

FRIENDS

The SHORT WAVE BROADCAST Journal - Since 1962

DX & SWL NEWS

7-74



MEMBER BERNARD GREENBAUM, MERRICK, NEW YORK

THE LOUDENBOOMER REPORT

I was glancing through one of my favorite DX-monthlies the other day and found that in the logging section, you can't tell the DXers without a scorecard. There are so many new "regional" and special-interest mini-clubs springing up lately that I decided it was time for a Loudenboomer exclusive.

So now, for the first time anywhere (except for the files of the BBC-MS, where I pilfered the info), here's a compendium of all those amusing little groups.

On top of the list, of course, is the ODDBALL-DXERS. I admit that the name really threw me for a loop until I started seriously looking into the loggings generated by the ODDBALLS....comes the light! The name couldn't fit better!

Then there are the WISH-GUYS: The Wyoming-Indiana Signal Hunters. So-named because they can't hear any of the screwy things reported by the ODDBALLS. Probably because nobody is hearing 'em...not even the ODDBALLS.

Next we find the SLEEP-FELLOWS..that is, So Lazy that Every Evening they Poop-out. The SLEEP-FELLOWS last reported a logging in mid-winter, 1957, when one member's electric blanket conked out.

And then there's the group known as the ACE-LISTENERS: yep, Also Cardplaying Experts. They've been known to bolt from the table and get a decent copy on Outer Oozongia without missing a deal.

You've all met members of the CRAB-DXERS. Requirements for membership here are simple: be able to Complain Regularly on Any Basis. Awfully hard-shell on these dudes when you complain about them, though.

From out of Hoboken comes the PAIN-ASSOCIATION, who Presume Always, ID Never. This club, I'm told, is an offshoot of the old List-Loggers.

One of the most maddening groups..but one which is really growing fast, is the famous TENTATIVES-O-DX PREPORTERS. Members try to quickly make a name for themselves in the hobby by Taking Every Noise, Twisting it, Assume Tarawa, and Imply a Very Exclusive, Selective Opening.

Who can forget the MUD-CATCHERS? Right, the Merry Utah DX Catchers. And from the Big Apple, N.Y.C., comes the well-known GATSBY-GUYS, whose slogan is Glorious Attire, Snobs, and Better-than-You!

From the nation's capital comes word of a new group, the AMMO-TUNERS (that's the Army Maple-Mountain Outfit) -- the only catch is that they can't log anything unless they're at least seven thousand feet above sea level. Word has it that a merger is pending between the AMMO-TUNERS and the MAGNETIC-FINDERS.

We've all met members of the MAMA'S-BOYS...so called because Mother Always Meddles with the Antenna Situation.

But when you talk about special interest DXing, and with Indonesia in vogue this year, the SLAMET-MEN has to be number one. They are Singularly Limited And Mainly Excited about Ternate.

If you think you're an avid listener, maybe you ought to join the self-acclaimed association of the blue-bloods of the hobby, the LEUNER-LISTENERS. Requirements? An ability to Label Every Unidentified Noise as Extremely Readable. Of course, this club is much bigger in Europe.

In its place here in the USA, there's the upper-crust, super-exclusive mini-club that tops them all...the CORRIDOR-DXERS. They are the best because the reply to any new logging is always "Caught Over Really Rough Interference During Overhaul of my Receiver..." But much stronger of course, and several months previous to the "new" logging.

73,

Charlie

Radio Siaran

„Cendrawasih Pusat“

Jalan Batu Ceper V No. 52 Telp. 42824

Jakarta



GEL : 127, 11 M - 2360 KC.



SHORTWAVE CENTER



Edward C. Shaw
NASWA - WDX4EOW
621 Burleigh Avenue
Norfolk, Va. 23505 USA

POLISH PATHFINDERS BROADCASTING STATION



ROZGLOSNIA
HARCERSKA
WARSAWA
ul. 14 Karłowicza 10
tel. 21 04 54

Probably one of Europe's least known broadcasters is in Poland. Least known to the North American continent, that is. For, in Europe, Polish Pathfinders Station is very popular. Broadcasting on two shortwave frequencies everyday except Monday, the Rozglosnia Harcerska uses a Windom antenna and an RCA 300 watt transmitter to speak to Polish youth. About



sixty percent of all broadcasting time is devoted to pop music, mainly of teenage appeal. The youth of Poland are the most numerous of all listeners. Some programming consists of music of other countries as well. The station receives thousands of letters from many countries, including a rare occasional report from America. The Polish Pathfinders Union is the only youth organization in Europe owning an independent broadcasting station. It may be roughly likened to Boy Scouts, but with a semi-political nature. The interval signal tune was taken from a popular pathfinders' song. The organization is for youths between 10 and 18, with about 2 million members in uniforms.

Polish Pathfinders Station began 17 years ago over coffee when several pathfinder instructors gathered to discuss ways of keeping members in touch with one another all over the country. Today, after help from the government, the Union owns premises of about 200 square meters. A professional staff of 8 engineers, 12 editors, and a considerable number of part-time journalists complete the employment of Polish Pathfinders Station. Seventeen years ago, station officials were long on ideas, but short on editorial experience. Now, things have improved in good measure, and the program is very ambitious. It is regarded as one of the leading stations in Poland for its quality and pedagogical value.

Recent communications with Polish Pathfinders Station official, Szczesny Borodzicz, had established a special broadcast from the Pathfinder Station to NASWA members during May or June. But, late word came that new improvement to equipment and premises during the Spring forced a postponement until Fall or Winter.

When renovations are completed and negotiations can be resumed, NASWA will be honored with a special broadcast to North America - probably of 30 minutes duration, and in English. Power of the station may be more than the 300 watts after renovation of the station. Frequencies used, and times, were: 7,306 and 6,850 kHz. 1100 - 1700 GMT weekdays except Monday, and 0900 - 1700 on Sundays. It is not known what frequency is used when. Watch for more word in a later PRENDX for this special broadcast.

DON'T SAY WE DIDN'T TELL YOU NASWA Convention July 19-21

Let's hope you weren't one of those who waited until the last minute, and then failed to get your intentions together. NASWA's convention will be held in Columbus, Ohio at the Neil House, July 19-21. If you live in the Columbus neck of the woods and are planning to attend meetings without using any of the accommodations of the Neil House, please make your intentions known since there is some minor expense and planning involved with meeting rooms, banquet meal, etc. Write Randy Minnehan, 975 Chestershire Road, Columbus, Ohio 43204 TODAY !! I'm going, are you?

THE LOCAL POWER COMPANY - A DXER'S FRIEND
by Neal Perdue

I had been bothered by a strange, intermittent loud buzzing for several months. The sound was similar to that of the KYL's hand mixer, and it did a good job of wiping out whatever I was listening to on AM or any SW band. It was usually in two-three second pulses with three-five seconds of pause in between. For the first several months I seemed to hear it only in the afternoons, but it soon became a "round-the clock" problem with the approach of winter, and I could no longer cope with it.

I called a local Ham friend over to listen to it, and he had it figured in a couple of seconds. "Call Memphis Light, Gas and Water," he said, "You got a powerline arcing over through an insulator." Well, I lost no time and was on the phone immediately. "Hello - I've got a powerline arcing over," I proudly announced to the YL answering at the utility company office. "You got what, Sir?" So, I explained it to her.

The "special truck" arrived on the scene a few days later. I was unimpressed by the array of equipment with which he expected to solve my problem - a beat up old HQ-180 which I couldn't talk him out of for \$20, and junky portable all-band receiver of undetermined origin which I declined to bid on. I shook hands, introduced myself, and casually offered, "believe we got a powerline arcing here." He had already picked up the interference on his portable. He gave me a rather strange look and I thought to myself, "Wow, they gave me some dummy who doesn't even know what I'm talking about!"

The maintenance man asked, "Do you have a heating pad plugged in somewhere?" "No" I said, wondering why he was worried about heating pads when I'd already explained the source of trouble. Well, he got back in his truck and drove off. I wondered if I'd seen the last of him. Maybe I had offended him in some way. Surely, this wasn't going to be one of those bureaucratic deals where you get one question answered for each visit and have to get a new appointment for each visit.

I went inside, opened a beer, and went out to sit on the porch and ponder why he had not seemed interested in my powerline. The AM radio was on, and I suddenly realized that the interference was gone. Well, great!....here we get a guy out here to check it out and now there's nothing to check!

With that, the truck pulled in again. I walked out to talk to him and got the story - he had traced the noise source to a residence a few doors up the street. When he knocked, he was taken for a salesman and was treated quite harshly. He then introduced himself, let the people listen to the interference, located the offending heating pad which was plugged in with the rheostat in the OFF position, pulled the plug out....and presto!, the communications picture was once again bright and happy in home town.

I'm now convinced that there is a lesson to be learned here somewhere, but I just haven't quite got it figured out yet. And, I'm not too sure I want to, either. (N.A.P.)

COUNTRY COUNTERS...A New Country Is Coming!! By Marlin Field

It was more than 10 years ago that TransWorld Radio first attempted to establish an international shortwave station on U.S. soil. However, due to FCC regulations there was a freeze on shortwave transmitting stations and no permits were granted during this time. In 1971, Trans World Radio sought unsuccessfully to have the FCC accept application for Guam. Then in the summer of 1973 the freeze was lifted and TWR again applied to the FCC for the construction permit for Guam. This permit was granted on January 24, 1974, and TWR further intensified their efforts to establish this station. The call letters of the station on Guam will be **K T W R** and the power of the shortwave station will be 250 kilowatts. The signal will reach into eastern Russia, China, S.E. Asia, India, and Australia. (The foregoing paraphrased from a TWR publication, also mentioning TWR's Swaziland station will go on the air in 1974.

NEED HELP in identifying strange interval signals you've found? Sent it to Short Wave Center address on recording tape with return postage. 1 day service. For additional \$1.00, will fill up your tape with melodious collection of interval signals. 3-inch reels or C-60 cassettes accepted. Good quality. Remember: Your tape, \$1.00, and return postage. Any particular ones desired?

RADIO NEDERLAND'S ALL-ROUND DXER'S COURSE
Information courtesy of DX Jukebox

Ed. Note: NASWA will feature some of Radio Nederland's courses from time to time. At the present, it is felt that with approach of the Fall and Winter DX season many NASWA members might enjoy learning more about their hobby. Following is a short resume of one course entitled the "All-round DXer's Course," compiled by Radio Nederland's own energetic friend of all DXers, Jim Vastenhoude. Various sections of the 25 lesson course have been written by reknowned DXers around the world, such as Arthur Cushen of New Zealand, Jan Tuner of Sweden, Dr. Richard Wood of Louisiana, Glenn Hauser of Oklahoma, Alain Descrieres of France, Maarten van Delft of Holland, Radio Nederland's own storehouse of expertise Harry van Gelder, and Jim Vastenhoude himself. With this kind of study material, how could one go wrong?! Read on....we believe that every DXer worth his salt (or thinks he is) should have this information. The "All-round DXer's Course" is just about the best source available anywhere - commercial or otherwise.

How does it work? Well, first you must write to Radio Nederland expressing your desire to join up for the course. Of course, there is no fee involved. You will be enrolled and shortly sent the first set of four lessons. When you have answered the review questions at the end of each lesson and completed the set of four, simply send them in for grading and the next set of four will be returned to you. You must send in a completed set in order to continue the course. This is reasonable, and assures Radio Nederland of your continuing interest in pursuing the course, and it also permits them to see how well you are faring.

Just to give you a preview of what the course is all about, a few of the lessons titles are given here: A Brief Outline Of The Hobby, The Shortwave Bands, DX Codes (the hobby jargon), The Antenna, Shortwave Propagation, DXing Latin America, DXing Asia and the Pacific, DXing Africa, Utilities, Time Signal Stations, DXing TV and FM, DXing Medium Wave, DX Organizations, and International Telecommunications. These are but half of all you will learn about. There is much information here that is not available to just anyone. Even our hobby's most experienced leaders could learn something in this course and still have the satisfaction of accomplishing a worthwhile endeavor.

FREEBIES FROM RADIO NEDERLAND

Also available from Radio Nederland are several information sheets on just about every useful subject in the DX hobby. Sooner or later, you will find that Radio Nederland has it.

There is no charge asked for such information folders and sheets as: Antenna Booklets, Circuit Adjustments of the Receiver, Active Antenna design, Radio Interference Suppression, Shortwave Buyer's Guide, The Story of Radio Nederland (did you know you might save postage by asking for Radio Nederland's broadcast schedule from P.O. Box 1121, Station C, Scarborough, Ontario, Canada?), Spanish Vocabulary list, etc. etc., and etc.,

In spite of the address above for acquiring schedules, all reports and requests for these brochures, or registering for a special course must still be done in the usual manner by writing Radio Nederland, P.O. Box 222, Hilversum, Holland.

MORE VAC/QRP - Featuring the works of Russell Lay, Virginia Beach, Va.

See how low you can get your total wattage. Simply list your lowest wattage QSL from each of the six continental areas.

North America	Turks Island	500 watts
South America	R. Santa Fe	2,500 watts
Oceania/Austral.	WVH	2,000 watts
Africa	ORTNiger	4,000 watts
Europe	RNI	10,000 watts
Asia	Bangkok Weather	10,000 watts
	QRP:	29,000 watts Total

A TALE OF EXOTIC DX - St. Helena Government Broadcasting Station

Now you see it, now you don't. St. Helena was on the air for a very short time with experimental broadcasts, but no reports of the short lived broadcasts found their ways to St. Helena Island - isolated away down in the reaches of the South Atlantic Ocean.

When word first broke that St. Helena was on (or planned to be) the air, attempts to contact the station were met with the realization that a letter takes several weeks to reach the island. There is no air service to St. Helena and surface ship contact occurs about every ten days - half going to South Africa and half going to England considering all calls.

Your editor has had three communications with the secretary of Broadcast House at The Castle, and the following points are shared concerning the short wave service of St. Helena.

A series of tests were carried out on frequencies of 6100 and 11830 kHz during August-December 1973. The tests were not entirely satisfactory as expected. The frequencies are not yet firmly established, but NASWA is assured of advance notice of any changes made when broadcasting resumes.

Preliminary investigations to start shortwave in St. Helena began in 1971 or earlier, the main objective being to give St. Helena residents in Ascension Island the opportunity to keep in contact with home. At the moment, the AM station on 1511 kHz serves St. Helena. A proper QSL card will certainly be prepared in due course. Regretfully, a special broadcast for North America would seem impractical since a limited (1 KW) facility beamed to Ascension Island would have little likelihood of reaching the U.S.A. The station is building a small record library and would appreciate offerings of current popular music, or high fidelity recordings of the same.

Several brochures sent with the secretary's latest letter included a visitor's guide for the island, from which a few facts are given here. The island was the place of Napoleon's incarceration until death. His body was returned to France in 1840. The island is only 47 square miles, mostly green, mountainous interior surrounded by generally rocky coasts. The only town of any size is Jamestown with less than 2,000 souls of the island's near 6,000 population. The entire population is a homogenous race except for approximately 200 mainly British caucasians - all employees of Cable and Wireless, the Post Office, Steam Ship Office. A half dozen other families have settled there from Britain.

Life in St. Helena would seem to be idyllic. Temperatures are moderate in Summer and sweater-worthy in winter. The hills tend to be several degrees cooler. Rain on the coastal areas such as Jamestown only amounts to 9 inches or so, while the hills average 30-40 inches. Greenery is everywhere. A price list of the 1974 index indicated that food stuffs and general commodities imported are comparable to U.S. prices of five years ago. Domestic produce and meats are considerably cheaper. There is little electricity available outside Jamestown. A short wave radio is an absolute essential entertainment, according to the brochure. There seems to be adequate facilities for maintenance of common household equipments.

Visitors to St. Helena are welcome, although immigrants are discouraged unless they bring an independent source of income and have arranged for their home in advance. A leisurely and graceful existence with hired service can be maintained for \$5,000 or so per year. Hotels are not plentiful, but few people visit St. Helena. Two tourist home type places offer room and board for approximately \$5 - \$7 per day per person.

The radio station plans to operate the short wave service the same as the AM service, Sunday through Friday. Sunday schedule is from 4 p.m. to 10 p.m. local. Mondays: 12 noon to 9:30 p.m., Tuesdays: 9:45 to 10 p.m. Wednesdays: 8 a.m. to 8 p.m. Thursday: 7 a.m. to 10 p.m. and Fridays: 7 a.m. to 10 p.m. (How's that for a cock-eyed schedule?)

Programming is typically British for colonial outpost areas. Programs are drawn from BBC repertoire heavily. A few local talent programs and dances are occasionally broadcast. Local announcements are made each night at 8:30 p.m.

HOW TO GET ELEVEN COUNTRIES THE EASY WAY - ALMOST

VOA Transmitters

Eleven countries are available to most DXers in the U.S.A. and Canada, and most of them can be heard on very modest equipment. Thanks to Uncle Sam, the VOA provides these eleven countries (according to the official NASWA Country List - 25c from HDQ), and they can be heard with usually strong signals anywhere in the whole continent. One or two of them may give a problem, but patience is the key word. The countries - in no particular order - are these:

BERLIN (VOA's RIAS)	RYUKYU ISLANDS (OKINAWA)
DODECANESE ISLANDS (RHODES)	GERMANY (MUNICH)
LIBERIA (MONROVIA)	GREECE (KAVALA)
PHILIPPINES (PORO/TINANG)	TANGIER (MOROCCO)
ENGLAND (WOOFFERTON)	SRI LANKA (COLOMBO)
U.S.A. (BETHANY, GREENVILLE, DELANO, AND DIXON)	

Below are listed a few of the easier and currently reported frequencies for these countries, and a time period when they are scheduled to be on the air. The frequencies and times are accurate according to VOA's own frequency schedule valid until 1 September 1974. However, this is not a complete listing. No consideration has been given as to languages used and the intended targets. Frequencies listed in same time periods does not necessarily mean that these are parallel programs - many of these examples were consolidated as a space-saving move.

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
BERLIN																										
OKINAWA																										
DODECANESE IS.																										
GERMANY																										
LIBERIA																										
GREECE																										
PHILIPPINES																										
TANGIER																										
ENGLAND																										
CEYLON																										
USA BETHANY																										
GREENVILLE																										
DELANO																										
DIXON																										

The above suggested frequencies and times were compiled in consideration of darkness patterns between the transmitter and the U.S.A. Also, some estimated fade in/out times are illustrated with a squiggly line. A complete listing of all VOA transmitter frequencies and times, giving sites and target areas, and powers, is available from your Short Wave Center editor for 25c xeroxing fee and a legal size, self-addressed and stamped envelope (2 stamps). Finally...yes, I agree that VOA's RIAS transmitter in Berlin is likely to be difficult if not impossible at present - due mainly to location of BBC on the same frequency. It used to be generally heard up until 0330 GMT when the Munich transmitter for RIAS took over.



CLANDESTINE

BULLETIN

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

PULLING THE PARTY'S TAIL: EASTERN EUROPE'S UNDERGROUND RADIOS

by

Errant Limiers-Ondes

Editor's Note: CB is proud to present this month a unique expose on Eastern Europe's truly underground radio activity by none other than France's well-known writer on motorcycle touring, Errant Limiers-Ondes. His manuscript was in French; any errors in translation are therefore entirely mine.

* * *

Although the CIA may protest in secret out of injured pride, the home of official clandestine radio is Eastern Europe. Stations like Radio España Independiente have been around for so long that their bureaucracies must now be just as fossilized as the grey bureaucracies of Radio Berlin International and friends. The more dull the official activity, though, the more interesting is what goes on without official approval. Governments do not part with information about this private sport, either because it is illegal and embarrassing or because it refers to their plans for taking advantage of their neighbors. Either way, I can recommend the hunting of the information "on location" as a fine game which mixes the skills of crossword-puzzle solving and bullfighting.

American newspapers have taken up the story of the Russian hobby pirates which first appeared in the German weekly Der Spiegel around the end of 1972. Our legality is apparently more legal than Socialist Legality, at least if one leaves all the violations of FCC rules by Citizens'Band operators out of consideration. Even if the Russians bent their consciences enough to reserve a similar part of the spectrum where the rule would be "anything goes", their problems would not be over. The Russian pirate has a passion for communicating his views to the widest possible audience -- maybe a relief from the non-communication which is built into his daily life -- so he is unlikely to be satisfied with anything less than a slice of MW or the 60 meter band, where he lurks at present in wait for a domestic audience. The official line that the pirates interfere with essential services like aviation is understandable as propaganda for internal consumption, but is probably nonsense in fact, because the utility bands are not where the listeners are.

Frustration makes the authorities bad-tempered, as in the case of the elusive Radio Red Baron in a corner of the Ukraine. No politics for the Baron, if one excepts complaints against his water supplies and bus connections, but even a ghostly voice on 1250 kHz which replies to the Kiev regional program's boasts -- not coincidentally on 1241 kHz -- about agriculture with yet another installment of "100 ways to cook cabbages and potatoes" is unnerving. A low official usually doesn't talk back to a high official, but the government's failure to catch the Baron allowed one low official to engage in a little boss-

baiting in my presence not long ago. Fortunately, I was able to fade away at the point where they were about to pour glasses of tea over each other in their excitement. No CIA plot could have been better at sowing internal dissension.

How to hunt your favorite private clandestines is fairly simple. A receiver is helpful -- the most efficient portable which can be carried as luggage without being arrested at the average frontier is ideal (but be careful of the Czech customs police!) -- both to pick up what is going on, and to act as a bait for conversation with curious civilians who may have stories about what is going on or what has gone on in the past. Occupants of military uniforms are also good for conversation, but here the receiver is to be kept well out of sight. Bars in places where uniforms are concentrated (which means almost anywhere, but border towns obviously offer special possibilities) are similar in many ways to bars near American military bases. The most promising target in a bar is the drinker with the highest rank, but for the sake of both safety and a ready flow of talk it is best to make a trade-off between the amount of brass on the outside of a uniform and the amount of firewater inside it. Having picked your conversational prospect and brought out your tourist phrase-book, you are then on your own.

Some interesting information about Slovenia and Croatia has come out of alcoholic military conversations (eat well beforehand, and choose spongy foods!). In case the fraternal Russian and Hungarian comrades find it necessary to visit these areas of Yugoslavia to offer comfort to the population in the case of unexpected changes in the central government, it seems that two types of broadcasting are ready.

Firstly, there are "black" clandestines to imitate stations of the regular Yugoslav networks, and secondly there are even blacker clandestines to behave like spontaneous stations of popular resistance and to send confusing news.

On the other side of the fence, "spontaneous" stations are being prepared carefully by people with some technical knowledge, partly in anticipation of visitors from across the border, but partly as a hedge against unwelcome attentions from Belgrade. While much of the activity can be guessed only from rumors, the "military spokesman" who led me into this paragraph reported the monitoring of one MW clandestine operated briefly by students in Zagreb during the forced alterations in the leadership of the League of Communists there in December, 1971. Even SWL's should lend an ear to this part of the world whenever it makes the headlines in their local newspapers.

Best Hunting on 49 Meters

If I must point to a place where the ear should be put, I recommend 49 meters, because this has the greatest chance of providing the stations with an audience. Most European receivers with SW coverage have a band from 6 to 12 MHz, with 15 or 18 MHz as the upper limit in some cases, but there are also many popular local products and Japanese imports where "SW" is a bandspread version of 49 meters only, usually 5.9-6.25 MHz. Again according to a military listener, the short Greek student rebellion of 1973 was represented on SW near 5.9 MHz by a station built quickly by students of Athens Polytechnic and operated on November 17. In Western Europe the HF end of the band is popular with pirates, as monitoring by people like Al Martin and Gregg Calkin in NASWA's own "Log Report" shows. The December, 1973, issue contains a particularly interesting case, on 6238 kHz, of a hobby pirate suddenly taking on a political coloring. When the disturbance is right, many Eastern European hobby pirates are likely to make the same switch. It may be hard to think of a disturbance which would turn the Red Baron's neighbors into clandestines, but other places with their share of radio-hooligans (official translation) are more volatile. The riots in Kaunas in May, 1972, led to a short-lived burst of activity. In longer riots anywhere in the future, I expect the broadcasting to be longer-lived.

Polish Transmitter Hidden Under Floorboards

Hobby pirates are relatively rare in Poland. There, transmitters which emerge in response to a need are built from the ground up, but then survive under floorboards against the "next time". The clandestines in Szczecin in the food-price riots of December, 1970, which caused the disappearance of Gomulka, were well-heard in Sweden, even though some were initially of poor technical quality. Since those transmitters were thrown together between demonstrations, the quality was not surprising. It was civilian curiosity about my portable receiver which led me by a roundabout way to an under-floor-board transmitter, the pride of its proprietors despite its bread-board style

of wiring. I estimated the power at 100 to 150 crude but effective watts. It was not fired up in my honor because the location was too central, but I was told that it had played a sound role in the 1970 games. Since then, it has been gradually refined as the builders read more and more textbooks in electronics, and after each improvement it has been tested in the disguise of a hobby-pirate.

To end, my message about grass-roots Eastern European clandestines is "Watch a) the headlines, and b) the hobby pirates". Suitable headlines turn even the most sleepy pirates into clandestines. Most of the activity will be on MW, but you can look for Russians among their Home Service stations on 60 meters and others off each end of the commercial 49 meter band. And if you can't take your vacation with your portable and your phrase-book in Eastern Europe, try Gotland or Bornholm as a listening-post.

CORRECTION

In the June edition of "Clandestine Bulletin", p. CB-4, it was erroneously stated that "Radio Sorush" appeared to be the successor to the "Voice of Iranian Freedom Lovers" and may therefore be via a 50 kw transmitter of Radio Baku, USSR. The placement of this sentence was such that the material could have been construed as having originated with the BBC Monitoring Service.

The source of that material was not the BBC MS. As for the correct material, the BBC MS's Chief Monitor, Mr. G.A. Weston, writes,

"Radio Sorush" follows much the same line as the defunct 'Iranian Revolutionaries' Radio' and undoubtedly uses Radio Baghdad's facilities. The Baku-based clandestine is the 'National Voice of Iran', which is still broadcasting."

CB regrets the error and thanks Mr. Weston for providing the correct information.

TOKYO REPORT

by

Isao Ugusa

Isao Ugusa, updating the material on Soviet black clandestines beamed to the People's Republic of China, provides not only new details, but also the discovery of a very unusual type of black clandestine radio operation that probably emanates from the same facilities used by "Sparks", "Voice of the Liberation Army", and "Proletarian Battle Division". He writes,

"Another Chinese-language station was heard on 7525 (7530) kHz. Since around May 1st a very strange station has been noted on 7525 kHz with a very irregular schedule. It was heard once or twice (three times at most) at the following times: 1100, 1130, 1230, 1330, 1430, with programs of 7 to 23 minutes length. It would sign on with

"The East Is Red" and sign off with the "Internationale" (mixed chorus) which is used by Chinese domestic radio stations. After "The East Is Red" comes the ID, "Chungyang Jenmin Kwangpo Tientai", "Hupei Jenmin Kwangpo Tientai", "Hunan Jenmin Kwangpo Tientai", or some other Chinese domestic radio station ID (the ID varies from day-to-day, but Chungyang JKT -- "Radio Peking" -- is the most common). The bogus Chinese station carries the respective station's program for several minutes, then comments on the recent "Pi-Ling Pi-Kong" movement in China. It is jammed during this segment. This station may have become inactive after May 10."

Veteran monitors will recall the numerous "Radio Pragues" during the Warsaw Pact invasion of Czechoslovakia in 1968, all but one of which were bogus. However, this is not quite so crafty as the Chinese-language operation, which goes so far as to relay, apparently in parallel, home service programs, injecting only a brief bogus segment designed to mislead listeners. This is really the blackest of the black propaganda radio operations!

Isao Ugusa continues with some observations on more conventional Soviet-based anti-China black clandestines,

BOOTLEG BOB STRIKES!

from

The New York Times

Thieves Take Radio Tower
EDWARDSVILLE, Ill., June 17 (UPI) — A 100-foot radio tower was stolen along with a number of other items in a weekend burglary from the Phacker Construction Company, the police reported today. The owner of the company, Floyd Phacker, told the police that he discovered the theft yesterday when he stopped by his office. Value of the stolen items was placed at more than \$10,000.

"The recent Soviet black clandestines' schedules are more complicated than those in June's CB. For example, the most common station name on 7520 kHz at 1100 is "Proletarian Battle Division", but sometimes "Station Sparks" ("Huohua Tai") -- formerly "Sparks" ("Huohua") -- is heard instead with the same style and playing the "Internationale" at sign-on and sign-off. In addition, "Voice of the Liberation Army" is rarely heard at that time on that channel. Therefore, such expression as "Proletarian Battle Division, Voice of the Liberation Army, and Station Sparks have been merged into a joint operation" may be right; but, again, the Voice of the Liberation Army is less active than the other two stations on that frequency at that time. Overall, Proletarian Battle Division is the most active, followed by the Voice of the Liberation Army, with Station Sparks rarely heard now (Station Sparks Chinese ID is currently, "Qing zhuyi, qing zhuyi! Zheli shi Huohua Tai xiang quanquo qingnian tongzhi quangbo").

"Radio Red Flag is probably inactive on 995 kHz now, but I'm not 100% sure. The unidentified Chinese-language black clandestine on 7120, reported on in last month's CB by Victor Goonetilleke, is the Red Army Radio Station, also noted at 1415-1423."

Going on to Korean-language clandestine operations, he continues,

"The Korean station on 4699 (also reported on 4695) is not a clandestine station after all, but rather a utility station from North Korea called "Chosen Yonghe Hesang Pangsong Sil". As for the Voice of the Revolutionary Party for Reunification, based in North Korea, they now announce their schedule as follows:

2100-2300	Korean	1135v, 4557v	kHz
0300-0500	Korean	1135v, 4557v	kHz (new time, but not yet confirmed)
1000-1400	Korean	1135v, 4120v, 4557v	kHz
1400-1430	English	1135v, 4120v, 4557v	kHz

(Editor's note: is the relay of this station from 1000-1100 Sundays via KCBS, Pyongyang, still active on 645, 655, 685, 735, 800, 3320, 6250 and 6400 kHz?)

"Inactive Southeast Asian clandestines include Radio Liberate the Southern Part on 6320 kHz, Voice of the People of United Indochina on 6803 kHz, and Voice of the Destiny of the Fatherland on 6990v kHz."

Thank you very much, Isao Ugusa! Thanks, too, for the most interesting tape recording of many of these stations; I hope to study it in more detail before long. In closing, IU noted an unidentified Laotian operation on 6643 kHz to 1500 s/off with the Laotian National Anthem. He welcomes any clues as to its identity.

Finally, "Cairo's relay of the Voice of Palestine now signs on at 1630, one hour earlier than before, noted fair in Tokyo. Voice of Malayan Revolution is still on the air after June 1, despite the diplomatic accords between Malaysia and China."

Yes, Voice of Malayan Revolution is still noted here at 1030 on 11830v. Professor Anthony Short, commenting on the "24 Hours" program of the BBC World Service May 28, suggested VoMR may not be located in China as previously thought, but rather in North Vietnam. However, its continuity during the major US bombing raid on the Hanoi clandestine site, plus several other clues, suggest Hanoi is not the site. The Human Province, China, site is well-substantiated by reliable Western monitoring and military sources.

RADIO FREE SCOTLAND

Our new reporter in Scotland, Ian MacIntosh, writes that Radio Free Scotland was a "celebratory" operation of a pop pirate under a different name, partly because all the other RFS's were silent at a time of national importance. It doesn't plan to broadcast regularly, but "we haven't heard the last of it yet." As you recall, RFS was noted several times on 6248 kHz earlier this year.

AFRICAN DEVELOPMENTS

The BBC Monitoring Service reports that the "Voice of Free Angola" now transmits via Radio Kinshasa and Radio Lubumbashi twice daily (except Sundays) at 1800-1830 and 2200-2230 on 11865v and 15245v kHz. Sundays only the 2200-2230 transmission takes place.

Finally, John Campbell of England (for now) reports a "Voice of Namibia" is due to commence operation from Zambia soon, thanks to Chinese, Irish & UN help.

QSL REPORT



Larry Yamron, 6830 Linden Lane, Pittsburgh, Pa. 15208 U.S.A., Deadline: 10th

QSL NEWS

STATION ADDRESSES: Radio Clarin, Dominican Rep. Please add the following to Radio Clarin's present address: Apartado 205, Zona 2, Santo Domingo. (via Cesar Objio)
Radio Frunze, Kirghiz S.S.R: State Committee Of Minister Union Of Kirghiz SSR By Broadcasting and TV, Frunze, Molodaja Gvardiji Street. 62. (via R. Pankov)
Radio Khusus Pemertinah Daerah, Propinsi Jawa Timur, Jalan Pahlawan No, 18, Surabaya, Indonesia.

Muy buena! Thats all I can say about this months QSLs received. Dx'pert John Campbell verified the rare Radio Nationale Khemre! Mr. Campbell also verified the rarely heard African, Radio Cordac, Burundi... Nice catches John!..Ed. Ace Dx'er Gerry Dexter received QSLs from AIR Ghauti, R. Cosmopolita, and the new Dominican, Radio Clarin. Ernst Lohe and Marlin Field verified the interesting Ecuadorian, Ondas Quevedenas, 3325 khz. Many interesting Latins received this month. Ernie Behr received a verie from the Cladestine Wild Turkey Radio without sending a reception report!! Many new reporters this month including Serge Neumann who will be the guest speaker at ANARC.... I will be at Columbus and the ANARC convention. Hope to see you there.

SPECIAL NOTE: There will be no QSL REPORT in the August issue due to yours truly going on vacation. Have a good summer.

ANGOLA: Radio Clube do Lobito, 4936, jungle scene card w/verie statement in 7 weeks for EE report and 2 IRCs. (Behr) card in 2 months air for 1 IRC. (Field)

Voz De Angola, 6175, full data card in 2 months for PP report, 1 IRC. (Barto)

ARGENTINA: RAE, 11710, full data globe card, sked., 4 months, no return postage. (Lovitz)

ARMENIAN S.S.R: Radio Yerevan, 5915, full data card for Overseas Svc. 8 weeks airmail. One of the few freqs. known to be used by Yerevan transmitter. (Padula)

ASIATIC S.S.R: R. Moscow via-Petropalvsk-Kamchatsky, full data card for RM report form, 26 days air. (Mayer)

AUSTRALIA: Radio Australia, 21740, full data card in 87 days sea mail, no IRCs. (Day)

VLQ9, Brisbane, 9660, full data new map card of Queensland stations. 12 days air for 2 IRCs. (Hambright)

VLM9, Perth, 9610, full data map card of W. Austrl. 8 weeks, no IRCs. (Quinn)

AUSTRIA: ORF, 15200, 'Niederosterreich' card w/full data in 1 month air, no IRCs. (Lobdell)

BELGIUM: Radio Belgium, 6055, map card w/date and freq. 1 month for 2 IRCs. (Hagen) card, sked. and mailbag script in 1 month. No return postage. (Rockwood)

BOLIVIA: Radio Abaroa, 4730, letter in 1 month from V/S. Rene Arias Pacheco, Director.

(Dexter) Radio La Cruz del Sur, 4875, EE form letter, llama card and pennant from V/S. Rev. Augusto Clavijo, Dir. Gen. 5 months for mint stamps after 3rd try. (Lohe) full data card, letter, and pennant. 1 month air for mint stamps. (Wootten)

BRAZIL: Radio A Voz do Aeste, 4985, letter in 4 weeks for PP report, mint stamps. (Barto)

R. Clube de Ribeirao Preto, 15415, PP letter and stickers in 19 days for PP report and 2 IRCs. V/S. Ticiano Mazzetto, Dir. Gen. (Neumann)

R. Cultura da Bahia, 9595, EE/PP aerogram form letter in 5 weeks for mint stamps. says 6155 is // freq. (Lohe)

R. Educadora de Braganca, 4945, PP letter in 6 weeks for SASE (used) 2nd letter received 2 weeks later w/post card and folder info. on station. V/S. Irma Arlete Barboza da Silva, Dept. Artistico. (Field)

Radio Guarani, 6175, card and decal in 6 weeks after f/up. SASE not used. (Field)

BRAZIL: R. Nacional de Brasilia, 15445, card, letter, and pennant for tape report. 27 days air for 2 IRCs. (Ravenhorst) full data card, pennant, 26 days, 1 IRC. (Davidson) card w/all data in 6 weeks, no IRCs. (Earhart) card, pennant, and sked. 31 days, no return postage. (Quinn) full data card in 3 weeks, 1 IRC. (Wootten)

Radio Tupi, 15155, 2 post cards and QSL letter in 15 days from V/S. Serginho Marques, Dept. de Esporte. (an active SWL!) PP report and 2 IRCs. (Campbell)

Radio Univerao, 9545, QSL letter in 1 month for PP report and 1 IRC. V/S. Antonio Carlos De Souza, Correapon. Internacional. (Barto)

BURUNDI: Radio Cordac, 4900, full data card in 14 days for 2 IRCs. (Campbell) SEE QSL-3.

GAMBROON: Radio Yaounde, 4972.5, full data map card in 2 months air for IRC after f/up. (Field) full data card in 2 1/2 months for FF report and mint stamps. (Lohe) full data card in 12 weeks for mint stamps. (Earhart)

CANADA: R. Canada Int. 6125, full data 'Mike' card in 4 weeks. no return postage. (Wootten) 9755, full data globe card in 1 month, no IRCs. (Day) card in 38 days. (Paschke)

CBC Northern Svc. 9625, full data card, 43 days. No IRCs. (Parker)

CFGX, 6005, card in 1 month, no IRCs. (Overcamp)

CHNX, 6130, card sez 250 watts. 17 days. V/S. J. Fisher. (Neumann)

CHU, 7335, full data card in 2 weeks, no return postage. (Force)

CANARY ISLANDS: RWE, 11800, antenna card w/date and freq. only, 262 days air for SS report and 2 IRCs. (Snyder) card in 20 days, no IRCs. (Rockwood)

CAPE VERDE: Radio Barlevento, 3930, EE card in 3 months sea for 2 IRCs. (Field)

CHAD: Radiodiff. Nationale Tchad. 4904.5 full data photo card in 50 days air for 2 IRCs and EE report. (Mayer) card in 1 month for FF report and 1 IRC. (Barto)

CHILE: La Voz De Chile, 15150, full data card and sked. in 1 month for EE report and 2 IRCs. (Hill) full data card and sked. 28 days, no return postage. (Day) full data card and personal letter in 23 days for EE report and 1 IRC. (Mayer) card in 1 month for SS report. V/S. Gustavo Heitmann S. (Lobdell) card in 3 weeks. (Barto)

CHINA P.R.: Radio Peking, 15060, full data card in 1 month. (Lovitz) card w/freq. and date in 3 weeks. (Earhart) card and pennant, calendar, 2 months. (Force)

CLANDESTINE: Radio England, 6235.7, card, bulletin and letter in 3 days! for SAE. Agricultural pirate in Somersat. (Campbell)

Radio Kristel, 6230, plain card and news letters in 9 days for SAE. Located in S. London, plans higher power soon. (Campbell)

Radio Tiffany Int. 6237, yellow card in 25 days for 3 IRCs. This 15 watt station is near Linkoping, Sweden, is probably the lgeast lived of pirates. (Campbell)

Wild Turkey Radio, 5035V, letter for reception of Dec. 73, though I never sent them a report!! Letter was airmailed from Turkey, but Canadian Gov't monitors suspect QTH around Winnipeg area. V/S. "Pullet" and "Gobbler". Wonder if C. Loudenboomer can beat this mystery! (Behr) I have a strong hunch "Pullet" and "Gobbler" are NASWA members! CL where are you?...Ed.

COLOMBIA: La Voz Amiga, 6010, QSL letter in 5 weeks for SS report and 1 IRC. V/S. Fabio Palau Rojas, Gerente. (Barto)

La Voz del Huila, 6150, SS letter and pennant, tourist info. in 2 months from V/S. Fernando Segura R., Dir. sent SS report and mint stamps. (Lohe) letter w/date and pennant, booklet on Archeological Park, 77 days for SS report, mint stamps. (Hardester)

R. El Sol, 6140, letter w/date and post card of Cali. 646 days for mint stamps. V/S. Neater Salazar R. (Hardester)

R. Guatapuri, 4915, letter w/verie statement and beautiful pennant in 6 months air for SS report and mint stamps. (Yamron)

R. Nacional, 4955, card and 20th anniversary sticker in 90 days for 1 IRC and photo. (Hoppe)

COSTA RICA: Radio Capital, 4832, verie letter from V/S. A.L. Monge, 25 days air for 1 IRC. (Hoppe) R. Casino, 5954, long green card and small pennant in 21 months for IRC. No f/up. Time moves slowly in Puerto Limon! (Campbell) Zzzzzzzz. Ed.

CUBA: Radio Havana, 15140, long green card w/all data, letter and sked. 74 days, no return postage. (Brooker) 11930, card and letter in 5 months, no return postage. (Force)

CZECHOSLOVAKIA: Radio Prague, 5930, castle card w/all data in 4 months, no IRCs. (Earhart) 50 year jubilee card, all data, 23 days, no IRCs. (Overcamp) 5930, mountains card in 1 month, no return postage. (Day)

DENMARK: Radio Denmark, 15165, Aerial card w/all data in 40 days, no rp. (Jones) 15165, card w/full data in 4 months, no return postage. (Wootten)

DOMINICAN REP: La Voz de la Libertad, 6220, letter and pennant in 3 weeks air. V/S. Arturo A Serrata, Sub Dir. (Field)

La Nueva Voz Del Papagayo, 5030, QSL in 3 weeks for SS report and 1 IRC. V/S. Jose M. Rivezo Olmedo. (Barto) letter in 10 days, mailed from address in Puerto Rico SASE not used. V/S. Same. (Field)



Radio GUATAPURI

MANUEL PINEDA BASTIDAS

- Radio Clarin, 4850, form letter and pennant from V/S. Neit Rafael Baez, Administrator. 1 month air. (Dexter)
- RTVJ, 9505, SS verie letter, pennant, station info. for NASWA SS report and mint stamps. 18 days air. (Webb)
- ECUADOR: Ondas Quevedeñas, 3325, registered letter and Christmas card in 1 year from V/S. Humberto Alvarado Prado, Gerente Gen. sent SS report and mint stamps. (Lohe) registered letter and Xmas card from above V/S. 6 months air on 9th try! SASE not used. (Field)
- Radio Cosmopolita, 3270, letter, pennant, postcards in 5 weeks air after f/up V/S. Enrique Ruiz Martinez, Gerente. (Dexter)
- Radio Luz y Vida, 4825, full data card and nice pennant in 4 months for SS report and mint stamps. V/S. Hermano Auiáda Campos. (Yamron)
- EGYPT: Radio Cairo, 9475, village scene card w/all details, 21 days, no rp. (Earhart)
- ENGLAND: VOA, Wofferton, 7200, 15205, 17855, cards in 8 days. (Barto)
- ETHIOPIA: EITP, Voice Of The Gospel, 11945, card and pennant in 64 days air for 2 IRCs. (Ravenhorst) 11955, full data blue card in 3 weeks for 1 IRC. (Atkins) 15400, blue card and personal note, sked. 4 weeks for 3 IRCs. V/S. Mrs. Mbowdam. (Glawson) card, sked. in 17 days air for 1 IRC. (Rockwood)
- FINLAND: Radio Finland, 9585, Spring In Finland card w/all details but wrong freq. 23 days for 2 IRCs. (Day)
- FRANCE: ORTF, 15295, photo card w/all data, 8 days, no rp. (Lovitz) 11735, full data card in 13 days air, 2 IRCs. (Day) card in 27 days, 1 IRC. (Rockwood)
- GERMANY G.D.R.: Radio Berlin Int. 9730, full data tower card in 28 days air, no IRCs. (Brooker) 9730, full data card in 23 days, no rp. (Rockwood)
- GERMANY G.F.R.: Deutsche Welle, multi colored card in 10 months, no rp. (Earhart) 9765, 20th anniv. rainbow card in 6 weeks. (wootten) full data card and blue pennant, sked. 59 days air, 1 IRC. (Hoppe) card in 169 days, no rp. (Day) card in 1 year, no rp. (Atkins) RIAS, Berlin, 6005, full data card in 9 weeks for 2 IRCs. (wootten) VOA, 21455, 9770, cards in 1 week. (Barto)
- GREECE: EIRT, 15425, card w/full details in 73 days, no rp. (Schwartz)
- GREENLAND: 9575, Radio Greenland, full data studio folder card in 32 days for EE report and 1 IRC. V/S. Berle Kislop, sked. also rcvd. (Mayer)
- GUATEMALA: TGNA, 5955, Quetzal card in 14 months after f/up w/SASE. Also sent sked. and tourist info. (Ball) card and verie letter in 1 year 3 months!! Said report was lost in files. V/S. Wayne Berger. (Brown) 3300, card in 7 weeks, 2 IRCs. (Overcamp)
- La Voz de Nahuala, TGVN, 3360, colorful full data card, 3 months air for mint stamps. (Webb) card in 4 weeks for SS report and 1 IRC. (Barto)
- GUINEA REP: Voix de la Rev. 9650, full data paper QSL and sked. 65 days air for EE report and 2 IRCs. (Snyder)
- HAITI: Radio 4VEH, 11835, full data Vertiers Memorial folder card, ~100 days, no rp. (Brooker) 11835, full data card, letter, and sked. in 8 weeks, 2 IRCs. (wootten) folder card, all data, 1 month for 2 1/2 U.S. stamp. (Rockwood)
- HONDURAS: HRVC, 4820, mountain card w/all details in 108 days air, 2 IRCs. (Ravenhorst) card in 3 months for EE report, 2 IRCs. (Hill) card in 46 days. (Overcamp) card in 16 days, no rp. (Brooker) 44 days air for 3 IRCs. (Parker) 8 weeks, 1 IRC. (Rockwood)
- HUNGARY: Radio Budapest, 9833, full data card in 6 weeks, no return postage. (wootten) 9833, castle card in 3 months, no rp. (Ravenhorst)
- INDIA: All India Radio, Gauhati, 4775, letter, two copies of previous letters registered, 3 weeks air from V/S. H.C. Srivastava, assistant station engineer. (Dexter)
- INDONESIA: Celebes- RRI Manado, 5987, full data letter in 21 days air after f/up. total 2 1/2 months for Indo. report and 3 IRCs. V/S. Rein Wuisang. (Yamron)
- Moluccas- RRI Ambon, 4841, RRI card from V/S. J. Nendissa, Dir. and personal letter in 10 months for tape report, mint stamps and post cards. (Ball)
- Sumatra- RRI Banda Aceh, 3630, card w/date, veri statement, 4 mon. (Henderson)
- IRAN: Voice Of Iran, 9022, full data card of studios in 51 days for registered report w/IRCs and US mint stamps. (Hambright) 9022, card, pennant, and travel info. in 18 weeks air, no rp. (Hoppe) 9022, full data card, pennant, 3 months for 2 IRCs. (Ball) card, pennant in 203 days air, 3 IRCs. (Ravenhorst)
- IRAQ: Radio Baghdad, 9745, map card w/full data, tourist info. sked. in 15 weeks for 2 IRCs. (Ball)
- ISRAEL: IBA, 7395, Knesseth Menorah card w/all data in 2 1/2 months air, 2 IRCs. (wootten) 15100, card in 2 months for 1 IRC. (Atkins) full data card, sked. and report forms. 8 weeks air, no rp. (Hoppe) 9009, card in 76 days, sked. no rp. (Brooker) 9009, card in 40 days air, 2 IRCs. (Day)
- ITALY: RAI, 9710, full data painting card in 6 months, no rp. (wootten) full verie cards. (Earhart)
- JAPAN: NHK, Radio Japan, 9505, full data card in 15 days air, no rp. (Parker) card in 9 days air, no rp. (Day) 15270, Sumo Wrestler card for report form, no rp. (Brooker) NSB, 9595, full data card w/sked. 18 days air, 1 IRC. (Wilson)
- KHMER REP: Radio Nationale Khmère, 4907, prepared card in 283 days total, 36 days after f/up registered w/2 IRCs. Power given as 50 kw. V/S. Im Saroeun, Le Directeur Technique. (Campbell) excellent!.. Ed.

- LIBERIA: VOA, Monrovia, 7195, anniversary card in 1 week, no rp. (Atkins) 15400/9540, cards in 1 week. (Barto)
- LITHUANIAN S.S.R.: Radio Vilnius, 9680, full data card in 123 days for 2 IRCs. (Ravenhorst)
- LUXEMBOURG: Radio Luxembourg, 6090, full data card in 27 days, no IRCs. (Brooker) full data antenna card in 5 months sea after many f/ups within past 3 years! 3 IRCs. (Yamron) full data card, 1 month, 1 IRC. (Dean) card in 5 months, 1 IRC. (Atkins) 15350, antenna card in 5 months, no rp. (Barhart) full data card in 54 days, 2 IRCs. (Lovitz) card in 20 days air, 1 IRC. (Rabona)
- MALAWI: MBC, 3381, EE form letter in 3 weeks air for EE report and 3 IRCs. (Lohe)
- MALAYSIA: Radio Malaysia, Kuala Lumpur, 4845, folder card and Malaysian stamps in 1 month. (Dexter) Radio Malaysia, Penang, 7295, full data folder card in 10 months sea mail for 2 IRCs. (Hambricht)
- MAURATANIA: RD Nat. 4845, full data card in 2 months for FF report, mint stamps. (Lohe)
- MEXICO: Radio Yucatan, XEQM, 6105, card, letter, and record in 1 month air from V/S. Luis de Sales Cob Estrella Jefe de Personal. (Field)
- MONACO: Trans World Radio, full data black/white card of Monte Carlo, 104 days for 2 IRCs. (Day)
- MOROCCO: VOA, Tangier, 11955, card in 12 days. (Atkins)
- MOZAMBIQUE: Radio Clube de Mozambique, 4855, full data card in 8 weeks, 2 IRCs. (Wootten) 11780, full data photo card in 3 weeks for EE report and 2 IRCs. (Clawson)
- NETH. ANTILLES: R. Nederland, Bonaire, 6165, Happy station card w/wrong freq. 28 days, no rp. (Brooker) card in 12 days, no rp. (Brunner) 9715, Amsterdam card in 14 days air for 1 IRC. (Day)
- NEW BRITAIN: Radio Rabaul, 3385, PNG folder card in 5 months for tape report. Tape returned by separate cover. V/S. Paul Cox, Station manager. 5 IRCs sent. (Ball)
- NEW GUINEA: Radio Madang, 3260, PNG folder card, all data, 34 days air for 3 IRCs. V/S. J. Koniel, Station manager. (Snyder)
- NEW ZEALAND: RNZ, 9540, globe card and tourist info in 182 days seamaile, 2 IRCs. (Day)
- NICARAGUA: Radio Mar, 9582, letter in 3 weeks for SS report, V/S. Ricardo Perez Ulloa, Gerente-Proprietario. (Barto)
- NIGERIA: NBC, Emugu, 6025, full data card in 76 days, no rp. (Hambricht)
RTV Kaduna, 9570, full data card in 3½ months, 2 IRCs. (Wootten)
- NORWAY: Radio Norway, 9645/11850/11860/15175, full data color cards in 2 weeks for tape report, no return postage. (Lobdell) 11860, full data color card, 16 days, 1 IRC. (Day)
- PAKISTAN: Radio Pakistan, 11672, full data letter in 29 days air for 2 IRCs and EE report V/S. Mohammad Iqbal Baig. Took 4 f/ups. Gives address as 81-A Satellite town. (Mayer)
- PAPUA: ABC, 3925, full data card after two letters to Australian Embassy in DC. 182 days airmail w/ note that NBC has assumed control, 2 IRCs. (Schwartz)
Radio Milne Bay, 3360, letter in 9 weeks seamaile for tape report and 3 IRCs. (Hagen)
Radio Northern District, 2468, folder card w/date and freq. 5 months sea for 3 IRCs. Said "Deficient postage paid at Boroko, PNG" (Hambricht)
- PERU: Radio Quillabamba, 5025, letter and beautiful pennant in 2½ months for SS report and mint stamps. "Quillabamba" means "great plains of the moon". (Behr)
- PHILIPPINES: FEBA, 17810, photo card of staff in 154 days, no return postage. (Ravenhorst)
Voice Of Philippines, 9580v, card, program sked. and questionnaire that sez pennant will be sent upon receipt of questionnaire. 1½ months seamaile for 1 IRC. (Field)
VOA, 9760/6185/15155, cards in 8 days and 2 weeks. (Barto)
- POLAND: Polskie Radio, 9675, new series map card w/all data in 26 days air for 2 IRCs. Also rcvd. personal letter from V/S. Jan Wierzbinski, Editor-In-Chief. (Snyder)
- PORTUGAL: Radio Trans Europe, 9670, red/white card w/station name on front. 4 months for EE report on RTE broadcast. (Behr)
Voice Of Hope, globe card in 6 weeks, also small blue pennant, 1 IRC. (Behr)
- ROMANIA: Radio Bucharest, 15250, full data card of folk instruments, sked. 2 months for 2 IRCs. (Hill) 11940, full data card, sked. in 45 days, no rp. (Lovitz)
- R.S.F.S.S.R.: Radio Moscow, 11735, card, post cards, and sked. 1 month. (Force) 11985, card in 24 days for 1 IRC. (returned) (Davidson) return postage not needed for R. Moscow. Ed.
- SARAWAK: Radio Malaysia, 4950, full data card for EE report, 3 weeks for 3 IRCs. (Lohe)
- SEYCHELLES: FEBA, 11890, card in 29 days air, 2 IRCs. (Ravenhorst)
- SINGAPORE: Radio Singapore, 7170, Housing development card w/all data in 2 weeks, 2 IRCs. (Atkins) full data card in 24 days for EE report and 1 IRC. Also rcvd. sked. and tourist info. (Mayer) 5052, card in 2 weeks air for 2 IRCs. (Lohe)
- SOUTH AFRICA: RSA, diamonds card w/all data in 13 days, no rp. (Brooker) leopard card in 3 weeks, no rp. (Barhart) 11970, card and lit. 3 months, 1 IRC. (Force)
- SPAIN: RNE, 11925, card and pennant w/all data in 14 days for 1 IRC. (Hamm)
- SRI LANKA: Radio Sri Lanka, 11725, full data card in 1 year after several f/ups. 2 IRCs. (Wootten) VOA, 15230, 7110, 11740, cards in 11 days. (Barto)
- SWEDEN: Radio Sweden, 11805, map card, booklet, sked. 7 days air for 2 IRCs. (Brunner) full data map card in 3 weeks, no rp. (Wootten) 6000, card in 10 days, 2 IRCs. (Hagen)
- SWITZERLAND: SBC, 6120, Church card in 15 days, 1 IRC. (Hamm) 11870, card in 2 weeks, 2 IRCs. (Force) 11715, card in 19 days, 2 IRCs. (Day) Lake card in 19 days air, 2 IRCs. (Day)

SYRIA: Syrian Brod. Svc. 9655, large white card showing small globe, 14 months for 1 IRC. V/S. K. Sha'ar, for Director General. (Campbell) 15165, white globe card w/all data but wrong freq. and time. 1 year 11 months! airmail, no return postage. V/S. Ahmed Halwani. (Earhart)

TAIWAN: VOPC, 9510, full data card in 1 year. (Wootten)

TANZANIA: Radio Tanzania, 15435, yellow/brown card w/date and freq. in 187 days air for 2 IRCs and mint stamps. (Snyder) card in 2 weeks for EE report, 2 IRCs. (Lohe) card in 6 months after f/up. mint stamps. (Hagen) 15435, full data card in 193 days air. (Ravenhorst) card in 233 days after letter to Embassy, 2 IRCs. (Schwartz) card in 14 weeks. (Ball)

THAILAND: Radio Thailand, home svc. 4830, card, letter, sked. and elephant info!? 65 days for 1 IRC. (Campbell)

Bangkok Meteorological R. 7863,

letter w/full data in 3 weeks, 1 IRC. (Barto)

TOGO: E. Togo, 5047, card w/all data after 13 months! 8 mon. after f/up. 2 IRCs. (Ball)

TURKEY: Ankara Police Radio, full data card in 17 days air. (Henderson)

Voice Of Turkey, 11880, card w/all details, 10 weeks, no rp. (Rockwood) card in 1 month, no rp. (Atkins)

TURKS & CAICOS IS: 4788, mimeo verie letter in 27 days for 3 IRCs. V/S. W.G. Grant, Info. Officer. (Schnabel)

UKRANIANIAN S.S.R: R. Moscow via Vinnitsa, card in 40 days. (Hunt)

UNITED ARAB EMIRATES: Voice Of UAE, Abu Dhabi, 9620, airport postcard, letter, 176 days from V/S. Aly Abu-Kardeel, C.E., Radio & TV. (Campbell)

U.S.A: APRTS, 6030, Bethany, full data card in 20 days, no rp. (Dean)

KGEI, 9615, card and cardboard pennant in 5 months, 1 IRC. (Dean) 15175, globe card in 2 months. Won't accept U.S. IRCs. (Atkins)

UN Radio, 17850, blue/white card w/all data, sked. 6 days, no rp. (Brooker)

Voice Of OAS, 15160, emblem card w/all data, 9 days, no rp. (Ravenhorst)

WYFR, 21525, card in 1 month, 1 IRC. (Wootten) card in 11 days, no rp. (Earhart)

UZBEK S.S.R: R. Taskent, 9540, card w/all details in 96 days for 2 IRCs. (Lovitz)

VATICAN: Vatican Radio, 5995/9605/11845, painting cards in 20 days air for tape report. (Lobdell) 5995, Pope card in 39 days air. (Hunt)

VENEZUELA: Ecos del Torbes, 4980, letter and pennant in 52 days air for 1 IRC. (Hoppe) no data letter and pennant for mint stamps. (Wootten)

Radio Angostura, 6120, SS letter and long pennant in 1 month for SS report and mint stamps. (Behr)

Radio Barquisimeto, 4990, network card w/date and freq. in 8 weeks seammil for 1 IRC. (Hoppe) full data card in 9 weeks for 1 IRC. (Wootten) card w/date and freq. in 6 weeks for 1 IRC. (Rockwood)

Radio Carora, 4910, SS verie letter in 1 month for SS report and mint stamps. V/S. Carlos José Gonzalez, Dir, Propietario. (Barto)

Radio Continente, 5030, friendly letter from V/S. Jesus M. Gambus. 3 weeks air for 1 IRC. (Hoppe)

Radio Juventud, 4900, card w/date and freq., and Comunidad Radial sticker. 3 months for mint stamps. (Brown) full data card in 2 months, mint stamps. (Wootten)

Radio Lara, 4800, network card w/date in 6 weeks sea for 1 IRC. (Hoppe) full data card in 4 weeks for mint stamps. (Wootten)

Radio Maracaibo, 4860, SS verie letter from V/S. Katty Gonzalez, 2 weeks for NASWA SS report and 1 IRC. (Atkins)

Radio Mónagas, 3325, SS verie letter and travel info. in 16 days for SS report and 2 IRCs. V/S. Maria T. Barroeta, Sec. (Neumann) 3325, letter and travel info. from above V/S. in 2 months for SS report and mint stamps. (Lohe)

Q.S.L.

4826 KHZ

1.450 KHZ



Radio Mundial, 5050, full data card in 7 weeks for SS report and 2 IRCs. (Wootten)

Radio Rumbos, 4970, full data card in 6 weeks for SS report and mint stamps. (Wootten)

Radio Canaima, 6159, San Felix, PP letter in 4 weeks for SS report and mint stamps. V/S. Judiyh De Ruiz. (Barto)

Radio San Sebastian, 6070 letter in 5 weeks from V/S. Marcos V. Chacin G. Dir. (Barto)

radio maracaibo



PERTENECIENTE AL CIRCUITO NACIONAL RUMBOS

VENEZUELA (con't): Radio Tachira, 4830, letter and photos in 5 weeks after f/up. for SASE not used. V/S. Jesus M. Diaz Gonzalez. (Field) full data letter in 3 months for mint stamps and SS report. (Wootten)

Radio Turismo, 6180, postal card in 6 weeks air after 10th f/up with SASE (not used) (Field)

Radio Universo, 4880, full data card in 5 weeks, mint stamps. (Wootten)

VIET NAM N: Voice Of Vietnam, 10040, paper QSL w/all data in 140 days seamaile for EE report, no return postage. (Paschke) QSL, greeting card, propaganda newspapers. 106 days sea for 1 IRC. (Hoppe) 15012, full data card in 86 days for EE report, no rp. (Hambright) 10040, full data card in 93 days sea, no rp. (Snyder) 15012, full data card after 2 f/ups 7 months, no rp. (Word)

VOV, Tây Bắc Station, paper qsl w/site in 4 months. (Dexter) fine catch!..Ed.

VIET NAM S: VTNV, Radio Viet Nam, 4877, full data card for FF report and 2 IRCs. 6 weeks air. (Lohe) 6165, card and letter from V/S. Nguyen Thein An, Head Of Research, planning, and Training Dept. 159 days air for mint stamps and VV report. (Snyder) 7175, full data globe card in 6 weeks air for EE report and mint stamps. (Yamron)

ZAIRE: Radio Kisangani, 6087, prepared card for 10/70 logging received air in 1 month. V/S. not readable. (Dexter) excellent Gerry!..Ed.

ZAMBIA: Zambia Broadcasting Service. 3346, full data card in 36 days air for EE report and 1 IRC. (Gavaras)

LAST MINUTE NOTES: QSL REPORT will be going on vacation next month will return in Sept.

Many thanks to all those who contributed illustrations for this months issue: John Campbell, Kevin Atkins, and Craig Tyson..... Illustrations still wanted. Make sure illustration is one that is interesting and will be able to reproduce. If original is sent, please include SASE if you want it returned..... Did ja Know the Voice Of Turkey is alot of gobble?... If ya think I'm having trouble trying to fill up the rest of this page, you're right! hi... Some new members have asked where mint stamps may be purchased. Here is the address: G.N. Roberstson, Dx Stamp Svc. 83 Roder Parkway, Ontario, NY. 14519...An article written by NASWA member Don Jensen on Pirate Radio makes interesting reading in this months edition of Elementary Electronics magazine... Hope to see all those attending this years 1st annual NASWA meet in Columbus! See ya there.

Over and Out by rodriguez



UNTIL SEPTEMBER, GOOD DX AND HAVE A GREAT SUMMER!

73's,
Larry
Larry Yamron

North American Short Wave Association

DAN FERGUSON
P. O. BOX 8452
SO. CHARLESTON, WV 25303 USA

HELPING HAND For sale: Collins R-390A/URR Receiver; digital readout, 500 kHz to 32 MHz. Perfect condition & in desk cabinet; improved product detector; includes technical manual; price \$425 - you pay shipping. Also, Radio Shack Realistic speaker \$5 ppd. Hy-Gain SW-9 vertical antenna, never used, \$10 ppd. Heath SB-600 speaker \$12 ppd. Penwood 24 hour digital clock, brand new, \$10 ppd.Write Ed Pyatt, 1715 Singleton Street, Conway, SC 29526. Phone 803-248-2938.

QUESTION (and please do take the time to drop a note to headquarters in response to this!) What type of accessories would you find useful? Examples: many are using outboard audio filters. Is there a need for outboard crystal calibrators? For Q-Multipliers? What else? We know of two or three manufacturers who are interested in knowing what type of accessories DXers are interested in, as they are interested in supplying our needs. So, give it some thought and then drop a note to Dan Ferguson at HDQ.

CONTEST For some time some members have wanted a new, larger club stamp. The last batch of stamps we had made did not turn out too well, and it appears that we are going to have to have some additional work done anyway, in order to get quality stamps again. So, the design is open for reconsideration. Get out your pencil & paper and sketch your ideas for a new design for the NASWA rubber stamp. Send your submission to headquarters so that it will arrive no later than September 1, 1974. Be sure to put your name on the paper! The member whose design is chosen will receive a special prize.

****We have on hand a number of the old design rubber stamps. The quality of these is not perfect, although they are quite useable. They will be available at the Columbus DX meeting, July 19-21, and will cost only \$1 at that time. Just another reason, and another reminder, to be at Columbus!

QUESTION Do you have English fill-in reception report forms? Answer: No, not at this time. Such forms are available from Gilfer Associates, Box 239, Park Ridge, NJ 07656. If members would like such forms to be available through the club, with the club logo, it could be done. The price would be rather high, due to printing and postage costs, but it can be done if there is sufficient demand. If you would like such to be available through the club, write HDQ.

FOREIGN BROADCAST INFORMATION SERVICE FIBS informs that the 26th edition should be available in September of this year. (Whoops! that's FBIS, not FIBS!) Price last time was \$2 for each of part I and Part II. Part I is AM stations by country & city. Part II is AM stations by frequency. The price may have changed for the new edition. We do not know yet. Will be available from the U.S. Government Printing Office. (Thanks Mike Hardester.)

LOCAL GROUPS Richard Fields, 1411 Sandwood Road, Conshohocken, PA 19428, is interested in meeting other DXers in the area. Interested members in the area can write him directly. Richard would also like to get in contact with someone who understands Spanish and owns a Zenith Transoceanic Receiver.

SOUTHERN CALIFORNIA AREA DXERS There will be another SCADS meeting August 17 & 18, at the home of Mr & Mrs Verlin Shinn, 23942 Long Valley Road, Hidden Hills, CA 91302. Time is 9 am both days. Registration fee of \$3 payable in advance or at the door. Fee covers cost of refreshments, prizes, etc. Fee is payable to ASWLC (American Shortwave Listeners Club), and should be sent to ASWLC, 16182 Ballad Lane, Huntington Beach, CA 92649. Please register as soon as possible, so the hosts can get a fairly accurate head count. (53 at the last SCADS meeting.) ALL DXERS ARE INVITED. SCADS is an informal local group in Southern California. For further details, etc, write ASWLC, address above.

BOSTON AREA DXERS (BAD GUYS) Another area where there are numerous local get-togethers. Interested DXers in the area are invited to contact Chris Lobdell, 149 Walnut Street, Reading, Mass. 01867.

HELPING HAND Wanted: Gilfer A-20 preselector in A-1 condition. Will pay top dollar. Contact Chuck Rippel, 1316 Alanton Dr., Virginia Beach, VA 23454

COUNTRY LIST This has been here a month or so, and somehow was mispl aced. Sorry for the delay....It has been called to our (NASWA Country List Committee) attention by Anthony Marks and others that two countries have been inadvertently missed in the NASWA Country List's "Master Country List" (Although they are included in "check list by continent.") You may correct your master list by adding, in the appropriate spot in the list:

(next page please)

British Somaliland (Somali Republic) Hargeisa AF X British Somaliland to
7/1/60, Somali Republic
since.

Ethiopia Addis Ababa AF X -----

Also, we have received word that the Administration Broadcasting Service has activated its new station on New Ireland. The committee previously determined that this would be a new country once the station came on the air. Therefore, the following new country should be added to your list:

New Ireland Kavieng OC X -----

The NASWA Country List Committee
Don Jensen, Chairman

SWCI TROPICAL BANDS SURVEY This excellent survey is again available. This is the 2nd edition, just published. In 35 pages it lists all SWBC stations between 2200 and 5900 KHz, giving much schedule information. Listings are by frequency. It has just been received here, and we have not had time to evaluate the data. But we can say that it is something the serious DXer should not be without. Cost is 8 IRCs for AIRMAIL. Send to DANISH SHORTWAVE CLUBS INTERNATIONAL, DK-8382 HINNEBØJ, DENMARK.

ENGLISH TRANSMISSIONS AUDIBLE IN NORTH AMERICA Elsewhere in this issue is a tabulation of English transmissions which can be heard in North America. We hope members find it useful, and will note corrections/changes to Dan Ferguson.

NEW MEMBER PACKETS Not yet available because of the failure of some working on portions of it to get the work done. They cannot be printed until the material is written and typed.

THE COLUMBUS MEETING We are hopeful that many NASWA members will take advantage of the opportunity to get together with other DXers and listeners during the weekend of July 19-21, 1974. Indications are that the attendance will be well over 50, including some of the top names in DXing... This get-together will, it is hoped, be merely the first of a series of regular informal get-togethers in the area. Also, several would like to see such meetings more than once a year, and plans may well be laid at Columbus for some one day meetings in coming months. For details write Randy Minnehan, 975 Chestershire Road, Columbus, Ohio 43204. Or call him at (614) 279-4342, between 6 pm and midnight EDT. Deadline for registration has been already set at July 6, 1974. So don't delay!

When going to the Columbus meeting, be sure to bring along your receiver, as permission has been obtained for putting up some antennas at the Neil House. If you have some equipment you want to sell or trade, bring it along, too.



RADIO TIFFANY INTERNATIONAL QSL - CARD

Hi J.A. CAMPBELL

Confirming your reception

RADIO TIFFANY'S
SUPPORTERKLUBB
FAK1
100 73 Stockholm 44
SWEDEN

Of April 20th 1974
Time 1039-1100 GMT SMT
Power 15watts FREQ 6237 kHz
ANTENNA Halfwave dipole

compiled by Dan Ferguson
1515 Byng Drive
So. Charleston, WV 25303
U. S. A.

This list of English language transmissions which can be heard in North America was compiled from data in my files, from my own loggings, and from loggings sections of several club bulletins. Some data was taken from schedules supplied by the BBC Monitoring Service, and was used by permission.

Reprinting of this material, in whole or in part, cannot be permitted without specific approval in writing.

In the following, transmissions are listed in alphabetic order by country. At the end of the alphabetic list is a listing by time, giving only the country; the transmission data can then be found under the country listing. It should be noted that the time listing has been broken down only into full hour length segments. Thus, a station shown in the hour beginning at 0200 might not sign on until 0245, or later in the 0200-0300 time period.

All times are GMT. EST = GMT - 5 hours. EDT = GMT - 4 hours. CST = GMT - 6 hours. CDT = GMT - 5 hours. MST = GMT - 7 hours. MDT = GMT - 6 hours. PST = GMT - 8 hours. PDT = GMT - 7 hours.

Frequencies are in KiloHertz.

The International Broadcasting Bands are as follows:

49 meter band	5950 - 6200 KHz
41 meter band	7100 - 7300
31 meter band	9500 - 9775
25 meter band	11700 - 11975
19 meter band	15100 - 15450
16 meter band	17700 - 17900
13 meter band	21450 - 21750
11 meter band	25600 - 26100

NOTE: Many stations broadcast "out of band"; i.e., on frequencies outside of those designated broadcasting bands. Most such out of band broadcasting takes place on frequencies within 50 to 100 KHz of the bands as given here.

The data given here are the latest to hand. Shortwave broadcasting, internationally, is such that stations often make frequency and/or schedule changes with little or no notice. Should you discover errors and/or omissions, or changes, I would appreciate it very much if you would call them to my attention.

Best wishes for happy listening,

AUSTRIA ORF
0130-0200 9770
0330-0400 6155, 9770, 9650

ALBANIA Radio Tirana
0000-0030 7065, 9780 KHz
0130-0200 6200, 7300
0230-0300 6200, 7300
0330-0400 6200, 7300

BANGLADESH Radio Bangladesh
1230-1300 17690

ARGENTINA RAE, Radiodifusora Argentina
al Exterior
0300-0400 9690 KHz
0600-0700 9690, 11710
2300-0000 11710

BELGIUM RTV Belge
2255-2315 6055, 11855
0040-0100 6055, 11855

AUSTRALIA Radio Australia
to North America:
0100-0300 15320, 17795, 21740
1215-1245 9580
1115-1230 11710

BULGARIA Radio Sofia
0000-0100 9700
0400-0430 9700

other broadcasts which can be heard
in North America:
0100-0400 17870
0030-0400 17715
0000-0830 15160
0130-0645 15240

CANADA Radio Canada International
to the United States/Caribbean
0100-0158 6085, 9755, 11945
0400-0558 6135, 9655
1200-1258 5970, 11825, 15315

to Europe:
0630-0657 6125, 9685
2057-2155 11855, 15325, 17820

CBC Northern Service (to N. Canada)
1100-0630 on 5960, 9625, 11720
(two frequencies at a time)

CHINA (People's Republic of)

0000-0100 6810, 8300, 9940, 11945, 15060
 0100-0200 7120(Tirana), 9780(Tirana), 8240,
 9390, 10865, 11375, 11455, 11685,
 11945, 11965, 12055, 15060, 15130,
 15165, 15220
 0200-0300 8240, 9390, 10865, 11455, 11965,
 12055, 15060
 0300-0400 7120(Tirana)9780(Tirana), 8240,
 10865, 11375, 12055, 15060, 15165,
 15385, 17530
 0400-0500 8240, 10865, 12015, 12055, 15060,
 15385, 17530
 1200-1300 4130, 5220, 8260, 11685

CHINA (Taiwan) Broadcasting Corporation of
China (BBC)

0200-0350 7130, 11825, 15125, 15345, 17720,
 17780, 17890. (To the FarEast,
 Australia, New Zealand, No.Am.)

COSTA RICA TIFC, The Lighthouse of the
Caribbean

0300-0430 6175, 9645

CUBA Radio Havana Cuba

0100-0450 11930
 0100-0600 11725
 0330-0600 11760
 0630-0800 9525
 2010-2140 15155
 2050-2150 11970, 17705

CZECHOSLOVAKIA Radio Prague

0030-0100 9540
 0100-0157 5930, 7345, 9540, 9740, 11990
 0300-0357 5930, 7345, 9540, 9740, 11990

ECUADOR HCJB, The Voice of the Andes

to NA: 0030-0100 11915, 9560
 0100-0230 1515, 11915, 9560
 0230-0700 11915, 9560
 1215-1230 11740
 1230-1300 15115, 11740
 1300-1630(Su 1600) 17880, 15115, 11740
 to SA: 0230-0500 9745
 to Pacific: 0500-0700 9745, 6085
 0715-0900 9745, 6085
 0900-1045 9745
 to Europe: 0715-0830 11915, 9760
 0830-1030 11915
 1730-1745 17815, 15315(not Su)
 1900-2045 17815, 15300

EGYPT Radio Cairo

0200-0330 9475 (to NA)
 1730-1845 17655 (to Africa)
 2030-2200 17725 (to Africa)
 1315-1430 17920 (to Asia)
 2145-2300 9805 (to Europe)

FINLAND Finnish Broadcasting Company

1400-1430 15185
 1800-1830 15185
 2300-2330 15185

GERMANY(East) Radio Berlin International

0100-0145 9730
 0230-0315 9730
 0330-0415 9560, 11840, 11970

GERMANY(West) Radio Deutsche Welle,

The Voice of Germany
 0130-0250 6010, 6040, 9545, 9605,
 9765, 9690
 0435-0555 6010, 6085, 6145, 9545,
 9605, 9765

GHANA Radio Ghana

2000-2100 11850

GREAT BRITAIN British Broadcasting Corp.

1030-1615 15070
 1100-1215 11905
 1300-1615 17790
 1430-1615 17840
 1500-1515 15260
 2000-2115 15260, 17740
 2000-2245 15200
 2115-0230 11780
 2115-0330 9580, 11750
 2115-0430 9510
 2200-0430 5975
 2245-0230 15070
 2300-0230 7325
 2300-0030 6175a, 9740s
 (s = relay by CBC's Sackville, NB
 transmitter.)

GUATEMALA TGNA, R. Cultural

0300-0400 3300, 5955

HAITI Radio 4VEH, The Evangelistic
Voice of the West Indies

1100-1215 6120, 9770, 11835
 1215-1400 3340, 6120, 9770, 11835
 Sundays: 1100-1500 on 9770, 11835
 1700-2100 9770, 11835

HONDURAS HRVC, La Voz Evangelica

0300-0430 4820

HUNGARY Radio Budapest

0100-0130 6165, 9833, 11910
 0300-0330 6165, 9833, 11910
 0415-0445 6165, 9833, 11910

INDIA All India Radio

English General Overseas Service
 1000-1100 11725, 11775, 15190, 17775,
 17385, 21555
 1330-1500 11810, 15335
 1745-1945 15080
 1945-2045 11620, 9912
 2045-2230 9912, 11740, 11620
 2245-0115 11710

ISRAEL Israel Broadcasting Authority

0500-0515 7395, 9009, 9785, 9495, 10248,
 11700(alt 11643), 12025, 15100
 (alt 15050), 15490(alt 15545),
 17690. May add 9815
 1130-1200 9009, 9495, 9785, 10248, 12000,
 15100, 15130, 15490(alt 15545),
 17690. Plus alternate 15050.
 2000-2045 7395, 9009, 9495, 9785, 10248,
 11700(alt 11643), 12000, 12025,
 15100(alt 15050), 15490(alt 15545)

ITALY RAI, Rome

0100-0120 9575, 11810

JAPAN NHK, Radio Japan
to NA: 2345-0045 15445, 15270

0100-0300 15235, 17725, 17825, 15445
(Japanese, English and Spanish)

0930-1030 11875, 15235, to Australia/NZ

General Service(English/Japanese)

(only the frequency to NA is given)

0000-0030	15105	1200-1230	9505
0100-0130	15105	1300-1330	9505
0200-0230	15105	1400-1530	9505
0300-0330	15105	1600-1630	9505
0400-0430	15105	1700-1730	9505
0500-0530	15105	1800-1830	9505
0600-0630	15105	1900-1930	15105
0700-0730	9505	2000-2030	15105
0800-0830	9505	2100-2130	15105
0900-0930	9505	2200-2230	15105
1000-1130	9505	2300-0000	15105

KOREA(N) Radio Pyongyang
1000-1100 9455, 12075
1200-1400 9455, 15630

KOREA(S) Radio Korea
0300-0330 11925

KUWAIT Radio Kuwait
0430-0700 15345
1630-1900 9715, 15415

LEBANON Radio Beirut
0230-0300 11965

LIBERIA ELWA
2015-2100 11940
0630-0715 11950

LUXEMBOURG Radio Luxembourg
0000-0200 6090 (English and German)

NETHERLANDS Radio Nederland
2130-2250 9715, 11730

NETHERLANDS ANTILLES Radio Nederland
0200-0320 6165
0500-0620 6170, 9715

NETHERLANDS ANTILLES Trans World Radio
1105-1245 11815
1230-1430 Sunday 15255
0030-0130 11815

NEW ZEALAND Radio New Zealand
2000-0545 15110, 17770
0900-1145 9520, 11705
0600-0845 6080, 11780

NORWAY Radio Norway
English is Sunday only
0000-0030 11860, 15175
0200-0230 9550, 11860
0400-0430 9645, 11850, 11860
1400-1430 17800
1600-1630 15175, 21655

PAKISTAN Radio Pakistan
0230-0245 17830, 21730
1300-1330+ 9690, 11762, 17845

PORTUGAL Radio Portugal
0200-0245 6025, 11935
0300-0345 11840
0345-0430 6025, 11935

RUMANIA Radio Bucharest
0130-0230 11940
0300-0330 11940
0430-0500 11940

SOUTH AFRICA Radio RSA
2230-2320 5980, 6035, 9585, 9695

SPAIN Radio Nacional España
The Spanish National Radio
0100-0145 6065, 11925
0200-0245 6065, 11925
0300-0345 6065, 11925

SWEDEN Radio Sweden
0030-0100 11805
0230-0300 11940, 11955
1400-1430 17710

SWITZERLAND SBC, Swiss Broadcasting Corp.
0145-0215 6120, 9535, 11715, 15305
0430-0500 9725, 11715
1315-1345 15140

TURKEY Radio Ankara
2200-2230 11880

USSR Radio Moscow

Time	Motor Bands
0000-0030	16/19/25/31/41/49
0100-0130	16/25/31/41/49
0130-0200	16/25/31/41/49
0200-0230	16/25/31/41/49
0300-0330	31/41/49
0330-0400	31/41/49
0330-0730	19/25/31/41/49 (WCNA)
0400-0430	31/49
0430-0500	41/49
2300-2330	16/19/25/31/41/49
2330-0000	16/19/25/31/41/49

USSR - ARMENIAN SSR Radio Yerevan
0325-0330 Sa/W/Th/Sa, on _____

USSR - LITHUANIAN SSR Radio Vilnius
2230-2300 Sa/Su on _____
0030-0100 Sa/Mo on _____

USSR - UKRAINIAN SSR Radio Kiev
0030-0100 Sa/Tu/F on _____
0300-0330 Su/Tu/F on _____

USSR - UZBEK SSR Radio Tashkent
1200-1230 6025, 9540, 11925
1400-1430 6025, 9540, 11925

VATICAN CITY Vatican Radio
0100-0115 5995, 9605, 11845

ADDENDA TO THE ALPHABETIC LIST

ETHIOPIA ETLF, Radio Voice of the Gospel
1945-2030 11775 to W.Afr.
0530-0610 11865 to W.Afr.
1315-1330 15245 to S.India
1330-1428 11955 to N.India in English and Telugu

PAKISTAN Radio Pakistan
1100-1115 15110, 17910 (per BBC MS)

VIETNAM(North) Voice of Vietnam
 1000-1030 10040
 1300-1330 10040, 15012
 1800-1830 12025, 15012

Note: Radio Havana Cuba also transmits a program known as the "Voice of Vietnam", received by teletype and read in RHC studios. The program is transmitted as a portion of the English transmissions listed under CUBA.

ENGLISH TRANSMISSIONS AUDIBLE EACH HOUR

In the following list, a station listed at a particular time indicates only that the station carries English at some time in the hour which begins at the time shown. Refer to the alphabetic list for further details.

- 0000 Albania, Australia, Austria, Belgium, Bulgaria, China(P.R.), Ecuador, Great Britain, India, Japan, Luxembourg, Netherlands Antilles, New Zealand, Norway, Sweden, USSR, USSR(Lithuanian SSR), USSR(Ukrainian SSR).
- 0100 Albania, Australia, Austria, Canada, China(P.R.), Cuba, Czechoslovakia, Ecuador, Germany(E), Germany(W), Great Britain, Hungary, India, Italy, Japan, Luxembourg, New Zealand, Netherlands Antilles, Rumania, Spain, Switzerland, USSR, Vatican City.
- 0200 Albania, Australia, Canada, China(P.R.), China(Taiwan), Cuba, Ecuador, Egypt, Germany(E), Germany(W), Great Britain, Japan, Lebanon, Netherlands, Netherlands Antilles, New Zealand, Norway, Pakistan, Portugal, Rumania, Spain, Sweden, Switzerland, USSR.
- 0300 Albania, Argentina, Australia, Austria, Canada, China(P.R.), China(Taiwan), Costa Rica, Cuba, Czechoslovakia, Ecuador, Egypt, Germany(E), Great Britain, Guatemala, Honduras, Hungary, Japan, Korea(South), Netherlands, Netherlands Antilles, New Zealand, Portugal, Rumania, Spain, USSR, USSR(Armenian SSR), USSR(Ukrainian SSR).
- 0400 Australia, Bulgaria, Canada, China(P.R.), Costa Rica, Cuba, Ecuador, Germany(E), Germany(W), Great Britain, Honduras, Hungary, Japan, Kuwait, New Zealand, Norway, Portugal, Rumania, Switzerland, USSR.
- 0500 Canada, Cuba, Ecuador, Ethiopia, Germany(W), Israel, Japan, Kuwait, Netherlands Antilles, New Zealand, USSR.
- 0600 Argentina, Canada, Cuba, Ecuador, Ethiopia, Japan, Kuwait, Liberia, Netherlands Antilles, New Zealand, USSR
- 0700 Cuba, Japan, Liberia, New Zealand, USSR
- 0800 Austria, Cuba, Japan, New Zealand
- 0900 Japan, New Zealand
- 1000 Great Britain, India, Japan, Korea, New Zealand, Vietnam(North)
- 1100 Australia, Canada, Great Britain, Haiti, Israel, Japan, Netherlands Antilles, New Zealand, Pakistan
- 1200 Australia, Austria, Bangladesh, Canada, China(P.R.), Ecuador, Great Britain, Haiti, Japan, Korea(N), Netherlands Antilles, USSR(Uzbek SSR).
- 1300 Canada, Ecuador, Egypt, Ethiopia, Great Britain, Haiti, India, Japan, Korea(N), Netherlands Antilles, Switzerland, Vietnam(North)
- 1400 Canada, Ecuador, Egypt, Ethiopia, Finland, Great Britain, Haiti, India, Japan, Netherlands Antilles, Norway, Sweden, USSR(Uzbek SSR).
- 1500 Canada, Ecuador, Great Britain, Japan.
- 1600 Canada, Ecuador, Great Britain, Japan, Kuwait, Norway.
- 1700 Canada, Egypt, India, Japan, Kuwait
- 1800 Austria, Canada, Egypt, Finland, India, Japan, Kuwait, Vietnam(North).
- 1900 Canada, Ethiopia, India, Japan,
- 2000 Bangladesh, Canada, Cuba, Egypt, Ethiopia, Ghana, Great Britain, India, Israel, Japan, Liberia, Newzealand.
- 2100 Bangladesh, Canada, Cuba, Egypt, Great Britain, India, Japan, Netherlands New Zealand.
- 2200 Belgium, Canada, Egypt, Great Britain, India, Japan, Netherlands, New Zealand, South Africa, Turkey, USSR(Lithuanian SSR).
- 2300 Argentina, Belgium, USSR, Canada, Finland, Great Britain, India, Japan, New Zealand, South Africa, USSR.

LISTENER'S



SURVEY RESULTS SPOTLIGHT, PART IX

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

Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, VA 23225

Deadline: 15th

* NIGERIA Did you know that Nigeria is the world's biggest producer of peanuts? Also did you know that there have been several large oil finds off the Nigerian coast relatively recently? Furthermore, did you realize that Nigeria is one of the biggest African nations and has the largest population in Africa? These, and many more reasons help make Nigeria one of the most important

ant African countries. The official radio voice of the country is that station which we often hear on 15185 and 15120, the Voice of Nigeria which broadcasts from the modern capital city, Lagos. The VON is the International Service of the Nigerian Broadcasting Corp. Although they do not have a North American service, they are heard quite well in ECNA and the Midwest. English is broadcast to Europe and the Med. area, west, east Africa, and the Middle East at 0530-0735 on 15185, 11900, and 7255. If 0530 is too late at night for you, try the EE b/c at 1530-1700 which is directed to west, east, and south central Africa and the ME on 15185, 15120, and 7275 ... or the other English xmsm at 1800-1930 on 15120, 11770, and 7275. French, Arabic, and Hausa - a local language, are also b/c over VON. Each Nigerian state also has a shortwave radio station. By QSL'ing one station in each region will qualify you as a Senior - Nigerian DX'er under the new NASWA Awards Program headed by Dan Henderson. Here are the stations in those regions ... or states:

National Program fm Lagos:	4990 fm	0430-1000; 1500-2305
	7255	0700-1815
	9690	0800-1615
Western State fm Ibadan:	3204	0430-0730
	7285	0700-1630
East Central State fm Enugu:	6025	0500-2305
South Eastern St. fm Calabar	6145	0430-2305
North Central St. fm Kaduna	3396	0430-1630-2305
	6175	0700-1800
North Eastern St fm Maiduguri	6100	0430-2305
North Western St. fm Sokoto:	6195	0430-2305
Midwestern St. fm Benin:	4932	0430-1245; 1350-2305

((the above sked is fairly current.))

Good luck on the awards you all!

* SOMALIA By looking at a world map, we see that Somalia sort of looks like a seahorse which has latched on to a portion of the eastern coast of Africa. Her neighbors are, to the northwest - Afars & Issas; to the west - Ethiopia; and to the southwest - Kenya. To the east is "nuttin" but salt water - the Indian Ocean and the Arabian Sea in the north. Somalia is more or less a limbo country. She fringes both Arab and black Africa. Her people, culture, and languages reflect this also. She might be considered more socialist in nature, especially since the USSR is building a naval base there. But how can you hear this country on shortwave you might ask. Welp, you have two stations to look out for - Radio Hargeisa and Radio Mogadishu. The allusive Radio Hargeisa still awaits its initial logging in many veteran DX'ers log books. I know of no receptions of RH in North America in the past few years. However, NASWA'er Victor Goonetilleke of Sri Lanka rpts his reception of RH in May's LN on 11663 fm 1030-1100 s/off. On the other hand, Radio Mogodishu frequents the channel of 6097 and may be hrd fm around 2230 til sign off at 2350 with chanting. There is some QRM fm Maiduguri, Nigeria, on 6100 at times. Also give RM a whirl at around 0300+ on the same frequency ... 6097.

* GHANA It was pointed out earlier that Nigeria is the world's largest producer of peanuts. Not wanting to be out done - Ghana is one of the leading producers of the other part of the candy bar - the chocolate. For the record books, Ghana, who at one time was known as the Gold Coast, was the first African country to become independent. But now for the log books: Ghana is one of the handful of African countries which has a NA Svc. Tune 11850 fm 2000-2100 to hear it. In addition, EE is b/c to S & Gen Afr fm 1445-1530 on 15285 - to Bob Padula and his Australian neighbors fm 1445-1530 on 21545 - to W. Afr at 1400-2215 - to Europe at 2045-2215 on 9545 - and to E Afr at 14-1430 on 15285; 1445-1530 on 21720; 1645-1730 on 15285; and fm 1815-1900 on 15285. Although NASWA Country Counting rules O.K. Ghana as a

PLEASE TURN TO PAGE LN-4 FOR THE REMAINDER OF THIS ARTICLE

AUSTRALIA Rick Keating, NASWA member in NJ, talked to the secretary at the Australian Broadcasting Commission in New York City. She said that all reception reports are forwarded to Melbourne for verification if sent to the NYC address. All reports on ABC regionals (VLQ9, VW99, et al) would be sent to the proper location if sent. Also pgm sked's may be obtained fm there too. By the way, Rick says that the phone number is 212-757-1177; the address is 1270 Avenue of the Americas, Suite 2708, NY, NY 10020.

AUSTRIA DX pgms are hrd fm ORF on Sundays at 0915-0930 on 6155, 7170, 9770, 15330 and at 2000-2015 on 6155, 9685, 11905, and 15345. (Wootten, MD)

BANGLADESH The GOS in EE is now on 15540, ex-15520 fm 1230-1300. (Richard Ginbey via WRB and DX Notes)

CANADA RCI has been noted in the last few months on unusual and unanc'd freq's such as 15092 til 1700 s/off and 4908 at abt 0600. Reason is unknown. (Scott Reeves, MD)

CANADA ok Scott, check this out - - - According to an informed source, the CBC now has permission to go to up to something like 7 out-of-band freq's. This includes 11990, and did include 15092 (since mysteriously dropped), and "very likely" on 4910 (cf. May LR, for example). This follows considerable successes by the IBA in use of out-of-band freq's (e.g., 12025 9815, 9495, 9009, 7395, 5915). Various informed sources agree other Western broadcasters will likely follow suit in the not-too distant future. (Clandestine Bulletin editor, Larry Magne, PA)

CANARY ISLANDS The New Zealand DX Times says that the RNE Relay at Sta. Cruz is sked'led fm 1955-0400 on 11800 and 15365. Reception rpts should be addresses to Madrid. (Charlie Wootten, MD)

COLOMBIA La Voz de la Silva is not listed in the WRTH, but can be hrd fairly well on 6170 after 0400. The call letters are HJBJ and the station also supposedly operates on AM and FM. (Wootten, MD; Lou Buehler, MO)

CUBA RHC's official sked for EE is:

2010-2140 on 15155
2050-2150 11970, 17705
0100-0450 11930
0100-0600 11725
0330-0600 11760
0630-0800 9525
(Larry Magne, PA)

DENMARK From now until Aug 31, R. Denmark will change b/c time to SA to 2200-2245. The NA svc is at 0000 on 9520 in Danish. A more accurate address for RD is: Danmarks Radio, Kortbølgeafdelningen, DK-1999 Copenhagen, Denmark. (Charlie Wootten, MD)

EGYPT Radio Cairo b/c's to NA @ 0200-0330 on 9475

S. Asia 1315-1430 17920
E,C,S Afr 1730-1845 17655
W Afr 2030-2200 17725
Eur 2145-2300 9805

...all in English
(Jim Hagen, VA)

FRANCE Our CB editor, Larry Magne rpts, "on the other hand, Rob - Harrington, CO, called to indicate the ORTF, widely rept'd in the press and even in professional technical circles to be going off SW altogether or at least in part fm Jan 1, '75, will, in fact, continue as is and no cutbacks are planned. On the other (other?) hand, no EE/NA is forseen."

GERMAN DEM. REPUBLIC Radio Berlin - International b/c's EE to USA & Canada
fm 0100-0145 to ECNA on 9730
0230-0315 ECNA 9730
0330-0415 WCNA 11840, 11970, 9560.....(Louis Buehler, MO)

INDONESIA BBCMS via WRTH says the Voice of Indonesia no longer b/c's to Europe. WRTH-74 sked is in force with these changes: Ance'd 11715 is always hrd on 11790; English begins at 2330 instead of 2300; Indonesian ends at 0230 instead of 0130. (DX'er Charlie Wootten, MD)

ISRAEL Cf. LN-1, June - IBA sked there is stale, the one in "The Last Word" is correct. However, any of the following adjustments may be tested or implemented shortly: 15545 (ex-15490), 15050 (ex-15100), 11643 (ex-11700), and 7440 (ex-7305, 2200-2245 only). The last two of the series of 4x300 KW xmtrs was put into regular service on May 5, bringing the compliment of xmtr's to 4x300, 1x100, 1x50, 1x45, 2x20, 1x7 $\frac{1}{2}$, plus it seems, a PTT USB xmtr borrowed for use after 2000. However, only one of the 300's is slewable in our direction for now, so ERP is not that great. On a different matter, a technician's dispute has caused suspension of the NA Hebrew svc fm 2300-0250 and consideration of an EE NA Svc has similarly been put off indefinitely. Ironically, the cutback in svc came the same day as the last two powerful new xmtr's were put into svcl (IBA Monitor, L. Magne)

KUWAIT Radio Kuwait, Box 397, Kuwait, has new times for its EE b/c: fm 0500-0800 on 15345; fm 1700-1930 (to 2000v) on 9715 and 15415. (Bandscanner Charlie Wootten, MD)

WILL WE SEE YOU AT THE NASWA CONVENTION IN COLUMBUS FROM JULY 19-21??

MALAYSIA To our "Did You Know Dept." comes this: Did you know that 7220 (Kuala Lumpur) has been replaced by 7200 (Penang). Furthermore, did you know that the full mailing address of Radio Malaysia is Head of General Services, Dept. of Broadcasting, Angkasapuri, P.O. Box 1074, Kuala Lumpur, Malaysia. (Finn Krone, Denmark via Charlie Wootten, MD)

NORTH KOREA Cf. June LN-2: A couple of amendments to the N. Korean item: Please delete reference to 9895 being ancd as 9845. Attentive listening results in the ancmnt definitely being 9895; 7407 is ancd as 7405. Also please add the new freq of 9412 for Arabic at 1700-1750. (Bob Hill, CA)

NORTH KOREA Also there is English to the Americas at 1000-1050 on 9895, 12075v, and 9895 which is ex-9455. (Ace DX'er Larry Magne, PA)

PHILIPPINES Erwin Winter, FGR, says that the FEBC has German language broadcasts on 11890 KHz between 1700-1730; but sometimes in 1715-1730. Ancmnts are not made in German, but rather in English and Russian only. (DX'er Charlie Wootten, MD)

SARAWAK The EE Svc fm Radio Malaysia Sarawak is now on 4950 @ 2200-0100; 0800-1600
7160 2230-1345
9605 0230-0730
Finn Krone, Denm via C. Wootten)

UGANDA SPEEDX, via C. Wootten, reports that R. Uganda was hrd on the new freq of 17810 fm 1730-1745.

USA According to Arthur Cushen, KGEI is testing now with 250 KW's. They plan to operate to Latin Amer @ 1700-2130 on 15175
2130-2300 17720
2300-0400 15355
0400-0700 9615
Asia 0700-1430 11705
1430-1700 11820
(yep, you guessed it gang - C. Wootten)

USSR Radio Moscow now has an English language DX pgm called, what else but "DX Club". It may be hrd on Thursdays at 2315 and repeated at 0015 and 0415 on Fridays. The freq's to look for are: 5940, 7150, 7205, 7240, 7355, 7400, and 9765. (Chuck Gooden, MN; and Senor Chas. Wootten, MD)

USSR ... SUMMER SCHEDULE OF THE NORTH AMERICAN SVC FM FAR EAST SITES:

As usual, our resident Soviet DX'pert, Bill Davis, CA, has done a bang up job in putting together the NA sked fm many long, laborious hours of actual on-the-air bandscanning and note taking. An excellent job indeed Bill! First, the sked; then the frequency useage will be listed.

Sked to North America:
2100-2130 Korean
2130-2200 Chinese
2200-2300 Radio Kiev - Ukranian (7 days)
2300-0030 English
0030-0100 Radio Kiev - Ukr'n Tu,W,F,Sun
" " - English Mon, Thur, Sat
0100-0300 English
0300-0330 Radio Kiev - Ukranian Tu, W, F, Sun
" " - English M, Thur, Sat
0300-0330 Radio Yerevan - 20 min's in Armenian f/by
10 min's of EE on 15180, 17720, & 17900 only; on Tu, Th, Sa, & Sun. Other days, these freq's relay the Mayak HS.
0330-0730 English

PLEASE TURN TO PAGE LN-4 FOR THE FREQ LISTING

**END OF U.S. VOICE
ON OKINAWA ASKED**

TOKYO, May 8 (Reuters) — Japan today asked the United States to discontinue operations of the Voice of America in Okinawa as soon as possible, a Foreign Ministry spokesman said.

The request came as the two nations opened negotiations over the Voice's future operations on the island.

When the United States returned Okinawa to Japanese rule in May, 1972, after 28 years of occupation, it was agreed that Voice of America radio transmission operations could continue there for the next five years. The two countries also agreed to hold further talks on the matter in 1974.

In the initial two-day meeting that ended here today, the United States stressed the usefulness of the Voice operations while Japan reiterated an earlier request for suspension as early as possible, even before 1977, the Foreign Ministry spokesman said.

(New York Times via Errol Urbelis, NY)

continuation of the USSR Summer Sked to North America:

Frequency Useage:
 11980 2100-0730
 12050 2200-0730
 15130 0330-0730
 15180 0300-0730
 15210 2200-0730
 15240 0430-0730
 15405 0300-0730
 17720 2300-0400
 17775 2200-0300
 17900 2300-0500

NOTE:
 2100-0300 is announced as to NA.
 0300-0730 is announced as to WCNA.

((another excellent job Bill!))

YEMEN Aden now signs on at 1055 on the new freq of 11770; hrd til 1300.
 (Richard Ginbey, South Africa via WRB via DX NOTES)

THAILAND Cf. LN, May, 1974: The frequency for Or Sor is 6405. (DJ)

TRIVIA: See page 9 of WRTH-74. Continental Electronics advertises a (gasp!) two and a half million watt shortwave transmitter for sale! Who, pray tell, is going to put this on the air?! (SW Watchdog Larry Magne, PA)

TRIVIA PART II - "FM" THE GEE WIZ, WOW DEPT. Tho this is not shortwave in nature as is the material in FRENDX - I thot it was interesting, propagational wise. As I am typing this edition of LN up, I am in Charlottesville, VA, at my parents house and listening to the FM tabletop. I tried to tune in a Richmond FM station, abt 70 miles away on 102 KHz. The only thing I could get was KFWP (tent) on 101 KHz in Oklahoma City. On 103 KHz was KAFG, also in Oklahoma City! That "ain't" bad - 1500 approx, at mid-day, EDT on Fox Mike. 6/15 - DJ

ETC. - - - A tip for those, with cassette recorders (or anything similarly suitable) and without a decent pair of headphones, who have to get by without hi-falutin' equipment: - by Diane Levesque. Having experience w/packratted earphones and headsets, I've found all of them take a noticeable bit of volume fm the listening when connected directly to the set. You can get around such stuff as this run-of-the-mill-junk-for-common-folk and get more volumn by (A) connecting your recorder as if you were going to record via auxilliary (sans mike) (B) reframing from putting a cassette in (C) pushing the metal bar (located at the upper left corner of the cassette compartment) back (D) pressing both the RECORD and PLAY buttons (E) plugging in the earphone as it should be in the recorder - - - and you're all set. Of course, if you've a good headset (and you must be rich, OMI) you needn't go thru the hassle.sneaky Diane, but nifty too! DJ (Diane Levesque, IL via SWC Editor Ed Shaw)

SPOTLIGHT ... GHANA CONTINUED:

countable country; there are three different stations you can log towards your totals. Try the capital city, Accra on 3295, 3366, 4915, 7295; Ejura on 3350, 4980, 9640, 9760, 11850, 15285, 21720; and Tema on 6070, 6130, 9545, 21545. Look for the 60 and 90 meter band freq's during your local time for African reception; either in your local late afternoon or near midnight. They should not be very difficult catches. Most of them are 10 or 20 KW'ers.


And that is about it for another LISTENER'S NOTEBOOK. A hardy work 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. Please, all times in GMT. If you desire the return of your sked, please enclose a SASE and it will be returned to you promptly. See ya next month!

73 and Happy Listening!


Alan


- 4800 VENEZ. R.Lara 0009 SS, LA mx, ads, ID (Miller)
 4805 BRAZIL R.Por um Mundo Melhor 0015-45 PP, 5/28, 6/2 w/US pops (Tuchscherer)
 4810t ECUADOR R.Coror 0425 LA mx, SS tx (Wallace)
 4810 VENEZ. R.Popular 0320-0358* SS, LA mx (Earhart)
 4815 PERU R.Samerin s/off w/ID and NA 0603 after ext. sked 5/12 (Padula)
 4815 UPPER VOLTA 0615 w/lcl mx (Mayer)
 4819 ECUADOR R.Paz y Bien *0930 fqy, TC, orch mx 5/27 (Padula)
 4820 HOND.REP. HRVC 0329-0435* EE rel pga (Jones, Seigle, Robins, Miller)
 4825 TANZANIA RT 0315-55 Swah. m&w tx (Reeves)
 4825 ECUADOR R.Luz y Vida 0315-1050 Andean mx, SS tx, YL ann'r (Reeves, Jones, Weaver, Hardester, Earhart, Padula)
 4832 COSTA RICA R.Capital 0100-0405 SS, LA mx (Brunner, Miller, Hardester)
 4840 VENEZ. R.Valera 0355 SS closing anns. 6/8 (Miller)
 4845 INDON. RRI-Ambon ex 4840 0800 w/Indo pops 5/26 (Padula)
 4850 DOM.REP. R.Clarin noted AN SS, LA mx, m&w ann'rs // 9505, 5030, on 5/17 w/elec. returns (Padula, Hardester, Zilmer, Earhart, Hauser)
 4855 COLOM. R.Nieva 0837-0905 SS, OM ann'r wiped out by Maracaibo s/on 0905 (Hardester)
 4860 VENEZ. R.Maracaibo *0905 w/NA, ID, OM ann'r into nx (Hardester)
 4875 BOLIVIA Cruz del Sur 0115-0234 SS, YL ann'r, class. mx, radio play 0230 (Cress, Bowlsby) It took me a while to Hadley.-ed.
 4875 S.AFRICA SABC 0320-0430 EE, 0430 Lowi, usual pgas (K6lb, Earhart, G.Miller, A.Miller)
 4880 VENEZ. R.Universo 0200-0300, 0930-1040 SS, LA mx, ID, ads (Burlaw, Hardester, Jones, Miller)
 4880 DOM.REP. R.Comm. 0435 SS tx, LA mx, ID (Wallace)
 4885 UNID Brazilian 0130, 0540 soccer game at 0130, mx pga 0540, ID as "Radiodifusora _____" 0548* no NA (Field, Mayer)
 4890 PAP/N.G. Port Moresby 0800-1130 EE, TC, ID, mx, nx (Siegle, Earhart Kolb, Miller)
 4890 MOZAMBIQUE R.Biera 2235 (2) OM tx in PP (Keating)
 4890t PERU R.San Juan to 0414 w/ Andean mx 6/1 (Mayer)

By the time you read this there won't be much time left to register for Columbus, so do it now, hope to see you there....E.R. Straus



CHRIST
OFFRE LA
REDEMPTION
DIVINE À L
AFRIQUE
CENTRALE





CONFIRMS SWL REPORT OF: JA CAMPBELL
 DATE MAY 1, 1974 TRANSMITTING ON
 TIME 14.26 - 14.32 GMT 3985 KHz 75 meter Band
 KHz 49.02 4920 KHz 60 meter Band
 CALL LETTERS 9KZ2L 1400 KHz Medium Wave
 93.5 MHz F. M.
 REMARKS REPORT VERY GOOD TXN FOR PIC CARD
 TNX-73

- 4900t BURUNDI R Cordac *0327-0500 guitar IS, Af mx, no ID, PF; tentatively dual 3973 P; not heard recently (Reeves)
- 4900 VENEZUELA R Juventud 0327-0330 SS, rockenroll, no chance for Cordac 6-19 (Heutte)
- 4904t CHAD Ft Lamy 0450-0530 highlife mx, M ancr in FF, FG (Earhart, Reeves) 2300 mx in FF on a weekday (Keating) 2330+ on 5-20 (Af Lib Day?), late, G (Reeves)
- 4905 COLOMBIA Em Atlantico 0255 SS, LA mx, list here but closer to 4907+? (Jones)
- 4910 GUINEA Conakry 2300 FF, QRM Ghana (Keating)
- 4911 ECUADOR Em Gran Colombia 0230-0555v* again active, as every summer; after R Carora s/off 0200; LA, Andean mx, SS amnts, easy IDs, ads, G (Field, Heutte, Reeves)
- 4915 PR CHINA Unid 1135, M&W in CC, ID 1159, four pips (three low, one high), then a couple of bars of EIR, another ID, 5-21 (Hill) Was 4925 on at the same time? FH
- 4915 COLOMBIA R Guatapuri 0425 ID, SS, mx, G (Schwartz)
- 4920 HONDURAS R Progreso 0212 SS, US mx, ads, ID, G (Jones)
- 4923 ECUADOR R Quito 0415-0445 SS, ID by M, slow orchestral mx, ads, FG (Earhart)
- 4925 BRAZIL R Industrial 2320-2347 PP mx, PP M, ID, chimes, often heard, F (Reeves)
- 4925 CHINA Harbin 1105-1325+ CC, ex-4914, het unid 4924, FG (Bowlby)
- 4930 ARMENIAN SSR Yerevan 2320-0002*, also 0105-0330 piano, classical mx (Reeves)
- 4930 DOMINICAN REP R Mil 0556*, complete ID (Field) SS amnts, mx, ID 0935-1000 (Earhart)
- 4932 NIGERIA NBC-Benin City 2220 M in vernacs, PVP (Keating)
- 4934 BRAZIL R Poti de Natal 2336-0030 PP M, many IDs, intermittent ute, G (Reeves)
- 4940 IVORY COAST Abidjan 2335 FF ID, F (Schwartz)
- 4940 VENEZUELA R Yaracuy 1023 SS rapid-fire talks, LA mx, ID, F (Miller)
- 4955 COLOMBIA R Nacional 0400-0414* band mx, ID, NA, off (Earhart) 0955-1010 SS M&W ancrs, many IDs, G (Hardester)
- 4970 VENEZUELA R Rumbos 0925-0935 SS, ballads, IDs, VG (Earhart)
- 4980 VENEZUELA Ecos del Torbes *0955 NA, ID, mx, nx, G (Earhart)
- 4985 ANGOLA R Ecclesia 2230-2335+ PP talks, pop mx, 9:35 a.m. local time! (Padula-Oc)
- 4990 VENEZUELA R Barquisimeto 1015-1045 SS, M ancr with TCs, vocal mx, G (Hardester)
- 4994 BRAZIL R Brasil Central 2330-0130 PP, amnts, pop mx, VG (Earhart, Robins, Tuchscherer) 0827 PP, LA mx, G (Kolb)
- 4995 PERU R Andina 0430 mx pgm, frequent IDs (Field)
- 5007 BOLIVIA R Universo 0000-0300 ex-5018 5021 4548 SS, mx, flutes, amnts, not recently (Heutte, Reeves) t R Jaen, Peru 0311 M ancr, tent ID 0328, mx, abrupt 0400*
- 5010 CAMEROUN R Garoua 2253-2258* late on 5-20, Koran, NA, drums (Reeves) (Bowlby)
- 5015 ANGOLA R Clube de Mocamedes 2240-2300* Af tunes, PP amnts (Padula-Oc)
- 5015 BRAZIL Rdf do Poços de Caldas 0100 PP amnts by M, mx, VP (Heutte)
- 5018 ECUADOR R Centinela del Sur 0000-0320 SS, mx, nx, to 0418v*, GE (Bowlby, Heutte)
- 5025 BRAZIL Voz de Sao Francisco 0100 PP ID, talks, rock mx, P (Mayer) t Unid 0930 mx pgm, weak, only stn between 5000 and 5100 on 5-21 (Field)
- 5025 PERU R Quillabamba 0245 SS mx, ID 0259*, G (Bowlby)
- 5030t DOMINICAN REP LV del Papagayo 0600-0630 relaying election returns 5-17 from Junta Central Electoral, weak, dual 4850 9505 only (Hauser) 0545 fade-in to 0900+ when blocked by R Contiente s/on, first heard 5-23 (Padula-Oc) Inactive a couple years.
- 5030 VENEZUELA R Contiente 0900-0910 s/on, ID by M, pop mx, FG (Earhart)
- 5033 CENTRAL AFRICAN REP Bangui 0500 and 2200 FF, vernacs, mx, reactivated; for last several years seems active mainly in June through September (Reeves)
- 5036t COLOMBIA LV de Caqueta 0240-0300 LA mx, CARACOL IDs, G, QRN (Burlw)
- 5037 COLOMBIA Brisas del Citara 0230-0410 strong, IDs, up from 5030-33v (Reeves)
- 5032 ANGOLA R Clube da Cabinda 2240 fade-in to 2300*, AP (Padula) Like 6000 last month!
- 5040t PERU R Libertad de Junin 0620-0650 SS, Andean mx, bad QRN, F (Earhart)
- 5047 TOGO Lome 0600-0625 FF, Af mx, chants, F (Atkins) 0535-0610 M ancr, F (Hardester)
- 5055 BRAZIL R Vitoria 2230-0930 PP amnts, mx, some het from Bolivia(?) (Heutte)
- 5059v ECUADOR R Progreso 0330-0437v* Andean mx, ancd 5070 kHz, no NA (Bowlby, Reeves)
- 5060 ANGOLA R Clube do Huambo 2250-2300 sports broadcast in PP (Padula-Oc)
- 5075 COLOMBIA R Sutatenza 0020 reactivated on 6-2 after several months absence (Reeves)
- 5095 COLOMBIA R Sutatenza 0400* SS, ID, F (Seigle) 0910-0925 mx, SS ID, talk (Earhart)
- 5145t PR CHINA RP 1313 RR, jammed, FP (Bowlby)
- 5165t PR CHINA RP 1310 CC HS //5230, VG (Bowlby)
- 5220 PR CHINA RP 1207 M&W in Asian lingo, Internationale 1224 (Hill)
- 5230t PR CHINA RP 1305 CC HS //5165, VG (Bowlby)
- 5747t USA VOA 0540-0550 AM feeder, European langs, did not announce as feeder (Earhart) There's one like this on AM on 6255 also...playing games with o.o.b.? FH
- 5816 PERU LV del Altiplano 0000-0230 twice only, VP, SS amnts, piano mx, usually buried in RTTY; listed on 5960; here per Tony Jones (Heutte)
- 5851v SUMATRA RRI-Pakanbaru 1045-1130 often good, Moslem mx, II talks (Reeves) t 0000 Super weak on long-path, mx, maybe II amnts, just detectable (Heutte)
- 5874v HONDURAS LV de Honduras 0350-0405 singing ID, mx, G (Robins, Weaver) 1141 SS, "free-for-all" conversation with several men and women, FG (Miller)
- 5965 BRAZIL R Guaba 2340-2350 PP talk, two IDs, F (Burlw)
- 5965 Unid 0205-0231* ME mx, talk in AA, possible ID at s/off; Saudi Arabia? (Burlw)
- 5970 CANADA RCI 1200-1210 EE mx by M, VG (Seigle)
- 5970 PERU R El Sol 1000-1200 SS, long talks by M&W, mx, FG (Miller, Zilmer)
- 5980 EL SALVADOR 1150-1210 SS, M ancr, vocal mx, ID on hour, long speech, F (Hardester)
- 5980 SOUTH AFRICA R RSA 0330-0340 EE, Good Morning Africa, mx, FG (Meehan, Zilmer)
- 5980 SWITZERLAND SBC 0250-0315 GG, ID, nx, VG (Schwartz)

- 5990 ROMANIA R Bucharest *0130-0145 EE nx, commentary, F (Atkins)
 5995 AUSTRALIA RA 1010-1215v* EE, nx, cmtry, mx, FG (Atkins, Keating, Seigle)
 5995 MALI R Bamako 2345-2357 FF ID, vernacs, Af mx, drums, F (Schwartz)
 5995 VATICAN CITY VR 0115* EE pgm, VG (Robins)
 6000 BRAZIL R Inconfidencia 2350-0000 mx, PP ID, E (Burlew)
 6000 SWEDEN RS 0000 IDs in EE GG SS, then nx in SS, G (Schwartz)
 6005 ASCENSION ISLAND BBC *0359 EE to Africa, FG (Meehan) (Burlew)
 6005 CANADA CFCX 1121 FP (Miller) 1445 F (Wallace) 1700 Expos (Brunner) 2130-2150 P
 6005 ENGLAND BBC 2200 EE ID, nx, F, improving (Burlew)
 6006 COSTA RICA R Reloj 0615 SS mx, amnts (Atkins)
 6015 COLOMBIA R Mira 0430-0459* many IDs, freq. amnt, chimes, NA, E (Reeves) 1100-1130
 ID, talks, mx, FG (Jones, Zilmer)
 6019 VENEZUELA R Anzoategui *1000-1100 SS talks, mx (Reeves)
 6020 NETHERLANDS ANTILLES RNB 0104 SS talk, definite ID, F (Meehan)
 6025 NIGERIA NBC-Enugu 0425 drum IS, *0430 EE nx, past 0500, FP (Atkins)
 6025 PORTUGAL RP 0200 EE talk on junta, VG (Atkins) 0345 EE to NA, G (Robins) 0405 EE
 nx and "Songs for Today", G (Meehan)
 6025 Unid 0440 bell IS, *0445, NBC-Enugu QRM, FP (Atkins)
 6035 SOUTH AFRICA R RSA 2302 EE talk about local problems, F (Miller)
 6040 GERMAN FEDERAL REP DW 0130-0250* EE to NA, local noon in VK-land! (Padula-Oc)
 6050 ECUADOR HCJB 0617 EE World Radio Outreach pgm, VG (Atkins)
 6050 ENGLAND BBC 0415 EE nx in European svc (Tuchscherer)
 6055 BELGIUM RTB 0040-0100* Belgium Speaking in EE, press review (Miller, Zilmer)
 6060 ARGENTINA R Nacional 1030 SS, local to classical mx, VG (Zilmer)
 6065 COLOMBIA R Super 0750 SS amnts, LA mx, IDs by M (Buxton) Has been inactive. FH
 6065 SPAIN RNE 0115-0130 EE to NA, mx, talks, G (Brunner)
 6070 CANADA CFRX 0507 EE nx, ID, PSA, G (Meehan)
 6070 INDONESIA RRI-Jayapura 1116 II talk, mx, G (Snyder)
 6075 COLOMBIA R Sutatenza 1120 SS morning pgm, LA mx, talk (Miller)
 6080 NEW ZEALAND RNZ 0730-0830 pop mx, IS at 0800, nx, cmtry (Buxton, Jones, Meehan)
 6080 SPAIN RNE *0200 EE to NA, VG, new frequency (Schwartz)
 6085 CANADA RCI 0100 EE nx, E (Seigle)
 6085 ECUADOR HCJB 0600-0615 EE, "On the Move", "Born to Fly", added freq., VG (Earhart)
 0515 EE pgm on philately (Snyder) That's stamp collecting, for the non-philatelists.
 6090 LUXEMBURG RLI 0000-0130 EE nx, wx, mx, F (Burlew, Schwartz)
 6095 BRAZIL R Tupi-Sao Paulo 0240 PP talks, carnival mx, G (Snyder) 0854 PP mx, talks,
 ads, wiped out at 0858 by AFRTS s/on (Jones)
 6105 MEXICO R Yucatan 1145 SS, LA songs, ads, nx at 1200 (Miller)
 6115 COLOMBIA LV del Llano 1015-1110 SS, LA mx, ads, FG (Miller, Zilmer)
 6115 CONGO RTVC 2210-2230 FF, Af mx, TC, talk by M, ID (Tuchscherer)
 6115 PERU R Union 0552-0600* mx, brief amnts, terrific level (Weaver)
 6120 VENEZUELA R Angostura 0910-0920 SS, LA mx, commercials, ID, G (Jones) Reeves)
 6125 COLOMBIA R Continental 0400-0830 TODELAR pgm, mx, ads, IDs, GE (Buxton, Earhart,
 6135 BRAZIL RTV Gaucha 0805-0825 PP talks, mx, ads, ID, FG (Jones, Zilmer)
 6135 CANADA RCI 0505 EE, mx, G (Creamer)
 6140 ENGLAND BBC 0359 EE WS to Europe, IS, poor (Snyder)
 6150 COLOMBIA LV del Huila 0747 SS, many IDs, chimes, Super network (Snyder)
 6155 BRAZIL R Cultura da Bahia 0945 PP talk, mx, G (Zilmer)
 6155 JAPAN FEN 0805-0815 EE nx, Tokyo wx, light mx, IDs, weak but clear (Buxton)
 6155 SWAZILAND SMR 0444 EE DJ pop show, mx, FP (Snyder)
 6160 COLOMBIA Em Nueva Granada 0845-0900 LA pop mx, ID, het at 0900, F (Earhart)
 6160 VENEZUELA R Canaima 0915-0935 SS ads, IDs, amnts, mx, GE (Tuchscherer, Zilmer)
 6165 NETHERLANDS ANTILLES RNB 0200-0450 EE, SS, classical mx, nx, DX Jukebox, etc.,
 VGE (Brunner, Creamer, Seigle)
 6170 VENEZUELA R Nacional 0000 nx in SS, hets, F (Heutte)
 6170 COLOMBIA LV de la Selva 1105 SS, mx, hard copy (Snyder)
 6175 CYPRUS BBC 0205-0230 BBC WS EE nx, story, nothing on 6180; F (Hardester)
 6185 MEXICO XEDPM (Direccion General de Perfeccionamiento del Magisterio) is the new
 name for XEICM here; sked is 2300-0300; new address is: Presidente Mazaryk 526,
 Mexico, DF; has been inactive about a year (Hauser) But heard by Ernie Behr, cf
 Flash Sheet last month. FH
 6195 CHILE R Nacional de Chile 1030 LV de Chile EE pgm, nx, cmtry (Zilmer)

Which wraps it up here for another month. Perhaps two comments are in order. First, your editor should be a little more careful in the future about misplacing parts of the column! Last month's third page got lost somewhere (Dan F suggests I left it in the Xerox machine) and coupled to woes in previous months does not do well for my record as an editor this year. Secondly, I would like to ask reporters please not to repeat reports month after month. Unless there is a significant change in reception, you don't have to report the same item again. It is wasted time on your part and leads to much frustration on mine. I'm not being nit-picky, just asking for a little sanity. Thanks...Unfortunately I had to pass up the NNRC picnic this year, and my work schedule makes it 95% certain I can't go to Columbus--but I urge everyone else to attend the NASWA fling there if possible. Lotsa DX, cool breezes, 73-Fred Heutte Jr WA3QIA/WDX3FH 1600 Newton St NE Wash DC 20018.

- 6223 UNID. 1815 subcontinental and lite mx, modulation off 1823, all sans anmt.
Could this be Rawalpindi? UTE QRM (Robins)
- 6240 CLANDESTINE R. Liberacacao; 0730-0830; 2055-2300* Vern talks on "La Republica Guine-Bissau" and Portugal (Reeves)
- 6245 UNID. Loud A2 signal sending "U's" on CW, perhaps a station in the background; have heard a broadcaster here before but unlisted anywhere; otherwise why would a jammer be here? Incidentally those "U's" (Morse) would make the old man turn over in his grave! (Heutte) Time?-MRL
- 6250 EQ GUINEA R. Santa Isabel; 0520 SS, vocal mx w/UTE QRM (Snyder); Noted daily 2050-2230*v SS OM s/off w/instrumental NA, rare anmt. (Reeves)
- 6815t N. VIETNAM; VV 1340, gone 1415 check. Viet Bac QSY from 6793? (Hill)
- 6895 UNID. 2230 singing and talks, bad CW QRM (Heutte)
- 7060nf ALBANIA R. Tirana; 0025* EE, ID, mx (Schwartz)
- 7099t CLANDESTINE R. Khorush; 0224 Mid-East type mx, nothing before that. OM in unid Afr lang 0236. Poor w/CW QRM 5/2 (Dexter)
- 7099 CLANDESTINE R. Sorush (Per CB); 0235-0300 non-stop OM in Mid-East lang. Probably the listed Farsi. Good with hets (Reeves)
- 7100 MONACO TWR; 0640-0700 EE rel px (Atkins) / (Heutte)
- 7100 USSR R. Moscow; 2315 HS w/mx, 30 second break in xmsn, back w/more mx
- 7102t N. VIETNAM VoV; 1104-1110 OM&YL in talks VV?, no mx (Earhart)
- 7105 THAILAND Thai TV; 1100 Thai, oriental mx severe ARO QRM (Atkins); Tentative 1112-1123 w/mx and talks by OM&YL (Earhart)
- 7107 MONACO TWR; *0630-0745 EE rel px (Hagen)
- 7110 UNID. 1314-1335 JJ play w/one OM, two YL, singing comm'l for "Chiffon" RTTY QRM (Hardester)
- 7110t MALI R. Mali; 0715-0800 with Afr mx. Noted some days (Hagen)
- 7125 RSFSR R. Moscow; 0955 CC px, IS 1000 (Snyder)
- 7135 RSFSR; Unid station w/RR drama, classical mx. Definitely using USB (Snyder)
- 7140 CYPRUS BBC Limassol relay; 0715 EE, features (Atkins)
- 7155 JORDAN R. Amman; 0415 AA talks, local mx (Wallace)
- 7160 USSR Petropavlovsk, Kamchatka; Now signing on 30 minutes early w/Mayak HS px before starting the "Kamchatka Radio" px at 1700-2030*. Signal usually good at 1630 s/on, fades to poor by 1830-1900 (B. Davis)
- 7165 ETHIOPIA ETLF; 0350 Swahili talks, ID into EE at 0400 (Wallace)
- 7170 GREECE VoA Kavalas; 2340 EE play, full EE ID at 0000* (Wallace, Robins)
- 7170 NEW CALEDONIA R. Noumea; 0730; 1022-1103* FF talks, musc mx, frequent mention of Noumea, French NA at s/off (Robins, Earhart); Tentative 1105 FF talks, US show mx 1132 t/o, no ID's (A. Miller)
- 7170 SOUTH AFRICA SABC; 1435 sporting match in Afrikaans, fair signal but under carrier of station which s/on 1445. Seemed to be describing same event as being heard in EE on 7285 same time (Hill)
- 7185 SOUTH AFRICA Springbok Radio; *0420-0800 t/o EE/Afrikaans, ads, pop mx, (Hagen); 1340 EE, pop mx, anmts, chimes 1345, more mx, ID 1400, comm'l for Benson & Hedges (Hill)
- 7190 ENGLAND VoA Wofferton; 0200 EE anmt into Ukrainian px (Wallace)
- 7190 YEMEN (PDR) DYBS; 0315 AA chants under VoA (Heutte); Tentative 0320 AA talk local mx, low modulation (Wallace)
- 7190 CHINA R. Peking; 1340 sporting event in excited CC, crowd noises. Powerful signal //9020. Never heard this kind of px on RP before (Hill)
- 7195 LIBERIA VoA Monrovia; 0335-0410 EE "African Safari" px (Fino, Atkins)
- 7205 ZAIRE R. Lubumbashi; 0430-0515 FF/Swahili talks, mx (Mayer, Atkins)
- 7210 W. GERMANY DW; EE Asian svc, EE ID 0200 into GG px //7265 (Mayer)
- 7225 RWANDA DW Kigali; 0420 talk in lang, Afr mx, EE ID 0430 (Wallace)
- 7235t AUSTRALIA ABC; 1140-1156 Discussion in Indonesian. No ID but agrees with WRTH (Earhart)
- 7245 ANGOLA Em Official; *0500-0730 t/o PP, pop mx, ID (Hagen, Earhart)
- 7245 UNID. 0620 FF talks, pop mx. Algeria listed FF 0600-0900 this freq (Bowlisby)
- 7260rf E. GERMANY RBI; 0315-0335 GG ID, nx, TC, pop mx. Reactivated freq. Also 0100-0115; 0130-0200 (Schwartz)
- 7275 NI GERIA VoN; *0545 Bell IS, drums w/EE ID at 0555 & 0600 into EE nx, and mx px //15185 (Weaver, Snyder, Cress, Bowlisby)
- 7275 ITALY RAI; 0430-0440* II/EE into Lithuanian px 0445 (Atkins, Bowlisby)
- 7275 W. GERMANY DW; *0440 into Turkish px. QRM RAI (Atkins, Bowlisby)
- 7825nf SOUTH AFRICA SABC; *0520-0745 t/o EE, nx, talks, pop mx (Hagen)
- 7285 UNID. Possibly So Afr. Daily about 1330 past 1515 w/pop mx, EE anmts, QRM till 1415 from another station which s/off then. Sporting event on May 25

- seemed to be same as being described in Afrikaans on 7170. No ID due to ARO QRM, Gwelo, Rhodesia listed here inactive (Hill)
- 7285 ENGLAND RCI Daventry relay; 0330-0358 RR, nx, mx EE ID bird chirp QRM from RAI (Fino) Tis England, not Canada, Henry. MRL
- 7295t ZAIRE R. Mbuji-Mayi; 0500-0518 Afr type vocal mx on suddenly followed by OM in FF. Poor to fair level 5/18 (Dexter)
- 7305 USSR; 0150-0200 nonstop instrm mx, 0200 Mayak IS, px ID by YL in RR (Burlew)
- 7310 USSR (Unknown far eastern site); 1330t/i-1930t/o. All RR Mayak px. Heard almost daily (B. Davis)
- 7384 CLANDESTINE. V. of Peaceful Laos; 1320 Indonesian vocals, pretty good signal and sounds like Mother of Vietnam. No anmt 1330 (Hill)
- 7395 ISRAEL IBA; 0245-0255 Hebrew, ID, heavy jamming (Schwartz)
- 7405 CHINA R. Peking; 1000 EE nx, cmntry, mx (Zilmer)
- 7415 CLANDESTINE Liberation Radio; 2320 FF, wake-up exercises w/piano mx, ID 2329, short break, ID by OM then nx. (Heutte)
- 7504 CHINA R. Peking; 1050 CC vocals (Bowsby)
- 7510t N. VIETNAM VoV; 1053 VV? vocals by YL (Bowsby)
- 7516 UNID. Open carrier 1055 t/i, 1059 pips, 1100 talk by YL in SEA lang (Burlew)
- 7670 BULGARIA R. Sofia; 0535 ID in lang, martial mx; again around 2230 (Heutte)
- 7690 CLANDESTINE R. Espana Independiente; 2150 SS talks by OM. Poor under jamming (Heutte)
- 7780 CHINA R. Peking; 1400 Asian lang, rev mx, s/off w/Internationale (G. Miller)
- 7863 THAILAND Bangkok Meteorological Radio; 0000 with ancr, lcl mx, FP via long path. I like this one! (Heutte); 1103 YL in lang w/wx bulletins (Bowsby)
- 8007 CHINA R. Peking; 1330-1415 "East is Red" into CC px (H II)
- 9370 N. KOREA R. Pyongyang; *1400 w/anthem into RR nx, Korean mx (G. Miller)
- 9375 USSR Khabarovsk; *2230-0900* RR Mayak HS px. Poor to about 0600, then fair to good till s/off (B. Davis)
- 9412nf N. KOREA R. Pyongyang; 1712 Korean, usual anthem 1757. No //s noted (Hill)
- 9450 AUSTRALIA; 1010 SSB feeder, Melbourne to Darwin of R. Australia, w/nx mentioning special election return coverage for Australians overseas at 0910, 1210, 1225 and 1410. Noted 5/27 (Hauser)
- 9480nf CANADA RCI; 0604 EE, nx and sports. New off-band freq (Snyder)
- 9505 DOMINICAN REP RTVD; 0604 probably originator of election coverage 5/17 known as La Voz de la Junta Central Electoral; after 0604 was figures, mostly mx; 0623 ID break, time as 2:23; stayed with it to 0641 looking for MW and SW parallels, but found only 4850 and 5030 (Hauser); 0315 SS talks (Fino, Meehan)
- 9505 JAPAN NHK; 1159; 1400; 1805 EE, nx, talks (A. Miller, G. Miller, Robins)
- 9505 PERU R. America; 1000 SS, lcl mx, ID at 1020 (Zilmer)
- 9505 SUDAN R. Omdurman; 1946-2023 AA talks, chants, string mx (Earhart)
- 9505 CZECHOSLOVAKIA R. Prague; 0725-0738 FF ID, band mx into px in lang (Earhart)
- 9510t ALGERIA R. Algeria; 0745-0830 AA type mx (not chants), vocals w/string accompaniment. Another possibility is Ashkabad (Earhart)
- 9515 TURKEY R. Ankara; 0247 carrier on; 0250 IS; 0255 mixed chorus singing anthem into TT ID w. freqs mentioned, talks by OM & YL. Good many nights (Leonhardt, Tuchscherer)
- 9520 FRANCE ORTF; 1953 FF, variety show, songs and talks //9560 (A. Miller)
- 9520 NEW ZEALAND NZBC; 1130-1142* EE, nx, cmntry, mx, freqs (A. Miller, Zilmer)
- 9520 PAPUA NEW GUINEA VTL9; 0539-0605 EE, mx show, US and lcl tunes (Meehan)
- 9520 USA KGEI; 0835 EE rel px into RR at 0900 (Earhart, Kolb); 1217 JJ rel px (A. Miller); 1345 EE rel px (Bettenhausen); 1650-1700* CC px followed by EE ID (Meehan); 2030 EE anmts of test of new 250 kw tx (Morian)
- 9525 SOUTH AFRICA Radio RSA; 1944 PP ID and pop mx (A. Miller); 2100-2150 EE nx, "mailbag" px (Robins, Zilmer, G. Miller)
- 9525 INDIA AIR; 1500 EE, US and lcl mx, Asian nx (G. Miller)
- 9535 ANGOLA Em Oficial; Again noted 0535-0545 w/Afr mx, PP anmts, but blocked 0545 by Berne s/on (Padula-Austl)
- 9540 NEW ZEALAND NZBC; 0715-0845* EE, organ mx, ID (Creamer, Zilmer, Meehan);
- 9540rf USSR Petropavlovsk, Kamchatka; *1700-2030* Back on this summer freq with "Kamchatka Radio" px. Usually good to 2000 then fading (B. Davis)
- 9543m CHINA R. Peking; s/on *1700 in lang, but disappeared after one minute. Where to? (Snyder)
- 9545 BRAZIL R. Universo; 0210-0218 clear of DW between pgms. PP ancr, echoes, mx (Heutte)

- 9561-2v PERU R. Nacional de Peru; 1115 SS, Ici mx (Zilmer); 2320 LA mx (Heutte)
- 9565 RWANDA DW Kigali relay; 0400 EE nx, into FF px (G. Miller)
- 9570 NETHERLANDS ANTILLES TWR; 1005 GG rel talk, hymns (Earhart)
- 9579-80 PHILIPPINES VoP; 0830-0855; 1519-1530 EE "Musica Filipinas" px, talks (Meehan, Kolb, Buxton)
- 9580 AUSTRALIA RA; 1130-1215 EE, cmntry, mx (Seigel, Wilson); 1239 May 18 announcing it would stay on to NoAmer until 11:00 AM American Eastern time for election coverage this date, and it did (Hauser)
- 9585 BRAZIL R. Nac de Sao Paulo; 1000 PP talk, mx (Zilmer)
- 9585 FINLAND R. Finland; 0300 EE, ID, comment (Monroe)
- 9595 JAPAN NSB; 1025-1045 JJ "Let's Learn Japanese" sponsored by Hitachi, Ltd. (Earhart, Zilmer, Jones)
- 9600 MEXICO XEYU; Has a choice of 1000 or 250 watts here, and nominal sked is 1300-2300 per WRTH informant (Hauser)
- 9605 JAPAN NHK; 1050-1100 YL in JJ; OM in PP; ID 1100 then into SS (Jones)
- 9615 MOROCCO RTM; 0150-0259* Mid East m, much chants //11735 (Tuchscherer, Leonhardt)
- 9620 USSR (Unknown far eastern site); Appears to be summer freq for tx on 11720 during winter. 0430 t/i-0800* HS in RR; Returns at 0815-0930 w/CC px; 0930-1100 t/o with Korean px; also 1330-1700* w/CC px, but from 1430-1530 is RR for "R. Station Pacific Ocean" Wed, Fri, Sat & Sun (B. Davis)
- 9620 FRANCE ORTF; *0558 IS, NA, FF ID (Meehan)
- 9635 COLOMBIA R. Nacional; 1035-1055 SS, talk and nx, ID 1050 and 1055 (Earhart)
- 9635 W. GERMANY DW; 0320 SS talks, GG mx, QRM VoA 9640 (Snyder)
- 9640 S. KOREA R. Korea; *0900-0915; 1200 EE nx, cmntry (Zilmer, Buxton)
- 9645 COSTA RICA TIFC; 0400 EE rel px (Bettenhausen)
- 9645 NORWAY R. Norway; 0400 EE ID, talk, mx (Monroe, Snyder)
- 9645 BRAZIL R. Bandeirantes; 0915-0935 PP ID, pop mx, talks (Earhart)
- 9645 USSR (Unknown far eastern site); 0430t/i-0900* HS in RR (B. Davis)
- 9655 AUSTRIA ORF; 0337 EE ID, comment (Monroe)
- 9655 BELGIUM RTB; 2255-2315 EE "Belgium Speaking" (Zilmer, Earhart)
- 9675 JAPAN NHK; *1045-1214 EE nx to SE Asia (Zilmer, A. Miller, Robins)
- 9675 PERU R. Del Pacifico; 1700 SS, symphony mx, ID, rel px (Mayer)
- 9675 POLAND Polish Radio; 0630-0700 EE, 0700-0730 t/o Polish (Hagen)
- 9681.5 VENEZUELA R. Puerto la Cruz; 1330-1545 sometimes. Also 3365 0150-0315, but no heard in // yet (Reeves) / (B. Davis)
- 9685 USSR R. Moscow via unknown far eastern site; *0900-1000* JJ px //11820
- 9685 BRAZIL R. Gazeta; 0315 PP sports (Zilmer)
- 9686v UNID. LA SS/EE/FF, mx, many ads. Clipped OM w/unusual tone. Fair to exc w/cycling. 0600-0820 5/19 only, despite many checks. Clear SS tape gives name of songs, singers, DJ patter, but station ID sounds like "Radio Contin....." Per WRTH LA nx, only R. Continental in Arequipa is active here (Reeves)
- 9690 W. GERMANY DW; 0130-0155 EE nx, mx, election talk (Brunner)
- 9695 BRAZIL R. Rio Mar; 1100 PP talk (Robins); 2325; 0315 PP sports (Heutte, Z'mer)
- 9700 JAPAN NHK; 1830-1845 EE talks, announced //11960 (Tuchscherer)
- 9705 BRAZIL R. Maua; 0928-0950 PP talks, mx, ads, "Maua" w/echo effect (Jones)
- 9705 MEXICO XERMx; 2250-0035 SS ID, mx (meehan)
- 9710 UNID. 1555 SEA lang, AA mx. Malaysia? (Snyder)
- 9725 SWITZERLAND SBC; 0430-0450 EE "Merry-go-Round" px (Meehan, Kolb, M'roe)
- 9735 USSR R. Moscow & R. P&P via unknown far eastern site; 1330 t/i-1600* CC px, not as strong as 9780 (B. Davis)
- 9730 E. GERMANY RB1; 0200 GG ID (Schwartz); 0230 EE ID (Meehan)
- 9740 CZECHOSLOVAKIA R. Prague; 0158 IS, 0215 SS ID, nx (Schwartz)
- 9740 PORTUGAL R. Nacional; 1030 PP talk on Junta (Keating)
- 9740 MALAYSIA BBC Tebrau; 1105 EE World Service nx (Robins)
- 9745 IRAQ R. Baghdad; 1930 EE nx and cmntry (Pyatt)
- 9745 BRAZIL R. Cultura; 2230-2300 PP, nx, ads (Heutte) / (Heutte)
- 9760 GUATEMALA R. Nacional; 2215 marimba mx amid jamming and much QRM
- 9760 AUSTRALIA RA; *1000 EE, time pips, clock chimes (Jones)
- 9770 BRAZIL R. Min da Educacao; 0925 PP talks, mx (Zilmer); 0154 PP, OM in soft voice reading bedtime story; QRM Vienna, seemed VoA in there too. //11950 but not 5990 or 1785 (Hill)
- 9770 USSR (Believed Vladivostok); 1330 t/i-2100 t/o Mayak HS; fades back in 0200-0300, but in regular HS, not Mayak; signs off 0600 (B. Davis)
- 9780 USSR (Believed Blagoveshchensk); *1430-1700* CC cvc; period from 1430-1530 is "R. Station Pacific Ocean" in RR Wed, Fri, Sat, & Sun (B. Davis)

- 9810 USSR (Unknown far eastern site); 2300 t/i-0800* RR Home svc. Poor till 0400 (B. Davis)
- 9810 CLANDESTINE Mother of Vietnam; 1557 past 1600 YL in VV talks //7085 (Hill)
- 9895 N. KOREA R. Pyongyang; *0858 NA and s/on by YL in SS (Snyder)
- 9977nf N. KOREA R. Pyongyang; 1805 EE, YL reading nx, no//s noted (Bowlby)
- 9980 N. KOREA R. Pyongyang; 1030 EE, propaganda, martial mx (Keating)
- 10110 CLANDESTINE R. Espana Independiente; 2155 OM in SS talks //7670 (Heutte)
- 11415 CLANDESTINE R. Peyke Iran; 1545 Farsi talks (Heutte) Itemout of order MRL
- 10530 KA ZAKH SSR R. Alma Ata; 1203 heavy RR songs (A. Miller)
- 11535 N. KOREA R. Pyongyang; 1150 EE cmntry (Seigel)
- 11620 INDIA AIR; 2200 EE nx, cmntry, mx (Zilmer)
- 11650 CHINA R. Peking; 1330-1400 EE "China in Construction" talk (Hardester)
- 11672 PAKISTAN R. Pakistan; 1752-1800* EE nx, ID (Bowlby)
- 11695 CLANDESTINE R. Courier of Iran; 1459-1512 OM in Azerbaijani talks (Earhart)

Last call for the six month recapitulation of the items reported in the "C" section of Log Report from January through June which was announced in June FRENDX. Anyone wishing this, send \$1.00 and long SASE with 20¢ postage to me (not HDQ) at P. O. Box 13, Liberty, IN 47353 by July 31, 1974. None available after that date.

o o o (M. R. Leonhardt 6/20/74)

RADIO LA CRUZ DEL SUR

TELEFONO 50539 - CAJON 1408 - LA PAZ - BOLIVIA

La Paz, 9 de abril de 1974

Dear Sir:

We wish to thank you very much for your recent letter and report concerning our transmission on 4.875 KHz. Your report is very helpful to us.

C. P. 3FM

95 MHz FM

C. P. 27

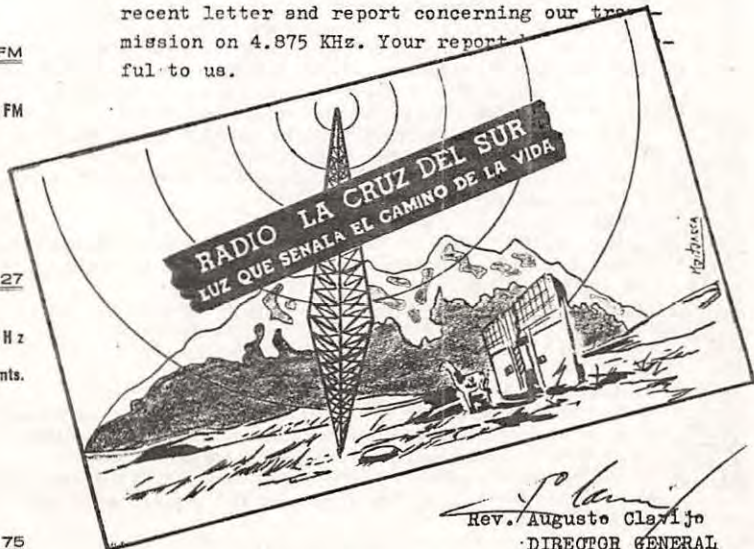
730 KHz

441 mts.

C. P. 75

4875 KHz

61.54 mts.



Rev. Augusto Clarifjo
DIRECTOR GENERAL

- 11700t USSR RM 1215-1305 AA, gong ID at 1300, poor (Earhart 6-5)
 11705NF CUBA RHC; 0449-0505 SS, ID, piano mx, nx, good (Earhart 5-24)
 11705 JAPAN NHK; 1100 SS, tlks, fair (Jones 5-12)
 11710 AUSTRALIA RA; 1145-1155 EE, mailbag, fading, fair (Seigle 5-19) Morlan
 11710 ARGENTINA RAE; 2030-2100 SS, lite mx, tlk, 2305 EE nx, fair-good, (Bettenhausen/
 11715 ALGERIA RTVA; 0938-1000 AA, YW ann, AA mx, poor, (Earhart 5-29)
 11715 SWITZERLAND SBC; 0145, 0205, 0429 EE, nx, "Dateline", fair-good, 0215 SS tlk,
 (Morlan 5-16, Kolb, G, Miller 5-22, Robins)
 11720 BRAZIL R Nac; 0000 PP, //15445, fair (Zilmer 5-23)
 11720 CANADA CBC; 1210-1215 EE, sports, No. & Armed Forces svc, fair (Jones 5-11)
 11725 CUBA RHC; 0100-0115 EE, nx, cmntry, 0200-0210 EE VoV px, 0435-0440 EE, mx, 0505
 EE VoV px, fair-good, (Seigle, Earhart, Snyder)
 11730 HOLLAND RN Lopik; 2140-2155 EE, 1958-2005 FF, IS, ID, nx, mx, fair (Fino, Seigle)
 11735 USSR RM; 0035, 0245 RR, 0300 EE, nx, mx, IDs, fair (Earhart, Bowlsby)
 11735 MOROCCO RTM; 0218-0240 AA, AA chants by YW, applause, fair (Earhart 5-19)
 11735 FRANCE ORTF; 0517 EE, Afr. nx, mailbag px, poor (Snyder)
 11740 ECUADOR HCJB; 1450 EE, nx, mx, excellent (Atkins)
 11740 AUSTRALIA RA; 1330-1355 EE, hit parade, election results, (Brunner 5-18)
 11745 FRANCE ORTF; 0920-0935 FF, mx, tlk, fair (Earhart 5-29)
 11760 CUBA RHC; 2155-2210 SS, IS, ID, freqs, heavy QRM, fair (Fino 5-3) Atkins
 11765 AUSTRALIA RA; 0710-0845 EE, sports, nx, //9570, fair-excellent (Robins, Zilmer,/
 11770 PAKISTAN R Pakistan; 2045 EE WS to UK, listed ITU for 11760, drift?, (Padula 5-8)
 11770 LITHUANIAN SSR R Vilnius; *0030-0059* EE, sat & Sun, nx, mailbag, (Brunner)
 11770NF USSR RM; 2350 EE to NA, //11790, QRM de R Mex & jammer, poor (Bowlsby 5-12)
 11770 MEXICO R Mex; 1332 SS, mx, tlk, fair (A. Miller 5-25)
 11775 SPAIN RNE; 0136 SS, mx, ID, good (A. Miller 5-18)
 11780 ENGLAND BBC; 0045 EE, drama, excellent, (Wilson 5-6)
 11780 MOZAMBIQUE RCM-LM Radio; 0500-0515 EE, wx, ads, mx, ID, poor (Robins, Mayer 6-1)
 11785t BELGIUM RTB; 0545 FF, QRM de DW EE s/on, good (Bowlsby 5-13)
 11785 BRAZIL R Guaiba; 0005 PP, OM clk to 0017, mx past 0100, fair, (Bowlsby 5-13)
 11790 AUSTRALIA RA; 1125, 1200, 1335 EE, nx, mx, tlks, fair (Earhart, Schwartz, Miller)
 11790 INDONESIA VoI Jakarta; 1100, 1145 nx in EE, YW at 1145, fair-poor (Zilmer, Mayer)
 11790 NETH ANT TWR; 0245-0310 SS, rel px, rel mx, fair (Earhart 5-20)
 11795 ETHIOPIA ETLF; 0350 FF, ID in lang at 0400, off 0410, fair (Snyder)
 11800 CANARY IS RNE; 1958-2003 SS, IS, ID, mx, fair (Seigle 5-26) Brunner
 11805 SWEDEN RS; *0030-0058* EE, Swedish lang lesson, ID, chimes, DX px, poor (Zilmer,/
 11810 ITALY RAI; 2257, 0000-0010 II, 0100-0120 EE, 0120 FF, drama, ID, IS, nx, tlks,
 mx, fair (Fino 5-31, Brunner, A. Miller 5-24)
 11810 AUSTRALIA RA; 1240-1255 EE, Hit Parade pops, //11790, fair (Earhart 5-31)
 11815 JAPAN NHK; 1200, 1800-1830 EE, nx, cmntry, //5990, poor-fair (Zilmer, Morlan)
 11815 POLAND PR; 0215, 0310 EE, tlk, fair-poor (Mayer 5-30, Snyder)
 11815 BRAZIL R Brasil Central; 0000 PP, sports, fair (Zilmer 5-23) Seigle
 11815 NETH ANT TWR; 1230, 1157, 0030 EE, mx, ID, poor to excellent, (Jones, Wilson, /
 11815t PORTUGAL RFE; 0630-0650, Hungarian?, tlk, mx, fair (Earhart 5-9)
 11820 USSR Unid Far East site; RM *0800 CC, 0900 JJ, 1000*, //9685 from 0900-1000,
 (B. Davis)
 11825 TAHITI RT; 0405-0431 Tahitian, local mx, fair (Earhart 5-24)
 11825 VATICAN VR; 1337, ID in Latin, then sched in lang, poor, (A. Miller 5-25)
 11835 SRI LANKA VoA; 1425 EE ID, nx, good (Monroe)
 11835 HAITI 4VEH; 1143-1200, 1315, 1615-1630, EE, rel px, wx, fair-poor (Schwartz,
 Jones 5-11, Brunner, Seigle 5-19)
 11835NF CANADA RCI; 0345-0357* SS, tlk, fair, (Earhart 5-24)
 11835 SUDAN R Omdurman; 0410 AA, chants, poor (Lineback 5-20)
 11835NF USSR unid Far East site, R S Pacific Ocean; *1430-1530* Wed, Fri, Sat, Sun, RR,
 //9620, 9780, 12010, (B. Davis) Bettenhausen/
 11840 GERMANY (DR) RBI; 0331-0345 EE, nx, pops, fair after R Portugal off, (Snyder,/
 11840 AUSTRALIA RA; 1803 EE nx, good (Ravenhorst 5-19)
 11840 VATICAN VR; 0100-0115 EE, to 0130 in FF, tlks, fair (Lineback 5-25)
 11845 PORTUGAL R Nac; 2325-0000 PP, 0215 FF, 0320 EE, tlks, features, mx, fair-good,
 (Fino 5-31, Jones 5-28, Monroe, Snyder)
 11845NF VATICAN VR; 0030-0130 SS, EE, FF, church nx, rel tlks, mx, fair (Tuchscherer,
 Fino 5-31, Earhart 6-2)
 11845 HOLLAND RN Lopik; 2255 SS, poor (Snyder)
 11850 AUSTRALIA RA; *1800, *2215 EE, mx, //15335, fair (Morlan 5-20, Mayer 6-2)
 11850 NORWAY R Norway; 0300, 0700, 0530, 0600, 0415, EE IDs, NN nx, tlk, mx, 0215 EE
 px on 5-13 //11860, 9550, fair to good (Schwartz 5-26, Buxton 5-14, G. Miller 5-19,
 Monroe, Snyder, Mayer 5-13)
 11855 USA WYFR; 0230-0245 SS, rel tlk, ID, mx, fair-good (Fino 6-1)
 11855 BELGIUM RTB; 2255 EE, DX corner, fair (Zilmer 5-27)
 11860 FRANCE ORTF; 0430 FF to Africa, Drama, poor (Keating)
 11860 NORWAY R Norway; 0005 NN, QRM de RNE, fair (Bowlsby 5-1)
 11860 USSR RM; 0335 EE, YW nx, good, (Morlan 4-19)
 11860 SPAIN RNE; 2359 SS, s/on under R Norway, poor, (Bowlsby 5-12)
 11870 AUSTRALIA RA; 1445 lang, QRM de Moscow, poor (Bowlsby 5-13)
 11875 JAPAN NHK; 1115 EE, nx, oriental mx, tlk, fair-poor (A. Miller 5-18, Zilmer 5-23)

- 11880 TURKEY VoT; 2045 TT, 2200 EE, nx, TT mx, letterbox, fair (Buxton 5-14, Keating)
 11890 USSR RM; *0330-0345 SS, cmntry, only RM heard here since mid May, perhaps
 LV del Patria was ID used on special RM program to Chile, poor (Lineback)
- 11890NF AUSTRALIA RA; 1300-1315 EE, ID, fair (Schwartz)
 11890NF? Unid loc., R Netherlands; 1828 lang, AA mx, QRM, fair-good (Pyatt 5-28, Bowslyby)
 11900 USA KGEI; 0430 classical mx, excellent, 0445-0510 SS rel px, hymns, QRM de RSA,
 good, (Creamer, Earhart 5-12)
- 11900 CZECHOSLOVAKIA RP; 0300 EE, special px on liberation day, RR mx, E (G. Miller 5-9)
 11900 S AFRICA RSA; 0750, 1147, 1159, 1400 EE, mx, ID, IS, poor to good, (Seigle 5-19,
 A. Miller 5-13, Burlew 5-25, G. Miller 5-24)
- 11900NF USSR Unid Far East site, Mayak HS; IS, ID, *1600-2230*, sometimes *1540 or 1545,
 good (Bowslyby 5-13, B. Davis)
- 11905 ENGLAND BBC; 1201-1215* EE, tlc, fair (Earhart 5-22)
 11905NF GERMANY (FR) DW; 2324 GG, IS to *2330, not listed, QRM de RAI, good (Bowslyby 5-12)
 11905 AUSTRIA ORF; 2029 GG, ID, nx, poor (A. Miller 6-2)
 11910 HUNGARY RB; 0418 EE, nx, cmntry, poor (Meehan 5-13)
 11910NF? ECUADOR HCJB; 0200 EE nx, rel px, good (Morlan 5-3)
 11915NF USSR Unid Far East site; 1400-1600* CC, fairly good but usually jammed, (B. Davis)
 11920 PHILIPPINES FEBC; 1130 EE, ID, lang lesson, rel tlc, fair-poor, (Zilmer, Miller)
 11920 IVORY COAST RTVI; 2000 FF, Hi-life mx, tlc, poor (A. Miller 6-2)
 11920 SPAIN RNE; 0200 EE mx, 0100 SS nx, tlc, fair-good (G. Miller 5-22, Seigle 5-16)
 11925 S KOREA RK; 0510 EE, unid QRM, poor (Snyder)
 11925 SPAIN RNE; 0315 SS, mx, good (Pyatt 5-30) Lineback 6-11
 11925 GERMANY (FR) VoA Munich; *0300-0307 EE, IS, ID, nx, xed by RNE s/on, //9770, P /
 Schwartz)
 11930 USSR RM; 0030 SS, nx, mx, s/off w/NA, good (G. Miller 5-8)
 11935 PORTUGAL R Nac.; 0230-0240 EE, mx, tlc abt tourist attractions, F, F-P, (Morlan, /
 Schwartz)
 11935 S AFRICA SABC; 0505-0525 EE, pops, poor-fair, fading, (Earhart 5-14)
 11940 SINGAPORE RS; 1630* EE, YW nx lcl, fair (Morlan 4-17)
 11945 GERMANY (FR) DW; 0135-0145 EE, pops, Asian svc, (Tuchscherer 5-11)
 11950 LIBERIA ELWA; 0730 EE ID, rel px, good (Creamer)
 11950 USSR RP&P; 0008 EE, fair, (Bowslyby 5-4)
 11950 BRAZIL R Min Educacão; 0240 PP, symph. mx, amnts, good (Robins)
 11955 MOROCCO VoA Tangier; 2000 EE ID into Czech, fair (Keating)
 11955 ETHIOPIA ETLF; 2000, chants, tlc in lang, under VoA, (Keating) Zilmer
 11955NF SWEDEN RS; 0230-0250 EE, spts nx, DX px, //11940 VP, F-G (Lineback, Tuchscherer, /
 Schwartz)
 11960 USSR Irkutsk; *0330-1000+, weak at s/on, F-G by 0700, CC svce, (B. Davis)
 11960 MALI Bamako; 0605, west African mx, good via LR, new tx?, (Padula-Australia 5-11)
 11965 USSR RM; 1855 lang, 1900 IS then another lang, fair (Bowslyby 5-12)
 11965 RWANDA DW Kigali; 2030 GG ID, GG px, (Keating)
 11965 LEBANON RL; 0230-0300 EE to NA, mx, AA before 0230, SS after 0300, nx, fair,
 (Zilmer 6-3, Buxton 5-13, Tuchscherer 6-5, Snyder)
- 11990 CZECHOSLOVAKIA RP; 1540 EE, 1930 AA, 2300 SS, 0100-0200 EE, 0230-0300 SS, 0300-
 0400 EE, usual px, //9740, 9549, 7345, all good (many)
- 11990 CANADA CBC; 2200 EE px to svcmn in Bu, good (Zilmer)
- 12000 USSR RM; 2230-2357 SS/Quechua, 0000-0030 SS to Cuba, F-E, (Burlew 5-10, Fino)
 12010 USSR Petropavlovsk Kamchatka; 0030-1000, CC svce, usually jammed, hrd under
 RM European USSR site with SS px, strong carrier but low modulation, (B. Davis)
- 12010 USSR believe Vladivostok for Radio Station Pacific Ocean; *1430-1530* Wed, Fri,
 Sat., & Sun., good signal, het from Peking 12013, (B. Davis)
- 12020NF USSR Petropavlovsk Kamchatka; CC svce from before 1400-1600*, two or more jammers,
 perhaps jammed by Taiwan also, strong carrier, low modulation, poor (B. Davis)
- 12025 ISRAEL IBA; 2029-2040 EE, nx, features, 2100 HH HS nx, F (Zilmer, Burlew, Keating)
- 14987 N VIETNAM HS 1; 1543 VV, tlc by W, //10060, bad fax QRM, (Hill)
 15000 UNID Time Signal; 1218-1238, time pips, CW, 3 double pips after each minute,
 CW from 29-34 min., weak (Atkins). China or Japan?-ed.
- 15012-14v N VIETNAM VoV; 1217-1227* lang, 1300 EE, 1838 FF, 1720 VV, ID, nx, cmntry,
 fair (Mayer 5-27, Atkins, Bowslyby 5-13)
- 15060 CHINA RP; 0015, 0445 EE, tlks, poor-fair, QRM, (Wilson 5-6, Morlan 5-31)
 15070 ENGLAND BBC; 1022 EE, symph mx, fair (A. Miller 6-8)
 15084 IRAN R Teheran; 1650-1703, 1925-2005 Farsi, ID, chants, tlks, fair (Earhart 6-6,
 Schwartz, Atkins, Bowslyby 6-3)
- 15085 EGYPT RC; 0145 SS to SA, good (Creamer) Mayer 5-13)
 15100 ISRAEL IBA; 1135, 2000-2020 EE, nx, mx, //15130, fair (Miller 6-1, Pyatt 5-18, /
 Schwartz)
 15105 JAPAN NHK; *2100, *0300, *0400 EE, IS, ID, nx, //17880, 15300, F-P (many)
 15105 GRENADA RG; 2047-2300 EE, ID, pops, fair, (Schwartz 5-23)
 15110 ISRAEL IBA; 2158 FF, IS, FF px, poor (Zilmer 5-25)
 15110 NEW ZEALAND RNZ; 2105, 0058, 0240-0355 EE, mx, nx, poor-excellent, (many)
 15115 ECUADOR HCJB; 0100-0223* EE mx px, DX Partyline, //11915, 9560, E (Brunner, Seigle)
 15115 PORTUGAL RFE; 2125 Bulgarian, r&r mx, jammed, ID, 2138* (Bowslyby 6-3)
 15115NF USSR Unid Far East site; 0255-0900 f/o, CC svce. Tricky, HCJB off at 0225, Peking
 on 0200-0255 in CC, then weak Soviet sta left, (B. Davis) Snyder, Weaver)
- 15120 FRANCE ORTF; 1743, 1805, 1850 FF, 1911*, //15360, tlc, good (A. Miller 6-1, /
 Schwartz)
 15120 NIGERIA VoN; 1800 EE, nx, pops, tlc, Afro mx, poor (G. Miller 5-26)
 15125 MEXICO R Mex; 0034 SS, lovely Mexican ballads, good (A. Miller 6-9)
 15130 USSR RM; 0515 EE, science and engineering px, //15210, excellent (Morlan 5-31)

- 15130NF GERMANY (DR) RBI; 1445-1500 GG, sports nx, poor (Schwartz 5-27)
- 15130 ISRAEL IBA; 1145-1201 EE, tlks, ads, nx, TC, into lang, poor (Earhart 5-17)(Zilmer)
- 15140NF SWITZERLAND SBC; 1315-1345 EE, nx, features to NA, good (Ravenhorst 5-6, A. Miller)
- 15140NF ITALY RAI; 1445 II, nx, ID, poor (Schwartz)
- 15140 CUBA RHC; 2040 EE letterbox, excellent (Atkins)
- 15145 SPAIN RNE; 1910-1930, 2210, 0210 SS, pops, tlk, good (Robins, Fino, Creamer, Jones)
- 15145 BRAZIL R Jornal do Comercio; 0032 PP, US & Brazilian pops, fair (A. Miller 5-31)
- 15145 PORTUGAL RFE; 0720-0735 Polish, mx, lite vocals, fair (Earhart 5-11)
- 15150 CHILE VoC; 0138 RR, GG, EE ID, 0203-0210 GG diatribe, 0250 EE tlks, fair-good, Robins, Kolb, Schwartz)
- 15150NF ECUADOR HCJB; 1515-1600, 0028 SS, mx, tlks, fair (Bowsby 5-8, Earhart 5-8)
- 15155 FRANCE ORTF; 1052-1110 EE Afro & wrld nx, 1636 FF, 'inter', P-F (Jones, A. Miller)
- 15155 CUBA RHC; 2040 EE, LA songs, YW ann, fair (A. Miller 6-1)
- 15155 BRAZIL R Tupi; 2330, 0025, 0207, 0315-0325 PP, Brazilian pops, tlks, ID, ads, fair, (Pyatt, A. Miller 5-31, Robins, Earhart 5-24)
- 15160 AUSTRALIA RA; 0315-0615 EE, nx, tlks, pops, classical mx, //15240, poor-good (many)
- 15160 USA VoAos Bethany; 2345-0000 EE, good (Ravenhorst 5-20)
- 15165NF UNID VoVietnam; 2115-2140 EE, Anthem, ID, nx, interview by YW, good, slight fade, (MacLeod). Reported as N Vietnam, but probably Cuba-ed.
- 15165 DENMARK RD; 1158-1205, 1345*, *1400-1445*, *1600 EE IDs, Danish px, tlks, fair, (Earhart 5-30, Robins, Atkins, Hardester 6-4)
- 15165 USA WYFR; *1615 RR to Eu, into EE rel px 1700, good, (Atkins)
- 15170 USSR Unid Far East site; possible Vladivostok, RM, *2230VV, 2300 CC, 0230*, *0800-1400* CC, strong, QRM de Tahiti 2230-2330, (B. Davis) A. Miller 6-8)
- 15170 TAHITI RT; 0222-0318, 0420 FF/Tahitian, pops, island mx, P-G (Jones 5-24, Earhart)
- 15175 NORWAY RN; 1500-1530, 1600-1630 EE ID, NN tlk, mx, nx, EE px on Sun., G (many)
- 15175 USA KGET; 1815-1832 SS, rel px, nx, fair (Seigle 5-26)
- 15180 ARMENIAN SSR R Yerevan; 0326, 0430-0500 EE, ID, nx, tlks, RM px right after, fair (A. Miller 5-12, Jones 5-29, Hardester 6-1)
- 15185 FINLAND RF; *1400-1425, 1805-1830 EE, features, mx, fair-excellent, (many)
- 15185 NIGERIA VoN; 0715 EE, Wrld & African nx, local nx, excellent, (Wilson 5-12)
- 15185 USA WINB; 2035 EE, lite mx, Freedom tlk at 2100, IDs, tx problems, E (Morlan)
- 15190 CANADA RCI; 0057 IS, EE ID, nx, excellent (Seigle 5-26) Schwartz, G. Miller)
- 15190 CONGO RTVC; 1900-1946, 2100 FF, tlks, Afro mx, good (Pyatt 5-27, A. Miller 6-1, /
- 15190 ETHIOPIA ETLF; 1445 AA, rel tlk, mx, ID at 1500, fair (A. Miller 5-19)
- 15195 AFGHANISTAN RA; 1140-1140 EE nx, lcl mx, poor (Mayer 5-14)
- 15195 JAPAN NHK; 1615, EE general svc to Asia, into JJ, poor (Keating)
- 15195 MOROCCO VoA Tangier; 1759 IS, EE ID, px in lang, Bulgarian at 1830, good (Robins)
- 15200 AUSTRIA ORF; 1830-1850 EE, "Rept from Austria", (Brunner)
- 15205 INDIA AIR; 0228 EE, IS then nx, poor (Zilmer 5-29)
- 15210NF LEBANON RL; *1830 EE-1900 AA to 2030, ex 15200, good (Hagen)
- 15215 USA WYFR; 0100-0114 SS mx, rel px, good, (Seigle 5-26)
- 15220NF HUNGARY RB 0140-0200* SS, tlks, little mx, (Tuschscherer 5-14)
- 15220 NETH ANT RN; 2125 IS, DD to SA, to 2155*, nx, cmntry, fair-good, (Morlan, Fino)
- 15225 USA VoA Greenville; 1816 EE, US history tlk, poor (Snyder 5-26)
- 15230 CUBA RHC; 0020-0035 SS, nx, political tlk, features, good, (Fino 5-23)
- 15230 AUSTRALIA VLH15 Melbourne; 0520 EE, sports, poor (Mayer 6-1)
- 15240 YUGOSLAVIA RB; 1550-1600 EE, ID, nx, fair (Schwartz)
- 15240 AUSTRALIA RA; 0315-0323, 0410-0550 EE, class mx, pops & rock, tlks, //15160, fair to excellent (Earhart 5-9, Morlan 5-31, Seigle 5-27)
- 15240 SWEDEN RS; 1830 EE, tlk abt exchange students, fair (A. Miller 5-19) Schwartz)
- 15242.5-45v ZAIRE LV du Zaire; 1940-2000, 0529-0538 FF, Afro mx, tlks, fair (Earhart 5-9, /
- 15245 BRAZIL R Nac; 2200 EE into II, 0000 PP, 2100 EE, nx, features, sports, good (many)
- 15250 ROMANIA RB; *1500, ID, freqs, nx by man, weak QRM, (Seigle 5-26)
- 15255t PORTUGAL RFE; 2205-2225 f/o, Czech?, nx, fair, (Earhart 5-22)
- 15260 ASCENSION IS BBC; *2000 EE to CA & SA, (Morlan 5-28)
- 15260 USA VoA Greenville; 1705-1815 Ukrainian, nx, cmntry, mx, fair (Fino 5-22)
- 15265t BRAZIL R Exelsior; 2200-2230* PP, tlk, no definite ID, fair (Zilmer 5-24)
- 15270 JAPAN NHK; 2345-0045 EE to ECNA, 0745-0845, excellent, //15445, (Buxton 5-12)
- 15290 PHILIPPINES VoA Tinang; 0150 EE, fair (Robins)
- 15295 FRANCE ORTF; 1820 FF, instrumental mx, fair (Snyder 5-26)
- 15305 SWITZERLAND SBC; 0145 EE, 0150 EE, 0315-0345 FF, nx, cmntry, mx, good (G. Miller, Jones 6-5, Ravenhorst 5-19, Earhart 5-12)
- 15310 INDIA AIR; 0240 nx by OM in EE, poor (Mayer 5-13)
- 15315 CANADA RCI; 1210-1215 EE, sports nx, good (Seigle 5-27)
- 15320 AUSTRALIA RA; 0112-0255 EE, pops, mailbag, nx, tlk, fair-good (many)
- 15325 CANADA RCI; *1830-1914* EE to Africa, IS, ID, nx, tlks, fair (Fino 5-22)
- 15325 PAKISTAN RP; 0200, *0230-0245, lang, lcl mx, fair-poor (Zilmer 5-16, Mayer 5-13)
- 15340 CUBA RHC; 0215 SS mx, tlk, fair (Snyder 5-25)
- 15345 ARGENTINA R Nac; 1730 SS tlk, ID, good, (Mayer 5-26)
- 15347t BRAZIL R Gazeta; 0200 PP, tlks, no ID, poor (Zilmer 5-16) Snyder 5-11)
- 15350 USSR RM; 1625 possible AA, IS, ID, into different lang, QRM de Luxembourg, poor /
- 15350 USSR Unid Far East site; Mayak HS hrd weakly from 0215 until 0820 f/o, (B. Davis)
- 15355 AUSTRALIA RA; px to Pacific Islands, //17715, 17870, fair (Mayer). Time please.
- 15360 MOROCCO RIM Tangier; 1640 AA, AA mx, ID, poor (Schwartz)

- 15365 CANARY IS RNE; 2202 SS ID, good (Robins)
 15385 NETH ANT RN; 2325-2345* PP to Brazil, nx, tlks, PP mx, ID very good, (Fino 5-6)
 15385 CHINA RP; 0335 EE, fair (Bowlsby 5-25)
 15405 USSR R Kiev; 0015-0045 EE nx, sports; R Yerevan; 0320-0332 EE, Opera mx, ID, Armenian nx; 0332 ID as RM then EE px, fair-good, (Cress, Davidson)
 15410 GERMANY (FR) DW; 1240-1245 EE rock mx to Africa, ID, into African lang, F (Seigle)
 15415 KUWAIT RK; 1700-2000 EE, jazz, pops, nx, wx, ID, poor to good (many)
 15415 BRAZIL RC Ribeirao Preto; 2255, 0303 PP ID, mx, tlks, ads, fair (Robins, Zilmer)
 15420 UNID Algeria?; 2100-0000* FF, jazz, some EE mx, tlks, poor (Zilmer 5-21)
 15420 CYPRUS BBC; 1700 WS nx, then off, QRM de Kuwait, (Robins)
 15430 SWITZERLAND SBC; 2100-2130 EE, Dateline, 2130 GG, (Brunner)
 15440 PHILIPPINES FBC; 1240-1255 EE, tlk, mx, ID, poor (Earhart 5-10)
 15445 BRAZIL R Nac; 2300-0006 PP, mx, tlk, fair (Earhart 5-9)
 15450 UKRANIAN SSR R Kiev; 0050 EE tlk about surgeons, good (Jones 6-7)
 15455 USSR RM HS; piano mx 2100-2130, RR tlk, IS, excellent (Burlew 5-11)
 15490NF ISRAEL IBA; 2040 EE, nx, good (Zilmer 5-18)
 15505 USSR RM; Sverlovsk? 0030 nx in EE, good (Creamer)
 15555 USSR RM; 2344-0000 EE, tlk, nx, good (Earhart 5-9)
 15630 N KOREA R Pyongyang; 2302-2358 EE, cmntry, fair (Ravenhorst 5-17)
 17650 CHINA RP; CC opera 0450, Int'l and off at 0454, //15520, (Hill 5-21)
 17655 EGYPT RC; 1745 EE, nx, poor (Zilmer 5-26)
 17673 CHINA RP; 0015 EE nx by YW, fair (Creamer)
 17705 CUBA RHC; 1529 SS, mx, fair (Jones 6-2) Earhart 6-5, Tuchscherer 5-14)
 17710 SWEDEN RS; *1400-1430 EE, tlk, nx, lang lesson, DX nx, good (A. Miller 5-26, /
 17710 USSR Central Asian Site; 0430 s/on to 0830 f/o, CC svce, flutter (B. Davis)
 17715 ENGLAND BBC; 1332-1400 AA, ME type mx, fair-poor (Earhart 6-5)
 17715 AUSTRALIA RA; 0512-0530 EE, pops, fair (Earhart 6-1)
 17720 TAIWAN BCC; 0300 EE nx, cmntry, poor-fair, flutter, (Cress 6-6)
 17755 ITALY RAI; 1420 II, Opera, 1425*, (is this a CBC relay?), good (A. Miller 5-26).
 17770 NEW ZEALAND RNZ; HS relay //15110 at 0300, QRM de AFRTS 17765, (Robins, Pyatt)
 17775 USSR Khabarovsk RM; *0600-0730 CC, Indon to 0800, CC to 0900 f/o, (B. Davis)
 17795 SWITZERLAND SBC; 1140-1150 GG/II Swiss mx, fair (Earhart 5-7)
 17795 AUSTRALIA RA; 0115-0301* EE, nx, tlk, 0030, 0530 FF, pops, tlk, P-G (many)
 17805 SPAIN RNE; 1450 SS, ID, freqs, weak (Seigle 5-19)
 17805 S AFRICA RSA; 0702-0706 EE, nx, sched, tlk, fair (Earhart 5-11)
 17810 HOLLAND RN Lopik; 1556 DD, rel svce, fair (A. Miller 5-26)
 17815 ECUADOR HCJB; 1830 GG, ID in EE, GG tlk, good (A. Miller 6-8)
 17815 USSR Irkautsk; *0430-0830 f/o, CC svce, weak compared to coastal sta., (B. Davis)
 17825 JAPAN NHK; 0130-0200 EE nx, ID, mx, tlk, //17725, good (Brunner) Robins)
 17830 PAKISTAN RP; *0230-0245* GOS EE slow nx, *0300 Urdu, Koran chants, fair, (Mayer, /
 17830 SWITZERLAND SBC; 1602 GG, nx, fair (Miller 5-26)
 17840 ASCENSION IS BBC; 1602 EE, WS, fair (Jones 6-2)
 17845 USA WYFR; 1950 EE, rel tlk, mx, good, (A. Miller 6-8)
 17845 PAKISTAN RP; *1300-1343, EE nx then Urdu?, poor (Brunner, Earhart 5-10) Davis)
 17845 USSR Far Eastern site; possibly west of Irkautsk, Kramoyarsk?, *0500-0830 CC, (B. /
 17860 USSR Far Eastern site; more CC svce, *2300-0230*, good, (B. Davis)
 17870 LIBERIA VoA Monrovia; 1559 EE s/on, fair (Jones 6-2)
 17870 AUSTRALIA RA; 2230 EE nx, mx, very good (Davidson)
 17875 GERMANY (FR) DW; 1203-1215 EE, wrld nx, tlks, fair (Earhart 5-7)
 17885 CUBA RHC; 1555 SS, mx, fair (Jones 6-2)
 17890 TAIWAN BCC; 0225 EE by YW, CC vocals, fair, fade, (Hill 5-5)
 17890 USSR Far Eastern site; good signal in CC svc, *0530-0830*, (B. Davis)
 17900 USSR RM; 0140 EE nx, fair (Creamer); 1151-1202 RR, songs, fading (Earhart 5-7)
 17920 EGYPT RC; 1303-1310 AA, chants, poor (Earhart 5-10)
 17935NF PAKISTAN RP; 0245* YW unreadable, mx, *0645 Urdu, Koran, (Padula 5-19, Robins)
 18080 ENGLAND BBC; 1400 lang, ID, nx, possibly Bengali per WRTH, fair (A. Miller)
 21450 USSR RM; weak talk beamed to SEA, 1100, (Ferrell). Perry Ferrell has sent us the results of a special 13 meter log he made between 1100 and 1200 on 6-7.
 21455NF ENGLAND BBC; IS to 1130 then African Svce, (Ferrell)
 21460 BELGIUM RTB; pops in African Svce, 1100 (Ferrell). //21475
 21465 EGYPT RC; Voice of the Arabs, chants, 1100 (Ferrell)
 21470 ENGLAND BBC; weak, but still in there, 1100 (Ferrell)
 21480 HOLLAND RN; Tango mx, 1100 (Ferrell)
 21485 VATICAN VR; tlk by woman in African dialect, strong, 1100, (Ferrell)
 21490 USSR RM; listed at Tula beamed to India, 1100, (Ferrell)
 21495 PORTUGAL R Nac; 1910-1918 EE, tlks abt Angolan self determination, fair (Earhart)
 21505 USSR RM; listed Dushanbe, beamed to SEA, 1100 (Ferrell)
 21520 SWITZERLAND SBC; tlks in GG, 1100 (Ferrell)
 21535 S AFRICA RSA; very weak, 1100, (Ferrell)
 21545 GHANA RG; 1705-1720 PP, tlks, mx, poor-fair (Earhart 5-6)
 21550 ENGLAND BBC; Daventry African Svce, 1100 (Ferrell) (Earhart)
 21565 ALGERIA RTVA; AA chants, very strong, 1100, (Ferrell); 1430-1445 AA, tlks, mx, P/
 21570 HOLLAND RN; DD to Africa, ID 1815, tlks 1100 (Ferrell, Keating)
 21580 FRANCE ORTF; FF pops, strong signal, //21620, 21675, (Ferrell)
 21600 GERMANY (FR) DW AND USSR RM, Leningrad; fighting it out (Ferrell)

21610 ENGLAND BBC; SEA svce, 1100 (Ferrell)
 21635NF ENGLAND BBC; unlisted, 1100 (Ferrell)
 21655 NORWAY RN; usual mx and tlks, 1100 (Ferrell)
 21660 LIBERIA VoA Monrovia; 1700 lang, IS, ID, fair (A. Miller 5-26)
 21660 CYPRUS BBC; fair signal, 1100 (Ferrell)
 21665 PORTUGAL RFE; no jamming audible, 1100 (Ferrell)
 21675NF AUSTRIA ORF; GG for east Asia at 0720 ex 21720, good (Padula-Australia 5-5)
 21685 KUWAIT RK; weak but identifiable AA, 1100, (Ferrell)
 21695 USA VoA Greenville; SS, 1100 (Ferrell)
 21700 PORTUGAL R Nac.; African Svc., 1100, (Ferrell) //21735
 21710 ENGLAND BBC; Rampisham to SEA, 1100(Ferrell)
 21720 PORTUGAL RFE; jammed, 1100, (Ferrell)
 21740 AUSTRALIA RA; 0200-0400 EE, nx, features, fair to good (Earhart 5-15, Cross)
 21745 USSR RM; listed as Amavir, good strength, 1100 (Ferrell)

Lots of reports for the higher frequencies this month. Thanks to all who contributed. See you in Columbus.

73

Jerry A. Lineback

CREDITS Thanks to some 76 reporters this month:

Kevin Atkins, Sfelby, AL/DX150B
 R.A. Bettenhausen, Rapid City, SD/GR78
 David Ball, Downsview, Ont/DX150A
 Sam Barto, Morris, CT/BC794
 Jeff Boulsby, Vancouver, BC/SP600
 Jim Brooker, Troy, MI
 Mark Brown, Minster, OH/DX150B
 Doug Burlew, York, PA/SX190
 Charles Brunner, Salford, PA/D7000Y
 Darrell Buxton, Widley Island, WA/SX190
 John Campbell, SCOTLAND
 Dick Clawson, Largo, FL
 John Creamer, Denver, CO/SW4A
 Hadley Cress, Harrisonburg, VA/SX190
 C.N. Davidson, Cedar Rapids, IA/
 Bill Davis, Laguna Niguel, CA/Homebrew
 Edward Day, Auburn, CA/SX190
 Dennis Dean, Dayton, OH/HQ180A
 Gerry Dexter, Lake Geneva, WI/HQ180/R4B
 Kenneth Earhart, Allentown, PA/SX190/DX150A
 Perry Ferrell, Park Ridge, NJ/Eddystone 830/7
 Marlin Field, Bantow Harbor, MI/SX100
 Henry Fino, Rochester, NY/1936 RCA Victor
 Tom Force, Farmingdale, NY/Globe Patrol
 Tom Gavaras, Wayzata, MN/HQ180
 Jeff Hambricht, Denville, NJ/SPR4
 Jim Hagen, Portsmouth, VA/R390
 Mike Hardester, Modesto, CA/XCR30
 Glenn Hauser, Stillwater, OK/HQ160
 Fred Heutte, Jr., Wash., DC/R390
 Bob Hill, Berkeley, CA/R390
 Jim Hill,
 Mark Hoppe, NY/AN/GRR-8
 David Hunt, Chippewa Falls, WI/SX190
 David Jones, ?/Collins 5181
 Jack R. Jones, Jackson, MS/DX150A
 Rick Keating, Allendale, NJ/Midland
 John Kolb, Poway, CA/SPR4/Swan 600-R
 Mac Leonhardt, Richmond, Ind/SB310/DX160
 Chris Loddell, Reading, Mass/SW4
 Ernst Lohe, W.GERMANY/R4B
 Barry Lovitz, Boston, Mass/
 R.A. MacLeod, Erie, PA/
 Alan Mayer, Park Forest, IL/SB310/DX150
 NCL73
 Jim Meehan, Berkeley, CA/SX190
 Al Miller, Youngstown, OH/HRO-500
 Gus Miller, Newark, CA/DX150A
 Morgan Monroe, Sandpoint, ID/HQ150
 Gilbert Morlan, San Diego, CA/DX160
 Serge Neumann, Muncie, Ind
 Tom Overcamp, Bladensburg, MD/NC98
 Bob Padula, AUSTRALIA/Marconi CR100
 Scott Parker, Muskegan, MI

Bill Paschke, Beloit, WI/SX190
 Ed Pyatt, Conway, SC/R390A
 Bill Quinn, Moira, NY/Telefunken
 George Rabone, Jackson Heights, NY/DX150A
 Greg Ravenhorst, Clarks Grove, MN/DX150A
 Scott Reeves, Laurel, MD/SX190
 Andrew Robins, Kalamazoo, MI/SP600/SX190
 Henry Rockwood, St. Clairsville, OH/
 Michael Ross, Ronkonkoma, NY/SX190
 George Schnabel, Rochester, NY/SW4
 Richard Schwartz, Dover, DE/SX190
 Bruce Seigle, Louisville, KY/SX190
 Doug Snyder, San Jose, CA/SPR4
 John Tuschcherer, Neenah, Wis/SPR4
 Steve Wallace, Lewiston, PA/DX150A
 Corky Webb, Dallas, TX/SPR4/R4B
 Art Weaver, Lincoln, Neb/Sony
 Solomon Wilson, Philadelphia, PA/SX190/DX150
 Charles Wooten, Bethesda, MD/Zeneth,R390
 Jerry Word, Atlanta, GA/DX150A
 Larry Yamron, Pittsburgh, PA/HQ180/SX190
 Bob Zilmer, Milwaukee, WI/SPR4

 That's a fine showing, but WHERE ARE THE REST OF YOU? 12% reporting is not very many, especially when we know that many are hearing DX, even this time of the year. If you find FRENDEX useful, then you should remember to send in a report when you have DX news and loggings!

RADIO ULAN BATOR TO BEGIN NA/EUR SERVICE

A last minute telephone call from Bill Matthews, former SWC editor, brings the good news that Radio Ulan Bator will begin a North American and European Service(s). This is according to a letter received from the Head of the English Service. At this time it is not known when the service will begin, nor the times or frequencies to be used.

 DXers seriously interested in working on the ANARC Frequency Recommendation Committee may get further information through the FRC Chairman, Charles Wooten, c/o NASWA.

REMEMBER THE COLUMBUS MEETING, July 19-21.
 Several surprises are in store! See you in Columbus!

FLASHSHEET

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

**** JULY 1974 ****

Freq: KHzTime: GMTAL HIBLACK, Editor, 420 Shelby Street, Vincennes, Ind. 47591 DEADLINES 10th & 20th Month

ANGOLA On 6/5, best day for Angola noted this year, R. Clube da Huila was logged on 3970, orchestral music, woman in FP, 2245 ID, to 2304*, poor lvl but in the clear...Have seen reported in FRENCH only once, Radio Clube de Malange, 4941, excellent signals under RTVI notched, music with annets in FP, ID 2308, AP, carrier on past 2315...Also Radio Eclesia with American marches, at 2304 annets by man, good to excellent lvl. (Credit all to Dan Robinson, Pa.) (NO fgy quote, presume 4985, Editor)

ALGERIA 15420, RFVA, 1901 EE, 1030-2400* in FP; a few days on 15455 instead. (Ernie Behr, CANADA)...UNIDENTIFIED On 15420 at 2100 to 2400 S/off, in FP, mostly music. Still not able to ID. (Bob Zilmer, Wisc.) (Bob, there is your answer, Editor)

AUSTRALIA 9580 RA, 1239, annoying that would stay on to NA until 11:00 AM American Eastern Time, for election coverage, this date. (Glenn Hauser, Okla.)

AUSTRIA 15335 ORF at 1830 in EE with a far signal. (Bob Zilmer)

BELGIUM RTB at 2255-2315 still using 11855 in EE to NA; however, at 0040-0100 they use 6055 instead. Both parallel 9655, some QRM. (Bob Zilmer)

BOLIVIA 9606.5 R. Pirai, 0015 SS talk, music, 0028 Vatican QRM, 5/22. Previously last heard in May 1970. (Ernie Behr) (Bob Hill informs that this one is being heard now in Calif., with super signals, Editor)...4875 La Cruz del Sur with semi-classical music 0115-0157, followed with ID by woman, ditto at 0200, by man anncr. Signal S-5 through QRM. (Hadley Cross, Va.)

BRAZIL 11904.2 Bob Hill, Cal., is reporting a FLASH on a seemingly new station in Brazil, still not sure of ID, FP, 0100-0300, when gets bad QRM from KGH. Nothing listed...15245 R. Nacional, 2100 EE, 2200 PP to 2231* a new sked. (Ernie Behr)...17815 R. Cultura de Sao Paulo, 2200 "Voz do Brasil", 2331 music and FP talk past 0015. (Ernie Behr)...Radio Nacional lately not heard at 1800, but on the 6/12th, at 2100 EE on 15245, fair lvl, but seems to have problems, as sometimes no signal; 15385, in FP at 0000. (August Balbi, Cal.)...11805 R. Globo, 0025, in FP talk, heard over Sweden, though actually poor lvl. (Bob Zilmer)...6095 0854-0858, Radio Tupi, in PP, ads, music, soon wiped out by heavy QRM. (Jack Jones, Miss.) (Listed here is R Difusoria Sao Paulo, Editor)...Definitely a Brazilian, logged 0200 in FP, though poor sigs, on 15330. Could this be Radio Gazeta in a move?? (Bob Zilmer)

CANADA 9480 RCI, 0600 EE and FF, //5925, to Canadian Forces in Europe; is regarded as pt-to-pt svc. (Ernie Behr)

CHINA (PR) RP at 1440 in CC, International at 1454, do not confuse with Pathet Lao, also listed here. (Bob Hill)...RP on 10246, 1415-1500 CC, //11290. (Bob Hill)

DOMINICAN REP 4850 New Radio Clarin was //9505 and 5050, 5/17, with election returns from Junta Central Electoral; suspect the 50Ew claimed on 11700 is actually used here! (Glenn Hauser)...5030 on 5/17 La Voz del Papagayo, was also noted at 0601 check, with election returns, also in // with 9505, and 4850. (Glenn Hauser)...9505 Dominican Rep's RTVD was probably the originator of election coverage, also noted 5/17, at 0604 from Junta Central Electoral. (Glenn Hauser)

EGYPT (AA REP) 9850 R. Cairo at 0315 with language and music, fair lvl. (Bob Zilmer)

GREECE 15345 R. Athens, 1600-1659*, Greek prgm, strong lvl via 100kWs. (Ernie Behr)...9690 VOA Kavala, 0330 EE ID, S/off, over RA, poor to fair lvl. (Bryan Cstock, Minn.)

HONDURAS (See June FS) Regarding station on 4820; the one using frequent cuckoo calls is definitely in Honduras, annoying as Radio Catolice, very irregular from 0455, many ads and mention of Tegucigalpa. The Venezuelan is Radio Tricolor on 4821, with music and IDs to 0400*, though annoying 5050. (Ernie Behr)

HUNGARY 11910 R. Budapest, 0015-0115, EE at 0100 and news, //9833. (Bob Zilmer)

ISRAEL IBA currently strong lvl 2000-2045, EE on new 15490//12025//9815. (August Balbi)

JAPAN 6155 FEM, 0955-1005, music, time pips, weather; first time that I have been able to identify. (Jack Jones)...15260 AT 1257 with a talk on saving gas in EE, pops 0615. This particular outlet list as only 1kW, parallels 11750. (Bob Hill)...NHK, 15300, at 1856 with IS, new fgy?? (Bob Hill) (Bob seems to me that NHK used this fgy several years ago, Editor)

KOREA (NO) 2600 Wonsan with woman in KK 1142, orchestral music and native music, //2670, 2750, 2775, 2850, with the latter the best and most readable lvl of all. Do not confuse with PIA which also uses 26001 (Bob Hill)

KOREA (S) RK on 11925//9640, strong lvl 1430 in EE news mailbag, on Mondays; at 1445 to 1500. (August Balbi)...RK, 11925, at 1100 in EE news, poor lvl sigs. (Bob Zilmer)

KUWAIT RK on 15415 with EE news at 1830, seldom audible due QRM from VOA. (August Balbi)

MAI (TENT) 11960 Possibly Bemako, 0600 Afro music, 0700 FF news, strong lvl 5/13, but no ID heard. (Ernie Behr)

MEXICO 15383.5 R. Mexico, 0100 SS prgm; //15125, 11770, 9705, all at strong lvl, but not daily. (Ernie Behr)

NIGER (TENT) 9705 Possibly Niamey, 0615 Afro music and singing to fade out, Sunday 6/9. Do they S/off befor 0700 now? (Ernie Behr)

MADAGASCAR 21480 RN Belay, 21480, with IS at 0758, S/cn 0800 with possibly Indonesian, v. weak lvl. (Bob Hill)

(Please Turn Over)

MALAYSIA 9740 HBCFES, Tebran, at 1030 in EE, lotsa old time records, fair lvl...15435 Also this outlet noted 0000 in EE, with world news, //15260, 6/6th. (Credit both to Bob Zilmer) ...6065 HBCFES observed in EE 1330; in language 1345, a new fgy. (August Balbi)

MEXICO 6185 XKICM has been renamed XEDFM, for Direccion General de Perfeccionamiento del Magisterio; also has a new address: Presidente Mazaryk 526, Mexico, DF. Nominal schedule is 2300-0300, sometimes later, an improvement DX wise. Has been inactive for about a year. This info via correspondent in Mexico. (Glenn Hauser)...9600 *1300 XETU has a choice of 1000 or 250 watts here, nominal sked is 1300-2300, via same informant. (Glenn Hauser)

NEW CALEDONIA R. Noumea, 11710, at 0800, in FF news, 6/9th. (Bob Zilmer)

PAPUA/EG 4890 Port Moresby 1000-1100, news, music, prguing in language, followed by EE, an EE ID, fair lvl. (Bryan Comstock)

PHILIPPINES FREB, 11920, noted at 1110 in EE with fair signals. (Bob Zilmer)

POLAND 15120 Polish Radio Warszawa at 0300 in EE to NA; gave fgy's, sked, news, followed with music, good level, //11810. 11815, 9675, 6135, and 6095; 11815 at 0315, poor lvl; and, 9675, 0315, poor lvl, with QRM de 9680. (Bob Zilmer)

SARAWAK 5005 (FLASH) Kuching noted in parallel with 4895, from 1300-1500 in lingo, several solid IDs, for this new fgy(5005); please note do not mistake Kuching here for Nepal, reported on nearby 5000A, all you people...7230 parallel for 5005 could not be found. (Bob Hill)

QATAR (FLASH) A second 250kW SW transmitter is to be used by Doha which will feed di-pole arrays to give coverage to the M.E., N. Africa, and Europe. The new equipment will be installed at the existing transmitter site. (SWDXERS)

SO AFRICA 7270 Radio RSA noted 2145 to 2150*. EE news, fgy quotes, and prgm schedule. (Bob Zilmer)

TAHITI 15170 R. Tahiti, 0222-0301, in FF and native, discotheque show, then / Zilmer) native island music, good listening lvl. (Jack Jones)

USA KGEI, San Francisco, testing on 15420, with 250kW, never quotes fgy. (August Balbi)

USSR 11770 Radio Vilnius, Lithuanian SSR, noted 0030-0100, on Sats and Sunda, in EE, as per this schedule. (Charles Brunner, Pa.)...12070 R. Vilnius observed 0030-0055, on Sunda, in EE news, commentary, and mailbag. Fair to good lvl. (Bryan Comstock)...15405 Radio Yerevan, Armenian SSR, noted 6/6th, with light opera type music, followed by local news in EE; at 0328 gave an EE ID. Semi-Polar flutter. Annot as 15400. (Hadley Cross, Va.) (To my knowledge, the USSR outlets round off their fgy quotes, always; Editor)

VENEZUELA 3215 Ondas Panamericanas noted 1008 in SS, LA music. (Jack Jones)

FOLLOWING ARE FLASHES FROM ROBERT VELTMETJER, Brazil: BRAZIL(BRASIL) 3245 Radio Clube de Conquista, Viteria da Conquista BA, has moved from 3395; S/off at 0200, still mentions 3395!!!...Radio Cultura da Bahia in Salvador BA, operates on 6155 with official power of 10kW...From the local press: O Estado de Sao Paulo - Jornal de Tarde of April 4, 1974: "Three more stations say good-bye to their listeners". These stations lost their licenses through legal procedure, which does not leave any chance of appeal. (Note) Some of the stations cancelled before, are still temporarily on the air under court order, pending the final decision of the Court of Appeal. Stations which lost their licenses are: 1200kHz Radios Emissores Piratininga, Sao Paulo, S.P.;...6025, 11745, Radios Emissores Piratininga. ...FM frequencies were not mentioned. Also cancelled were 3 other MW outlets operated by other firms...BOLIVIA 4495 Noted from May 4, 0300-0530, was Radio Cumbre in Taala(?) Rosario, Dept de Potosi. SS music, station annod end of series of test transmissions, and promised regular transmissions from May 6. Reception poor...PORTUGAL The first strike in many years in Portugal took place at Radio Renascenca, religious Catholic, in Lisbon, when the directors decided not to participate in the broadcast coverage of the arrival from exile of Mr. Alvaro Cunhal, Secretary General of the Portuguese Communist Party. (Thanks to Bob; and Cesar Obispo, Dominican Republic, for this info for the FS, Editor)

UNIDENTIFIED 2340M Station noted 1040-1134 in strange format, in language, did not sound like Pidgin, nor EE, though occasional EE words were audible. "Chimes" were played every 15 or so minutes. Also drums, sounding like hollow logs were heard. This time was past R. West New Britain's listed S/off time in WRTH. This on 6/3. (Mike Hardester, Cal.)...7048 Noted 1400-1415, with pop vocals, though super weak lvl...9510 on 6/15, sporting event, 1628, Indian type music, otherwise, sounded African...9615 One noted from 1710 tune with Indian type music, off 1715, some Polar flutter. (All the foregoing credit to Bob Hill)

VENEZUELA (TRVP) 4820 Seemingly a possible new station, with possible ID of, Radio Separate (??), from 0510 tuning, till 0545 tune out, good signal. noted with LA music and cuckoo calls, IDs, TCS, also general annots, some slogans. (Bill Hood, CANADA) (See HONDURAS, this issue of the FS, Editor)

MAY 1974: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 6-7-74:- 1-48, 2-70, 3-89, 4-103, 5-106, 6-113, 7-109, 8-106, 9-91, 10-69, 11-64, 12-56, 13-40, 14-35, 15-24, 16-16, 17-8, 18-0, 19-0, 20-0, 21-0, 22-7, 23-9, 24-7, 25-0, 26-20, 27-18, 28-32, 29-20, 30-0, 31-52. MEAN-42.3 PREDICTED: June-27 JULY-26 AUG-25 SEP-24 OCT-23 NOV-22 (Grady Ferguson, Charles Wooten mentions that he needs much more help from monitors for the / So. Car.)

ANARC FRBQ RECOMMENDATION COMMITTEE, especially from DXers on the WCHA, and Southern USA. If you think you are interest in this important project, please write Charles in care of NASWA, to be forwarded. This is an important part of the hobby. (Bob Zilmer)

Radio Nederland has sent direct to the Flashsheet a reminder in the way of a card memento, mentioning the World DX Handicapped Aid Campaign, and the bridge created by Louis Braille between the world and the sightless. In 1974, be a friend indeed and lend a helping hand to this project.

ACKNOWLEDGEMENT Vy 73 to all those who so kindly supplied material for this issue of the FS, please come back, YOUR HELP IS APPRECIATED. Phone flashes to 882-3976, before 2000 GMT. Till next time,

73 from

NASWA

BOX 8452

Sa Charleston, W. Va. 25303



NASWA dues are US\$10 per year. Airmail overseas is: Central America and Caribbean \$4; South America & Europe, \$5; Africa, Asia & Pacific \$6, in addition to the \$10 dues. The MIDMONTH FLASHSHEET is US\$2 in NA, US\$4 elsewhere (airmailed overseas).

FIRST CLASS MAIL

Notice of address change should indicate date membership expires (number of month beside your name in the address) as well as whether the change is for FRENEX only or for both FRENEX and the midmonth Flashsheet.