 years they have closed w/ "Stardust" (Tuchscherer 11/1).
 4775 AFGHANISTAN. Kabul. Since 10/22 most eves, 0120 OC, 0125 solo flute, 0128 W anct
 in Pushto or Dari, 0129:55 three pips, ancts by M & W, into chants till F/O around
 0200. Constant het QRM; fairly strong but w/ rapid shallow QSB (Hill, Sztot)
 4775 INDIA. AIR, Gauhati B. 1200 lang, instr mx, 1215* (Tuchscherer 10/28).
 4777 GABON. Libreville. 2212 chants; F w/ het (Salmaniw).
 4780 DOMINICAN REP. Onda Musical. 0056-0105 SS ID's mx; G/E (Courtney).
 4783 HONDURAS. R. Juticalpa. 2335-55 SS, mx, L/A mx (Tuchscherer).
 4783V MALI. Bamako. 0608, 0635, 0645 various days; ID's, ancts in FF & vernac, Afro rock
 and native; F/G (Cress). 2220 FF, mx, 2230 ID; G (Wallace).

- 4785 CHINA. Kunming, Yunnan. 1050 M in CC; maximum selectivity needed to pull through big RTTY sig about 500 Hz higher. First time have heard this one (Hill 11/9).
- 4788 TURKS I. VS18. 2130-40 EE, wx rpts, mx; barely readable (Straus).
- 4791V ECUADOR. Em. Atalaya. 0126-40 SS, ID, mx; F (Courtney).
- 4800 CHINA. R. Peking. 1155 CC tlk; G (Lineback 10/14).
- 4800 ECUADOR. R. Popular Independiente. 0603 SS, ID "Popular de Cuenca" (McCoy).
- 4805 BRAZIL. Rdf of Amazonas. 2340 long PP speech about Amazon; pop mx; F (A. Miller).
- 4805 JAVA. RRI, Jakarta. 1140 Indo, light mx; P (Mayer 10/15). 1155 Indo ancts by W, guitar theme, 1200 pips, more mx; F (Lineback 10/14). *2158, 2200 Indo mx, still audible 2300+. Unusual, as F/O time normally c. 2215 for these stns (Padula 10/26).
- 4807 DOMINICAN REP. R. Norte, Santiago. 0410-0630+, requests being taken over telephone and pops played; Z-4 T/C's, at least 15 ID's. New (as far as I know) stn presumably relays HIAQ (720 kHz per WRTH, 725 per Vane Jones list). Tough copy when fax on, quite good when channel clear (e.g., 0430 on 11/14) (Hill 11/12).
- 4810 GALAPAGOS IS. LV de G. 0440 SS, L/A mx, N/A 0452*; atop SABC 11/2 only (Tuch'rer).
- 4810 S. AFRICA. Springbok R. 0402-10 EE, mx, chimes, ads (Lineback, J. Davis). 2140 EE, mx, 2208*; bad QRM; P (Lineback).
- 4810 VENEZUELA. R. Popular. 0215 SS ID's, jingles, mx (Courtney). 0400 clr ID; P. No wonder Galapagos is so hard to get! SABC not a bother here (Brookwell).
- 4815 UPPER VOLTA. Ouagadougou. 2240 FF speech, ID; F (Wallace).
- 4815 UNID. 1218 lang, M w/ tlk; P. Pakistan or China? (Lineback 10/14) (More likely Peking, as Pakistan not sked that time per Trop Bands Survey. BH).
- 4820 (THE) GAMBIA. Banjul. 0659 EE ID, 0700 BBC pips, World Svc nx; G (Hauser 10/14).
- 4825 (T) ASIATIC RSPSR. 1200-05, W in seeming CC; weak (Tuchscherer 10/14).
- 4825 DOMINICAN REP. LV de las Fuerzas Armadas. 0125-0402* SS, ID's, classical & semi-clas mx (A. Miller, Cress, Behr). (Good to hear from you again, Ernie -- let me know your address! BH). *1000 anthem, ID, then QRM'd out by het from another stn s/on (Sparks). 1030 mx, 1040 complete ID (Field).
- 4825V ECUADOR. R. Luz y Vida. 0420 SS, Ec. mx; 0500 EE ancts, incl QTH, said // 1450 kHz (Odlin). 0440-50 SS, variety of mx; P (Tuchscherer).
- 4831 THAILAND. Bangkok. 1300 Thai tlk, oddly // Thai TV on 7108. 4830 had not been hrd for a while, leaving Shenyang clr; now the mess is back (Willis 10/19).
- 4832 COSTA RICA. R. Capital. 0330 SS, Latin mx; G (Odlin).
- 4835N S. AFRICA. SABC. 0400-15 EE tlks on agriculture (Behr, Szot, Sparks). 1625 mx from "Brigadoon," EE ancts, past 1635; steady, F via LP (longpath) (Hill 11/9). 2150 light mx, ID & pips 2200, relig pgm to 2207*; F (Mayer 11/2).
- 4840 VENEZUELA. R. Valera. 0144 SS, L/A mx; P (Jones).
- 4845 BOTSWANA. Gaborone. 0358 cowbells IS, ID in Setswana, then tlk, local mx to 0410 T/O; QRM de Colombia; F (Mayer 10/26).
- 4845 COLOMBIA. R. Bucaramanga. 0355 SS ID's, L/A mx; P/F (Courtney). 2335 ID; first time heard in evening for quite a while (Field 10/15).
- 4845 (T) MALAYSIA. Kuala Lumpur. 1245-50 Hindi(?), Indian mx; G. RM's Red (Indian lang) Network listed here (Lineback 10/12). (Likely RM, but beware RRI, Ambon, here, BH).
- 4845 MAURITANIA. Nouakchott. Back on this freq after using 4850 for a time. 0656 AA chants, 0658 ID in accented FF; strong (Hauser 10/13). 0700 AA tlks, chants, sometimes Koran readings 0710, 0800*; reception via LP (Padula). 0723 Af singing, Koran chants, fast drum & flute mx; P (Brookwell). 2135-2300 AA, chants, ID's, also some FF; G (Straus, Salmaniw, Schwartz, Tuchscherer, Wallace, Mayer). (One reporter said this was Kuala Lumpur on 4847, another said it was Syria on a new freq -- and neither expressed the slightest doubt about the correctness of his assumption! Your identities will not be revealed this time, gentlemen, but mend your ways or we'll send Charlie L. out to waste you! BH).
- 4850 DOMINICAN REP. R. Clarín. 0230-0520 SS, mx, ID's (Tobin, Russell, Pyatt, Odlin).
- 4850 (T) UZBEK SSR. Tashkent. 1215-34 RR, vocals in seeming local lang, W definitely in RR; G (Lineback 12/19).
- 4855 COLOMBIA. R. Neiva. 0115-25 SS, L/A mx; ute QRM; P (Tuchscherer).
- 4855 SUMATRA. RRI, Palembang. 1252 Indo, mx, lots of ID's (Szot). 1300 net nx, local mx, vocals ID's, ½-hour drama, 1400 non-net nx, by 1412 barely audible (d'Adolf).
- 4860 VENEZUELA. R. Maracaibo. 0333 fast SS tlk, ID's; P/F (Russell).
- 4865 AZORES. Ponta Delgada. 2210-20 PP, long piano piece, 2215; F (Mayer).
- 4865 BRUNEI. Berakas. 1225 M & W in Iban, mentions of Brunei & R. Brunei; F (Szot).
- 4865 COLOMBIA. LV del Cinaruco. 0130 sports, 0200 CARACOL nx (Field). 0400 nx (Tuch.)
- 4871 W. IRIAN. RRI, Sorong. 1240 Indo, Oriental and C&W mx; P (A. Miller). (T) 1252-1302 Indo, nice mx, ancts by W, 1300 pips, nx; G (Lineback 10/12).
- 4875 BOLIVIA. La Cruz del Sur. To 1000 Andean mx, 1000 relig BC (Field 10/16).
- 4875 S. AFRICA. R. RSA. 0401 Afkns; E. 2130 instrumentals, ID, N/A 2208*; P (Lineback).
- 4877 S. VIET NAM. Saigon. (T) 1221 lang tlk by W, unreadable; VP (Lineback 10/14). 1500 T/T, 1503 nx in VV; G; best ever heard here (Szot 11/3).
- 4880 UNID. 1300 JJ, "W" pips; P. Logged/taped often (Brookwell). (Probably Saigon. BH).
- 4885 COLOMBIA. Ondas del Meta. 0330 SS, ID; F/G (Russell).
- 4885 PERU. R. Huancavelica. From 0503 after Colombia s/off. Andean mx, ID, N/A 0511*; nice lvl. Monitored nightly from 0455 till I finally caught them outlasting Ondas del Meta (Tuchscherer 11/2). (Nice work, John -- shows what patience will do! BH).
- 4885 SUMATRA. RRI, Bukittinggi. 1525 Moslem chants, 1cl ID 1530* (Padula).
- 4887 BRAZIL. R. Pioneira de Teresina. 2218 PP tlk; P (Salmaniw). back).
- 4890 BANGLADESH. Dacca. 1200 EE nx about Bangladesh, atop Papua till 1207 F/O; P (Line-

- 1412 local SC mx; nice sig (Henderson 11/5). 1515 Bengali tlks, 1530 Home Svc ID and into EE nx; continues to 1730* (Padula). (Sparks).
- 4895 (T) MOZAMBIQUE. Beira. 0430 Af singing, W in lang; mentioned Beira but no ID hrd
- 4896 SARAWAK. Kuching. 1140 M & W in lang nx; P (A. Miller 11/5).
- 4897V N. VIET NAM. Hanoi. 1450 M & W in VV, poss ID 1459, mx, W 1501; strong but w/ raunchy hum on carrier; // 4707/7373. This on 11/12. Next day 1307 ck, same grungy quality. Next day 1540 ck, only OC. Drifts 200-300 Hz up and down. Don't know if this is same outlet sked *1600, listed 4892, heard there last Feb. (Hill).
- 4900 VENEZUELA. R. Juventud. 0345 mx, N/A 0400* (Odlin, Russell). 1035-45 (Earhart).
- 4904 CHAD. N'djamana. 0440-55 FF, Af mx; VG (Tuchscherer). 0528-29 two series of trumpet blasts, FF ID, relig choral mx to 0542; bad hum on sig from 0540; P/F (Cress). 2205 lang, Af mx; P (Lineback).
- 4905 BRAZIL. R. Relógio Federal. 2345 PP, T/C, prob nx; G (Field).
- 4907 CAMBODIA. Phnom Penh. 1101-15 nx in VV (apparently new); 1115 continued in Khmer w/ national mx (Padula 10/20).
- 4910 ECUADOR. Em. Gran Colombia. 0300-45 SS, ID, mx, nx; G (Lineback).
- 4910 VENEZUELA. R. Carora. 0000 SS ID, tlks, ads, mx; F (Courtney).
- 4914 CHINA. Nanning(?). 1345-1400 EE/CC lesson; G (Henderson 11/6). (Dan, I ckd this A.M. -- this one not Harbin, which is still on 4925 // 5950. Outlet here should be // 8759V till 1230 or so, but latter not audible lately. BH).
- 4915 BRAZIL. (T) R. Araraquara. 2350 PP ID after nx, then mx; G (Field).
- 4915 GHANA. Accra. 2155-2259+. Vernac tlks, EE nx 2245-54, seemingly singing ID 2259 fldw by tlk in vernac (Schwartz, Salmaniw, Lineback, Cress).
- 4920 ASIATIC RSFSR. Unlisted outlet 1440 RR vocals, brief RR ancts, mix badly w/ AIR(?) and unreadable by 1455. Operation seems irregular (Hill 10/12).
- 4920 HONDURAS. R. Progreso. 0124 ending SS arithmetic lesson from Acción Cultural Popular de Honduras, Cadena Suyapa; 0126 R. Progreso ID w/ "Dragnet" theme, continued w/ cmcl pgm; G (Hauser). 0430 many slogans, whistling ID's, usual L/A stuff plus recent U.S. rock, 0500* w/ theme from "Dr. Zhivago." Best stn on band (J. Davis).
- 4920 INDIA. AIR, Madras. 1527 SC mx, W ancr, 1530 six pips, into EE nx by M & W; bad co-channel QRM causing lowpitched het (Hill 11/10).
- 4920 UNID. 0045 Turk-type mx mix Honduras; deteriorating steadily and out by 0100. Am inclined to think AIR, but sked shows *0100 (Hill 11/10).
- 4925 CHINA. Harbin, Manchuria. 1010 Oriental wailing by W; bad QRM/QRN (Brookwell).
- 4926 EQUATORIAL GUINEA. Bata. 0515 SS, local mx, 0530 ID; F. Also 2200 ID, N/A, 2202*; G (Mayer).
- 4930 DOMINICAN REP. R. Mil. 0440-50 SS, mx, ID; F (Russell).
- 4930 ECUADOR. R. Casa de la Cultura. 0403 bells, SS ID, Ec. mx, 0415* (McCoy).
- 4930 TURKMEN SSR. Ashkhabad. 1359 Mayak IS, 1400 pips, W in RR(?); miserable signal w/ flutter, het QRM (Hill 10/23).
- 4932 JAVA. RRI, Surakarta. 1058 local ID, T/C (Padula).
- 4935A COLOMBIA. R. Cinco. 0345 SS, L/A mx, ID's around 0407-10 & 0430* (Tuchscherer).
- 4940 ECUADOR. R. Nac., Quito. 0050-0105 SS, L/A and C&W mx (Tuchscherer). (Salmaniw).
- 4940 IVORY COAST. Abidjan. 2200 chant, bells, FF, ID; P/F (Courtney). 2211 Af mx; G.
- 4940 VENEZUELA. R. Yaracuy. 2351-53 SS, man talking; P (Nebron).
- 4945 COLOMBIA. R. Colosal. 0420 SS ancts, ID (Schwartz). 0530 SS, mx ID's (Pyatt).
- 4945 S. AFRICA. R. RSA. *0359 EE, ID, calling farmers, 0401 T/O; E; way over R. Colosal. Also 2150 EE, T/C, mx, 2208*; P (Lineback).
- 4950 VENEZUELA. R. Coro. 0005-10 SS ID, etc. (Courtney). 0600+ pops, ID (Sparks 10/11).
- 4955 COLOMBIA. R. Nac. 0135 SS, EE lang lesson; F/G (Courtney 10/17).
- 4960 ECUADOR. R. Fed. Sucúa. *1054 M singing solo Indian song, 1055 anthem, rooster crowing, M w/ hog calls, 1100 opening anct in Indian lang, 1140 ID (Sparks).
- 4970 SABAH. Kota Kinabalu. 1540 Malay, mx, 1555 ID, 1558 freqs, 1559 N/A, 1600* (Szot).
- 4970 VENEZUELA. R. Rumbos. 0430 mx, SS, 0500*; F (Pyatt). 2353-55 SS nx; F (Nebron).
- 4980 GHANA. Accra. 0610-15 EE nx by W, then M w/ nx, countrty interspersed w/ mx; P/F (Cress). 2212 light mx; G (Salmaniw)
- 4980 SWAZILAND. SMR, Mbabane. 0400-30 testing, EE, nonstop rock instrumentals, ID; G (Mayer 10/22, 24, 31).
- 4985 SULAWESI. RRI, Ujung Pandang. S/on around 2130, wk; 2245 vy strong, 2300-10 nx relay from Jakarta. Propagation mode dissimilar to that for our evening reception and will be subject for propagation article in a few months (Padula 10/26).
- 4990 NIGERIA. NBC, Sogunle. 2214 Af chants; P (Salmaniw). 2220 EE ID; strong (Wallace).
- 4990 VENEZUELA. R. Barquisimeto. 0340 SS tlks, EE pops (Zilmer).
- 4995 BRAZIL. R. Brasil Central. 2230-40 PP, instr mx; best sig in long time (Straus). 0854 PP cmntry; vy strong (Szot).
- 5005 SARAWAK. RMS, Sibü. 1200 Malay nx, marching mx, ID; G (Mayer). 1352 Iban, M in Koran readings // 4895; F (Szot). 2220 Malay songs, ancts in vernac to 2300+ (Padula). (Info re QTH comes from WRTH via Krone via DSWCL, a very effective double-play combination. Sked 2200-2300, 0400-0500, 1000-1500 w/ 10 KW. New 6050 also Sibü, which is located about 120 miles northeast of Kuching. You're welcome. BH).
- 5010 COLOMBIA. Em. Surcolombiana. 0345-0600+ pops, T/C's freq ID's (Mayer, Wallace, Sparks). From 0950 w/ mx, one complete ID (Field).
- 5010 CAMEROON. R. Garoua. 2100 FF ID, nx; F (Mayer 11/2).
- 5010 SINGAPORE. RS. *2229 anthem, T/C, EE ID, pgm preview, freqs, still audible 2300+; // 5052 also heard (Padula 10/26). Earhart, Russell, Mayer, Brunner).
- 5015 GRENADA. RG. 2215-0003* EE, BBC & local nx, wx, light mx (Salmaniw, Schwartz, A

- 5020 CHINA. Nanchang, Kiangsi. 0930 early F/I; CC opera & ancts (Willis 10/17).
- 5020V PAKISTAN. Karachi. OC 0055, s/on 0112-0114W w/ AIR-like native theme; silence for 30 sec or so, then "Inya R. Pakistan" and into AA-type chants, sermons, choruses; ID 0134 "R. Pakistan dai!"; F/O by 0200; extremely fluttery. Keeps jumping freq anywhere between 5014-5023 or so (Hill 10/25 et seq.).
- 5025 BRAZIL. UnID 0820-35 PP, ballads by M & W; P (Earhart 10/14).
- 5026 UGANDA. Kampala. 2050 local mx, 2100 ID, nx; P (Mayer 11/2).
- 5030 DOMINICAN REP. LV del Papagayo. 0530 SS, clas mx; G (McCoy). (T) 0755-0815 mostly ballads, no ID; vy strong for listed l KW -- maybe new xmtr? (Earhart 10/12).
- 5038 BURMA. Rangoon. 1201 lang, Oriental sing-song mx; P (A. Miller).
- 5039 CENTRAL AFRICAN REP. Bangui. 2200 lang tlk; P (Lineback 10/19).
- 5040 CHINA. Foochow I, Fukien. 0755 M & W in CC, fanfares, 0801 ID (Sztot). 0850 W in CC, 0900 pips and ID; VG. // 7165 F/G, 4975 barely thru ute, 2340 too early (Hill).
- 5040 (T) VENEZUELA. R. Maturin. 1040 all mx, starting to fade c. 1052; P (Earhart).
- 5040½ GUINEA-BISSAU. R. G-B. 0721-45 native songs mostly w/ guitar or other stringed instrs, some brass or saxophone; highpitched "happy native" voices; F (Earhart 10/11). (Ken, the way you include specific details is an example that should be followed by all. It's appreciated and makes for interesting reading! BH).
- 5045 COOK IS. Karotonga. EE ancts, overmodulated, s/off around 0903 (Willis 10/4).
- 5047 TOGO. Lomé. *0527-0654 F/O, ID's, FF nx, native mx; G (Sztot, Cress, Earhart, Schwartz). 2150-2302* RF, Afro mx; F (Courtney, Lineback, Salmaniw).
- 5052 SINGAPORE. RS. 1620 pop mx concert, 1629 EE ID by W, 1630 N/A, 1632*; G (Sztot).
- 5053 MONGOLIA. Ulan Bator. 1415 M & W in lang, 1419* w/ anthem, OC off 1421; F, some sloop from Singapore. Finally! (Hill 11/14).
- 5055 (T) USSR. UnID 0515-45 prob RR; calisthenics mx & cadences (Tuchscherer 11/5). (Chita and Kzyl Orda listed, but wake-up activities implies Euro QTH. BH).
- 5060 ANGOLA. R. Clube do Huambo. 0500 OC, *0501 bird-chirps IS, 0502 choral "AP" ("A Portuguesa"), ancts in PP by M & W till 0506, when into drama; modulation seemed to fade up & down; still OK 0530 ck. // 7160 faintly audible thru TV oscillator birdie. Always a treat for WCNA to hear any Angolan (Hill 10/29,30).
- 5063A ECUADOR. R. Progreso. 0430 local mx; F (Zilmer).
- 5075 CHINA. R. Peking. 0850 CC mx, W screaming (they call it singing!); F (Sztot).
- 5095 COLOMBIA. R. Sutatenza. 0015 SS ID, L/A pops; G (Courtney).
- 5163 CHINA. R. Peking. 1220-25 CC by W, vocals by W; wk amongst utes (Lineback 11/3).
- 5260 KAZAKH SSR. Alma-Ata. Around 0105, two M & one W in discussion, sometimes quite impassioned; brief excerpts from various kinds of mx; T/O 0115. Wk/Fluttery, so miserable couldn't even tell lang, but didn't seem RR (Hill 10/25, Sztot 11/10).
- 5340 UNID. 2154-2210 on 11/8, 0600-14 on 11/9; M in PP, Afro mx; E. Angola? (Barto).
- 5804+ YEMEN A. R. Sana'a. 0340 chants, AA tlk, drum & fife mx w/ W singer; F (Earhart).
- 5827½ UNID. 0140-0201 T/O, nonstop electronic mx, weird sound (Tuchscherer 10/21).
- 5868 N. KOREA. Pyongyang. 1520 KK, 1530-50* seemed dictation nx (B. Davis).
- 5874V HONDURAS. LV de H. 0330-55 L/A pops, SS ID; F/P (Gaffin); G/E (Courtney).
- 5905 U.S.A. VOA. 1145 Oriental, 1159 ID and said Lao next (Earhart). (Prob feeder. BH).
- 5925 CANADA. CBC. 2100-10 EE nx for Armed Forces; G (Mayer 11/4).
- 5930 CZECHOSLOVAKIA. Prague. *0100 EE, nx (Talbot). *0300-15 EE N/A Svc, nx; VG (Brun).
- 5935 CHINA. Lhasa, Tibet. 1236 CC; under feeder; P (Willis 10/19). (USSR feeder? BH).
- 5951+ COLOMBIA. R. Súper de Medellín. 0330-0415 SS, L/A mx, ads (Zilmer, Gaffin, Behr).
- 5955 E. GERMANY. RBl. 0400 E ID, tlks; F (Courtney).
- 5955 GUATEMALA. R. Cultural. 0750 SS relig-type pgm at unsked time; blkd at Paris 0800* and then mix two other stns, one a Latin on 5954 (Willis 10/8).
- 5955N JAPAN. NHK. Ex-9675. 0908 KK, 0940 JJ (Hammer, Padula, both 11/3).
- 5955 U.S.A. UN Radio. 0854 EE ID, into JJ; F (Jones).
- 5960 CANADA. CBC No. Svc. 0300-30 EE, World Series, ID, ads for Canadian Tire (L'back).
- 5960 MOROCCO. Rabat. 0300 AA mx // 9615; P (Zilmer). (T) 2355-0008 AA mx, nx (Earhart).
- 5965 BRAZIL. R. Guafba. 0930-40 PP tlk, bank ad (Tuchscherer).
- 5965 MALAYSIA. Kuala Lumpur. 0200-0445+ modern Malay songs, ads; 0200 noon here (Padula).
- 5965 MOROCCO. VOA. Tangier. 0730 EE ID, into AA (Jones).
- 5970 DOMINICAN REP. RTVD. 1005 SS tlk; F (Jones).
- 5970N SWITZERLAND. SBC. *0145 to NA; hvy QRM de HCJB. Advised then QSY 5965 (Hauser).
- 5975N CHINA. R. Peking. Repl 11945 for *1000-55* in RR, *1100 KK (Willis). 1246 Oriental songs, W in CC; QRN; P (Brookwell 10/7).
- 5980 SIERRA LEONE. Freetown (via Waterloo?). 0801 EE, ads, 0811 ID on 10/20 and every day since, when KGEI not on. But sounds more like 50 KW than 250 (Hammer).
- 5980 S. AFRICA. R. RSA. 0248 ID's, *0300 EE for E. Af, F/O around 0330. 0300 is 1 P.M. local time here; seems propagation via Indian Ocean, partial daylight path! (Padula 10/26). 0315 "Good Morning, Africa"; strange reception from that part of Africa at this hour (Hammer 10/28). 2035 FF, 2048* ID mx; P (Earhart).
- 5980N U.S.A. KGEI. Ex-11855 since 10/23. *0700 EE, to 1700* various langs (8 reporters).
- 5985 ARGENTINA. R. Splendid. 0958 SS ID's, LRS2 SW call; P (Jones).
- 5985 ASIATIC RSFSR. QTH unknown. *0530-0730* R. Moscow EE to WCNA (B. Davis).
- 5985N PORTUGAL. RFE. 0655 mx, lang (Hammer 11/4).
- 5990N ASIATIC RSFSR. 0800-1000 R. Moscow Home Svc (Hammer 10/23).
- 5990N JAPAN. NHK. Ex-9505 for EE 0959, mix USSR (Hammer 11/3).
- 5990 ROMANIA. Bucharest. 0145-0200 EE on economy, detente; mx, ID (Brunner).
- 5995 AUSTRALIA. RA. 0803 EE stock-market rpt (Sztot). 0925-36 mx, listeners' letters, W (Earhart). 1135-1220 mailbag, business nx // 6005 (Brunner, Overcamp, Brookwell).

- 5995 MALI. Bamako. 2201 vernac, 2208 kids' choral group, FF, drum solo; het (Earhart).
 6000 BRAZIL. R. Inconfidência. 0813 PP, mx; G. WRTH says *0900 (Szoł). (Guess they forgot to read WRTH, Kev. BH).
- 6000 MALTA. DW relay. GG, GG mx; F; 2200-10 EE, GG ID (Mayer), ler, Jones).
 6000N NETH. ANTILLES. R. Ned. relay, Bonaire. 0030-0157* DD relig, stocks (Behr, A. Mil-
 6005 ASCENSION I. BBC relay. 2130 EE sports rpt (Zilmer), 2245 EE ID (Courtney).
 6005 AUSTRALIA. RA. 1204 EE nx, ID, // 5995; bad QRM (Brookwell).
 6005 (T) W. GERMANY. 1512 emphatic GG tlc mix at least one other stn; unreadable by
 1530. Seems a rare LP appearance of RIAS (Hill 10/26).
- 6006 COSTA RICA. R. Reloj. 0810 SS, mx, ID "Sistema Radiofónico HB" (Szoł). 0935-45
 vocals, small orch, clr ancts, ID; slight het; best time to listen (Earhart).
 6010 ITALY. RAI. 0100 EE nx, mx; QRM de DW (Zilmer).
 6010 JAPAN. VOA. Okinawa. 1154 "VOA Jazz Hour"; F (Brookwell).
 6010 U.S.A. VOA. Dixon. BBC relay. 0215-0415* SS // new 9680 (Delano?) (Behr).
 6010N W. GERMANY. DW. 0100 EE to NA; P (Zilmer 11/4). 0147 contest nx, mx; F (Jones).
 6010A UNID. 0823 L/A mx; QRM de fax on 6015; P. No AFAN for me (Szoł 11/11).
 6012 ANTARCTICA. AFAN, McMurdo. 0805-1000 EE, local DJ; pops, E/L, CSW mx; surprising-
 ly G at times (Hill 11/16, Sparks 10/30, Sheedy, Padula 10/23, Jones 10/25, Hanner
 10/22, Mayer 10/23, Booker). (Guess we can remove from "rare" category! BH).
- 6012 THAILAND. Thai TV. 1105 TT speech. Thai stns usually all run parallel for the many
 speeches that are aired now (Willis).
 6015 BRAZIL. RC de Pernambuco. 2345-50 PP, two people talking; F (Nebron).
 6015 COLOMBIA. R. Mira. 1050-1110 SS, L/A mx, ID's (Tuchscherer, Jones, Willis).
 6018 U.S.A. This is definitely just a spur of Bethany/6030 (Behr).
 6020 PHILIPPINES. VOA. 1146 Oriental cmtry, mx (Brookwell).
 6020 UKRAINIAN SSR. Kiev. 0710 presumed UN w/ clas mx (Willis 10/19).
 6025N UZBEK SSR. Repl 15460. 1110 EE nx, cmtry (Jones). *1200 EE atop Kuala Lumpur, //
 9540/9600 (Willis, Zilmer).
- 6035 BOLIVIA. R. Panamericana. *1010 guitar & flute, short Andean mx IS, native lang &
 mx; 1021 SS ads, many ID's; fizzled out by 1030 (Jones 10/16).
 6035N S. AFRICA. R. RSA. 2235 EE ID; P (Schwartz 10/19).
 6035 SWEDEN. RS. 0045-55 "Sweden Calling DX'ers"; F (Brunner).
 6040 U.S.A. V. of OAS. 2345 EE nx, cmtry (Talbot).
 6040 W. GERMANY. DW. 0100 EE nx; F (Zilmer).
 6045 BRAZIL. RC Paranaense. *0755-0853 PP, ads, songs; F/G (Willis, Earhart).
 6045 JAV. RRI, Jakarta. Around 0200-0420+, Nat'l Pgm in Indo. Unusual propagation this
 date (10/20) & heard well, except for deep fading. Jakarta 3200 mi. away (Padula).
 6045 LIBERIA. VOA. To 0000* w/ EE "Jazz Hour" (Talbot).
 6045N SWITZERLAND. SBC. 0555 SS mx. Repl 11715 (Hanner).
 6050 CUBA. RHC. *0330 EE on unanced freq; ancd freqs silent (J. Davis) (Not 6060? BH).
 6050 NIGERIA. WNSB, Ibadan. 0530 mx, EE & Afro ads, 0600 BBC nx; F (Behr).
 6050 W. GERMANY. DW. 0350 EE ID, nx, mx, *0355; E (Heragthy) (Not 6040? BH).
 6050N YEMEN. Sana'a. First noted on 6048 on 10/26. 2050 chants, 2143 AA ID, nx, 2155
 Koran, 2159 ID, 2200* w/ anthem; het de BBC. On 10/28, up to 6050 (Padula) 2030-
 2200* AA speeches, mx; ID at s/off (Mayer 11/4).
- 6055 BELGIUM. RTB. 0040 EE "Belgium Speaking" (Tobin, Russell, Zilmer).
 6055 BRAZIL. R. Panamericana. 0115 PP tlc (Zilmer).
 6055 CZECHOSLOVAKIA. RP. 0749 EE, jazz mx (Jones) (Surprisingly late. BH).
 6055 JAPAN. NSB. 1142 JJ M & W; HCJB QRM (Brookwell). 1345 JJ tlc; P (Russell).
 6058 (T) CHINA. UNID 1130-1230+ revolutionary mx, no ancts; drifts; is not USSR/6060 in
 CC. No //s noted (Willis) (Why necessarily China if no talk hrd, Michael? BH).
- 6060 ARGENTINA. R. Nac. *0900 SS; is LRA31 (Jones).
 6060 CUBA. RHC. 1135 band mx IS, SS ID. Freq not in RHC sked but is in WRTH (Brookwell).
 6065 COLOMBIA. R. Súper. 0515, 0555, 0945-55; usual (Courtney, Talbot, Earhart, Jones).
 6065 SPAIN. RNE. 0100 EE nx, tlks, mx (Tobin).
 6070 BULGARIA. Sofia. 2050 GG, 2100 FF, nx, discussion of PP colonialism; F (Schwartz).
 6070 CANADA. CFRX. 1410 EE nx, mx, ancts (Tobin).
 6070 SWAZILAND. TWR. 0350-0451*, all-EE, sev ID's, relig pgms; P/F (Cress 10/23, Sparks).
 6070 VENEZUELA. R. San Sebastián. 0100 SS tlc, atop CFRX; F (Zilmer).
 6075 COLOMBIA. R. Sutatenza. 0930-59 SS, mx; G (Gaffin, Jones).
 6080 ECUADOR. HCJB. 0818-25 EE; G (Earhart). 0920 SS relig (Field).
 6085 COLOMBIA. Ondas del Darién. 0045 SS, local-style mx; F (Zilmer).
 6090 ARGENTINA. R. Belgrano. 0055 SS political speech by W; P (Zilmer).
 6090 AUSTRALIA. VLL6. 0913 Sydney wx, other local nx, believe ID for Albury MW stn,
 TC for 7:15; F (Hauser).
- 6090 GREECE. VOA. Kavala. *0200 in Urdu; P (Mayer).
 6090 LUXEMBOURG. RL. 2350-0100 GG, EE nx, ads, pop & rock mx; celebrating 40th anni-
 versary as "your radio" (Courtney, Hauser, Schwartz, Tobin, Brunner).
 6095 COLOMBIA. LV del Centro. 0636 SS, mx, ID often (McCoy).
 6100 MALTA. DW relay. 0130 all-pop mx, 0205 GG // 9745-M (Behr). *0530-0730* RCI relay;
 EE & FF // 7250-M (Behr, McCoy) 0655-0730* mx, no ancts, feed apparently lost (Han.)
 6100 NIGERIA. NBC, Maiduguri. 2035-45 vernac, drums, ID, local mx; P (Mayer 11/2).
 6100 VENEZUELA. Observatorio Cagagal. 0300-20, 0758, 2259-2322 pips, TC (C'ney, Willis).
 6100 W. GERMANY. DW. 0120 EE to NA; E (Mayer).
 6105 MEXICO. Su Pantera. 0258 SS ads, panther growl, ID (McCoy). 1200 SS, mx (Zilmer).
 6115 MEXICO. R. Univ. de Sonora. 2333-0200* SS, U.S. songs, E/L, ID's (Behr, Nebron).

- 6120N ASIATIC RSFSR. *1100 Mongolian ID // 7170/7185/9590/11870 (Willis 10/25).
 6120 HAITI. 4VEH. 1145 EE nx; F (Mayer).
 6120N SWITZERLAND. SBC. 0800 FF; G strength. Unlisted (Willis 10/2).
 6125 COLOMBIA. R. Continental. 0645 pops, 0700 ID & TOBEIAR anct; in clr (Sparks 11/7).
 6125 HONDURAS. R. Suyapa. 2314-0100 SS. Three stns on freq; this dominant (Tuchscherer).
 6130 LAOS. Vientiane, 1240 FF by M & W, mentions of Laos; 1245 ID, SEA mx; P (Mayer 11/1). 1334 VV (WRTH) nx, 1347 mx pgm, FF ID; P (Szot 10/20).
 6135 ALBANIA. RT. 2150-2200 FF, 2156 ID; P (Mayer).
 6135 BRAZIL. R. Gaúcha. 0812 PP cmcls, wx; P (Jones).
 6135 CANADA. RCI. 0458 EE nx, mx (Heraghty).
 6135 POLAND. Warsaw. 0200 EE nx (Zilmer).
 6135N SWEDEN. RS. 0230 EE to WCNA repl 6045; F (Zilmer 11/3).
 6140 CHINA. R. Peking. 2230-45 VV by W, local mx; G (Mayer 10/18). 20).
 6145 ALGERIA. RTVA. *0600-0910 all-AA. First time this freq used in 7 weeks (Willis 10/18).
 6145 COSTA RICA. TIFC. 0445 "Lighthouse of the Caribbean" ID after relig pgm, then EE nx; F. Don't find listed anywhere and is new to me; usually DW here (Cress 10/23).
 6150N ENGLAND. BBC 0000 EE nx to Asia (Zilmer). (Isn't this Tebrau, then? BH).
 6155 AUSTRIA. ORF. 0330 ID, EE nx; F (Schwartz).
 6155 JAPAN. FEN. 1200 EE nx; F (Jones).
 6155 SINGAPORE. RS. 1130 Malay nx; for once was over FEN (Willis 10/15).
 6155N U.S.A. WYFR. 0430-35 EE ID, hymn. Hope test only! (Tuchscherer).
 6160 CANADA. CKZN. 2359-0004 EE PSA, nx; P (Nebron).
 6160 COLUMBIA. Em. Nueva Granada, 2140 F/I to c. 2200, SS fútbol; unusual via LP this time of year (Padula 11/1). 0030 SS nx, also ID as R. Granada (Zilmer).
 6165N SWEDEN. RS. *0030-59* EE to ENA. Repl 6035 (Zilmer, Overcamp).
 6165N VATICAN STATE. VR. *0100-0115* EE relig; G (Overcamp, Mayer, Zilmer, Hauser, Jones).
 6170N ECUADOR. HCJB. 0818 EE, 0829 ID, 0830 RR. Repl 6080 (Earhart, Hamner). BH).
 6170 UNID. 0155 AA mx, 0200 suddenly gone w/o ID; F (O'Shea) (Cairo, RTM, IBA listed).
 6175N ASIATIC RSFSR. R. Moscow JJ svc now // 5960/9735; 1055 over K.L.; a mess (Willis).
 6176 CHINA. Sian, Shensi. 1245 CC anct's hetting w/ 6175 (Willis 10/17).
 6180N NORWAY. RN. 0425 NN, EE ID (Zilmer). 0540 NN, 0625 SS to 0630*; mix VOA/Monrovia. Via LP. Ex-11850 (Padula 11/3).
 6180 KAZAKH SSR. Alma-Ata. 0053 M & W in RR, 0100 pips, MSK T/C, said "good morning" and said nx would follow; sure enough it did; // 10530, not // 5260 (Hill 10/25).
 6190 JAPAN. NHK relay, Osaka. 0710 W in JJ // 9655 (Yamata); wiped 0730 by *USSR (Hill).
 6190 MOROCCO. RTM. 0845 AA mx, anct's; late F/O for Melbourne (Willis 10/8).
 6195 CHILE. LV de C. 0500 SS, ID (Sparks). 0936 GG, ID (Jones). 1038-43 EE (d'Adolf).
 6195 MALAYSIA. BBC Tebrau. 1116 BBC WS; P (Brookwell). 2240-50 F/O, EE, "Pop Club" then "Sports Roundup" (Courtney 11/19).

May Santa's sleigh bulge with extra goodies for the following NASWA members who reported this month: Sam BARTO, Watertown, CT (BC794); Ernie BEHR, Ottawa, Ont. (R4B/XCR30); Lawson BOOKER, Columbus, OH; Larry BROOKWELL, Chapala, Jalisco, Mexico (R4B); Charlie BRUNNER, Salford, PA (D7000Y); Allan COURTNEY, Lexington, KY (SX190/DX150B); Hadley CRESS, Harrisonburg, VA (R4C/SX190); Steve d'ADOLF, Ft. Bliss, TX; Bill DAVIS, Laguna Niguel, CA (homebrew); Jim DAVIS, Travis AFB, CA (GR54); Kenneth EARTHART, Allentown, PA (SX190); Steve ESTES, Newport News, VA (SX190); Marlin FIELD, Hillsdale, MI (SX100); Adam GAFFIN, Brooklyn, NY (Globe Traveler Pro); Robert HANNER, So. Caulfield, Victoria, Australia (Trio 9R59DE); Glenn HAUSER, Enid, OK (HQ160); Dan HENDERSON, on business in Seattle, WA (SPR4); George HERAGHTY, Ronkonkoma, NY; Bob HILL (Editor), Berkeley, CA (R390/RCA CRRM6A); Jack JONES, Jackson, MS (DX150A); Jerry LINEBACK, St. Joseph, IL (SPR4); Alan MAYER, Park Forest, IL (SB310/NCL73/DX150B); Bob MCCOY, Lincoln, NE (DX150B); Al MILLER, Youngstown, OH (HR0500); Larry NEBRON, Daly City, CA (SX190); Richard ODLIN, Tacoma, WA (R4B/DSR2/XCR30); Mike O'SHEA, Buffalo, NY; Tom OVERCAMP, Bladensburg, MD (SP600); Bob PADULA, Surrey Hills, Victoria, Australia (Marconi CR100); Edward PYATT, Philadelphia, PA (XCR30); Keith RUSSELL, Urbana, IL (SX100); Walter SALMANIW, West Hill, Ont. (SX190/DX150A); Richard SCHWARTZ, Dover, DE (SX190); Dan SHEEDY, Encinitas, CA; Bill SPARKS, San Francisco, CA (R4B/HQ180A); Elliot STRAUS, Asbury Park, NJ (R390); Kevin SZOT, Vacaville, CA (NCL83D); Larry TALBOT, Menomonee Falls, WI (SB313); Pat TOBIN, McDonald, PA (DX160); John TUCHSCHERER, Neenah, WI (HQ180/HQ100A); Steve WALLACE, Lewistown, PA (R4B/DX150A); Michael WILLIS, Hampton, Victoria, Australia (9R59DE); Bob ZILMER, Milwaukee, WI (SPR4). Also tnx to the Danish Short Wave Clubs International (DSWCI), Hinnerup, Denmark, from whom we purloined an item or two.

Many thanks to all who are reporting or even just dropping a line now and then; your efforts are much appreciated. Unfortunately, as you can well understand, I don't have either the time or the postage to answer everybody. If you expect a response, please enclose a SASE (self-addressed stamped envelope).

Couple reminders: please report on paper 8½" wide (no more, no less) and leave at least one typewriter space between items so they don't wind up as confetti when cut apart! You wouldn't believe the haywire mess that

results from 700-or-so individual items cut into strips!

Two matters we need your opinions on: (1) What do you think about cutting more common items in order to run a small "Letters to the Editor" section? (2) When someone misidentifies a station or states an inaccurate frequency, should the offender's misdeeds be covered up (as I did this time) or run as given, with an appropriate correction after it/them? Something to be said for both ways. 73 and good DX!

Bob

LOG REPORT

B

B Section Editor: M. R. LEONHARDT, P.O. BOX 13, LIBERTY, IND 47353

- 6195 BRAZIL Em Continental; 0200 pop songs, PP ID's, past 0203 (Behr)
- 6195 CHILE R. Colosal(?) New station. 0245 La mx, SS ads, 0302 SS mx and 3 ID's to 0309*, ancg "R. Colosal CB 138" heard 11/9 (Behr)
- 6230 INDONESIA RRI Enarotai. Irian Jaya; 1130-1200* Indonesian mx and anmts, ID at s/off (Willis-Austi)
- 6212 UNID. 1040 in Lao, possibly a clandestine operation, but believed IDed by Isao Ugase, Japan, as brief mention of item in Radio Japan SW session (Hanner-Au)
- 6218 DOMINICAN REPUBLIC LV de la Libertad; 2330 SS, mx, ads, jingles(Zilmer); 0230 LA mx, full SS ID and anthem to 0301* very strong 10/31, not heard since (Behr)
6234. 3t PAKISTAN Karachi presumed 2045 subcontinental format by OM in lang. Listed Karachi by BBC MS (Regional outlet). (Magne)
- 6250 EQUATORIAL GUINEA Radio ??; 2115 SS, mx, anmts to 2230* w/anthem. No longer R. Santa Isabel (Behr)
- 6250 UNID. Possibly N. Korea 0920-0930* Choir singing, but not hymns, language sounded Asian (Earhart)
6288. 5 N. KOREA R. Pyongyang II; 0745. YL in strident KK, 07#7 chorus. Powerful lvi //6600, not to be confused with Peking on 6290 later (Hill)
- 6290 CHINA R. Peking; 1113 YL in sing-song CC talk, CW QRM (Brookwell)
- 6470 UNID. 1538 bouncy Afr highlife type instr mx, 1550 brief anmt by YL. Believe this to be 2nd harmonic of Beira, 3235 which is sked 1530-1830 in native(Hill)
- 6691 CLANDESTINE Voice of the Destiny of the Fatherland; 1525 YL in presumed Khmer, considerable QRM (Hill) / (Earhart)
- 7015t THAILAND; 1052-1115 Unknown station, singing and talks in Thai, YL ancg
- 7030 UNID. 2201-2215 YL w/CC vocals. Good signal (Barto)
- 7055 UNID. 2210-2218 Oriental mx, fair signal (Barto)
- 7065 ALBANIA R. Tirana; 0015 EE, nx, cmntry, slight QRM (Fields)
- 7099t NEPAL R. Nepal, Katmandu; 0024 OM in lang, 0027 native mx. Weak, fluttery ham QRM, het from USSR 7100, otherwise super reception. Checked 3425, but band not open this early (Hill)
- 7105 MONACO TWR; 0720-0730 EE, rel px, ID (Wockner)
- 7105 SPAIN RNE; 1552 past 1605 OM in rapid SS as if sporting event //11920. Unusual LP logging (Hill)
- 7110 JAVA RRI Yogyakarta; 1314 EE ID, not sked at this time in WRTH (Hauser)
- 7110 SAUDI ARABIA BSKSA Riyadh; 2205-2210 AA mx //6080. Fair. (Mayer)
- 7110 MALI R. Mali; 0818-0837 f/o Vern, native singing (Earhart)
- 7115 USSR R. P. & P.; 1331-1354 nx, mx, ID's. I assume a European xmtr as WRTH shows this px to Europe (d'Adolf) Lang?-MRL
- 7135 USSR R. Moscow; 0320 HS (Hanner-Austi); 0410-0429* SS px to LA (Earhart)
- 7135 SWAZILAND TWR; 0320-0330 EE/Vern occasional CW QRM, poor to fair reception. EE ID's, Vernaculars beamed to NoAfr, requests for reports. I'm proud of my "First Week" QSL. Also heard on 9615 (Earhart)
- 7135 FRANCE ORTF; 0515-0530 EE, "France Calling Africa" px (Earhart)
- 7140 CYPRUS BBC relay; 0425-0441 AA, chants, string mx (Earhart)
- 7145 SARAWAK R. Malaysia, Kuching; 0205-0215 Malay svc w/pops, anmts by YL during unusual propagation opening during day to Asia. Strong. (Padula-Austi)
- 7150 USSR R. Moscow; 0011 EE, World food situation talk (A. Miller); 2335 EE, cmntry on Mid-East (Earhart)
- 7150 HUNGARY R. Budapest; *0756 ID's trumpets, theme mx 0800 Greek ID into Greek px. Nf for Sun xmsn, via long path, picked out from the ARO's (Padula-Au)
- 7155 JORDAN R. Amman; 0630 AA anmts (Willis-Austi)

- 7165 RYUKYU ISLANDS VoA Okinawa; 1102-1116EE, "Critic's Choice"px(Russell)
 7170t NEW CALEDONIA R.Noumea; 0835-0845 FF, OM in talks (Earhart)
 7170nf USSR R.Moscow; 1100 Mongolian svc//7185, 11870, 9590, 6120 (Willis-Austi);
 1115 RR, identification mx of Ist Mayak. They list site as east Siberia on page
 106 WRTH (Earhart); f/i 1400-1800* Now using this freq for CC svc(B.Davis)
 7190t YEMEN (PDR) DYBS; 0425 AA talks and mx (Schwartz)
 7195 ETHIOPIA ETLF; 0200 EE rel px to West Africa (Fields)
 7200 MALAYSIA RTM Penang; 0220-0245 Malay svc relayed from Kuala Lumpur.
 Unusual daytime opening. Unlisted in WRTH (Padula-Austi)
 7200 USSR Vladivostok; 0730-1630 & 1730-2230* Now on Winter sked, HS in RR,
 aII Mayak. Excellent to good signal till 2000, then fades (B.Davis)
 7200 USSR Yakutsk; f/i 0300 till 0700 wipe out by carrier for Vladivostok. Occasional
 lcl ID's 0410, 0420 & at 0430 usually. Px during this hour Yakut and RR. Returns
 to Moscow relay 0500 (B.Davis)
 7210 ENGLAND BBC; 0540 FF/Hausa, nx, EE ID 0545 into lang //7105 (Earhart)
 7215 GREECE R.Athens; 1800 Greek px and mx to 1850* (Behr) / (Willis-Austi)
 7215 IVORY COAST RTI; 0700 FF ID after drums //11920. Heard after a year
 7220 AUSTRALIA RA; 0835 EE nx (Creamer); 0905 EE, YL anc (Earhart); 1014
 EE ID, mx (Schwartz); 1215 EE px to Papua/New Guinea (Zimer)
 7220nf HUNGARY R.Budapest; 0630-0700 relay of HS in Hungarian, apparently a new
 svc as HS relay only noted previously 0500-0520 (Padula-Austi)
 7245 S.VIETNAM VTVN; 0200-0300 VV songs during daytime opening (Padula-Au);
 Tentative 1000-1017 two OM in Asian lang, Asian mx (Earhart)
 7245t ALGERIA R.Algeria; AA, high pitched chants, couldn't identify thru hams, but
 believed Algeria (Earhart)
 7250 MALTA CBC Cyclops; 0527 DW interval signal, straight into nx from Canada,
 without ID's at 0530 (Hanner-Austi)
 7250 SINGAPORE R.Singapore; 0200-0230 Malay talks, quite good during daytime
 opening (Padula-Austi)
 7250nf BANGLADESH R. Bangladesh, Dacca; 1905 EE nx at slow speed for Eur, mixing
 with Vatican co-channel (Padula-Austi)
 7250 VATICAN Vatican Radio; 2045-2100 EE rel px (Mayer)
 7252-3v nf GUINEA Rdiff Nationale; 0300-0400 FF, Afr mx, ID, //9649-50v. Vern
 talks noted 0410 (Hauser, Behr, Mayer)
 7255 BULGARIA R.Sofia; *0130 SS, ID, px details (Schwartz)
 7260nf AUSTRALIA RA; 1030-1430 via Darwin in CC (Hanner-Austi); 1200 CC, ID
 replaces II945, but actual xmtr location remains unknown (Willis-Austi)
 7260 E.GERMANY RBI; 0350-0405 GG, ID by YL, nx (Schwartz)
 7265 W.GERMANY Sudwestfunk; 0845 GG anmts (Willis-Austi); 0140-0150 pop mx,
 severe QRM (Schwartz)
 7270 SARAWAK R. Malaysia, Kuching; 1310 Iban anmts //6050, 4895 (Willis-Austi)
 7270 GREECE VoA Kavala; 0606-0631 EE, "Breakfast Show" (Russell)
 7275 NIGERIA VoN; 0727-0832 EE, ID, wx, cmntry (Russell)
 7280nf USSR R.Moscow; *0800 JJ px //7260, 7290 (Padula-Austi); 1000 JJ px (Willis)
 7280 AUSTRALIA RA; 0843-0850 EE, race results (Earhart)
 7280 LIBERIA VoA Monrovia; 0310 EE, nx (Hanner-Austi)
 7280 UNID. 2320-2340 GG, pop mx, possibly a lcl station, badly distorted (Schwartz)
 7285 POLAND R. Warsaw; 2315-2330 GG/EE, pop mx, cmntry, ID (Schwartz)
 7295 MALAYSIA RTM, Penang; 0215-0230 relay EE svc from Kuala Lumpur,
 unusual daytime opening. 12:15 lcl time here (Padula-Austi)
 7300nf USSR Petropovlovsk-Kamchatka; *1700-2030* New and powerful xmtr now in use
 by "Kamchatka Radio", replaces 7100, // 7160, 9540, 12010. 9540 s/on 1630
 (B.Davis)
 7305 CLANDESTINE Voice of the Malayan Revolution; 2250 OM in CC, not Malay //
 15790. Very poor but steadily improving past 2300. Is it possible this station
 now being used for HS, that is, VoMR discontinued? (Hill)
 7320nf USSR Magadan; *1600-1500* All RR programming. Apparently replacing 7380
 which hasn't been heard here for some time. Lcl ID's 1803, 1815 and 1830.
 Signal poor here 1830 until about 0100 (B.Davis) / (d'Adolf)
 7580 N.KOREA R. Pyongyang; 1202-1258 EE, nx, cmntry, vocal mx, frequent ID's
 8630 LIBYA Libyan Radio; 2106-2234 AA, talks, mx, chants (Mayer, Barto)
 9050 UNID. Possibly Israel or Iran. 1353 AA type vocals, discussion in AA or Hebrew
 or Farsi. Continued with Mideast mx. 1427 unfamiliar IS of eleven notes on
 stringed instrument, anmt at 1430. Nothing heard 9009 or 9022 (Hill)
 9423 CLANDESTINE Voice of the Thai People (China); *1300 in Thai //6034 (Willis)
 9495 ISRAEL IBA; 2040 EE, two and one half minute DX px (Hauser)

- 9450 USSR (Far East site); f/i 1400-2230 f/o. New station carrying Mayak HS. Good signal 2000-2100 (B. Davis)
- 9460 PAKISTAN R. Pakistan; 2040 EE, talks (Baines)
- 9460 CHINA R. Peking; 0954-1005 EE, talks, seems to be beamed to Austl (Earhart)
- 9470 USSR R. Moscow; 1230 RR HS now here //9480 (Willis-Austl)
- 9480 ALBANIA R. Tirana; 2030 EE, nx (Baines)
- 9480nf USSR R. P. & P.; 1330 FF px, other times runs HS (Willis-Austl)
- 9480nf CHINA R. Peking; 1300-1355 EE, replacing RR svc (Willis-Austl)
- 9505 DOMINICAN REP RTV Dominicana; *2207 7-note piano IS into vocal anthem, EE nx 0100 (Hauser); 0145 SS, ID, mx (Brunner); SS ID s/off 0400* (Earhart)
- 9506 PERU R. America; 0752 in the clear 10/14, TC, ID, SS vocal mx (Hauser)
- 9510 CELEBES RRI Ujung Pandang; 0510 Indonesian ID (Willis-Austl)
- 9515 TURKEY TRT; 1655-1705 TT, mx till 1700, then beep and nx (Earhart)
- 9515 MEXICO La Voz de la America Latina; 1455-1510 SS, nx, mx (Tuchscherer)
- 9515 MALAYSIA RM; 0149 light mx (Hanner-Austl)
- 9515nf AUSTRALIA RA; 1300 EE over Kuala Lumpur (Willis-Austl); 1305 JJ, new time new freq, other freq used for this svc is 11810 via Shepparton (Hanner-Austl)
- 9515 CELEBES RRI Ujung Pandang; 0200 Indonesian pops, daytime opening, strong at noon lcl time (Padula-Austl) / (Hauser)
- 9520 PAPUA/NEW GUINEA VLT9, Port Moresby; 0705 Pidgin, record requests
- 9520 PERU R. La Cronica; 0315-0320 SS, ID, talks, mx (Courtney)
- 9525nf LEBANON R. Lebanon; 0130 FF, AA, EE, SS to 0330* (Behr)
- 9525 INDIA AIR; 2000-2100 EE, nx, cmntry (Walsh)
- 9535 SWITZERLAND SBC; 2057 EE, Swiss mx, ID (A. Miller); *0145-0155 EE, nx // 6120 (Brunner)
- 9535 SARAWAK RMS, Kuching; barely audible w/Malaysian talk (Hanner-Austl); 0300 Malay talks, nice ID //7145 (Padula-Austl)
- 9535 ANGOLA Em Oficial, Luanda; 0515 PP pops and anmts. Quite good via long path, never heard this early before (Padula-Austl)
- 9535 COLOMBIA R. Nacional; 1125-1135 SS, EE lang lesson (Earhart)
- 9540 USSR Vladivostok; *2300-0230* Now using for CC service (B. Davis)
- 9540 NEW ZEALAND NZBC; 0800 IS, EE ID, nx (Creamer)
- 9540 MOROCCO VoA Tangier; 0515 EE ID into Hungarian px (Russell)
- 9540nf UZBEK SSR R. Tashkent; *1200 in EE, replacing 15460 (Willis-Austl); 1200 EE nx //9600 (Zilmer)
- 9545 SOLOMON ISLANDS Honiara; 0144 EE anmts, Island mx (Hanner-Austl)
- 9545 W. GERMANY DW; 1720 GG, GG songs (Tuchscherer)
- 9545 GHANA R. Ghana; 2123 EE, talks QRM DW (O'Shea)
- 9545 BRAZIL R. Universo; 0030 PP, sports. Must have increased power (Zilmer)
- 9550 FINLAND R. Finland; 0300 EE, nx (Zilmer)
- 9550 NORWAY R. Norway; 0058 Norwegian talks (O'Shea); 2200 Norwegian nx (Zilmer)
- 9550 BANGLADESH R. Bangladesh, Dacca; 1100-1110* Bengali anmts, national songs in Home Service, 1117 External IS, Bengali ID 1119, into Nepali 1120. Listed as English for Nepal, but no EE this night, perhaps Nepali only for Nepal (Padula)
- 9555 ENGLAND BBC; 0305 EE, ID, nx. New freq? (Courtney)
- 9560 FRANCE ORTF; 1400 FF, variety px, nx, mx (Tuchscherer)
- 9562 PERU R. Nacional; 1100 SS, lcl mx, talk (Zilmer); 0000 SS talks, ID (Courtney)
- 9565 W. GERMANY DW; 0108 EE, talk on W. German economics (O'Shea)
- 9570 CHILE LV de Chile; 0118 RR, giving address in SS (Hauser)
- 9570 AUSTRALIA RA; 0800 EE, pop mx, stock mkt report (Jones); *0645 EE, ID, px skeeds (Creamer)
- 9570 NETHERLANDS ANTILLES TWR; 1050-1059* SS, hymns and rel talk (Earhart)
- 9570 RUMANIA R. Bucharest; 0140-0155 EE, cmntry on International week (Cole)
- 9575 PAPUA/NEW GUINEA VL8BM; 0152 vocal mx, not often heard (Hanner-Austl)
- 9575 USSR R. Moscow; 1645 talk in lang by OM & YL, march mx. QTH anyone? (Tuchscherer); 0425 EE, nx (Cole)
- 9575 USSR (Far East site); *0000-0600 Last Winter's Mayak HS is back. Slight polar fade here. Not usually as strong as other Far East HS stations (B. Davis)
- 9580 PHILIPPINES VoP; 1530-1545 EE. ID, "Maitbag" px (Creamer, Schelling)
- 9580 AUSTRALIA RA; 0415 EE, stock mkt report, investment talk (Schelling)
- 9580 NICARAGUA R. Mar; 1245* remained on sked keyed to daylight time in NA after we went off it (Hauser)
- 9580 PHILIPPINES VoP; 0918 EE, YL in talk about progress in their country, string mx (Earhart); 1530 EE, "Maitbag" px (Creamer); 1615 EE, talk on Philippine art and culture (Schelling)
- 9584.2 CLANDESTINE Bizim Radyo; 1910-1924* TT px, QRM NHK (Behr)

- 9585 HUNGARY R. Budapest; 0800-0845 Greek px, Sun only, via LP (Padula-Austi)
 9585nf JAPAN NHK; 1000 EE px, ex 17855 (Hanner-Austi); 1300 EE, nx to Eur (Zilmer)
 9585 BRAZIL R. Nac de Sao Paulo; 0903-0915 PP, ID's often and easy to understand (Earhart)
- 9600nf UZBEK SSR R. Tashkent; *1200 in EE replacing 15115 (Willis-Austi); 1208 EE, nx, ID by YL with bad accent (Miller)
- 9605 VATICAN Vatican Radio; 0100-0115 EE rel px (Zilmer, Russell, Cole, O'Shea)
 9605 SARAWAK RMS, Kuching; *0330, time signal, ID in Malay into CC nx during daytime opening. Runs different sked Sun than weekdays (Padula-Austi)
- 9605 PHILIPPINES VoA; *1330 EE ID into KK nx px (Russell)
 9605 SWEDEN R. Sweden; 1247 EE, Swedish lang lesson (A. Miller)
- 9605nf BRAZIL RN Brasilia; EE 2100; PP 2200-2230* Here since 11/5 ex 11780 (Behr)
 9610 AUSTRALIA VLW9 Perth; 1500 EE, new ID "This is ABC Radio, Western Australia" (Cress); 1555 EE, nx (Creamer) / (Willis-Austi)
- 9610 ETHIOPIA R. Ethiopia; 0510 Most unusual in Amharic mixing ABC and USSR
 9615 SWAZILAND TWR; 0339-0350 EE ID, short hymn, FF ID, more mx, ID and s/off in EE, said to tune to 6175. Gave address as TWR, Manzini Kingdom of Swaziland (Earhart)
- 9620 S. VIETNAM VTVN, Saigon; 0200-0300 daytime opening, VV songs, talks (Padula)
 9625 INDIA AIR; 1315* Cantonese svc w/ID. Replaces 9630 to 15165 (Willis-Austi); 1030 EE, special freq for Cricket broadcasts (Padula-Austi)
- 9626 CANADA CBC; 0900 Now Pacific transmission (Hanner-Austi); 2303 relaying "CBA" Moncton, including Ici wx while program lines from Montreal downed by ice storm (Hauser)
- 9630 MALAGASY RN, Talata; 1830-1950* AA px // 17830 (Behr)
 9635 SINGAPORE R. Singapore; 0130 YL in CC talk (Hanner-Austi); 0245-0330 CC talks and songs (Padula-Austi)
- 9636 MOZAMBIQUE Beira; 0635-0715 f/o Very rare here, via long path. Afr vocals anmts in Afr dialect, ID with some PP flavour seemingly "Habia Mocambique Beira" by YL. Noted 10/17 only (Padula-Austi)
- 9640 S. KOREA R. Korea; 1130-1200 Now noted w/new svc to SoAmer in SS // 11925 unscheduled, first noted 10/20 (Padula-Austi); 1015-1033 JJ/KK talks (Russell); 1900 EE px // 11925 (Behr)
- 9640 SWAZILAND TWR; 0039-0350 EE, IS, ID's, light mx. Test xmsn (A. Miller)
 9645 BRAZIL R. Bandeirantes; 2300 PP talk (Zilmer)
 9645 COSTA RICA TIFC; 0311 end concert, VoA SS nx relay (Hauser); 0405 EE, transcribed rel px (Russell)
- 9645 NORWAY R. Norway; 0015; 0102; 0225 EE ID's into NN talks, mx (Zilmer)
 9648-50v GUINEA LV de la Revolution; 0335 FF, non-stop Afr mx (Russell); 0423 chants, Vernaculars //7252 (Hauser); 0746 FF anmts (Willis-Austi); 2315 FF/Vern, native mx (Zilmer); 0600* repeated FF ID's and off //11695 (Cress)
- 9650 W. GERMANY DW; *0930 EE, ex *0920 to Australasia (Hanner-Austi)
 9655 CANADA RCi; 0109 EE, talk into FF 0205 (Fields)
 9660 ANGOLA Voz de Angola; 0458 IS thru Rumbos, 0501 PP ID's (Cress); 0800* PP anmts under ABC (Willis-Austi)
- 9665 FRANCE ORTF; 2115 AA, ME mx, chants, nx (Tuchscherer)
 9670 PORTUGAL VoHope; 2030 EE, rel px, ID, mx (Courtney, Baines)
 9670 AUSTRIA ORF; 0345 EE, talks on Maritime laws (Anderson)
 9670 JAPAN NHK; 1430 Bengali px to SoAsia (Zilmer)
 9675 PERU R. Del Pacifico; 1200 SS, rel px (Zilmer)
- 9680 Cf, November LR. Station reported is VoA. I had definite ID at 0215 11/13 as "La Voz de Americanos, desde Washington" This one is // 6190 (MacLeod)
- 9680nf ECUADOR HCJB; 0838 RR px, ex 9715 (Hanner-Austi)
 9685 BRAZIL R. Gazeta; 2330 PP, talks (Zilmer)
 9690 RUMANIA R. Bucharest; 1300-1325* EE to Europe (A. Miller, Courtney, Zilmer)
 9695 AUSTRALIA RA; 0815 Indonesian, pop mx (Earhart)
 9695nf SWEDEN R. Sweden; *0130 SS px to SoAmer (Zilmer)
 9695 AUSTRALIA RA; *1300 EE ID as Asian svc in lang px (Jones)
- 9700 W. GERMANY DW; *0300 IS, GG ID, nx (Courtney)
 9700 BULGARIA R. Sofia; 1945 EE (Baines); 0000-0059* EE px to NoAmer (Russell, Brunner, Zilmer, Wockner, Scheffling); *0400-0426* EE, nx, cmntry (Talbot)
- 9705 INDIA AIR; *1230 talks in lang (Zilmer)
 9705 FRANCE ORTF; 0100 SS, talk, mx (Zilmer)
 9705 BRAZIL R. Maua; 0045 PP, sports noted under ORTF (Zilmer)
 9705 INDIA AIR; *1230 talks in lang (Zilmer); 0130 EE nx (Zilmer); 0130 EE nx (Hanner-Austi); 0135 HS from Aligarh, talks in Hindi. Rare opening (Padula)

- 9705 ALGERIA Algiers; *0600, AA ID into AA svc via long path (Padula-Austl)
 9710t MAURITIUS MBC; 0410-0420 f/o, talking in EE, but not understandable (Earhart)
 9710 MALAYSIA RM; 0258 Malay talks (Hanner-Austl)
 9715 PHILIPPINES FEBC; 1430 rel px in lang, rel mx (A. Miller)
 9720nf INDIA AIR, Delhi; 2320 EE quiz px, probably ex 9670 (Padula-Austl)
 9728 BURMA BBS, Rangoon; *0230 Burmese ID, Burmese nx, Icl mx. This on a Sun, s/on 0200 weekdays when there is an EE svc. (Padula-Austl); *0330 in Burmese (Hanner-Austl)
 9730 BELGIUM BRT; 2216 IS, FF/DD anmts giving 11855, 9730, DD px. Not sked this freq (Hauser); 0040 EE, "Belgium Speaking" (Zilmer)
 9735 ENGLAND BBC; 2129 ending Rumanian into Bulgarian and with it jamming, but well over it (Hauser)
 9740 MALAYSIA BBC; 1230 EE, opera (Zilmer)
 9740 PORTUGAL R. Portugal; 2230-2300 EE, nx, mx (Walsh)
 9745 IRAQ R. Baghdad; 2110-2120 FF, IS, ID, mx (Tuchscherer)
 9750nf ENGLAND BBC; 1230 EE, opera //9740, 15070, 15400 (Zilmer)
 9750 TAHITI R. Tahiti; 0440 Tahitian, talks, Icl mx. Exceptional signal (Earhart)
 9750 CHILE R. Minera; 1028 SS, talks, mx (Jones)
 9755 USSR (Far East site); *1430-1730* Another CC svc (B. Davis) / (Hauser)
 9760 AUSTRALIA RA; 0737 end nx, PGN svc, caster's accent sounded JJ //11875
 9760 JAPAN Nihon SWBC; 0430-0501* JJ px, abrupt off (Behr)
 9767.3 MEXICO KEYU R. Universidad; 1430-1530 f/o SS talks, orch mx, ex 9600 (Behr)
 9770nf SAUDI ARABIA Riyadh; 2045 AA, nx, mx (Padula-Austl)
 9790 USSR (Far East site); f/i 1400-1600* CC svc. Probably Chita or Irkutsk (B. Davis)
 9815 ISRAEL IBA; 2045 EE, ID, talk, mx (A. Miller)
 9820 N. KOREA R. Pyongyang; 0300-0345 JJ px, 0600-0645 EE, 2300-2345 CC (B. Davis)
 9940 CHINA R. Peking; 0030-0055* EE, talk on recycle of resources (Talbot)
 10530 KAZAKH SSR R. Alma Ata; 1125 RR, OM & YL in talks RR songs (A. Miller)
 11535 N. KOREA R. Pyongyang; 2330-2345 EE, cmntry on harvest (A. Miller)
 11645nf ISRAEL IBA; 2000 Hebrew HS, mx, ads to 2300 //9495 (Behr)
 11663 SAUDI ARABIA, Jeddah, 0500-0551* TT px, anthem at s/off (Behr)

Julius C. ANDERSON, Brooklyn, NY (S40/SX133)... Fred K. BAINES, New Glasgow, N. S., Canada... Sam BARTO, Morris, CT (BC-794)... Ernie BEHR, Ottawa, Ont., Canada (R4B/XCR30)... Larry BROOKWELL, Chapala, Mexico (R4B)... Charles H. BRUNNER, Jr., Safford, PA (D7000Y)... J. COLE, Denver, CO (SX190/SW4A)... Allan COURTNEY, Lexington, KY (SX190)... John W. CREAMER, Denver, CO (SW4A)... Hadley D. CRESS, Harrison, VA (SX190/R4C)... Steve d'ADOLF, El Paso, TX... Bill DAVIS, Laguna Niguel, CA (Homebrew)... Kenneth EARHART, Allentown, PA (DX150A/SX190)... Tony FIELDS, Portage, MI (DX150A/TRS-26)... Robert HANNER, South Caulfield, Australia (Trio 9R59DE)... Glenn HAUSER, Enid, OK (HQ160)... Bob HILL, Berkeley, CA (R-390)... Jack R. JONES, Jackson, MS (DX150A)... R. A. Mac LEOD, Erie, PA... Lawrence E. MAGNE, Philadelphia, PA (R4B)... Alan MAYER, Park Forest, IL (SB310/DX150B/NCL73)... Aiber A. MILLER, Jr., Youngstown, OH (HRO 500)... Mike OSHEA, NY (HA-600A)... Bob PADULA, Surrey Hills, Australia (Marconi CR100)... Don Schelling, Buena Park, CA... W. Keith RUSSELL, Urbana, IL (SX100)... Richard A. SCHWARTZ, Dover, DE (SX190/S-108)... Larry Talbot, Menomonee Falls, WI (SB-313)... John TUCHSCHERER, Neenah, WI (HQ100A)... Tom WALSH Quincy, MA (DX150A)... Micheal WILLIS, Hampton, Australia (Trio 9R59DE)... Rex WOCKNER, Watseka, IL (SX28)... Robert ZILMER, Milwaukee, WI (SPR4)

o o o (M. R. Leonhardt 11/22/74)

DX LIMERICKS

To QSL the small Isle of Tumor,	Shed tears for Gregori Zhiveria,
Would be difficult according to rumor,	Technician for Radio Latvia,
Much pleasure did I derive,	By error one day,
When one did eventually arrive,	He plugged in VoA,
And I note it was signed "C. Loudenboomer"	Now, he's earning his salt in Siberia.
(Leonhardt - Indiana)	(Jones - Tennessee)

13 METER BAND SURVEY A 4 page survey of 13 meters, plus a 2 page updater, is available from NASWA HDQ for a (long) SASE and 35 cents coin.

LOG REPORT Section

C

11600 kHz up

December 1974

NASWA-FRENDX

Reports to: Jerry A. Lineback
P. O. Box 325
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- 11600 CHINA RP; 1200, 1343 EE, nx, cmntry, ID, //11650, fair-poor (Zilmer, Miller 11-10)
11645 UNID; 2015-2115 f/o, RR?, QRM, time signal, M&W ann, Euro mx, (Earhart 10-24)
11645NF ISRAEL IBA; 1700 Hebrew HS relay, low power, //12045NF, poor (Magne). Above also?
11650 CHINA RP; 1200, 1230 EE, cmntry, nx, fair (Zilmer 10-31, Courtney 10-11)
11700 VATICAN VR; 1957-2035 Latin then EE, 2120, 2244 EE, rel px, 2130 FF, chimes, ID, to Africa, fair (Hauser 11-7, Ebrecht-Morocco, Earhart 10-7)
11705 SWEDEN RS; 0028 PP, IS, ID in EE, SS, FF, into PP nx, poor (Miller 11-9)
11710 ARGENTINA RAE; 2305-2510, 0300-0307 EE, nx, cmntry, fair-good (Brunner, Courtney)
11710 SWEDEN RS; 1411 EE, tlk, mx, fair (Jones 10-12)
11710 USSR Vladivostok; *2230 VV, 2300 CC to 0230*, replaces summer freq of 15170, QRM from RAE is usually bad for the first hour, (Davis)
11715 SWITZERLAND SBC; 0205-0215 EE, -0245 SS, -0315 GG, -0345 FF, IDs, nx, cmntry, Swiss mx, also II to 0415, fair-good, (Fino 10-12)
11720NF PHILIPPINES (tent) VoA, 2350-0000*, EE, (Hanner-Australia 11-5)
11725NF JAPAN NHK; *2359-0045 EE, nx, mx, replaces 15445, poor (Hanner-Australia 11-5, Miller 11-4, Zilmer 11-3)
11725 SRI LANKA SLBC; 0035-0115 EE, ID, lite mx, rel px, fair (Courtney 11-4) (Miller 11-5)
11725 VATICAN VR; 0010 SS, ID, amnts by YW, tlk by OM, fighting it out with NHK, good /
11730 FRANCE ORTF; 0150-0205* SS, nx, cmntry, mx interludes, NA at *, good (Fino 10-12)
11730NS SWAZILAND TWR; test noted 10-16, Hymn-type IS, ID as "Station of Inspiration, 0558-0610 EE/Zulu, mx, ann //7135 not hrd, LP reception (Padula, Hanner-Australia)
11730 MALAGASY REP RN; 2005-2040 EE, nx, features, ID as relay, very good (Brunner 10-29, Courtney 10-4) Morocco, Talbot
11730 HOLLAND RN Lopik; *2130-2250* EE, features, mx, nx, also 2000 EE, good (Ebrecht-/
11730 USSR Far East site unknown; *0000- past f/o about 0530-0600, CC svc, (B. Davis)
11740NF AUSTRALIA RA Shepperton (tent); 1330 EE, RA has made many changes (Willis-Aus 10-25)
11740 ECUADOR HCJB; 1007 PP, (Hanner-Australia 11-6) Gaffin
11750 VENEZUELA R Nac; 0000-0045 EE, 0045-0049 SS, 0255 SS, 0330*, Venez mx, (B. Davis, /
11750t JAPAN FEN; 2000 EE nx, no IDs to 2030, fair-good (Salmaniw 10-23, 10-26)
11760 USA UNR Greenville; 2300 EE, Security Council, other langs hrd, fair (Ebrecht-M)
11760 CUBA RHC; 2230 SS, ID, mx, over VoA Greenville and Chile jammer, E (Lineback 10-19)
11765 AUSTRALIA RA Shepperton; 0915*, 0705 EE, replaces 7280, (Willis, Hanner-Aus 10-25)
11765NF USSR RP&P; 1030 EE, (Willis-Australia 10-25)
11765 GERMANY (FR) DW; 0707 FF to Africa, (Hanner-Australia 11-3)
11765 RWANDA DW; 2031 GG, ID, freqs, good (Russell 10-22)
11765 BRAZIL R Tupi; 2315 PP, tlk, mx, poor (Zilmer 10-31)
11770 INDONESIA JAVA RRI Jakarta; *0600-0800* Indon, 1030-1045 on 10-19 a Christian rel px w/EE Hymns and Indon tlk on Christianity vs Islam, unusual since Indon is dominantly Moslem, (Padula, Hanner, Willis, all Australia) Talbot
11770 MEXICO R Mex; 1400, 1527, 0100 SS, mx, good (Willis-Australia 10-5, Jones, Miller, /
11775 SWITZERLAND SBC; 0715 EE, to far east, good (Ebrecht-Morocco)
11775 SPAIN RNE; 2230-2245 SS, IDs, tlk, guitar mx, good (Fino 10-30) Australia 11-3)
11775NF GERMANY (FR) DW; 0650 Hausa, 0708 FF, to Africa, QRM SEC, //11765, (Padula, Hanner /
11780 FRANCE ORTF; 1930-2000 FF, to Africa, sports event, fair (Earhart 11-4) 18
11780NF NEW ZEALAND NZBC; *0900-1145* EE, replaces 11705, mx, good (Willis, Hanner-Aus 10- /
11780 BRAZIL RNB; 2100-2200 EE, nx, sports nx, features, mx, mix w/BBC, BBC left this freq and RNB good for a few days then reportedly moved to 9605, (Zilmer 11-3, Tuchscherer 10-25, Earhart 10-24, 11-4)
11780 UNID; 1710-1735 AA?, fair on 10-22, AA mx, no ID, (Earhart). Saudi Arabia rept.
11780NF PHILIPPINES VoA; 2316 EE, (Hanner, Australia 11-5)
11780 MOZAMBIQUE LMR; 0506 EE ID, reactivated, (Willis-Australia 10-27)
11785 BRAZIL R Guaiba; 0930 PP ID fantastic level over USSR and Cairo, (Willis-Australia 10-11); 0120-0200 PP mx, tlk, fair (Wicks) tralia 9-30, Tuchscherer)
11790 VATICAN VR; 0700 daily, Mass w/several langs, 1516-1525 EE, rel tlk, (Willis-Aus /
11795 GERMANY (FR) DW; 1445-1510* AA, ME mx, nx, pops (Tuchscherer 10-28)
11800 SRI LANKA SLBC; 0216 Hindi, amnts, (Willis-Australia 10-5)
11805 BRAZIL R Globo; 0130, 0250-0300 PP, mx, tlk, ads, Soccer, fair (Miller 11-9, Wicks)
11805 USA WYFR; 1759 EE, relpx, good (Miller 11-3)
11805 BELGIUM RTB; *1300-1330* IS only no amnts, test?, (Willis-Australia 10-5)
11810 CHILE VoC; 1146 II, 1220-1259 EE, 0925 GG, tlks, amnts, IDs, they transmit same px more than once, //6195, fair, sometimes slop from HCJB, (many)
11810NF USSR RM HS; 0703 RR, over RTVA, (Willis-Australia 10-24)
11810 AUSTRALIA RA Darwin; 1004 JJ, replaces shepparton, (Hanner-Australia 11-3)
11810 AUSTRALIA RA; 1315 EE, mx, //11835, (Hauser 10-13)
11810 GERMANY (DR) RBI; 2013 EE, African svce, poor (Ebrecht-Morocco)
11815 NETH ANT TWR; 0030-0040, 0100 EE, rel px, features, good (Brunner, Ebrecht-Morocco)

- 11819 MOZAMBIQUE RCM; 0500 PP on 10-27, and at 0900 on 10-26, (Willis-Australia)
- 11820 ASCENSION IS BBC; 2000 EE WS, 2045 EE tlk to Africa, 0350-0400 SS, ID, tlk, good (Courtney 10-14, Walsh 11-3, Russell 11-1)
- 11820 MOZAMBIQUE RCM; 0653 PP tlks, ads, LP reception, (Padula-Australia 10-16)
- 11820 MEXICO XEBR; 2056-2115 SS vocals, instrumentals, under BBC then in the clear after BBC 2115*, (d'Adolph 10-27)
- 11825 VATICAN VR; *1330-1400* SS/PP, replaces 11740, excellent (Willis-Australia); 1450 EE, rel nx, fair (Zilmer 11-3) Hauser 10-14
- 11825 AUSTRALIA RA Shepperton; 1030 EE mixed with BCC, 1315 EE, //11810, (Willis-Aus, / Tuchscherer)
- 11825 PORTUGAL RFE; 0805 Czech nx, (Hanner-Australia 11-3)
- 11830NF NETH ANT TWR; 2200-2218* FF, rel px, ex 15275, first noted 10-17, (Padula-Aus, / Tuchscherer)
- 11835 HAITI R 4VEH; 1110 EE, //9770, mix w/SLBC, (Willis-Australia 10-8)
- 11835 ECUADOR HCJB; 0344 RR, ex 11875, (Hanner-Australia 11-3)
- 11845 VATICAN VR; 0113-0115 ID, EE into FF, to Canada, 0026 SS, 0130-0200 SS, 0200-0215 EE, fair-good (Schwartz 11-3, Russell 11-4, Fino 10-15)
- 11850 INDIA AIR; 1225-1235 EE, schedule, nx, wx, poor (Zilmer 10-28)
- 11850 NORWAY RN; 1800, 2200, 0000-0030 EE, 2255 NN, nx, cmtry, features, poor-good, (Zilmer 11-3, Brunner 10-27, Ebrecht-Morocco)
- 11855 SEYCHELLES FEBA; 1700-1745Farsi, rel px, EE IDs, fair (Mayer 11-4, Miller 11-3)
- 11855 USA WYFR; 0140 SS, rel tlk, ID, good (Miller 11-9)
- 11855 CANADA RCI; 2155-2235 FF, Amnts, ID, pop mx, nx, QRM in FF (VoA?) good (Fino 10-21)
- 11860 TAIWAN BCC; 2200-2215 JJ, local mx, tlk by YW, poor (Mayer 10-26)
- 11860 CANADA RCI; 2130 EE, mailbag, good (Ebrecht-Morocco)
- 11860 NORWAY RN; 2310 NN, M&W tlk, good (Russell 10-1)
- 11862 ZAIRE R Lubumbashi; 0445 FF, world nx, IDs, Afro mx 0510, local lang nx at 0455, LP reception, not often heard here (Padula-Australia 10-11)
- 11865 MALTA DW relaying RCI; 1800 EE, nx to Africa, good (Zilmer 11-3)
- 11865 SRI LANKA VoA; 0125-0151 EE, breakfast show, poor (Russell 11-1)
- 11865 BRAZIL RC Pernambuco; 0149, 0401-0412, 0250-0310 PP, tlk, some EE mx, soccer, fair-poor (Earhart 10-16, Wicks, Miller 11-9)
- 11865 ETHIOPIA ETLF; 2010-2030* EE, to W Africa, lbx, tlk, interview, ID, (Brunner 11-7)
- 11870 SWITZERLAND SBC; 1530 EE nx, 0702 EE nx to Australia, (Zilmer 11-3, Hanner-Aus 11-3)
- 11875 ANGOLA Nat. R; 1435-1450 EE, ID by YW, variety mx, (Tuchscherer 10-14)
- 11880 TURKEY VoT; 2200-2228, 0000, 2305 EE, nx, warnings to ships, cmtry on Cyprus, extended sched continuing, (McCarthy, Brunner 10-28, Zilmer 11-5, Hauser 11-7)
- 11880 ARGENTINA R splendid; 0910 SS, (Willis-Australia 10-11)
- 11880 MEXICO R Tricolor; 0250-0300 SS, tlk, mx, fair (Wicks)
- 11885 BRAZIL R Mauá; 2135-2145 PP, soccer, //9705, fair (Mayer 10-27)
- 11890 USA VoA Greenville; 0205-0300 SS, nx, ID, mx interludes, little QRM, good (Fino)
- 11895 SENEGAL RS Dakar; 2150-2210 FF, FF songs and jazz, 0310-0350 FF, live coverage of Ali-Forman fight, good (Tuchscherer 10-29, Mayer 10-30)
- 11895 PORTUGAL (or GERMANY) RFE; 2150-2215 Romanian, ID, tlks, nx, fair (Fino 11-2)
- 11900 S AFRICA RSA; 2010-2050 EE, 1910-1950 FF, ID, nx, mx, good, some QRM (Fino 11-2)
- 11900 MALAYSIA RM; 0500 CC into EE, nx, (Hanner-Australia 10-27)
- 11905 ITALY RAI; 1430-1445 IL, bulletins and sports event, (Tuchscherer 10-27)
- 11915 ECUADOR HCJB; 0100-0130 SS, rel mx, tlks, into PP, good (Fino 10-15)
- 11915 BRAZIL RTV Gaucha; 0130-0200 PP tlk very poor under HCJB, (Wicks)
- 11920 IVORY COAST RTVI; 2350-0000 FF, FF/EE mx, NA at 0000*, good (Russell 10-22)
- 11925 SPAIN RNE; 0230-0240 EE, nx, mx, tlk, excellent (Brunner 10-11)
- 11925 RWANDA DW; 2315 FF, mx, cmtry, good (Ebrecht-Morocco)
- 11925 S KOREA Seoul; new morning svc in CG 2130-2200, SS to LA 1130-1200 //9640, (Padula)
- 11925 USSR R Tashkent; 1200-1229 EE, 1230 lang, nx, tlks, fair (Courtney 11-4, Zilmer 10-29, Overcamp 11-3)
- 11930NF PHILIPPINES VoA; 2321 CC, (Hanner 11-5)
- 11935 BRAZIL RC Paranense; 2335-0005 PP, mx, fair (Earhart 10-12)
- 11935 PORTUGAL RP; 0215-0225 EE, mx, ID, good (Brunner)
- 11935NF S AFRICA SABC Springbok R; 0700 EE, ad for Kentucky Fried Chicken mixing with Portugal, (Willis-Australia 10-26). Another example of the spread of US culture.
- 11935NF USA AFRTS; 2020-2130 EE, ID, mx, cmtry, fair (Fino 11-3)
- 11935 CANADA RCI; 2348 SS or PP, good, listed for 11940, ID, (Earhart 10-12)
- 11940NF CANADA RCI; 2330-2340 PP, nx, mx interludes, (Tuchscherer 10-30)
- 11940 ROMANIA RB; 2012-2025 FF, tlk, mx interludes, IS, fair (Earhart 11-1)
- 11940 KUWAIT RK; 1410-1420 AA, chants, poor in QRN and het, (Earhart 10-27)
- 11945 UNID; 2045-2100 sudden off, RR?, EE songs, fair (Earhart 11-1). RFE?-ed.
- 11945 CHINA RP; 0000-0038 EE, mx, tlk about China, strong, nx, 2325-2355* SS, 0100-0155 EE, fair-excellent (Earhart, Zilmer, Miller, Fino)
- 11950 LIBERIA ELWA; 2020 EE rel px, nx, very good (Sorry, credit lost); 0659 EE mixed with USSR and BSKSA, then off (Willis-Australia 9-30)
- 11950 BRAZIL R Min Educacao; 2230 PP, tlk, fair (Zilmer 11-1)
- 11950NF USSR RSP&P; *1330, strong signal, EE, (Willis-Australia 10-25)
- 11955 ETHIOPIA ETLF; 1330-1340 EE, rel nx, (Tuchscherer 10-27)
- 11960 AMIVIR USSR; *2130 RR Mayak px to 2200, program 1 to 2230, then SS to IA to 0100 f/o; Soviet Far East; *0330 CC, 0800 f/o, usually weak (B. Davis)
- 11960 MALI R Mali; 1705-1726 FF, vocals, amnts, IDs, (d'Adolf 10-27)
- 11965 BRAZIL R Record; 2245 PP, tlk, mx, poor (Zilmer 11-1)

- 11985 ALBANIA RT; 0705, 1411-1420 EE, cmtry, good (Ebrecht-Morocco, d'Adolf 10-27)
- 11990 CANADA CBC; 2200 EE, nx, good (Zilmer 11-2) (B. Davis)
- 11990 USSR Vladivostok; *2300-0700* RR Mayak HS, excellent to about 0500 or 0600 25m fade/
- 11995 ALGERIA RTVA; noted here very irregularly ex 11965, //11810, AA, relay of PLO VoP
px 1830-1930, good channel, technical irregularities, (Magne)
- 12000 AUSTRALIA VNG; time sta, 2200, 0445, 0500, 0730 EE ID, time pips, poor-fair (Mayer
Earhart 10-10)
- 12000 USSR RM; 1830-1840 EE, nx, 1120-1140 RR mx, possible HS, fair (Tuchscherer 11-1,/
12005 CLAND R Portugal Livre; 0710 PP, strong signal, (Willis-Australia 10-14)
- 12011-12v COSTA RICA R Relog; 0408, 2250-0037 SS, tkl, LA mx, 2x6006, fair-poor, (Hauser
10-12, Courtney 10-7)
- 12020 USSR Petropavlovsk, Kamchatka; *0500-0730* EE, RM EE svc to WCNA, strong carrier,
very low modulation level, (B. Davis)
- 12025 ISRAEL IBA; 1710-1900 mid east langs and mx, HH, pop mx, TC, IDs, IS at 1859,
excellent signal, (Cress 11-9)
- 12030 USSR RM; 2055 EE, African tx, good (Ebrecht-Morocco)
- 12038 N VIETNAM VoV; *1200-1205 SS, ID, freqs, tkl by M&W, fair (Lineback 11-3)
- 12045NF ISRAEL IBA; 1630 HH HS relay at 100kw, ex 12050, //11645, (Magne)
- 12075 N KOREA Pyongyang; 0500-0545 AA //15630, 2300-2345 CC, (B. Davis)
- 12138 CLAND (ROMANIA) R Espana Independiente; 1900 SS, ID, nx after chime IS, (Hauser)
- 13450NF N KOREA Pyongyang; *0400-0445* SS, *2200-2245* KK, //15620, (B. Davis)
- 15030 CHINA RP; 2115-2125* EE cmtry, Internationale at s/off, 0120 CC nx at dictation
speed, 1135-1140 Asian lang, fair-good (Earhart, Salmaniw, Courtney 10-6)
- 15045 CHINA RP; 0120 SS, //15095, very good (Salmaniw 9-12)
- 15060 CHINA RP; *0000-0010 EE, nx, ID, fair-good (Brunner 10-19, Zilmer 11-3)
- 15080 CHINA RP HS; 0140 Cantonese, 0200 Mandarin, ID as Central Peoples bx sta, (Salmaniw)
- 15105 ASCENSION IS BBC; *1645 EE WS, fair (Jones 10-13)
- 15100 MEXICO R Tricolor; 0700, 1430-1510, 1900, 2200 SS, IDs, mx, fair-excellent, (many)
- 15110NF HOLLAND RN Lopik; *0930-1050* EE, replaces 15130 on 10-17, (Willis-Australia)
- 15110 N ZEALAND RNZ; 0310-0405 EE, class mx, (McCarthy)
- 15120 FRANCE ORTF; 1610-1740 FF, IS, ID, nx, US pops, good (Gaffin, McCarthy)
- 15125 PORTUGAL RP; 1931-2011 PP, tkl, nx, mx, good (Gaffin) 10-11)
- 15125NF BELGIUM RTB; *1430-1500 DD, FF to 1530*, to Far East, under Taipei, (Willis-Aus/
15125 LIBERIA VoA; 1800* EE s/off, poor (Jones 10-13). Not listed.
- 15125 MEXICO R Mex; 0210 SS under Taipei (Willis-Australia 10-5); 0010 SS ID, tlks,
fair-good (Courtney 10-15)
- 15130 ISRAEL IBA; 0700-0800 HH relay of HS, 1130 EE, (Willis-Australia 10-17)
- 15140 USA VoA; 1620-1745 EE, Africana, (McCarthy) not listed.
- 15140 USSR RM HS; at 1130 under other RM svc, (Willis-Australia 10-1)
- 15140 SWITZERLAND SBC; 1445-1450 II, nx, tlks by M&W, good (Earhart 10-27)
- 15150 CHILE VoC; 1039 EE ID, (Willis-Aus); 2040 f/i w/RR nx, via SP, noted through local
daylight until 0500*, EE 0430-0450, (Padula-Aus); 1220, EE, 0128-0310 II cmtry,
(McCarthy, Zilmer)
- 15155 S AFRICA R RSA; 2230-2320 EE, to NA, replaces 6035, fair (Hauser 11-7, Zilmer 11-4)
- 15155NF HOLLAND RN Lopik; 1400-1520 EE, replaces 15415, (Willis-Australia 10-5)
- 15155 BRAZIL R Tupi; 0000-0105 PP, 0230 PP, amts, mx, tlks (Wicks, McCarthy, Willis-Aus)
- 15160vs MEXICO R Tricolor; abruptly detuned at 1711 on 10-20 from 15110, strong distorted
signal 20 kHz wide, back on 15110 by 1731 (Hauser)
- 15165 CUBA RHC; 2100 EE, Spotlite on LA, fair (Ebrecht-Morocco)
- 15165NF ALGERIA RTVA; replaces 15160 and alternates with 15365, 0600 AA, (Willis-Aus 10-5)
- 15165 DENMARK RD; 1140-1145, 1640-1655, 1728 Danish tlks, EE IDs, fair (Miller 10-30,
Schwartz, Earhart 10-12)
- 15170 TAHITI RT; 2000 SS nx, new lang for RT, for eastern Pacific ISs, 0330-0420 FF/Tah-
itian, mx, some EE during updates on Ali-Foreman fight, // 11825, 1900 under
QRM and het, (Hauser 10-23, 10-30, Padula-Australia 10-7, Courtney 10-26, McCarthy)
- 15170 GERMANY (DR) RBI; 1825 EE, cmtry, fair, (Ebrecht-Morocco)
- 15175 NORWAY RN; 1400 EE, Norway this week, poor (Zilmer 10-27)
- 15175 PHILIPPINES VoA; 0016 EE, nx, poor (Miller 10-31)
- 15185 NIGERIA VoN; 0728 EE, nx, fair (Ebrecht-Morocco)
- 15185 FINLAND RP; 1403-1430 EE, nx, features, ID, IS, into Finnish, fair-good (Russell)
- 15185NF INDIA AIR Delhi; 0800 Hindi, replaces 15180, (Willis-Australia 10-19)
- 15190 CONGO RTVC; 1830-1845, 1900-2033, 2045-2200 FF, tlks, mx, chants, fair-good
(Powers, Padula-Australia 11-2, Schwartz, McCarthy)
- 15190NF NETH ANT RN; 1640-1651 DD/EE "The World Day by Day" for relay by CJVB Vancouver,
Mon-Fri only, (Hauser 11-4, Mayer)
- 15195 JAPAN NHK; 0130, 0204-0223 EE, lang lesson, nx, poor (Zilmer 11-4, McCarthy)
- 15195 AFGHANISTAN R Afghanistan; 1142-1220 EE, mx, tkl by M&W, not easily understood,
poor (Earhart 10-9)
- 15200 AUSTRIA ORF; 1850-1900 EE, "Rept from Austria", fair (Schwartz)
- 15220 ENGLAND BBC; special freq for election coverage, 0200-0300, (Padula 10-10)
- 15235NF PHILIPPINES FENB; 0730, 0411-0416 EE, ex 15435, 15440, (Willis-Australia)
- 15240NF ROMANIA RB; *1200-1225*, //17840, (Willis-Australia 10-4)
- 15240 GERMANY (DR) RBI; 1445* GG, ID, to ME, poor (Schwartz)
- 15240 YUGOSLAVIA R Belgrade; 1530-1550 EE, IS, nx, fair (Powers, Ebrecht-Morocco)
- * 5240NF SEYCHELLES FEBA; 0600-0830 EE, replaces 15270, under ABC (Willis-Australia 10-8)

- 15245 ZAIRE LV du Zaire; 1800 FF ID into PP for Angola, Vern at 1825 then FF at 1830-1849; 2358-0015 FF, ID, details of Ali-Foreman fight, F-G (Gaffin, Schwartz 11-1)
- 15245 GERMANY (FR) DW; 0750 GG, (Willis-Australia 10-19) Zilmer
- 15250 ROMANIA RB; 0650, 1300 EE, nx, press review, sports, mx, fair-good (Ebrecht-M, /
- 15270 JAPAN NHK; *2345-2355 EE, nx, very good (Brunner 10-19)
- 15275 POLAND PR; 1230 EE, nx, calling Africa, poor (Zilmer 11-2)
- 15275NF SWEDEN RS; 1230 EE, 1300 Swedish, 1400 EE, mix w/RMS/DW, ex 15105, //17710, poor (Willis-Australia 10-5, Zilmer 10-27) 10-11)
- 15290c ARGENTINA R El Mundo; 0900 SS anmts, no ID, then blocked by R Liberty, (Willis/
- 15295NF ISRAEL IBA; 2030-2055 EE nx to UK, 2100-2200 RR, (Padula-Australia 11-2)
- 15305 SWITZERLAND SBC; 1530 EE, nx to ME&Africa, poor (Zilmer 11-3)
- 15320 AUSTRALIA RA Shepparton; 0430-0630 FF, 1001 JJ, (Hanner, Willis-Australia)
- 15335 INDIA AIR; 1130 IS, unid lang, fair (Hauser 10-13)
- 15340c PORTUGAL RP; 1125-1200 SS, non-stop mx, SS tlk, time pips, ID as Em, Nac, (Russell)
- 15350 USSR Far East site; *2300-0130-0200f/o, RR Mayak HS, QRM VoA, TWR, (B. Davis)
- 15355 USA KGEI; 0059 SS, rel mx, tlk, ID, //15280, good (Miller 10-31)
- 15360 FRANCE ORTF; *1730 FF, tlk, poor (Jones 10-13)
- 15375 USSR Far East, probable Vladivostok; *0200-as late as 0630 CC px, (B. Davis)
- 15380 RWANDA DW Kigali; 2220-2240 GG, mx, (McCarthy)
- 15385 ITALY RAI; 1705-1715 II, IS, ID, nx, poor (Schwartz)
- 15390 VENEZUELA R Nac; 2200-2232 EE, mx, tlks, features, fair (McCarthy, Zilmer, Willis)
- 15390NF ALGERIA RTVA; *0600 in AA, replaces 11965, but is an alternate, (Willis-Aus 10-24)
- 15400NF AUSTRALIA RA Shepparton; 0200-0730 EE, replaces 15395, //15240, usual px, mix with BBC, (Willis, Hanner-Australia, Hauser 10-18)
- 15415 KUWAIT RK; TC, ID, western pops, fair (Schwartz 10-26). Time not given.
- 15415 BRAZIL R C Riberao Preto; f/12100-0100 PP, sports, strong (Padula-Australia 11-2)
- 15415 HOLLAND RN; 1400 EE nx to SEA, good (Walsh 11-2)
- 15418NF ALGERIA RTVA; *0600 FF, //11910, 7245, (Willis-Australia 10-22)
- 15425 AUSTRALIA VLM15 Perth; 2330 EE, mx, good (Walsh 11-3)
- 15425 SRI LANKA SLBC; 1520-1615 EE, US pops, IDs as R Ceylon, px to E Asia, rel px, TC and BBC nx on hour, then more pops and rel px, good, slight polar flutter, (Cress). Good catch. (on 11-1)
- 15430 JAPAN NHK; 0710 GG to Eu, ex 17710, mix w/VoA, (Padula-Australia 11-3)
- 15435 TANZANIA R Tanzania; 1815 Swahili tlk by M, 1830 EE ID by YW as "This is the external service of Radio Tanzania" more Swahili tlk then EE ID again at 1858, poor to fair signal, (Cress 11-8). Another good catch.
- 15435NF ENGLAND BBC; 1115 Slovak, under BBC Tebrau (Willis-Australia 10-4)
- 15435 MALAYSIA BBC; 2330-0030* EE WS, nx, mx, R news reel, fair (Walsh 11-3)
- 15440 PHILIPPINES FEB; 1230-1245 EE, poor (Powers)
- 15440 USA WYFR; 1700 EE cmntry, fair (Ebrecht-Morocco)
- 15440 USA UNR; 2045-2100 EE, Council debate, very good (Brunner 11-5)
- 15445 BRAZIL RNB; 0200 PP nx, (Willis-Australia 10-4)
- 15445 JAPAN NHK; 0000 EE nx, //15270weaker, (Talbot)
- 15490 ISRAEL IBA; 2000 EE-2045, nx, cmntry features, mx, ads, poor-fair (Zilmer 10-26, Schwartz); *0245 RR nx, NF this svc, (Padula-Australia 10-11)
- 15500 CHINA RP HS; 0015-0124* Uighur, Indian type mx, Internationale, IS, *0130 in Kazakh as "Yungyang Pala Radyo Stanspasa" (Salmani 9-12)
- 15520 CHINA RP; *2230-2255 CC, *2300-2355* SS, *0000-0055* EE, *0100-0155* EE, *0200-0255* CC, *0300-0355* SS, *0400-0455* CC, Usually good till 0330, (B. Davis, Salmani)
- 15520 PAKISTAN R Pakistan; 1300-1309* EE nx, 1531 EE transcription, ID, cmntry, local mx, (Salmani 10-14, Zilmer 11-3, Lineback 11-2)
- 15620 N KOREA Pyongyang; *0400-0445* SS, //13450, *2200-2245* KK, //13450, 0500-0545 AA, //12075, 2300-2345 EE, //11535, *0300-0345* KK, (B. Davis); 1330-1345 EE nx, cmntry, fair (Powers)
- 17690 ISRAEL IBA; 1632 Slavic lang, ID, good (Russell)
- 17700 GERMANY (DR) RFI; 1400 EE, nx, poor (Zilmer 11-2)
- 17700NF INDIA AIR Delhi; *1115 FF, over Pakistan, (Willis-Australia 10-8)
- 17705 ENGLAND BBC; 1200 EE radio play, good (Ebrecht-Morocco)
- 17715 AUSTRALIA RA; 0330, Weekend only VV px, //21485, fair (Hauser 10-13)
- 17720 USSR RM; 0215 EE, sports nx, lhx, poor (Schelling)
- 17740 CZECHOSLOVAKIA RP; 1430 EE, tlk, mx, poor (Schelling)
- 17770 NEW ZEALAND RNZ; 0445-0505 EE, mx, nx, features, good (Cress)
- 17770 BELGIUM RTB; 0700-0735* DD, nx for Africa, (Willis-Aus, Padula-Aus)
- 17772 IRAQ R Baghdad; 0702 AA, drifts and irregular, (Willis-Aus 10-5)
- 17775 USSR Far East site, R Kiev; 0057* EE closing, gave many //, good (Hauser 10-13)
- 17775 LIBERIA VoA Monrovia; 1950 EE, cmntry, good (Ebrecht-Morocco)
- 17775 GERMANY (FR) DW; 1235 EE px, good (Ebrecht-Morocco)
- 17780 S AFRICA R RSA; 0511-0515 FF, 1615 EE, fair (Hanner, Padula-Australia, Miller 11-9)
- 17780 INDIA AIR; 1000-1100 GOS to Aus in EE, ex 17775, (Padula-Australia 10-29)
- 17780 TRIAN JAYA RRI Jayapura; 0612 Indon cmntry, strong, (Hanner-Australia 10-27)
- 17795 AUSTRALIA RA; 0000 FF, (Willis-Australia)
- 17795NF CHINA RP; 0700-0755 RR, jammed, (Willis-Australia 10-5)
- 17795NF NORWAY RN; 1400 EE, Norway this week, fair (Zilmer 11-3)
- 11798 PAKISTAN R Pakistan; *1100 Urdu, (Willis-Australia 10-8)
- 17800 USA VoA Bethany; 1835, LP from Bethany, (Hauser 10-7)

- 17810 PHILIPPINES FEBC; 0300-0500 EE, (Hanner-Australia 11-3)
 17815 BRAZIL R Cultura; 2215, 0105 PP, class mx, t1k, as late as 0420, (Hauser, Zilmer)
 17815 SAUDI ARABIA BSKSA; 1020 AA chants, over USSR, (Padula-Australia 10-28)
 17822 PAKISTAN R Pakistan; 0630 //15323, drifting from 17830, (Willis-Australia 11-2)
 17845 PAKISTAN R Pakistan; 1300-1312 EE nx, 1620 Urdu, chants, P (Schwartz, Zilmer, C-ney)
 17865NF INDIA AIR-Delhi; *1130 Hindi nx, (Willis-Australia 10-20)
 17865 EGYPT R Cairo; 1602 AA, ID, t1k, good (Russell 10-5)
 17890 TAIWAN BCC; 0240 CC nx, EE ID, *0100, fair (Schelling, Hauser 10-13)
 17915 PAKISTAN R Pakistan; 1530-1540, slow EE nx, fair (Powers)
 17920 EGYPT R Cairo; 1400 EE/AA lang lesson, poor (Zilmer 11-2)
 21460NF SAUDI ARABIA BSKSA; 1400* AA, ex 21635, often strong, (Hauser 11-3)
 21465 EGYPT R Cairo; 1400-1500 Thai to SEA, fair (Hauser 10-14)
 21475 GERMANY (DR) RBI; 1400-1445 FF, het with Belgium, (Hauser 11-8)
 21520 SWITZERLAND SBC; *1530 EE, nx, fair (Jones 10-12)
 21520 S AFRICA R RSA; 1427 EE, cmtry on Johannesburg, fair (Jones 11-11)
 21535 S AFRICA R RSA; often first to f/i about 1230, to 1550* (Hauser)
 21540 GERMANY (DR) RBI; 1443* IS, ID, EE, //17880, (Hauser 11-3)
 21545 GHANA RG; 1438 PP, 1445-1530 EE, nx, cmtry, local mx, (Cress, Hauser, Jones)
 21559.5 ALGERIA RTVA; AA jumps from 21565 some days, to 1800*, hets VoA, RAI, (Hauser 11-5)
 21560 ITALY RAI; 1650 Somal1, IS, back at 1659 w/II to Africa, (Hauser)
 21565 ALGERIA RTVA; 1348-1800 AA, usual px, (Hauser, Willis-Australia, Mayer 11-3)
 21580 FRANCE ORTF; 1517 FF, 1536-1539 EE, 1611 FF, 1705*, t1k, var px, (Hauser, Miller)
 21585 SWITZERLAND SBC; 1530 PP to Brazil, rarely free of ORTF QRM, fair (Hauser 10-28)
 21590 ISRAEL IBA; 1600-1642 RR, jamming, (Hauser 10-14)
 21595 FINLAND RF; 1030 Finnish nx, rare since 1kw, tried for 2 years (Hanner-Aus 11-4)
 21605NF NORWAY RN; 1400 EE, Norway this week, poor (Zilmer 11-3)
 21620 ISRAEL IBA; 1348 seldom audible under ORTF, but jamming is sometimes over ORTF, RR and Yid, poor (Hauser 11-3)
 21620 FRANCE ORTF; 1415 FF, suffering from jammer on IBA, to 1910, (Hauser 11-8)
 21655 NORWAY RN; 0700 NN, 1615 EE, 1829* in EE, 1831* SS, fair (Hauser, Padula, Mayer)
 21654.3, 21655v ALGERIA RTVA 1720-1756 AA/FF lang lesson, strong, suddenly off then found at 1806 on 21687 with reduced strength, 1900 EE ID as External Svc of R Algiers, then EE DJ with music, (Cress 11-6, Hauser 11-6)
 21665 PORTUGAL RFE; 1420-1600 Polish, (Hauser 10-14)
 21670 CZECHOSLOVAKIA RP; 1428 IS, 1430 EE Asian svc, QRM, (Hauser 11-1)
 21670 FRANCE ORTF; 1300-2000, already 2 or 3 sta here, ex 21675, (Hauser 10-30) ula 11-3)
 21670 NORWAY RN; 1340 IS, program at 1500, ex 21730, (Hauser 11-4), 0710 NN to Af, (Pad/
 21681 KUWAIT RK; drifted down from 21685 on 10-31, 1455 AA, (Hauser)
 21695 ITALY RAI; 1535* II, sunday only, sports coverage, (Hauser)
 21695 BANGLADESH RP; 0520 AA to ME, NF instead of 21685, (Padula-Australia 10-11)
 21714-5v ALGERIA RTVA; 1422-0000*, EE noted 1900-1930, very variable, (Hauser 10-29)
 21719-20 GHANA RG; 1444 EE, 1559-1605 Swahili nx, poor-good (Hauser 10-17, Mayer 11-3)
 21720 PORTUGAL RFE; 1424-1500f/o, Czech, poor (Hauser 10-14)
 21730 NORWAY RN; 1510 NN, not sched but heard 10-14, (Hauser)
 21735 PORTUGAL RP; 1825 PP mx, //21700, (Hauser 10-23)
 21740v ALGERIA RTVA; jumps to here from 21715 some days, 1330-1730 f/o, (Hauser)
 21475 PORTUGAL RFE; 1700* Bulgarian, jammed, (Hauser)

Thanks this month to: Steve d'Adolf, Fort Bliss TX; Julius Anderson, Brooklyn NY, SX133; Larry Brookwell, Chapala, JAL, Mexico, R4B; Charles H. Brunner, Jr., Salford PA, D7000Y, Allan Courtney, Lexington KY, SX190; Hadley Cress, Harrisonburg VA, R4C; Bill Davis, Laguna Niguel CA, Homebrew; Kenneth Earhart, Allentown PA, SX190; Jim Ebrecht, USN Morocco, Zenith TO; Henry Fino, Rochester NY, 1936 RCA console; Adam Gaffin, Brooklyn NY, Normende Globe-traveler; Robert Hanner, S Caulfield, VI, Australia; Glenn Hauser, Enid, OK, HQ160, Astro-naut 6; Jack Jones, Jackson MS; Jerry Lineback, St. Joseph IL, SPR-4; Daniel McCarthy, Terre Haute IN, DX160; Larry Magne, Philadelphia PA, R4B; Alan Mayer, Park Forest IL; A. A. Miller, Jr., Youngstown OH, HRO500; Tom Overcamp, Bladensburg MD, SP600; Robert Padula, Surrey Hills, VI, Australia, Marconi CR100; Jeffery Powers, Conemaugh PA, DX150B; Kieth Russell, Urbana IL, SX100; Walter Salmaw, West Hill, ONT, SX190; Schelling, Buena Park CA; Richard Schwartz, Dover DE; Larry Talbot, Menomonee Falls WI, SB313; John Tuschcherer, Neenah, WI, HQ180A, HQ100A; Tom Walsh, Quincy MA, DX150A; Douglas Wicks, Conemaugh PA, DX150B; Michael Willis, Hampton VI, Australia, Trio 9R59De; Robert Zilmer, Milwaukee WI, SPR-4.

The solar activity peaked moderately at 101 Nov. 4-5. Quiet geomagnetic conditions prevailed until Nov. 8. Minor disturbances occurred between Nov. 8 and 14 with several good DX catches noted here. I am missing some data this month, but the period was 24 days, so we appear to be having another rise in solar activity about Nov. 25. There may be good DX conditions developing by Thanksgiving weekend. Another peak will be due just before Christmas, with geomagnetic storms possible shortly thereafter.

73 and Happy Holidays to all and to all, good DX

Jerry A. Lineback

73 from

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Address Correction Requested

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