

# FRIENDS

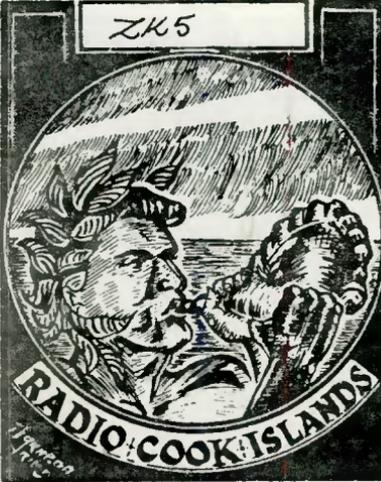
The SHORT WAVE BROADCAST Journal - Since 1962

## NORTH AMERICAN SHORTWAVE ASSOCIATION

Vol. XIII No. 1

January 1974

ZK5



(((C)(+)))

Acknowledging your receipt of our signals on 5045 k/cs, 60 m at 0044-0054 hrs. <sup>EST</sup> GMT. 26-4-62

STATION INFORMATION

Frequency 5045 14cs | | | |

On the air 0430 - 0745 kk

Transmitter 300 w

Antenna Four 1/2 waves in phase

Many Thanks for your Report

*P. Henderson*  
Station Manager.

(((C)(+)))

### NASWA COURTESY PROGRAM TO BE AIRED BY RADIO COOK ISLANDS

NASWA's Publicity Director, Hank Michalenka, sends word that this station will air a courtesy program for NASWA members, written by Hank, and produced by Ernst Lohs, on February 18, 1974, on 11760 kHz. Time will be either 1045, 1100 or 1130 GMT. Don't miss this opportunity to log and verify this most difficult to hear station! All reports should be sent to M. Drollet, General Manager, Radio Cook Islands, Box 98, Rarotonga, COOK ISLANDS....Reports will be checked carefully, and only those reports containing information sufficient to show that the broadcast was heard will be verified.

# LOUDENBOOMER

# LOUDENBOOMER

Well, they're at it again. Every year or so, it seems, someone makes a real effort to find out who Loudenboomer "really" is. Unfortunately, no matter how I try, I can't convince people that I'm really me.

Not long ago, a group of DXers met secretly in a locked motel room in Lexington, Ky., to jointly probe the mystery. That session, unbeknownst to the participants, was tape recorded and a transcript of the discussion has come into my possession -- don't ask me how!

Here are excerpts of that transcript. The participants will be identified here only by coded initials, however their identities are fully known to me. Though not a vindictive sort by nature, I have entered their names in by "book", however, and the can expect to hear from me at some future time.

AH - "We're here, men, to ferret out the identity of Loudenboomer. Any ideas?"

CJ - "Well he's an egotist, a know-it-all, that we can be sure of."

AH - "Yes, but who does that eliminate?"

JM - "Let's analyze some of his columns for clues. He's roasted a few club bigwigs, commented on some internal politics of certain clubs. He must be a member of NASWA, NNRC, NRC, IRCA and probably an officer in one or all of them. How else could he get that inside information?"

CJ - "Remember a certain editor in one of those clubs called Loudenboomer a big mouth. Do you suppose that certain editor really is Loudenboomer himself? It would be a perfect cover. Call your alter ego a name and nobody would ever suspect you are one and the same!"

AH - "Now, I say CL is from the west coast."

JM - "Why the west coast?"

AH - "Look, he was at the ANARC convention in San Diego, it is said. Maybe 90 percent of those at the convention were WC'ers, right? Then the odds are 9 to 1 that Loudenboomer is from the west coast. I'd guess California."

CJ - "Remember the column that parodied sub-audible heterodynes? I think he's a tech-whiz like whatshisname in NRC."

JM - "Uh-uh, he only thinks he knows electronics like that nut up in..."

AB - "But he ever alludes to any really hard-to-hear DX. He is probably someone who reads a lot of bulletins, but never listens. My guess is that he's frustrated because he can't hear the rare ones and he's just taking it out on the DX world!"

CJ - "Just some bitter old geezer, always a bad word about somebody."

JM - "Old? No he's got to be some smart-mouthed young kid, no respect for his elders, some free-speech, radical left-wing troublemaker. Scratch Loudenboomer and you'll find a pinko commsymp! Those longhaired kids are all like that!"

PR - "I've been listening to all your guesses, but I feel that it's all part of Loudenboomer's cover-up. Young, old, easterner or Californian, experienced or inexperienced, it's all part of his game plan. Keep 'em guessing. The only thing we can be sure of is that he's some kind of wierdo."

AH - "But that gets us right back to square one. Who does THAT eliminate?"

Well, gentle readers, that's enough of the transcript to give you an idea about the lengths to which some people will go to ferret out the Loudenboomer Connection.

And it's all so unnecessary. All you have to do is check the listings in the Charleston, West Virginia telephone directory under "L."



# SHORTWAVE CENTER



Edward C. Shaw  
NASWA - WD4E0V  
621 Burleigh Avenue  
Norfolk, Va. 23505 USA

## SHORT WAVE CENTER - 1974

Production of any section is a tough job. Unless the members of our organization care to share their experiences with other members, we cannot publish a worthwhile bulletin. NASWA is growing by leaps and bounds. We have doubled our size in approximately three years. By all rights it seems that contributed material to the various section editors would be doubled, too. But, this hasn't been the case. Support your club. Feed all of the information you have to the section editors. Your participation is appreciated. The Short Wave Center wants your contributions in the form of station features, humorous anecdotes, technical reviews. If you have trouble writing, we'll write it for you. But, share your information. Without your participation, any section would suffer.

This January 1974 issue of SWC is being prepared hastily since deadline for publication is drawing near. We sincerely hope that the articles selected for this initial attempt are interesting to all members. Association with NASWA is certainly no new experience for me although Short Wave Center is a major responsibility that I've never had before. In the fewest number of words I can manage, I can describe my DX experience as having begun sometime in my late teens, but was not pursued with earnest until 1965 when I was introduced to NASWA. Since that time I have tried to contribute when and where ever I could be of assistance in the interest of our club motto, Unity and Friendship. I am always interested in hearing from anyone associated with the DX hobby. At present, the number of countries logged from various locations in Virginia remains static at about 200 or so, and I have been very fortunate to have about 190 of these verified by QSL. My personal career in the Navy will terminate in about two more years, and I hope to retire to my home town in Lexington, Ky. with my very helpful wife, Bert, and our two sons. This has been a somewhat lengthy introduction in my opinion, and I promise no more.

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THE DXER'S NEW YEAR'S RESOLUTION: TO CONTRIBUTE TO ALL SECTIONS  
OF FRENDEX....AND TO PUBLICIZE NASWA AMONG HIS FRIENDS.

\*~\*~\*~\*~\*~\*

### GRACIAS, AMIGO, POR SU ASISTENCIA

What better way to start the new year than by resolving to help make the QSL response situation better? The following is an appropriate reprint from the December 1968 issue of FRENDEX, produced by the ANARC QSL Committee during the period when Richard Wood was editor of Short Wave Center. It's message is timeless and only a reminder that we sometimes have been a little less than appreciative. The article is presented in-part:

Inquiries conducted among Latin American broadcasters have shown that many are not interested in a one-time contact with a distant listener from whom they hear once, to whom they send a verification (or pennant, or other reply), and who then is never heard from again. This is why many Latin stations have stopped verifying after a short period.

If possible, the DXer should try to establish a more permanent relationship with the station which has replied to his initial letter. At the very least he should send a brief surface-mail postcard with a few polite words of thanks.

The following texts should be used creatively, not copied slavishly. The accents on 'senor' are very important.

"Estimado señor: (Dear sir)

"Estimado señores: (Dear sirs)

Muchas gracias por su amable contestación a mi reportaje de recepción y por su Many thanks for your kind reply to my reception report and for your confirmation de mi recepción. Espero poder continuar nuestro contacto (nuestra confirmation of my reception. I hope to be able to continue our contact (our amistad.) Más una vez, muchas gracias. Cordialmente, friendship.) Once again, many thanks. Yours sincerely.

(Always sign your name, not just type it)

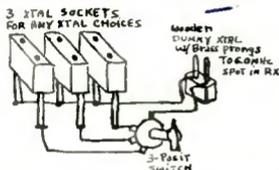
SW-4A CRYSTAL ADAPTER

by  
Ed Ricchezza & Gregg Calkin

Substituting crystals in a SW-4 series receiver is either an irksome or a clumsy operation; whether you work blindly without removing the receiver's cover, or whether you do remove the cover and have to unhook any external equipment. Gregg Calkin first described this compact 3-unit several years ago. He used three crystal sockets which came as one unit with a 3-position switch. The unit bolted neatly into place and fitted into a space on the rear of the SW-4 receiver. I decided to make such a unit using Gregg's description, but found that International Crystal Company of Oklahoma City no longer had these crystal sockets on the market. I tried many other sources in and out of Philadelphia, but to no avail - so, I decided to make my own.

All that is needed:

- 1 Bakelite or plastic case w/cover, approx 3x2x1 inches.  
(A mini-box at Radio Shack fills this need closely)
- 3 Crystal sockets (Ft-243) at most electronic stores
- 1 3-position switch w/knob  
Hook up wire



Owners of SW-4 series receivers will note that crystals in the 6.0 and 7.0 MHz sockets may be substituted with any other crystal between 4.5 and 9.5 MHz. Since I like 60 meters, I use a crystal to give me 4.5 to 5.0 kHz. Here's what I do:

Remove the 6.0 crystal from the receiver and put it in the crystal adapter I have made along with the crystal which gives me 60 meters (or any other crystal for that matter). The leads from the adapter unit are then inserted in the empty socket holes of the receiver where I removed a crystal from the 6.0 position. The wire leads will probably be too small to fit snugly, so my handy brother made a dummy wooden crystal wherein I affixed the leads from the adapter to prongs made from short brass picture frame nails with the heads cut off. Whenever the receiver's selector knob is set at the 6.0 position, I then further choose between three crystals using the selector switch on my adapter box. Dan Jamison could probably get a lot of good use from this set up.

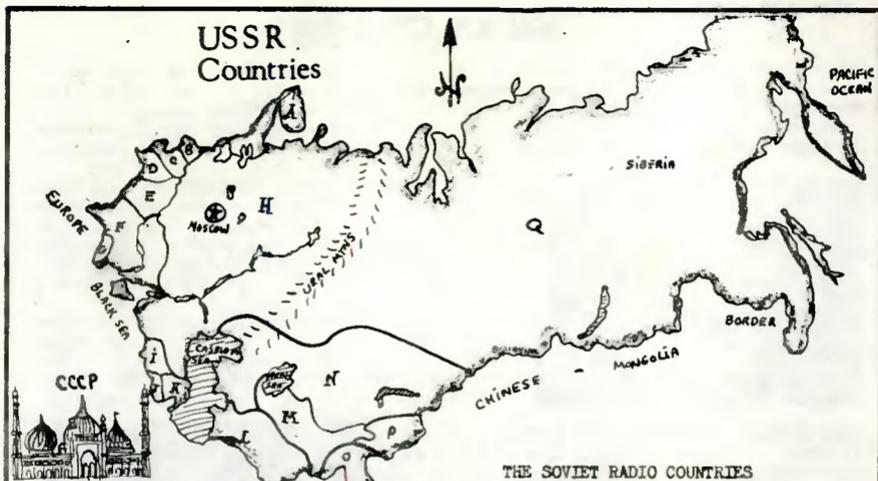
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Red Oak Mtn DX Lodge



## RETURN TO RED OAK

It was a failure! What a disappointment! We had such good hopes for the weekend, but doubt began to cloud my mind as fellow-ODDX member, Steve Estes, and I began the two mile ascent to the top of Red Oak Knob from the highway entrance. This was the last time we would be able to use the facility this season. There was some snow on the ground, and my car's tires weren't quite up to that kind of terrain. I felt that sickening feeling as the tires began to spin on a steep uphill grade. Just as we were about to back down the hill again, headlights showed up from behind. Hullooooo, Ferguson! What a welcome sight indeed. We transferred most essential gear to Ferguson's station wagon which had snow tires, and we attacked the last hill with determination. The coal we had brought gave a cheery warmth atop the knob as the night temperature plummeted below zero outside the cabin. Wind whipped in through every cranny around the windows and they had to be calked up with paper toweling twists and a screwdriver. (I wish Gregg Calkin had been with us). Wouldn't you know that we all were so exhausted that most of our time was spent catching up on lost sleep? The gas shortage, too, had awakened Ferguson to the fact that he would never make it back to Charleston, WV on his half a tank of gas. Filling stations were certain to be closed Sunday, and so we were obliged to leave the knob on Saturday - not even a full day after we arrived. Fortunately, it is only a 3-4 hour drive for Steve and I back to our homes. The only satisfactory catch we found was identifying one hitherto unidentified Latin on 3,280 kHz as La Voz del Napo in Ecuador. This one had not been reported in North America as far back as I can remember. I knew it was time to quit the mountain when Ferguson caught my attention and motioned for me to dial a certain frequency - it was an interval signal he'd never heard. Quickly spinning to the spot, I caught the familiar chimes.... of the BEC. Oh, well, we can't win them all. Our Expedition luck ran out. Shucks, beaten at last! Ed Shaw.



Surprising as it may seem, many NASWA members probably have heard more countries than they thought. Examination of NASWA's Country List Booklet (24 pgs, 25¢ from HQ) shows that the Soviet Union is divided up into seventeen separate "countries" for counting purposes. Further examination on any map, however, fails to reveal satisfactorily just where the little republics are.

The map above is a general guide to acquaint NASWA members with the location of the seventeen countries, and below is a listing of the stations being reported in FRENDEX. Anyone is likely to increase his country totals with the Soviet countries. The map starts with the Karelo-Finnish S.S.R. indicated with the letter A just under the USSR caption. The letters then proceed down along the left side and across the bottom. Note that Russia is in reality only one of the Soviet republics, albeit the largest and most commonly known. Since it is so big, NASWA has divided it into two parts: European and Asiatic. The dividing line is the Ural Mountain range.

Logging Soviet stations is one thing, but getting QSLs is another. In recent months, QSLs have been received from several of the republics. However, in the past many reporters got letters indicating QSLs could no longer be given out for home service stations. Even QSLs were difficult to come by for programs reported not intended for the USA, especially so if the report was not in the language of the program heard. Some DXers have accomplished the seeming impossible, but only after long waits and years of regular reporting to Soviet stations. Nevertheless, some QSLs for the countries listed are available. Try these: (UT=GMT)

A	KARELO-FINN SSR	Petrozovodsk	5065 // 4780	0200 UT	Strictly home service. No QSLs yet.
B	ESTONIAN SSR	Tallinn	6055	2200 UT	Moscow EE service to Europe. Easy.
C	LATVIAN SSR	Riga	12020	1900 UT	Moscow FF service to Europe. Nice.
D	LITHUANIA SSR	Vilnius	9745	2230 UT	Via Moscow xmtr. EE on Sat and Sun.
E	BYELORUSSIA SSR	Minsk	9655 // 7230	1530 UT	Moscow service to Europe.
F	UKRAINE SSR	Kiev	9685	0330 UT	EE to N. Am on Tu/Fri/Sun
G	MOLDAVIAN SSR	Kishinev	(No known SWBC outlet at present)		
H	EUROPEAN RUSSIA	Moscow	9660	0100 UT	EE to N. Am.
I	GEORGIAN SSR	Tbilisi	5040	0200 UT	Pretty IS. Difficult. RR Home Serv.
J	ARMENIAN SSR	Yerevan	7275	0600 UT	Armenian Home Service
K	AZERBAIDJAN SSR	Baku	9840	1300 UT	Farsi to Iran. To 1900 UT s/off.
L	TURKMEN SSR	Ashkhabad	4825	2130 UT	A winter catch. RR Home service.
M	UZBEK SSR	Tashkent	11920//15460	1200 UT	EE See to N. Am.
N	KAZHAK SSR	Alma-Ata	10530	2400 UT	Pretty IS. Long Anthem. Consistent.
O	TADZHIK	Dushanbe	7300	1800 UT	Farsi service to Iran. Weak.
P	KIRGHIZ SSR	Frunze	4008	2400 UT	Local home service. Difficult.
Q	ASIATIC RUSSIA	Kharbarovsk	12010	1430 UT	RR to Soviet Pacific fishing fleet.
		Blagoveshchensk	9580	0330 UT	EE to WCNA

Readers are advised that so-called R. Vilnius and other similar programs do not originate from Vilnius or whatever, but are only taped programs played over transmitters in Russia or elsewhere. Frequencies for stations in Lithuania and Byelorussia are not known with any degree of certainty and are only listed here as a convenience. Frequencies for the other republics are more accurate and recently reported, and are known to exist in the country concerned. The foregoing are only a few of the frequencies. Check Log pages for others.

# FRENDX FOTOS

Photographs can be very interesting, and some of these can be printed in FRENDX whenever there is extra room and the photographs meet the specifications we need. The foto must be in black and white with good contrast. Pictures of NASWA members at DX activities are ideal. We have had poor luck with color fotos, and small student fotos do not have the appeal we would like to see. No fotos can be returned as they are cropped.



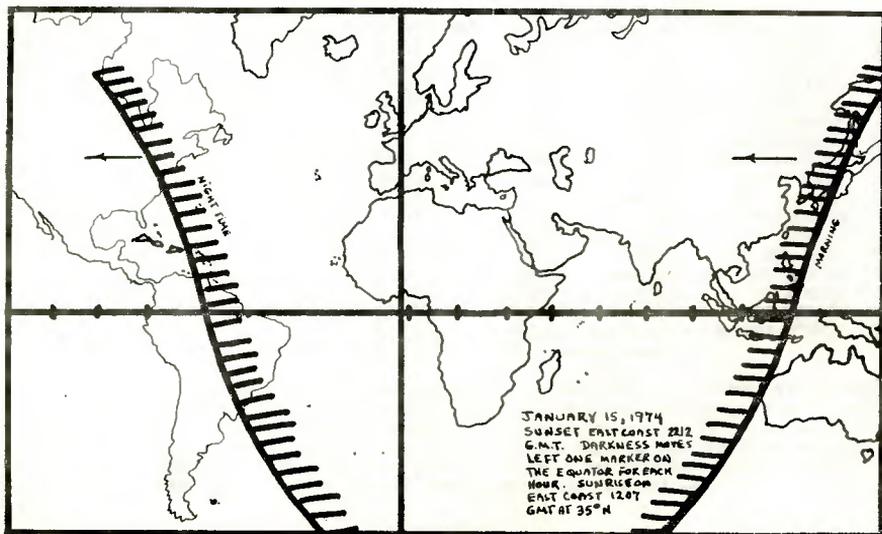
Seated beside their receivers here are Doug Burlew (left) and Steve Wallace. The receivers are an SX-190 and a DX-150A. The two formed a DX pseudonym for themselves called Crazy Country DX Association. At his home, Doug uses an 80' longwire about 15' off the ground, and Steve uses a 200' longwire, a 25' vertical and a couple of dipoles. Both are 16 and have mounted an impressive set of totals for themselves. Doug has logged 113 and varied 48 and Steve has 126/54. Fred Heutte, of NASWA's Log Report staff, will probably order two dozen prints of this picture. And, do I see some tuning oil?

Yes, Charlie, there is a Diane Lévesque, and she is living at Southern Illinois University. Diane is a heavy contributor to FRENDX - we have all enjoyed her illustrations throughout the bulletin. Diane started with her dad's fossil Stewart-Warner in 1969 to help her with school. She didn't even know how to spell DX, let alone do any. Now, Diane has accumulated a lot of electronics and theory, and is working on her FCC ticket. Her major in college?....yep, Radio & TV. Her present receiver is a Mullard portable Z-247. On the wall beside Diane we see some of her pennants and certificates.



Chuck Rippe doesn't have this set-up anymore - it has improved to a custom designed console consisting of his SX-190 receiver, a transmitter, and a big SP-600 he stole from a friend for \$50.00. The antenna farm includes several longwires and an inverted "Y" - all with leads coming in through a hole in his bedroom wall (hidden from discovery by his dad with a piece of furniture). Chuck co-edits a section in CIDD. On the wall behind Chuck we see a large collection of WDX swap cards and other pennants received from SWEC station. His favorite DX digging ground is Africa.

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## UNDERSTANDING YOUR S-METER, AND EVALUATING TRANSMISSION STRENGTH

by Edward C. Shaw

Without a doubt, the S-meter is perhaps one of the most misunderstood pieces of equipment associated with our hobby. This article is an attempt to explain just what the S-meter is and does.

To begin with, it may be best to explain briefly that the S-meter is a simple voltage meter which measures the output strength of the first IF transformer in a receiver. The stronger the signal, the higher the IF output voltage resulting in a greater needle deflection on the S-meter. The S-meter measures strength in decibels for a given signal input. Each S-unit is nominally double the value of the preceding unit. That is to say that an S-6 is twice as much as S-5, etc. The typical S-meter is usually marked off from S-1 to S-9 with graduations after that for 10, 20, 30 or more decibels above S-9. An S-meter gives only relative strength of stations heard. A reading of S-9 on one receiver may not be S-9 on another receiver- even using the same antenna. However, most S-meters can be adjusted, and it does seem feasible that all S-meters could be adjusted to the same standard. One prevalent standard among many professional manufacturers of communications equipments is to adjust the S-meter for a 60 microvolt signal coming out of the first IF stage. This would mean that an S-meter reading of S-8 would be 30 microvolts, an S-7 would be 15 microvolts, on down to S-1 which would indicate something less than 1/4 microvolt. Depending on the sophistication of the receiver concerned and its ability to give an appreciable signal-to-noise ratio, the S-meter needle may or may not ever register below S-3 or so due to the noise level itself keeping the needle deflected up that far. Only under controlled ideal conditions can the best receivers realize the manufacturer's claims of...i.e. 1/4 microvolt sensitivity. If 1/4 microvolt sensitivity were ever to be intelligible to you from the receiver speaker or headphones, the S-meter needle would not be deflected even to S-1, and the noise level would have to be very low indeed if not absolutely nil. A receiver's S-meter, adjusted as described above, would be doing very satisfactory to indicate 2 microvolts of signal with deviations of about S-3. The graduations between S-1 to S-9 and above may vary in accuracy from meter to meter.

In practical use of your S-meter to aid in adjudging a fairly reasonable SINPO Strength evaluation, the following guidelines are offered. They may or may not be accepted by radio station engineers and other DXers. Only the S in SINPO is considered here and one should not confuse it with QRM or QRN noise levels.



S-Meter



- S The best possible local quality strength.
- S The carrier wave alone of such a signal
- 5 will do much to suppress QRM or QRN. The S-meter reading is in excess of 20 db over S-9.
- S Strong signals between S-6 and +20 db. Voice and music comfortably readable. Slight QRM and/
- 4 or QRN may be present.
- S S-meter is S-4 to S-6 and music is readily identifiable. Voice clear enough to follow
- 3 the gist of what is being discussed (or would be if you could understand the language).
- S S-meter is S-2 to S-4. Familiar tunes are recognized with slight difficulty. Can still
- 2 differentiate between OM or YL announcers, and might be able to recognize language from its tone.
- S Cannot determine if OM or YL. Cannot recognize
- 1 tunes or recognize language. Meter less than S-2.

RADIO REPUBLIK INDONESIA -- UJUNG PANDANG  
SULAWESI

YDQ-4A  
5055 KHz

By Slamet Poedjono(Director)

YDQ-4B  
4720 KHz

Our station here at Ujungpandang is a Nusantara station, which is a second grade station after the Central station at Jakarta. There are 46 RRI stations throughout Indonesia, which are divided into three Nusantara districts under three stations. These are Nusantara I at Ujungpandang, Nusantara II at Yogyakarta, and Nusantara III at Medan. Our station, Nusantara I, has direct control over 23 other RRI stations in East Indonesia and Kalimantan. These are:

1. RRI Pontianak, RRI Bandjarmasin, RRI Palangkaraya, and RRI Samarinda in Kalimantan;
2. RRI Kendari, RRI Palu, RRI Gorontalo, and RRI Manado in Sulawesi;
3. RRI Ternate, RRI Ambon, and RRI Tual in the Moluccas;
4. RRI Kupang, RRI Mataram, RRI Denpasar, and RRI Singaraja in the Small Sunda Islands;
5. RRI Jayapura, RRI Biak, RRI Sorong, RRI Fak Fak, RRI Manokwari, RRI Merauke, RRI Wamena, and RRI Inarotali in West Irian.

Our Nusantara I station at Ujungpandang has 157 personnel divided into the following five departments:

- a. The Administrative Department
- b. The Broadcasting Department
- c. The News Department
- d. The Technical department
- e. The Public Relations Service Department

We use the following four transmitters for covering East Indonesia and Kalimantan:

- \* The Phillips 8FZ514 50 kilowatt Transmitter operating on 4720 or 5055 kHz linked with a Quadrant omnidirectional antenne at the hieght of 27 metres.
- \* The Gates HF-20B 20 kilowatt Transmitter operating on 4985 kHz linked with a two wire folded dipole antenna at a height of circa 20 metres.
- \* The TCA 1634-A 7,5 kilowatt Transmitter operating on 9550 kHz linked with a Delta-Match antenna at the height of 12 metres.
- \* The Point to Point Bandung 2 kilowatt Transmitter, for local transmissions operating on 2490 KHz linked with an omnidirectional converted "L" antenna.

Radio is a very efficient and Popular Mass communication medium here in Indonesia, for Indonesia is an archipelago consisting of more than 3,000 islands in an area as large as Europe with a population of 120 million people. The only medium to reach them is radio, and so the tasks of Radio republik Indonesia are mainly:

- \* to give sufficient informations about development programmes achieved by the Government for the benefit of the people.
- \* to give sufficient educational programmes to upgrade the general knowledge of the people.
- \* to entertain listeners with good and healthy music and songs.

The above tasks are reflected in our daily programmes which consist of National as well as Regional News Bulletins, Talks on developmental achievements, Religious talks, Mosque and Church services, Drama, Poetry, Women sessions, Children Programmes and Rural Broadcasting--an half an hour daily programme served for farmers in the rural areas, beside Indonesian and Western Music and songs.

Ujungpandang, the former Makassar is the Capital of South Sulawesi Province, the most developing city in East Indonesia. It is populated with approximately 600 thousand people and has a very beautiful harbour. Recently, South Sulawesi has attracted many tourists because of its traditional customs, and is looking forward to many more in the near future. We hope that you enjoy our radio programs and that you will continue to listen to our programmes.

From Dan Henderson, Laurel, Maryland



DEPARTEMEN PENERANGAN R.I.  
**DIREKTORAT RADIO**  
STUDIO : NUSANTARA I MAKASSAR  
UJUNG PANDANG

The word 'preselector' is technically a misnomer for Gilfer's PCIICX unit. It is, rather, a preamplifier coupled to an antenna tuner unit. The difference is that a preselector is very critically tuned for narrower segments of each band and contains a preamplifier as a part of its function. Gilfer's unit is a boon to the apartment dwelling DXer having limited space to erect an antenna. It should be used with a short antenna such as the Joystick.

Owners of the PM IICX unit expecting to use it with their existing longwire antennas will probably realize little advantage. Antenna tuning units cause random length antennas to resonate by "electrically" varying the length of the antenna. In practical sense this always means making a short antenna resonate for frequencies lower than it usually would. Gilfer's unit does just this, and then amplifies the signal before the receiver gets it.

The author had expected a true preselector, perhaps like the A-20 which Gilfer had sold previously, or the old DB-22 found only in surplus sales now. I had intended to use the unit with my existing longwire antennas. At first I was dismayed at gaining only subtle results - about 1 or 2 S-units at best. However, this is fine when one realizes that a gain of 2 S-units is about quadruple the microvolt input to the receiver. The best effect was noted on really weak catches, while stronger catches showed little improvement. This was using the unit with my longwire antenna as you should remember.

Then I recalled that GILFER had obtained these units from HAMGEAR, in the United Kingdom. They had designed and produced this preamplifier unit for use with a short antenna like the Joystick. In two shakes, I had my external antenna disconnected and substituted an indoor 6-foot length of wire draped over a curtain rod near the window. Voila!



At this writing, I have completed several tests of my three outdoor antenna compared with the preamplifier unit attached to the 6-foot indoor wire. In one case only was one of my outdoor antennas slightly better than the indoor wire/unit by about 10 db or so. In every other case the indoor wire and preamp unit produced an equal or superior gain level - at times as much as 3 S-units. A bonus noted was the considerably lower noise level while using the indoor antenna. This was due primarily to its

removal from closer proximity to outdoor noise sources such as utility lines, etc.

Gilfer claims a gain of at least 3 to 8 db, and this is technically correct; however, one should realize that the higher gain figures are arrived at by comparing the unit and proper short antenna against the short antenna used along. A long outdoor antenna will yield greater gain alone than will a short antenna, but the Gilfer PM-IICX unit will certainly cause the shorty to equal the longer antenna and perhaps out-perform it. And remember the lower noise level bonus. I tested the unit with the SX-190, SP-600, S-38C and Star Roamer.

If ever the answer to an apartment DXer's prayer was made - this is one. The \$50.00 is a bit on the steep side, but this is the price we pay for an imported item. For optimum results it is recommended that the Joystick be purchased along with the unit. The Joystick is a portable antenna reported on in the July FRENEX by Al Niblack.

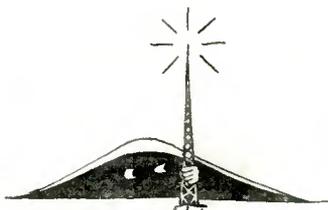
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ANARC NEWS  
ANARC NEWS  
ANARC NEWS

The ANARC NEWSLETTER is currently being published here in Charleston. In fairness to other clubs we will try to avoid noting items from an ANARC NEWSLETTER that has not been mailed in time for the other clubs to use the material the same month. However, there are a few things in the

December issue, just received here for publication, that need to be brought to the attention of as many DXers as possible, and we will note them now, rather than wait till next month....ANARC Executive Secretary Al Reynolds notes that he will be leaving the post next fall, and that consideration should be given now to the question of who should replace him, rather than wait till the last minute as is so often the case. Al says, "Those of you with concern for ANARC's future need to take stock, evaluate your available leadership in your own clubs and/or DX friends, and see to it that your ANARC representative puts in a nomination." NASWA's ANARC reps are Gerry Dexter, Rt. 1, Box 80-D, Lake Geneva, Wis., 53147, Ed Shaw, 621 Burleigh Ave., Norfolk, VA 23505, and Dan Ferguson, at the HDQ address....

ANARC needs someone to head up the Frequency Recommendation Committee. Would have to be someone with a bit of organisational ability, and able to write well-thought-out letter, using proper grammar, etc., to stations, and who has some fairly good equipment of his own, for checking available channels, etc. Contact one of your ANARC reps if you are interested.



# CLANDESTINE BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA, Tel. 215-KI5-7699

This month CB features politicized Soviet and U.S. clandestine radio operations, including the pseudo-clandestine North American "Radio Clandestine" which recently appeared on 6030 kHz.

However, we start off with a station of much interest now, "Radio Independent Spain", whose commentaries on the current anti-Franco violence are doubtless being followed closely by radio monitoring agencies throughout the world.

Although CB covered the recent history of Spain and the entire history of "Radio Independent Spain" in the June issue of FRENDX, the schedule was not entirely complete and we had not established the transmitter site for some of the lesser broadcasts. We now have the missing data and present the schedule in full.

## RADIO INDEPENDENT SPAIN

("Radio España Independiente")

As indicated last June, the main broadcasts of "Radio Independent Spain" emanate from Bucharest, Romania. Now, it appears the secondary broadcasts of this station emanate from Radio Sofia, Bulgaria, apparently over a transmitter of 50 kw. These transmissions are noted for 40 minutes per day, 6 days a week, on 15185 and 15365 kHz, and are often audible in North America (as RIS is via Romania, of course).

All RIS broadcasts continue to suffer from modestly-effective jamming by the Spanish authorities, although it has now been definitely established that the jammers are not located at Arganda, as was once thought.

The full schedule is:

\*0600-0655 7690v, 10110v, 12140v, 14482v kHz

\*\*1235-1255 Mon-Sat 15365 kHz

\*1300-1415 10110v, 12140v, 14482v, 15507v kHz (15450 kHz announced, not traced)

\*1600-2313 7690v, 10110v, 12140v, 14482v kHz (includes Catalan on Monday, Galician on Wednesday, and Basque on Friday at roughly 1900)

\*\*2005-2025 Mon-Sat 15185 kHz

\*via Bucharest, Romania \*\*via Radio Sofia, Bulgaria

Unless otherwise indicated, all broadcasts are daily and in Spanish.

For those who do not have a copy of the June FRENDX, the station verifies by a beautiful Picasso QSL card from Box 359, Prague 1, Czechoslovakia.

Thanks to Carol Feil and the BBC Monitoring Service, along with two very helpful gentlemen who must remain nameless, for providing the above information!

## BLACK SOUL RADIO IRKS KREMLIN

by Murray Seeger

(Moscow, 1973, The Los Angeles Times) Strange things can be heard crackling over the Soviet airwaves these days -- not from the hated foreign broadcasts, but from such stations as Radio Demon, the Diamond, Dragon, Ninotchka, Black Soul, Sea Devil and Tempest.

They are all illegally operated inside the Soviet Union -- mostly by young radio enthusiasts -- and the Government is taking ever more serious measures to stamp them out. However, with all of the modern electronic means of tracking down the private shortwave and ultra-shortwave broadcasts, the authorities have found that as soon as one is silenced another pops up.

The official reason for the crackdown, according to the Government-controlled press, is

that the radio hobbyists persistently broadcast on channels reserved for official use.

But the fact that the term applied to these illicit operators is "radio hooligans" indicates an even more serious official displeasure over the political jokes criticizing the regime, the distribution of information offending the Government and the Communist Party and the playing of rock music, which is regarded by the authorities as "degenerate" and "decadent bourgeois culture".

Moreover, since such radio equipment is not generally available in Soviet shops, most of it used by the illicit operators has to be stolen from schools, factories and even public telephone booths.

Backing up the Government's contention that the broadcasts can have harmful results are published charges that they have interfered with airport ground-to-air navigational signals, disrupted vital railroad traffic information and horned in on Radio Moscow's shortwave broadcasts.

The phenomenon is widespread throughout the country with the most frequent complaints of illicit activity coming from Moscow, the Central Volga area and the southern Caucasian Republics.

In one industrial area a total of 115 illegal broadcasts were heard in one five-hour period.

"It is still not quite clear to me," a correspondent in the Abkhazian Autonomous Republic of northwest Georgia recently wrote in the newspaper Socialist Industry. "Can't the authorities do something against the activities of radio hooligans whose number is catastrophically increasing?"

The hobbyists themselves claim they experiment and take big legal risks because there are few opportunities for them to learn shortwave radio operation through legitimate channels and because they are bored with the output of the Government's stations.

"Tell me," a young operator wrote the newspaper Sovietsky Patriot. "where can we conscientious radio hooligans operate? We do have one club but that is only a name. It meets only once a month, if that. And if any of the boys of 15 to 18 gets permission to work on shortwave or ultra-shortwave it is regarded as something of a wonder. There is absolutely no chance to acquire proper radio habits. And for this reason the boys do things they shouldn't just out of boredom."

Official shortwave clubs and the operators belonging to the Voluntary Society for Assistance to the Army, Aviation, and Navy can have channels assigned to them, but most of the illegal broadcasters wander all over the shortwave bands.

"We discovered broadcasts by the so-called Radio Center recently," a policeman reported. "The man was using a wavelength belonging to a control service of a railroad terminal. Urgent information on the condition of the tracks, the time of arrivals and departures, were pressed out of the air by silly anecdotes, jazz music and indecent stories."

In Baku, on the Caspian Sea, the Parasite and the Black Cat were shut down after being accused of preventing the talking down of a crippled airliner and interfering with an emergency message from a doctor to a first-aid crew on an offshore oil rig.

\* \* \*

A few comments from CB. First, it is peculiar that virtually no reports exist in the West of such stations being logged. If, in fact, they are usually on shortwave, they ought to be at least irregularly audible in parts of Europe and elsewhere. Possibly they are not making so much use of shortwave as the article implies, but it may also be that DXers have tended to assume that these stations are simply utilities or part of the Majak Network of Radio Moscow's Home Service. In any case, pirate and clandestine radio aficionados ought to be on the alert for signs of this activity...a new and potentially challenging aspect of DXing.

As for the observations of official Soviet newspapers, one ought to keep in mind the Soviet dogma that insists idle hands are the (capitalist's) devil's playground. It seems unlikely that boredom is the main *raison d'être* behind these stations; bored youths in the West rarely take to the airwaves thusly in such large numbers. Too, the high-sounding allegations that these stations are a risk to the safety and welfare of others is an old pleasant-sounding saw used by nearly every authority trying to silence pirate radio activity...even the responsible British Broadcasting Corporation exhumed this excuse in order to pressure the Dutch authorities into closing down the harmless World Music Radio.

Thanks to our old friend and longtime contributor to the hobby, Al Sizer, for passing this story on to us.

#### "RADIO CLANDESTINE" LAMPOON STATION APPEARS IN EASTERN NORTH AMERICA

On Saturday, December 15, 1973, Richie Koret of Rochester, New York, was tuning in on the 49 meter band around 1800 and came across a station calling itself "Radio Clandestine" on 6030 kHz. He called his neighbor, George Schnabel, who let us in on the catch... a technically-competent hobby-pirate operation clearly audible in upstate New York and Philadelphia.

At one point the station IDed as, "This is Radio Clandestine. We are broadcasting from on board a ship somewhere off the North American coast. Our purpose is to provide irrelevant commentary on today's contemporary social institutions. We welcome your comments and suggestions. Please (?) SINPO Code Foreman, Radio Clandestine, Box 100, New York City, New York. We will take care of the rest."

Programming consisted of anti-Nixon spoofs lifted from commercial recordings, plus rock music, a neo-Fugs song apparently entitled "It Can't Happen Here", and a supposed playback of a sermon by Billy Graham. The host was the erstwhile "R.F. Burns", likely the cousin of our old friend R.F. Fields, although later the host changed to Dick Nixon, MCing the "Dick Nixon Show" over "WMIX".

At 1930 the station signed off and has not been noted since.

Astute mariners insist the S.S. Radio Clandestine is actually landlocked well inland.

Reception tended to be fair-to-good in the Northeast, being strong but suffering from adjacent and co-channel QRM, plus fading. Modulation and frequency standards were of professional quality, but the program tape tended to suffer from wow towards the end.

Old timers will doubtless recall the famous "Radio Free Harlem", another hoax station (1 kw) which announced a fictitious New York City P.O. Box number. Nevertheless, the culprits are unrelated.

#### ANARCHISTS OF THE WORLD, UNITE!

While we are on the subject of pirates-cum-clandestines, it seems appropriate to pass on a tip from our roving sleuth, John Campbell. He writes, in a letter dated December 2, "On the pirate front, the best news is that Gnomes of Ulster are threatening to start up again. There is some continuity with the old gnomes, but this operation will be under new management, and it must have picked up a completely new transmitter. All I know is what I was told by a Graham-Greene-type figure in a radical Hungarian restaurant in Lower Baggot Street, Dublin 2. Frequency is 6285 kHz and tests are planned for Fridays (which Fridays, I don't know), 2200-2400. Location is likewise unknown. I'm told that a mailing address will be broadcast during the tests."

As readers of the 7th Edition of How to Listen to the World know, Gnomes of Ulster is the erratic operation of a group (?) of Irish anarchists. If the above prediction comes about as indicated, it might be audible in North America on good nights and represent a unique chance to snare Ireland on SWBC.

#### MORE ON AFRICAN LIBERATION RADIO OPERATIONS

Recently, North America's DX Laureate, Don Jensen, provided CB with a private list of African liberation organizations and how they could be reached. We took the bait and the first results appeared last month with the writeup on the PAIGC's "Radio Liberation".

Now, we have also heard from Sr. Jorge Rebelo of the Mozambique Liberation Front (Frelimo), who has given us some details on their operation and those of certain allied groups.

MOZAMBIQUE HOUR: Program of Frelimo, which opposes the Portuguese rule in Mozambique. It transmits daily in Portuguese, Nyanja, Makonde, Ronga and Ndwu via the facilities of Radio Tanzania and Radio Zambia.

1615-1715 7220, 9580 kHz via Radio Zambia  
1830-1915 15435 kHz via Radio Tanzania

The verification policy has not yet been established, but you can write Sr. Jorge Rebelo in English at Secretary for Information, Frente de Libertação de Moçambique (Frelimo), P.O. Box 15274, 201 Nkrumah Street, Dar es Salaam, Tanzania, preferably including 3 IRCs for return air mail postage. Cable: FRELIMO DARESSALAAM. Publications include Mozambique Revolution from Dar es Salaam; Mozambique Will Win from Committee for a Free Mozambique, 616 W. 116th Street, New York NY USA.

PAC PROGRAMME: Program of the Pan-African Congress (PAC), transmitted via the facilities of Radio Tanzania in the languages listed below, plus Afrikaans.

1915-1930 Sunday & Tuesday in English 15435 kHz  
1915-1930 Thursday in Nguni 15435 kHz  
1915-1930 Saturday in Sotho 15435 kHz

Additionally, programs of Radio Tanzania likely produced in cooperation with the PAC are: "Inside South Africa":

0415-0430 Thursday in English 1025, 6105 kHz  
1730-1745 Friday in English 1025, 4785, 6105, 15435 kHz

"The South African Scene":

0515-0530 Monday in English 6105 kHz

"The South African Press"

0515-0530 Friday in English 6105 kHz

The verification policy of the PAC has not yet been established, but you can try writing in English to the Pan-African Congress, Dar es Salaam, Tanzania, enclosing 3 IRCs for return air mail postage.

#### OUR RADIO... FOLLOW UP

In the October, 1973, issue of CB we presented the complete details on the pro-Communist Turkish language clandestine, "Our Radio" ("Bizim Radyo"). Since then a friendly CB investigator poked about the German Democratic Republic trying to locate the towers of the station. Finally, on a dark and rainy night, the masts were discovered at Schwerin. The signal was so strong there that it overloaded our colleague's unsocialistic Barlow-Wadley portable "from one end of the dial to the other with 'Bursai Bizim Radyo'".

# LOG REPORT

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

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

- 2300 N.KOREA relay of Pyong. HS in KK hrd poorly most mrgns 1430 t/i to 1500-30 f/o, mx fr. 1430-1500, KK at 1500 // 2605, 2850 (Davis)
- 2360 GUATEMALA R.Maya 1115-1135 LA mx, ID's, hymns (ODDX, M.A.D., Tuchscherer)
- 3200 CHINA (PR) 1055-1119 CC tx, oriental mx, YL tx (Miller, CCDXA)
- 3204 NIGERIA NBC Ibadan 2215-2225 w/lcl nx, EE 11/24 (Mayer)
- 3210 ECUADOR R.Cosmopolita ID 2335 (Schnabel)
- 3215 VENEZ. Ondas Panamericanas w/futebol 2337 (Schnabel)
- 3225 VENEZ. R.Occidente 2338, 0110-0115 LA mx (Schnabel, Tuchscherer)
- 3240 PERU R.America 2315-2335 t/o 11/7 LA mx, jazz-pops (Tuchscherer)
- 3245 VENEZ. R.Libertad 2341, 0159\* SS (Schwartz, Schnabel)
- 3250 S.AFRICA RSA 0005-0400 tx in Afrik., AN svc. 11/25 (CCDXA, Robins, Lineback, M.A.D.)
- 3255 VENEZ. R.Tigre 2235-0245 t/o SS 11/10 (Tuchscherer, M.A.D., Zilmer)
- 3255t LIBERIA ELWA vy weak u/UTE w/drumming 2225-2230 11/24 (Burlaw)
- 3260 ECUADOR Voz del Rio Carrizal 0250-0303\* SS on 11/7 LA mx, anns., now ID as "R.Carrizal" (Tuchscherer)
- 3260 NIGER ORTN FF 2200-2220 Afr & accordian mx, ID-2200 11/24 (CCDXA, Mayer)
- 3265 UNID 0915-0933 f/o EE tx by OM, hindi style mx, sounds like Guyana maybe R.Demerara reactivated 11/24 (CCDXA)
- 3275 VENEZ. R.Mara 0315-0330 SS (A.Smith)
- 3290 GUYANA Action R. 0300-0915 lcl, rock mx, (CCDXA, Schwartz, Price, Tuchscherer, Zilmer, M.A.D.)
- 3295 VENEZ. R.Trujillo 1056 SS, bombastic ads, LA mx (Miller) 0235-0259\* SS 11/11 w/mx to NA\* (Tuchscherer)
- 3300 GUATEMALA TGNA 0240 EE rel.px, 0245-ID (Atkins)
- 3300 WINDWARD ISLDS R.Grenada 2230-0120\*, 0245\* EE, BBC nx-0200 (Atkins, Burlaw, Schnabel, Schwartz)
- 3307 RHODESIA RBC w/OM in EE? fair but much QSB & general noise 0350 11/8 (Dexter)
- 3311 BRAZIL 2347 OM in PP w/ "para a Brazil" (Schnabel)
- 3315 BRAZIL R.Gazeta de Algoas PP tx, Braz. mx, def. PP ID 0300 11/25 (CCDXA)
- 3315t MARTINIQUE 2300-2345 FF OM tx, mx (A.Smith, Wallace)
- 3316 SIERRA LEONE SLBS 2230-40, vern tx by m&w then march song & EE ID by OM 11/24 (CCDXA) 0620 rel.svc EE/vern, 0628 ID, TC, "stay tuned for BBC nx at " 0630-ID (M.A.D.)
- 3322.5 PAPUA/N.G. R.Bougainville 1210, 1245 Pid. lcl mx, anns (Miller, Cwikla)
- 3323 ECUADOR Ondas Quevedenas 0348-0402 SS w/ecuad.mx, both instr.& vocal 11/4 RTTY (Patterson)
- 3325 GUATEMALA R.Maya 1000-1131 SS //2360 slight het & CHU splatter 1130 ID & fgy, anns (A.Smith, M.A.D.)
- 3325t VENEZ. R.Barcelona 0822-0845 lcl & LA mx, pops, 0830-ID, gud till Fr.Guiana f/o 11/24 (CCDXA)
- 3335 PAPUA/N.G. R.Wewak 1138 EE/Pid. 11/22 (Cwikla)
- 3345 BRAZIL R.Avorada 0050-0200\* PP 12/3 LA mx, ID's, no NA (Tuch'er)
- 3345 ANGOLA R.Clube do Huambo 2255 PP tx, 2303\* w/NA (Cwikla)
- 3346 ZAMBIA ZBC 0345-0400 lcl mx, vern.tx, EE ID 0355 (Dexter, Mayer)
- 3350 GHANA RG 2200-2259, 2200 nx in lang. (Ball, Burlaw)
- 3355 N.Caledonia ORTF 1047-1102\* FF, lt mx. 1100-ID, off w/NA (Cwikla)
- 3355 VENEZ. R.Valencia 0015-0335 LA mx, nx, TC, ID, UTE 11/11 only (Tuchscherer, Estes)
- 3360 GUATEMALA LV de Nahuala 0130-0433\*, 1105-1141 SS, ID, fgy, anns, LA mx, (Schwartz, Whitehead, Zilmer, Burew, Atkins, M.A.D. Miller)
- 3365 DOM.REP. R.Exitos 0300 SS mx w/OM ID (A.Smith)
- 3366 GHANA 2129-2135 lang. Afr. mx, 2300 rel tx (Lineback, Burlaw)

- 3375 ANGOLA Em.Of. Luanda noted 0155-0200\* PP s/off anns. 0200 after "A Potugesa" (M.A.D.)
- 3380 GUATEMALA R.Chortis 0055 SS 12/1 w/mx (Schnabel, Zilmer)
- 3385 PAPUA/N.G. R.Rabaul 1130-1400 Pid/EE choral rel.mx (M.A.D. Cwikla, Tuchscherer,Patterson)
- 3385 Fr.Guilana ORTF FF nx 0100 ID by OM in FF 0105, also 2310 FF tx (A.Smith,CCDXA)
- 3390 ECUADOR R.Zaracay 0316-0334, 1040-1105 SS, ecuad.mx, (Cwikla, MAD, CCDXA,Patterson)
- 3395 VENEZ. R.Universidad 0345-0355\* SS tx, NA at s/off (CCDXA) 0449 w/cont. LA mx (Miller)
- 3400 CHINA PR Fukien Front 1045-1055 CC // none , tx by YL, some mx, (CCDXA,MAD)
- 3450t CHINA PR UNIV sta. W/CC tx 1100-1109 vy,vy weak 11/25 (Burlaw)
- 3520 GALAPAGOS LV de 0243-0300 deep in QRN (A.Smith)
- 3668 TIMOR R.Dili Em.Reg. 1040-1330 US c&w mx, PP ID 1251, organ mx, PP anns, Port. & multi lang pops (ODDX,Corson,Shaw,Mayer,Miller)
- 3910 JAPAN REN Tokyo 1053 EE pops, 1st time this season (Shaw)
- 3945 NEW HEBRIDES R.Vila 0820-0909\* FF tx & mx, abrupt off w/no NA island mx (Bowlby,Behr,Roberts)
- 3985 SWITZ,SBC Eur.Svc. 0557 IS,ID in lang, nx-0600(Perdue) 0710 w/ Swiss Merry go Round in EE for Eur. // 's in REH not hrd (ODDX)
- 3985 ECUADOR Radiofonicas Pop. 1035 ex.sig. but noise, OM host gives ID w/echo chamber (ODDX)
- 3995 SOLOMONS ISLDS 1000-1055 BBC Sherlock Holmes px-1000, RA mx 1100 (Cwikla,Robins) 1118\* GSTQ (ODDX)
- 3995 USSR Soviet Asian QTH unknown, usually fair sig. fr. 1430 t/i to 1515-30 f/o all RR (Davis)
- 3999t GREENLAND Gronlands R. 1015 this is tent. but strongly suspect weak OM & YL w/quiet mx is Greenland. One of the most rare in NA, list 1 kw. (ODDX) 1045 can't hear s/on but is aud. 15+ min. (Shaw) 1050-1100 KMAS morn. 12/25 w/soft mx and barely aud. tx, vy low lvl, killed by ARO's 1100 (Straus)
- 4040 USSR Asiatic Vladiv (FIRS) Magadan (BBCMS)-1220, majak IS oriental mx, fair (Shaw)
- 4068 INNER MONGOLIA Huchot hrd mornings fr. 1420t/i to 1445-1455\*, px noted are Asian mx & lcl lang. (Davis)
- 4485 USSR Petropavlovsk hrd 0430f/i, still on f/o next morn 1630-1700 all RR reg,Soviet Far East HS (Davis)
- 4565 UNID Soviet 0505 BBCMS has noted Guryev in the past on this fgy all RR (ODDX)
- 4620 CHINA PR Peking for. svc. CC 1420-1455\* w/orch. mx, NA (Davis)
- 4679v ECUADOR R.Nac Espejo 0305-0532 SS, LA mx, ads, (Day,Miller,Wallace, Guarducci)
- 4690 SS number sta. to 0015\* YL w/.5 digit groups (Leonhardt)
- 4719 INDON. RRI Padang 1245-1535 OM tx in Indo. lt EE pop mx, 1300-ID (Bowlby,Tuchscherer,MAD,Hardester)
- 4725t BURMA BBS 1145 YL/OM hasting variety mx, superb! better than 5045 ever was (Shaw)
- 4733 AZAD Kashmir 1550-1625\* some nat'l mx, lang, ID-1553, 6 pips 1559, EE-R.Pakistan ID & mx, commentary, gud. sig. 11/24, made nice tape (Williams)
- 4751 ZAIRE Lumbumbashi 2006 w/OM in FF (Henderson)
- 4755 COLOMBIA Em.Nuevo Mundo 0605-0627 MoR mx, LA mx, SS, het (Day)
- 4765 INDON. RRI Medan 1130 Indo. hrd also at 1400\* (Bowlby)
- 4765 CONGO RTVC 2007-2200, 0431 FF, Afr.mx. (Henderson, Miller, CCDXA; Corson,Field)
- 4770 VENEZ. R.Bolovar 0315-0412 SS, LA mx, ads (Price,Day)
- 4770 LIBERIA ELWA 2008-2200 EE rel. px. 2200 nx (CCDXA,Field,Leonhardt, Henderson)
- 4777 GABON Libreville 2009-2245 FF, Afr. mx, RTTY (Lineback,Corson, CCDXA,Henderson)
- 4780 HONDURAS R.Juticalpa 1204 SS ID & LA mx (Miller)
- 4780 USSR Petrozavodsk 1255 OM/YL in RR, pips, & "Govorit\_\_\_" 11/27 (Dexter) 0505 lcl ID, own RR pgm & mx to 0544, weaker on 7/5065 both hrd 11/29 (Behr)
- 4780t AFAR & ISSAS ORTF 2045 poor, FF & AA mx & class. mx (Shaw)
- 4780-3 MALI Bamako 2010-2209 AA/FF tx(Leonhardt,Lineback,Henderson) 0558-0610 11/28 FF, IS, NA, FF ID, pgm summ. into Afr. mx (Roberts)
- 4785 USSR R.Baku 2010-2159\* RR, ID 2114 (Henderson, CCDXA) 0430 lcl mx, & tx 0448 RM HS (Behr)
- 4785-7 DOM.REP. Onda Musical 2210-0505\* also 1200, SS , LA mx (Estes, Miller,Lineback,Behr,Leonhardt)
- 4786-7 COLOMBIA Ecos del Combeima 0010-0116, 0515 -0700 LA mx (Behr,Leonhardt)

- 4788-90 This month, instead of listing all the conflicting reports of Turks & RSA we'll try to straighten this mess out. Turk is on 4788 and does not vary, whereas RSA seems to be varying bet. 4788-90. On the East Coast f/i times for both stas. are the same, about 2100. Turk is mostly music, with many US soul pops, the announcements are few and far between, if any, and the news broadcasts are AFRIS and VOA, all in EE. Turk leaves the air abruptly, usually not before 2200 and is usually not on past 2245. I have reports here of "Turks" at 0130 and 0300, which as far as I know would be impossible. So as a rule of thumb, if it is after 2300 the EE sta. around 4788-90 is most likely RSA, w/pop mx, ads in EE and Afrikkans and a generally commercial type pgm. Before reporting either of these stas. it would be a good idea to listen to the other SABC outlets to get an idea of the px. Turk Is. is there for hurricane notices and news reports, basically. It is owned by Cable & Wireless Ltd. which operated other utility stas. in the Caribbean.--ed.
- 4789t VENEZ. Ondas Fortenas 2240-2255 SS, LA mx, UTE (Perdue)
- 4791 PERU R.Atlantida 0540-0601\* SS, LA mx to NA\* (Tuchscherer)
- 4794-5 ANGOLA R.Comm. 2013-2145 pop mx, PP, ID's (Leonhardt,Henderson)
- 4795 ECUADOR LV de los Caras 0400 trop. mx,SS anns to 0523\* (Behr)
- 4795 BRAZIL R.Congonas 2105-2135t/o PP 11/27 pop mx, OM tx (Tuch'er)
- 4800 CHINA PR 1600 CC tx, mx (Bowsby)
- 4800 INDIA AIR Hyderabad 1530-35t/o EE, AIR ID 1530, EE nx by OM, hrd u7CC on fgy. vy poor (Williams)
- 4805 BRAZIL R.dif Amazonas 0145,0400 PP anns, mx, ads, ID's, echo chamber (Robins,Day)
- 4810 VENEZ. R.Popular 2250,0350,1135-45, LA mx, ID & TC (Wallace, MAD,Miller,Robins)
- 4815 UPPER VOLIA RVV 2014,0608-0701 FF tx, pop mx, FF nx-0630 " Ici Ouagadougou" (CCDXA,Roberts,Corson,Henderson)
- 4820v VENEZ. new sta. R. Catorce? 1100 mx, SS, ads & cuckoo calls, 0300 mx, ID to 0400\* announcing 5050 but ID not clear (Behr)
- 4820 GAMBIA RG 0645-0700 AA Koran chants, 0658-ID, 0700-BBC nx (Roberts, CCDXA)
- 4820 HONDURAS HRVC 0403 EE rel px (Wallace)
- 4823 ECUADOR Luz y Vida 0325-0350 SS, ID, mx (Lineback) to 0435\* (Behr)
- 4823 ECUADOR Paz y Bien 0300-0320 SS, sht nx 0300, Ecuad. mx, w/mo anns to 0317 then several ID's (MAD)
- 4825 USSR reported as A)Ashkabad, B) Khabarovsk, C) Turkmen,at 2200, 2150, and 2100 respectively. All in RR (CCDXA,Henderson,Tuch'er, Dexter,Mayer)
- 4830nf S.AFRICA SABC AN svc. ex-4965 reported by (Padula,Lineback,Behr, Schwartz,Burlew,Williams,Henderson,Leonhardt,Goldman)
- 4832 COSTA RICA R.Capital SS, ID, LA mx, 0300-0510(Schwartz,Brown)
- 4835 INDON. Sarawak \*1000-1500\* Malay (Bowsby)
- 4839 ZAIRE R.Bukavu 2017,0415-25, lcl mx, FF tx, UTE (Henderson,Mayer)
- 4840 VENEZ. R.Valera 0355 SS tx, LA mx, ID (Wallace)
- 4840t CHINA PLA list 1300 CC singing, hets Ambon to the latters s/off 1400\* then is clear (Bowsby) 1220 (Robins)
- 4840 INDON. RRI-Ambon 1200-1400\* Indon. daily (Bowsby)
- 4845 BOTSWANA 0400-0408, 0400-NA,0402-EE ID, rel pgm (wallace, Behr, Burlew) 2200 (Straus)
- 4845 COLOMBIA R.Bucaramanga 2255-0430 SS, LA mx, noted w/0403\* (Perdue Wallace,Miller,Lineback,Robins,Tuchscherer,Leonhardt)
- 4845t MALAYSIA RM 1315-1400\* lang. US pops 12/2 (Leonhardt)
- 4850 ANGOLA R.Clube do Vice, Carmona PP anns, hit native mx, very unusual nx, chants, ID-2206, Carmona is a smalltown 160 miles NE of Luanda (Schnabel)
- 4850t CHINA PR 2240-2320t/o CC tx w/lcl mx, 2300-TC 11/27 (tuchscherer)
- 4850 MAURETANIA 2016-2219\*, 0700-0800 AA chants, FF anns, native mx (Corson,Roberts,Wallace,Henderson,Leonhardt)
- 4855 INDON. RRI-Palembang 1250 12/7 w/Indo type mx (Mayer)
- 4855 COLOMBIA R.Nelva 0003-0315 LA mx,tx,ID to past 0515 (Perdue, Robins,Mayer)
- 4855 MOZAMBIQUE LM 2145-2203 t/o PP dialog m&w, pop mx, ID/nx 2200 (Tuchscherer)
- 4860 UNID 0620-0710 SS on 11/16 And. mx, ranchoero mx, (perdue)
- 4865 AZORES Em.Reg. 2041-2043 PP YL & OM tx, gong 2043 " aqui Ponta Delgada" (CCDXA,Miller)
- 4865 BRAZIL R.Cl do Para 2105 w/ads 12/1 (field)
- 4865t BRUNEI RB 1300 lang. GRM from CC sta. 4865 (Bowsby)
- 4865 UNID OM in Asian lang. might be Lanchow 1218 (schnabel)
- 4866 COLOMBIA LV del Anaruco 0650 SS,ID,LA mx (CCDXA)

4870t DAHOMEY Cotonou 0607-0615 FF/Vern. Afr. mx (Schwartz)  
 4871.2 W. IRIAN RRI-Sorong 1200-1400\* Indo., pop mx (Corson, Bowsby)  
 4875 BRAZIL R. Journal 0515 mx & PP nx to 0535\* (Behr)  
 4875 BOLIVIA Cruz del Sur 0120-0308\*, EE- 0230-0300, rel px (Corson)  
 4875 S. AFRICA SABC \*0358, \*0430, 0430\*, 2115\*, Afrikk. svc. off w/NA  
 0430 (perdue, Lineback, Robins, Price, Brown, Ball)  
 4877 S. VIETNAM VTVN 1100-1630 VV, YL ann, west & Viet mx (Bowsby, Shaw)  
 4880 ZAIRE Kinshasa def. here w/FF tx, Is this a reopened fgy? 2015 (Jenderson)  
 4880 VENEZ. R. Universo 2210, 0330\* SS, LA mx, s/off w/NA (Brown, Field)  
 4882v DOM. REP. R. Comm. 0455-0915 SS mx, ads (Day, Wallace)  
 4884t COLOMBIA Ondas del Meta 0410-0420 SS tx, LA mx, under gigantic carrier (CCDXA)  
 4885 UNID 0450 vy weak, slow mx (Wallace)  
 4885v BRAZIL R. Pion. Teresina 0815-0830 PP ads, ID, mx (Behr, Schnabel)  
 4885 ANGOLA A Voz de Zaire 2135 this was supposedly ID'ed by a S. African DXer. I wonder if this sta. may be located in the Congo River area of Angola (ODDX)  
 4890 VENEZ. R. dif. 0000-0400 SS, LA mx, US pops (Robins, Burlew, Day, Goldman)  
 4890 PAPUA/N.G. ABC Port Moresby 1225-1432 EE/lang, native mx (Schwartz, Tuchscherer)  
 4893 INDON. Sarawak 1200 various langs (Bowsby)

Sorry about the poor typing this month but from the middle of Dec. till New Years I had to work 12 hours a day for the Post Office which left little time for anything else. May 74 be your best ever for DX---ERS

**WHAT'S YOUR OPINION?** We would much appreciate members taking a few minutes to answer the following questions. It will greatly assist your bulletin staff in their attempts to bring you a useful and informative bulletin. You need only take a sheet of paper and answer the questions by number, and mail to headquarters.

1. What is your favorite section in FRENDX?
2. Are there any sections you would like to see deleted? Which? Why?
3. Are there any sections you would like to see expanded? Which? Why?
4. In the last few issues the Log Report has been placed at the center of FRENDX, so it can be removed and put in a notebook, for the convenience of those who like to do that. Do you prefer it at the center, or at the end of FRENDX?
5. Are there topics that are not presently covered that you would like to see covered in FRENDX?
6. Do you regularly report to Log Report/QLS Report? If not, why not? (We realize that many will answer that they don't have anything to report. What disturbs us is the knowledge that many active (on the bands) DXers do not report. We'd like to know why.)
7. Please note any criticisms and/or suggestions you have, what you would like to see NASWA do, etc.

In collating the December issue of FRENDX, some covers stuck together, resulting in bulletins with double covers going to some, and the person whose name appeared on the second cover not receiving his bulletin. Four people informed HDQ they had received these double covered bulletins, and supplied us with the name on the inside cover. As soon as we received word that the problem had arisen we sent the affected member a copy of FRENDX for December via airmail. Additional precautions will be taken in the future to see that the problem does not arise again. But if it does, i.e., if you receive a second cover in your FRENDX with someone's name and address on it, please notify HDQ immediately, so we can correct the error. Thank you.

#### A LOOK AT WHAT'S TO COME

Many changes have been brought about in the last year or so in NASWA - the change to offset printing, increase in the number of reprints and special publications made available to the hobby being the most obvious. It appears that the direction the club is taking is receiving approval from the membership. But what about the coming year? First, we expect to compile the English to NA list regularly, and to get it to the members, either in FRENDX, or by special mailing. The Awards Program is due to be reactivated very shortly. Several additions will be made to the stock of reprints; some of them probably to be offered, along with some new material, as an optional packet to new members. The effort, announced in this issue of FRENDX, to get rarely heard stations to broadcast courtesy programs at times more suitable for reception in North America, will be continued....AND YOU ARE THE KEY TO MUCH OF WHAT CAN HAPPEN IN NASWA!! YOUR IDEAS, COMMENTS, SUGGESTIONS, CRITICISMS, ETC., ARE NEEDED!!! Dan Ferguson

- 4900 VENEZUELA R Juventud really is back; fade-in 2130-0400\* with usual LA stuff, IDs, strange jamming sound at times, E (Heutte) 0100 mx, IDs, ads, N:S (Reeves)
- 4905v CHAD Ft Lamy 2005 N:A by M, G (Henderson) 2104-2115 ID, N:F, P (Schwartz) 2055 best ever, radio drama in FF (Heutte) 2145-2205 FF 11-10 only, talk by M, African mx, GRN (Tuchscherer) t 2200 anthem, pipe, chants, VP (Wallace)
- 4905 PR CHINA RP CC mx 2140-2200, then pipe, CC ID by W, no sign of Chad 11-4, F (Burlew)
- 4905 COLOMBIA Em Atlantico 0503 SS ID 333 (Schwartz) LA mx heavy on bongos, ID 0640 (Day)
- 4906v KEMERE REP Rdif Nationale 1200-1500\* occasionally when ute lets up (Bowlsby)
- 4910 GUINEA R Conakry 2004 talk by M in FF, F (Henderson)
- 4913t MARCHURIA Harbin presumed CC speaker 1310-1325, CC talks by M&W, 242 (M.A.D. 12-2)
- 4915 BRAZIL Rdif de Macapá 0830 PP amts, mx, mention Macapa (Behr) (CCDXA)
- 4915 COLOMBIA R Guatapurí 0408 TC, SS ID, Afr sounding mx, bet from possible Kenya 11-24) LA mx, talks 0410-0420, 33333 (Price)
- 4915 GHANA RG 0600 N:E with M&W, native mx, F (Helm 11-12) 1955-1958 vernac talk, then mx interlude, EE ID, N:E, P (CCDXA 11-23) 2010 talk in EE, GE (Henderson) 2035-2110 group singing with orchestral accompaniment, vernac, PF (Barhart 11-24) 2129-2135 lang, African mx, talk, E (Lineback 11-24) 2250 N:E, mx, 443 (Zilmer 11-21) 0611 EE ID, also 2135-2300, E (Schwartz)
- 4915 KENYA VoK-Nairobi 1512-1530 talk by M in Swahili, African mx, many mentions of Kenya, weak but not bad via longpath; can't hear Kenya any other way (Williams)
- 4915 Unid 1500-1630, in Asian lang, don't think it's CC; perhaps Bangladesh HS? (Bowlsby)
- 4920 AUSTRALIA VLM4-Brisbane guitar mx pgm, ID 0725 (Day 12-2) 0755 EE ID 35433 (Graves 11-22)
- 4920 HONDURAS R Progreso 0000-0100 sports mx, talk, noticias (Goldman) 0330 Enas mx, LA mx, wierd sound effects between records, 333 (Brown 12-2) 0450 US mx, SS IDs, G (Wallace)
- 4920t INDIA AIR-Madras 1430, mostly mx; after ABC-Brisbane off 1400\* (Bowlsby)
- 4920 UKRAINE RM via Kiev 1845 talk and mx in RR, P (Heutte-12-25) 2006 talk in RR not 4930, G (Henderson) 2130 GG to Europe, F (Ball) 2130 ID, N:G, G (Schwartz) 2135 tentative in RR, man with commentary, F (Miller 12-2)
- 4923 ECUADOR R Quito 0001-0015 SS ID, mx, talk, US pops, R Quito, LV de la Capital, G (Perdue 12-8) 0128 SS mx, ads, ID, F (Miller 11-29) 0226-0236 Andean mx, SS talks & mx, 45434 (Price) 0311 mx, amts, IDs, G (Robins)
- 4923 MOZAMBIQUE RCM 1625-1640 f/out, pop mx, ads, EE M, TC 1631 29 to 7, gave freqs, etc., best longpath ever! (Williams 11-25) 2130 EE DJ show, pops, Xmas stuff (Heutte)
- 4926 EQUATORIAL GUINEA R Bata 0510 M in vernac, native drum mx (ODX) NA 0429, LM with bird calls, SS ID 0439, N:S, F (CCDXA 11-23) 2138-2158 SS ID, mx, mo, F (Schwartz)
- 4927t SUMATRA RRI-Jambi badly QRmed 1216 tune (Dexter 11-7)
- 4930 ARMENIA Yerevan M&W talks, light orchestral mx, pops, 7-note Majak IS four times at 0430, RR ID by W, short mx, clear, G (Heutte, Reeves) 2006 RR talk, maybe mx, F (Henderson) 2110 HS (ODX)
- 4930 DOMINICAN REP R Mil 0310, G (Robins) 0330 SS, LA mx, ID, 0400\* with callsign, NA, 333 (Brown 11-30) LM, LA mx 0540, E (CCDXA 11-25)
- 4932 NIGERIA NBC-Benin City 2005 N:E, F (Henderson)
- 4932 JAVA RRI-Surakarta 1415 daily, 444, G (Bowlsby) t 1220 plocive Asian lingo, talks by M (Schnabel) Currently best Indonesian on 60 meters here 1030-1330 (Heutte)
- 4936t ANGOLA R Clube do Lobito 0530 PP amts, mx, F (Behr 11-30) 2055 very nice level with orchestral, Xmas mx (Heutte 12-24) t 2004 PP talk, PF (Henderson)
- 4936m MOZAMBIQUE Porto Amelia 2306-2336\*, FF ID, pop mx, 333 (Schwartz) I strongly suggest this is not correct; see next item. FH
- 4937m IVORY COAST 2104-2204 N:F, African mx, 333 (Schwartz) Richard, Abidjan has been on 4940 for decades; suggest you calibrate more carefully. FH
- 4938v ECUADOR R Nac de Ecuador 0330 N:S, ID, mx, 343 (Leonhardt 11-28) 4940 0435-0447 Andean mx, IDs (Price)
- 4939 Unid heard 1400 past 1600, F, perhaps Bandung, recently reported here, but not during this time slot (Bowlsby) SR had one here last summer, must be same. FH
- 4940 IVORY COAST RIVI-Abidjan 0610 African mx, 2145 FF talks by M (Corson) 2120 FF ID, highlife mx, GE (CCDXA 11-23) 2330 EE pop mx, FF ID (Day 12-2) 2003 talk in FF, G (Henderson) 2146-2150 FF, US pops, M talk, F (Lineback 11-18) 2130 FF Jazz mx, F (Miller 12-2) 2133 sprightly cocktail hour piano mx, FF (Schnabel) 2115-2131 ID, FF amts, F (Schwartz) 2110-2130 FF, good level (A.Smith)
- 4940 ASIATIC RSPSR Yakutsk \*0645 (sometimes as early as 0625); again mornings 1430-1600 fade, all RR HS (Davis) 0708 RR mx, talks, G (Reeves) 0715 RR mx, amts (Heutte)
- 4945 COLOMBIA R Colosal rapid SS talk, mx, ID 0633, G (CCDXA 11-24)
- 4945 Unid LA 0040-0115 SS or PP, over-over Colosal with group singing, M DJ (Burlew 11-26)
- 4950 SARAWAK RMS 1500 EE to 1600\*, 7G (Bowlsby) 1530-1600\* nearly every day, mx pgm, off with Malay anmt (Davis)
- 4955 COLOMBIA R Nacional SS talks by M 0130, G (Atkins) 0330 gond, pipe, SS ID, mx (Brown 11-30) 0425 classical mx (Day 12-4) 0441-0453 LA mx, SS talks, 44334 (Price)
- 4960 PR CHINA Peiking 1211, W singing, talks (Schnabel) t 1430 rev mx, F (Bowlsby)
- 4960 ECUADOR R Federación 0245-0300\* continuous organ and instrumental mx, ID, off with NA, over Sucre, E (Lineback 11-17)
- 4960 VENEZUELA R Sucre 0031-0035 LA mx, SS ID, singing ID, E (Burlew 11-26) t 0245-0310 SS, LA mx, talk about Venezuela, ID or ad for Rumbos net, G (Perdue 12-8)
- 4965 COLOMBIA R Santa Fé 0515 SS, LA mx, amts, ID, 333 (Brown 11-25) 0631 LA mx, ID, G (CCDXA 11-24)
- 4966 ANGOLA R Clube de Malange 2050 QSB but nice sig, man talking, G (Heutte 11-24)

- 4970 SABAH RMS 1430 EE dual 5980, listed 1330-1500 (Bowlsby)
- 4970 VENEZUELA R Rumbos 0905 quiet LA mx, IDs (Day 12-3)
- 4972<sup>1</sup> CAMEROUN R Yaounde 2002 local mx under RTTY, F (Henderson) 2140 FF, talk by M, P (Lineback 11-18) 2200 highlife mx, FF amts, 2230 ID, TC, 322 (Roberts 11-22)
- 4973<sup>v</sup> FRENCH GUIANA ORTY-Cayenne FF opera 0115-0125, ID, LM, E (Burlew 11-16)
- 4975 COLOMBIA R Internacional, hymns, SS, while ute off 0119, G (Dexter 11-8) More likely R Del Pacifico, Gerry; the Colombian has been inactive for several years. FH
- 4976 PAKISTAN Karachi 1605-1619 fade, N:E by M, mention of Pakistan, commentary 1615 by W, ID 1605, dual Kashmir 4733 (Williams 11-25) Good show, Dave! FH
- 4976 UGANDA Kampala 1923 EE My Kind of Music pgn, 22222 (Wooten-Afr) Congrats on your 127th country and trn much for the Xmas card, Charley! FH
- 4980 GHANA GBC-Ejura 0620 Stevie Wonder mx, wine ads, TC, ID, G (CGDXA 11-24) 0550 Afr. mx, EE (Corson) 0635 vernac, G (Schwartz) 2001 talk by W in EE, G (Henderson)
- 4980 VENEZUELA Ecos del Torbes 0145 ID, cmtry in SS (Day 12-2) 0105-0137 mx, boletines informativos de noticias, El Mundo al Dia, 44434 (Goldman) 0115 SS mx, F (Guarducci)
- 4985 ANGOLA R Ecclesia 2130 orchestral music, soft amts, G (Heutte 11-30, 12-24)
- 4985 MALAYSIA RM-Penang \*0930-1630\* EE, often fair level (Bowlsby)
- 4990 NIGERIA NBC-Shogunle 0600 N:E, chanting 0615, program sked, RTTY high side, FG (CGDXA 11-24) 1758 EE hemo svc pgn, 24212 (Wooten-Afr) 2026 EE play, G (Henderson) 2057-2116 EE ID, mx, wx, mx, F (Petere) 2115-2125 EE rel pgn, weak (Tuchscherer 12-1)
- 4993 BRAZIL R Brasil Central 0430 PP amts, mx, ads, heavy QRM (Heutte 12-8)
- 4997 PERU R Andina 0415 SS talks by M, mx (Corson) 0420 Andean mx, SS talk, G (Mayer 11-15) 0420-0430 lively mx, amst, VG (Heutte 12-8)
- 5000<sup>t</sup> NEPAL Kathmandu presumed 1154 under WWV (ODDX) Unid mixing with WWV in possible Vietnamese (Schnabel)
- 5000 HAWAII WWVH as early as 0300 now under WWV with usual sked (Heutte 12-24) 1153-1205 time checks by W each minute, 54454 (Patterson 10-31)
- 5000 SOUTH AFRICA ZOO often heard under WWV with CW ID every 1/2-hour 0045-0930 (Reeves)
- 5010 CAMEROUN R Garoua 0500 AA muessin reciting Koran, daily, E (ODDX) 0506 chanting, F (Dexter 11-7) 0508-0515 chanting, FG (CGDXA 11-23) 0525-0550 African mx, FF talk by M (Corson) 0550 African mx, EE pops, amts in FF-vernac, QSB, 252 (Roberts 11-28) 2000 FF-AA ID, talk in FF, G (Henderson) 2135-2202\* lang, African mx, P (Lineback 11-24)
- 5010 PERU R Eco 0239 SS, multiple IDs, mx, 222 (Schwartz) 0314-0450 SS, LA mx, talk, IDs, QRM, F (Perdue 12-8) 0340 SS mx, P (Guarducci) 0420-0430 SS mx, ads, chimes, ID, E (Lineback 11-2) 0400 Andean, Inas mx, E (Heutte 12-24)
- 5010 SINGAPORE RS 1300 EE, P (Bowlsby)
- 5015 ASIATIC RSPSR Vladivostok fading in 0430, fair to good by 0530; local IDs 1345, 1350, 1500, mxr off 1500\*-1600, to fade around 1730; all RR HS and Majak relay (Davis) 0645 Tijuana brass mx, MEW in RR (Day 12-3) 0700 RR mx, mx, F (Reeves) 0715 LM, RR amts, G (Heutte) 0730 RR talks by MEW, 353 (Roberts 11-28) 1155-1205 classical mx, pipe, MEW N:E, 44142 (Pastterson 10-29) 1159 mx, pipe, RR ID, N:E, F (Burlew 11-12) 1210 MEW in RR (Schnabel) 1245 vocal mx, RR talk, 333 (Leonhardt 12-5)
- 5015 ECUADOR R Centinela del Sur 0018-0025 Andean mx, flutes, SS ID, FG (Burlew 11-25) 0330-0343 SS talk by MEW, ID, G (Lineback 12-5) See 5017 below. FH 11-24
- 5015 EUROPEAN RSPSR Arkhangelsk 0330 Moskva and Arkhangelsk IDs, piano mx, FG (Henderson)
- 5015 MOZAMBIQUE R Clube de Moçamedes nice 2025 orchestral mx, Inas carols, PP amts, no junk QRM; WBS didn't fade in until a quarter hour later (Heutte 12-24) Make that country ANGOLA, my mistake. FH
- 5015 WINDWARD IS R Grenada 2220 LM, F (Wallace) 2230-2315 N:E BBC (A.Smith) 2340-2351 BEC World mx, G (Schwartz)
- 5017 ECUADOR R Centinela del Sur 0445-0500 Andean tunes, Inas carols, Felix Navidad at 0500, rel hymns (Heutte 12-25) 0545 seeming SS sports talk by M, complete ID 0557, abrupt 0605\*, 343 (Roberts 11-17) 5018 0500-0603\* mx, SS IDs (Behr)
- 5020<sup>t</sup> FR CHINA Nanching list, 1400 CC, fair most days (Bowlsby)
- 5025 ANGOLA R Clube da Huila 2210-2220, M with PP talk, P (Mayer 12-1) Good work, Alant! FH
- 5025 PERU R Quillabamba 0040 SS mx, talk, F (Guarducci) Peruvian mx to 0130, SS ID, possible N:S, P (Burlew 11-20) 0155-0230 SS, SS & EE mx, mostly vocale, ID, ute QRM, F (Lineback 12-5) 0240-0255, also ID 0345, LA mx, G (Mayer 11-14) 0253-0304\* native mx, three versions of NA at close (Reeves) 1000 Andean mx, Indian talks, G (Behr 11-17)
- 5026<sup>t</sup> UGANDA RU 2023 under RTTY, EE mx, not bad level (Henderson)
- 5027 BRAZIL Vos do São Francisco 0805 mx, PP ads, past 0830 (Behr)
- 5030 SARAWAK RMS 1200 lang to 1500\*, good level (Bowlsby)
- 5030 VENEZUELA R Reloj Continente 0115-0448 SS, LA mx, talks, IDs, G (Perdue 12-8)
- 5032 COLOMBIA Brisas del Citaré 0100-0405 Melodias por Todos, ID, freqs of 1150 5030, Cadena Radial Porvenir, 433 (Whitehead 11-17) 0145-0215 SS sports event, ID, TC, IV QRM-5030, 333 (M.A.D. 12-2) 1015 and 0330, SS mx, ID (Behr)
- 5033 ANGOLA R Clube de Benguela ex-5043v, flute, drum IS 0455, AP, ID clearly Benguela, into native mx, 322 (Henderson 11-24) Good sleuthing, Dani! FH
- 5033 ANGOLA R Clube de Cabinda 0500 PP amts, African mx, past 0600 (Behr) See also above.
- 5035 COLOMBIA LV de Caqueta 0320 SS, LA mx, talk, ID, QRM, F (Perdue 12-8) 1015 mx, SS ads, 1033 IS (Behr)
- 5038 CENTRAL AFRICAN REP Bangui 0605-0610 FF talk, African mx, F (CGDXA 11-25) 1900 fade in, sometimes early as 1759; first African in on 60 (Reeves, Heutte) 2035 African mx, FF amts, IDs, G (Robins) 1950 local chants, E (Henderson) 2158-2301\* FF mx, talks, off with NA (Corson) 2205-2225 FF, African mx, LA, US pope, ID, best African on band (Perdue 12-6)

- 5039 SUDAN Ouderman \*0400 AA, chants and talk, F (Lineback 11-21)
- 5040 BURMA BBS-Rangoon 1155 Asian mx, M&W singing, ID 1158, more mx (Schnabel) 1217 Asian mx, 111 (Gendron 11-14) 1320-1350 talks in lang., Asian mx, 333 (N.A.D. 12-2) EE \*1430, bad bet from probable Chinese stn on 5040; they were better on 5045 (Williams) 1500-1559\* EE, close with NA 353 (Bowlby)
- 5040 GEORGIAN SSR Tbilisi \*0200-0325, IS on chimes, high noise level (ODDX)
- 5040 PERU R Libertad de Junin 1030 M, Andean guitar mx, ads, G (Shaw)
- 5040 PERU R Mar 0725 strong with Andean mx (Schnabel) R Libertad is active here, don't recall when R Mar has been active. Please be more careful with IDs. FH
- 5040 VENEZUELA R Maturin 0300 amts, mx, ID, P (Robins) Ditto my remarks for R Mar. FH
- 5045 BOLIVIA LV del Altiplano 0010-0030 N:S with M&W, music bits (Tuchscherer 11-16)
- 5045\* PR CHINA PLA 1100 M&W with expoundations and testimonials, G (Shaw)
- 5047 JAVA RRI-Togayakarta 1350-1405, Indonesian mx, ID, talk, F (N.A.D. 12-2) t 1100-1630 daily, 353 (Bowlby)
- 5047 TOGO Lomé \*0530 with NA, also 2145 (Corson) 0620 talks by M in FF (Day 12-5) 1900 mx, nx on the hour; best heard this early (Henderson) 1925 fade-in, African mx, highlife, chanting, improving, F (CODIA 11-23) 2147 native mx (Schnabel) 2200-2258\* FF, western choral mx, ID; also 0605, G (Schwarts) 2230-2300\*, M in FF (A.Smith)
- 5050 ASIATIC RSFSR Petropavlovsk 0530, M with morning exercise pgn, piano mx, VG (ODDX)
- 5050 TANZANIA Dar-es-Salaam 1948 Swahili mx, chants, ID; Hai ni R Tanzania, some mixing with much weaker Tirana on same frequency (Henderson) 2100 EE, Swahili amts (ODDX)
- 5050 VENEZUELA R Mundial 0030 LA mx, many TCs, IDs, FG (Wallace)
- 5052 SINGAPORE RS 1000-1630\* very good daily in EE (Bowlby) oriental type tunes 1107, 111 (Gendron 11-18)
- 5055 BRAZIL R Vitoria 0045-0110 one day only, talk by M in PP, some mx, QRM, P (Tuchscherer 11-13) 0315-0330 talks by M in PP, Iwas chair, talk by W, some QRM, F (Heutte 12-25)
- 5055\* BRAZIL R Cultura de Caiba, weak at 0430 tune, PP (Dexter 11-25)
- 5060 ANGOLA R Clube do Huambo fine with LM, PP amts 2130 (Heutte 12-25)
- 5060 SOUTH YEMEN RSY 1947 AA mx, F (Henderson)
- 5065 KARELO-FINNISH SSR Petrosavodsk 0515 local RR pgn, IDs, mx, talks, 0545 Moscow RR HS dual 4780 (Behr)
- 5075 PR CHINA RP 1200-1330 CC, usual mx, talks, is regularly good (Bowlby)
- 5075 COLOMBIA R Sutatenza 0029 LA mx, SS ID, E (CODIA 11-25) 0330-0400\*, mentions of Escuelas Radiodonicas, Accion Cultural Popular, news pgn, 434 (Brown 11-28)
- 5089\* SUMATRA RRI-Medan 1445 Indonesian, buried under ute, 12-1 (Bowlby)
- 5107\* Unid, likely ME or Nafir, chanting many nights 0130-0200, P (Burlew)
- 5125\* PR CHINA PLA 1120 dual 6290, not dual 5045, G (Shaw)
- 5260 KAZAKH SSR Alma Ata 0030-0330 RR HS pgn, much mx, amts, nx, W ancor mostly (Heutte)
- 5273\* PARAGUAY R Nac in mech SS mx (A.Smith) Time? FH
- 5290 Unid Russian with W in RR talks, strong but fluttery, 0300 (Heutte 12-25)
- 5804 YEMEN Sana 0323-0350 Koran reading, chants, ute QRM, 333 (Earhart 11-29) 0330-0335 ID by M in AA, more mx, GE (Burlew 11-17) 0335 AA mx, ID by M, G (Robins)
- 5875 HONDURAS LV de Honduras 0110 SS mx and talk, F (Guarducci) 0410 rapid SS talk, F (CODIA 11-23)
- 5900 USSR Unknown QTH; 0640 talks by US astronauts being translated into RR (Day 11-27)
- 5920 USSR RM 2200-2230\* EE to UK & Ireland, 444 (Leonhardt 12-2)
- 5930 CZECHOSLOVAKIA R Prague 0130 EE sports, ID 0135, P (Guarducci) 0215-0235 SS M&W talks about Czechoslovakia, amts, mx, FG (Fino)
- 5935 USSR RM 1110 N:R by YL, piano mx, amts (Helm 11-20)
- 5940 USSR RM 2300-2330 commentary, mx, signal not strong for RM (Goldman)
- 5951\* COLOMBIA R Super de Medellin, fade-in 2200 with mx, amts, ads, IDs, same format past 0700 (Heutte) 0200-0330 mx, TCs, many different IDs: En R Super de Medellin, su preferido en Medellin, en Medellin esta es la musica de R Super, bad bet, 323 (Whitehead 12-7) 0215-0228 typical LA fare, F (Perdue 12-6) 0215-0300 LA mx, IDs, TCs, records; TONA QRM, 322 (Leonhardt 12-4) 0613 and 0915, similar operation to 6065, but not in parallel, sports, ads, IDs (Dexter 11-24) 0615 mx, many IDs, past 0800, anc La Internacional, G (Behr 11-18) 0640 LA pops mx, ID after every selection, first hrd by Bill Hood 10-19; 232 (Roberts 11-9) 0700-0715 SS talks, LA mx, two definite IDs, E (CODIA 11-25) 1010 anag En Super Radio, IDs, mx (ODDX) Lest it appear otherwise, I did not log this first; thanks to the above reporters who enabled me to find this! FH
- 5955 GUATEMALA TGWA 0230 EE freq amts, ID, G (Perdue 12-8) 0335 EE address and freqs, SS thereafter, dual 3300, both poor (Burlew 11-28) 0400 EE rel pgn 433 (Brown)
- 5960 CANADA RCI Northern Svc 0345-0410 EE M&W play, nx commentary, G (Fino 11-14)
- 5960 GREECE NBI-Athens Greek for Europe 1930, HF ex-9630 (Padula 11-6)
- 5965\* BOTSWANA Gaborone possible; African chants, talk by M in lang, EE freqs but too weak to copy 0415, no positive ID (Day 11-25)
- 5965 BRAZIL R Guaiaba 2330-2340 PP M, nx (Tuchscherer 12-4)
- 5980 EL SALVADOR YSS 1300 SS, LA mx, IDs, 454 (Cwikla 11-23)
- 5980 SIERRA LEONE SLBC 0803 EE-vernacc, highlife, soul mx, ads, IDs, TCs, fg to 0820, then rapid fade until gns 0830, 353 (Roberts)
- 5980 SWITZERLAND SBC NF, FF talk about Ben Gurion 0110, YSS underneath, guess that kills YSS, hi; FG (Broek) 0345 Italian, 0430 EE, G (Behr) 0430 EE nx, Sounding Board, to WCNA dual 9750, 544 (Zilmer 12-2) 0500 Italian nx, poor (Guarducci)
- 5985 PAUA NEW GUINEA Rabaul 0945 EE nx by M&W, local nx, pop, native mx, did not QSL (Helm 11-16)

- 5990 ROMANIA RB 0019-0037 N:S by M&W (Tuchscherer 12-5) 0130 EE, 0230 Yiddish, G (Behr)  
2200 GG talks 443 (Zilmer 11-22)
- 5995 MALI Rdif Nationale 0610 dual 4780, all over VOA, local mx, 434 (Roberts 11-28) 2100  
African mx, FF ID, F (Robins) 2230-2315 several times, FF mx, drama (Corson)
- 5995 USA VOA 0505-0525 Breakfast Show, M&W mx, cmury, mixed mx, VG (Fino) 0725-0730\*  
Breakfast Show, E (CCDXA 11-25)
- 5995 VATICAN VR 0128-0133\* FF ID, rel mx, E (Schwartz)
- 6000 BRAZIL F Inconfidencia 2248 PP political harangue (Schnabel) 2350 PP songs, IDs (Day)
- 6000 HUNGARY RB NF 0430 EE pgn, is this RBI relay? (Behr)
- 6000 SWEDEN RS 0030 N:E to ECNA, heavy Brazil GRM, 422 (Zilmer 11-28) 0030 EE, 0100  
Swedish, GRM Brazil (Behr)
- 6006 COSTA RICA R Reloj 0315 SS talk, ID, mx, FP (Brock) 0630 basketball game (Brown 11-28)  
0722 SS mx, ID, E (CCDXA 11-25)
- 6005 CANADA CFCF 1640-1715 EE ads, Dialing for Dollars, varied songs, pop mx, FG (Fino  
11-14) 1855 Four Tops mx, 1900 ID, wxcast, N:E, F (CCDXA 11-23)
- 6010 ITALY RAI 0100 EE to NA, mx, Italian mx, 544 (Cwikla 11-12) 0100-0120 N:E, mx, 433  
(Zilmer)
- 6015 COLOMBIA R Mira 0220-0230 SS, LA mx (Tuchscherer 12-2)
- 6015 CZECHOSLOVAKIA RP 1935 Italian mx to Europe, NF ex-6055, mixed VOA (Padula-Pac 11-4)
- 6015 FRANCE CRTF 0527-0537 N:E, mx, ID (Tuchscherer 12-3) NF
- 6015 GREECE VOA 2130 EE pgn to ME, 433 (Zilmer 12-4)
- 6020 CANADA RCI 0240-0290 FF light mx, mx by M (Tuchscherer 12-4) NF
- 6020 CHILE Em Diego Portales now ancg CE602 dual 9570, not hrd hmw due to GRM (Behr)
- 6020 NETHERLANDS ANTILLES RNB 1855 EE ID, talk about Dutch govt, FP (CCDXA 11-23)
- 6020 PERU R Victoria 1008-1028 SS, LA mx, IDs, G (Tuchscherer 11-27)
- 6025 NIGERIA NBC-Enugu 2250 EE, highlife mx, drums, ID, N:E, 2305\*, anthem (Roberts 11-22)
- 6025 PORTUGAL RP \*0200 EE to NA, mx, E (Atkins) 0205 EE talk about SS church, bad GRM but  
exc with Question-box, E (Perdue 12-8) 0345 nx cmry to WONA, 333 (Brown 12-1) 0745  
FP ID, piano mx, past 0750, G (CCDXA 11-25)
- 6025 UZBEK SSR R Tashkent 1200 N:E, comment, mx, 333 (Cwikla 11-12)
- 6035 ASIATIC RSFSR RM 1330 M with RR armts, mx, dual 6080, PF (Robins)
- 6035 LIBERIA VOA-Monrovia 0330 EE talks, nx, Africans, 333 (Brown 11-27)
- 6040 PAPUA NEW GUINEA R Milne Bay 1100 pops, mx, EE-Pidgin, F (Helm 11-12)
- 6045 JAVA RRI-Jakarta 1600-1700\* possible nx, mx, well heard most mornings (Davis)
- 6045 PHILIPPINES VOA 2155-2200\* EE ID after lang talk (Tuchscherer 12-4)
- 6045 PERU R Santa Rosa 0410-0430 SS mx, Xmas bhorus, armts, TCs, F (Heutte 12-25) t 0810  
Peruvian mx, possible ID 0815, but hopelessly in GRM (CCDXA 11-25) 1115-1125 N:S, mx  
(Tuchscherer 11-17)
- 6050 CYPRUS BBC 2100-2115 EE WS ID for E Med relay, E (Lineback 11-18)
- 6050 ECUADOR HCJB 0143 SS ID, guitar mx, G (Burlaw 11-22)
- 6050 HONDURAS R America 0400 mx, full SS ID to 0501\*, was inactive, G (Behr 11-27) 0415-  
0430 SS, LA and pop mx (Tuchscherer 11-29) 0415-0430 lively mx, ads, ID (Heutte 12-25)
- 6055 CZECHOSLOVAKIA RP 0608 N:F, E (Schwartz)
- 6055 JAPAN JO22 commercial svc as easily as 2130; JJ, local and Western mx dual 3925 9595
- 6055 RWANDA Kigali 0435-0450 FF interview, nx, VG (Tuchscherer 11-22) 1930-2100\* African  
mx, N:F, talks, close with anthem, much co-channel GRM (Heutte 12-24)
- 6055 USA UN Radio 0545 via Greenville, IS, N:E (CCDX)
- 6060 ARGENTINA R Nacional 0015 SS wx, ID, orchestral mx, G (Behr) 0458\*, P (Guarducci)
- 6060 NETHERLANDS ANTILLES TWR 0335-0351 NF Romanian rel talk, EE ID, into RR (Tuchscherer  
11-16) \*0345 IS, EE ID, RR pgn to Europe and ME, G (Brock)
- 6060 SICILY RAI-Caltanissetta FS pgn, Italian, FF, GG, nx, 2300-2345, F (Schwartz)
- 6065 COLOMBIA R Super 0330 SS talk, LM, giggling DJ, FG (Brock)
- 6065 SPAIN RNE 0110 EE to US-Canada, Australia-NZ, mx, E (Atkins) 0200 EE mx, SS mx, to  
0245\*, 433 (Brown 11-12)
- 6070 CANADA CFRX 1715-1735 ads, pop mx, nx about royal wedding, G (Fino 11-14)
- 6075 GERMAN FEDERAL REP DW AA to ME 0630, NF ex-11965, 0520-0650 (Padula-Pac 11-7)
- 6075 GREECE NBI Greek to Japan 2215 NF ex-11925 xed RA-Darwin (Padula-Pac 11-9)
- 6075 HONDURAS LV del Junco 1210 mx, armts, VG (Robins)
- 6080 SOUTH AFRICA RSA 0030 N:E, mx, commentary, 333 (Brown 10-30)
- 6080 USA VOA 0515 N:E, armt, pgn, IS, 444 (Brown)
- 6085 CANADA RCI 0100 N:E, mailbag, to 0155\*, 444 (Brown 11-24) 0104 N:E, E (Atkins)
- 6085 COLOMBIA Ondas del Darien 1103-1110 SS ID, mx by M (Tuchscherer 11-17) 2338 SS mx,  
ID, TC, talk, 444 (Leonhardt 12-5)
- 6085 GERMAN FEDERAL REP DW 0303-0355 operatic mx, EE, GG, F (Fino 11-25)
- 6085 INDIA AIR-Madras 1308-1321 subcontinental mx, FG (Reeves)
- 6085 VATICAN VR 0105-0115 ID, EE discussion of Holy Year, G (Schwartz)
- 6090 ASIATIC RSFSR Majak #1630-1800 fadeout, not as strong as 6035 6070 6080 (Davis)
- 6090 AUSTRALIA VLI6-Sydney 0810 N:E 34433 (Graves 11-22) 1100, only occasionally, lots  
of GRM (Bowlby) 1200 ABC mx, G (Ball) 1303, PF (Robins)
- 6090 LUXEMBOURG RLI 0845 GG talk, late and fading, VP (CCDXA 11-25) 2155-2300 GG, ID,  
popschlager, discussion of energy problems, 333; also 0155 EE (Schwartz)
- 6095 BRAZIL R Tupi 0130 PP talks, 422 (Zilmer 11-25)
- 6095 COLOMBIA LV del Centro 0315 ads, mx, refs to Colombia (Day 11-17)
- 6095 FRANCE CRTF 0557-0601 FF LM, ID, nx (Tuchscherer 11-22)
- 6095 IRAQ R Baghdad 1900-1915 AA mx, talk, ID, FP (CCDXA 11-23) Hang in there, one to get

- 6095t PERU R Oficial listed, definitely Peruvian, no sign of the Colombian; 0430-0500 with Andean and Inca mx, EST TCs, mentions of Peru, echoes, low level and mod (Heutte 12-25)
- 6095 Unid 0401-0415, AA chants good, perhaps Iraq (Mayer 12-7)
- 6100 YUGOSLAVIA RB 2200 N:E, 433 (Zilmer 11-22)
- 6105 MEXICO XEQM 0500\* SS M (A. Smith)
- 6105 PERU R Mac Tacna 0445-0500 SS talk by M, full ID (Tuchscherer 11-29)
- 6110 USA AFRTS 0620 N:E, pgn, talk, 222 (Brown 11-25)
- 6115 COLOMBIA LV del Llano 0030 SS mx, ID, 433 (Leonhardt 12-7) 0126 SS, LA mx, talk, TCs, ads, IDs, G (Perdue 12-5) 0345-0400 SS, LA mx, songs, ID, freqs, PF (Brock)
- 6115 GERMAN DEMOCRATIC REP RBI 2125 NF EE to Europe, xed RFE (Padula-Pac 11-9) (Guarducci)
- 6120 ARGENTINA R El Mundo 0340-0400 SS, mx, talk, IDs, P (Brock) 2335 SS, LA mx, P
- 6125 HONDURAS R Suyapa 0045 SS ID noted clearly during VOA quiet spot (Leonhardt 11-30)
- 1128-1144 LA mx requests (Tuchscherer 11-17)
- 6130 SAUDI ARABIA V of SA 2210-0000\* AA, EE IDs, test sked, chants, plastered by VOA 2350 (Roberts 11-22,26) 2230-2330 AA talk and chants, GRW (Behr)
- 6130 CANADA CHMX 2345-2355 TV set ads, mobile home ad, ID, E (Mayer 12-6)
- 6135 BRAZIL RTV Gaucha 0830 PP ID, mx, 55555 (Graves 11622) 2300 ending A Vos do Brasil, ID, ads, TC, mx, 343 (Roberts 11-26)
- 6135 TAHITI RT 0500-0700\* FF-Tahitian dual 11825, good by s/off (Bowlsby)
- 6140 AUSTRALIA VLR6 1500-1510 News, sports, F (Mayer 12-1)
- 6140 NETHERLANDS RNL 0230 Dutch news, commentary, mx, GE (T. Smith 11-27)
- 6145 ALGERIA RTVA 2300 AA pgn, chants, 2356 under DW (Behr) 2335 AA chants, 232 (Leonhardt)
- 6145 VSA VOA-Dixon 1300 EE to SEA, VG (Robins)
- 6150 AUSTRALIA VLR6 EE talk 0830, 44444 (Graves 11-22)
- 6150 COSTA RICA R Atenea 0430 10-29 SS Cuban communist party amnt, ads, LA mx, 444 (Brown) 1055 LA mx, DJ talk, 211 (Gendron 11-15)
- 6150 ROMANIA RB 2025\* EE to Eur, FG (Robins)
- 6155t IRAQ Baghdad 2301-2319 AA talk by M, chants, lost at 2319 (Tuchscherer 12-4)
- 6155 JAPAN FEN 0704 mx for Japan and Okinawa, mx (Day 12-4) 0745 EE mx, ID, nx (Guarducci) 1450-1500 LM, NA, nx, F (Mayer 12-1)
- 6160 CANADA CKZU 1625 EE nice mx, ID, mx 1650, G (Guarducci)
- 6160 COLOMBIA R Nueva Granada SS talk, joke about Chilean telephone operators, LA mx, 433 (Brown) Rather En Nueva Granada. Time? Chilean telephone operators? Good grief! FH
- 6157\* HAITI R Citadelle 1137 FF soft classical mx 111 (Gendron 11-15)
- 6160 GERMAN FEDERAL REP 0115 N:E, 433 (Zilmer 11-28)
- 6160t GUATEMALA Unknown stn, 1230 mx, talks, 333 (Zilmer 12-5)
- 6165 HUNGARY RB 0058 IS, \*0100 EE, lists 10 kW, GRW, P (Ester) 0300 N:E, catty (Zilmer)
- 6165 MEXICO XEWW LV de la América Latina 0600 N:S, refs to Aquil en Mexico (Day 11-14)
- 6165 MONACO TWR \*0415 EE DX special, Sunday morning GMT, 333 (Cwiklia 11-17)
- 6165 NETHERLANDS ANTILLES RNB 0605-0620\* EE world mx (Tuchscherer 11-22)
- 6165 SOUTH VIETNAM VYVN 1340 M talk, female vocals, ID 1400, three pipe, one dash, 443 (Hardester 12-2)
- 6165 SWITZERLAND SBC 2115 EE In His Name via omnidirectional antenna, 433 (Zilmer 11-18)
- 6175 ISRAEL IBA 2000 EE mx xed Paris, NF (Padula-Pac 11-18)
- 6180 GUATEMALA LV de Guatemala 0340 mx, amnts, G (Robins) 0400 sports (Field 12-2) t 0330 marimba mx, SS amts, weak and ID uncertain (Day 11-17)
- 6185 BRAZIL R Bandeirantes 2305 PP soccer, F (Guarducci)
- 6185 GERMAN FEDERAL REP DW 0530 N:G, talk pgn, 242 (Brown 11-25)
- 6190 ASIATIC RSTSR Majak IS 1055-1100, RR talk by M, heavy VOA splash, P (Burlaw 11-14)
- 6190 NIGERIA NBC-Sokoto 0447 AA chanting, EE ID, mixed BBC, FF (CGEKA 11-25) 1945 strong level, EE ID, Nigerian Newscast 2000, all over co-channel BBC (Padula-Pac 11-22)
- 6218 DOMINICAN REP LV de la Libertad, HIAU, Puerto Plata, formerly on 3205, on 24-hour sked during Xmas season, never completely fades out; strongest after dark; lively mx, many TCs, ads for Brugal, Monte Carlo, IDs and QTH often; loud and clear, not a harmonic (though AM 1240 is close to 1243+ which is 5th undertone of 6218). Likely on only for holidays as no DR stns permitted above 60 meters (except RTVD); this frequency probably chosen since it's clear, loud, and the AM antenna would resonate on the 5th harmonic region. Any help, Cesar Objio, etc? First noted 0540 12-25(Heutte)
- 6240 CLANDESTINE R Libertacao 2200 ID, West African mx, PP (Ball)

That closes it out for this month. A new typewriter ribbon caused a lot of problems; I may have access to a better machine in the future. The dates have been moved to the parentheses per Jerry Lineback; what thank you all about this. School finals prevented me from finishing this until the day after Christmas. During the last month your editor has typed two term papers and 2000 ham contest QSOs. My fingers feel it just a little! A little bit of excitement closed out the column this month; I logged Petrozavodsk 4780 at the stroke of midnight Christmas morning, country #185, then the Dominican on 6218. Some Xmas gifts, eh? 73, and comments and criticisms always welcome, especially on cleaning up the format here. Fred Heutte, Jr. WA3QIA/WDX3FH 1600 Newton Street, N.E. Washington, D.C. 20018

- 6210 INTERNATIONAL WATERS, RNI. 0230 EE public service messages, rock mx, singing ID's 11/16 (Burlaw)
- 6210 CHINA, RP. 2250 CC opera, tlc in lang. ARO QRM (Estes)
- 6233-7 PAKISTAN, R. Pakistan. 1145 Station heard two days on shifting freq. Holy Qur'an heard in fair strength. Moslem mx. (ODDX)
- 6240 CLANDESTINE, R. Libertacao. 2140 PP & Vern, Afr chanting, choral mx. Also noted 0710 PP & Vern tlks, Afr mx, ID (Roberts); Afr tlc, mx to 2303\* w/anthem. Now jammed by siren type jammer (Behr)
- 6250t UNID. 0400-0600. Listened between 6240-6260 for R. City. Nothing but noise and maybe??? musical sounds two times for brief period on 6250 but may have been sounds resulting from noise. Radio Cuzco, Peru listed here too. (Field)
- 6250 EQUATORIAL GUINEA, R. Santa Isabel. 2250 SS tlc, NA at 2300.P. (Mayer)
- 6270 CHINA, RP. 2218-2228\* OM in EE, then Mao mx. (Schnabel, Burlaw)
- 6290 N.KOREA, R. Pyongyang. 1050 Vocal mx (ODDX); 2214 noted //6395 w/OM in Asian lang. (Schnabel); 1200 EE by YL, mx, high level noise (Earhart)
- 6390 CLANDESTINE, (Guinea?). 2150 FF & PP by OM & YL. Balafon mx. Much like 6140 (ODDX)
- 6392 GUINEA, RDN Conakry. 0100 Afr speech CW QRM //9648.5 (Behr)
- 6397 GUINEA, RDN Conakry. 0315-0415 FF/lang OM & mx. (A. Smith)
- 6560 UNID. African. 0530 YL "Ici Radiodiffusion...." Could not understand remainder.... What is this? (ODDX)
- 6955 CHINA, RP. 1145 JJ(?) OM talking, mx, CC type choral mx (Earhart)
- 7076 ALBANIA, R. Tirana. #0100 PP tlc. Poor. (Guarducci); 0630 ID in EE, tlc by YL. Poor 11/21 (Day)
- 7095 ISRAEL, IBA. 2300 tlc in lang. 322 12/1 (Zilmer)
- 7100 MONACO, TWR. #0725-0800 "Back to the Bible" 343 (Bowlsby, Estes); 0840-0900\* rel mx, ID at s/off. 353 (Earhart) // (Estes)
- 7100 USSR, RM. 2300 IS, tlc in weird LA lang. Probably Quechua as listed
- 7102 N.VIETNAM, VOV. 1005 Home svc, VV singing and tlc F-G (CCDXA)
- 7105t SPAIN, RNE. 1015 w/guitar mx, SS tlks, no ID, but who else could it be? Weird due to lack of polar fade. Rules out Asia. P-F 11/25 (CCDXA)
- 7108 THAILAND, Thai TV. 1030 tlks in lang, some mx ARO QRM 11/16 (Helm); Tent. 1230 in lang and oriental mx 11/23 242 (Cwikla)
- 7110 MALI, Bamako. 0805-0815 W Afr rhythms, Vern ancmts w/ long path, frequently heard during our summer, unlisted WRTM for this time period this freq. 11/23 (Padula-Australia)
- 7120 CHINA, RP. 0105-0150 EE mx by YL. Good 11/19 (Fino)
- 7130 W.GERMANY, DW. 0630-0650 GG to Afr via LR. ex 17800 (Padula-Australia)
- 7139 INDONESIA, RRI Ambon. 0905 OM tlc into mx, RRI ID and Hawaiian mx
- 7140nf JAPAN, NHK. 1315 CC Asian svc ex 11875 (Padula-Australia) // (Day)
- 7150 USSR, RM. 0100 SS ID into EE 11/19 (Fino)
- 7150nf AUSTRALIA, RA. 1500 EE nx and tlc past 1530. What site? (Behr)
- 7165 INDONESIA (W. Irian), RRI Jayapura. 1227 f/1 mx and YL anncr 11/26 (Dexter) See 7190 - MRL
- 7175 USSR, RP&P. 0130-0400 IS, SS cmtry 333 11/26 (Brown)
- 7190nf INDONESIA, RRI Jayapura. 0930 past 1000 excellent level since 11/23 ex 7165 (7190 has been nominal freq for many months. (Padula-Australia) See 7165 - MRL
- 7195 UGANDI, R. Uganda. 1415 Vern tlc, native mx 12/3 (Helm)
- 7195nf JAPAN, NHK. #1930 RR to Eur. Ex 11960 xed Bucharest (Padula-Australia)
- 7195 ALGERIA, RTA. 0630-0730, now here w/AA svc. Using Riyadh freq! 11/4 (Padula-Australia)
- 7195 MALL, R. Mali. 0930 Always well heard, but exceptional conditions allowed good reception well into local daylight. (ODDX)
- 7200 USSR, Yakutsk (Fra east & far north!) Again overcoming ARO QRM from about 0230-0615\* Lcl px 0410-0500 (weekday 0410-0430, Sun 0430-0500, Sat relay Moscow). Lcl ID and time usually given at 0410 and 0430. All RR home service. (Davis)
- 7205 ZAIRE, R. Lubumbashi. 0409 ID "Ici Lubumbashi, la voix du Zaire", gave sked, into lcl mx. Good 12/7 (Mayer)
- 7210 SWITZERLAND, In'tl Comm Red Cross. Testing, w/EE ID 2320; 2320-2330 FF; 2330 SS. ARO QRM 11/19 (Mayer)
- 7215nf GRECE, NBI Athens. 2135 Greek to Australia. Ex 6175 (Padula-Australia)
- 7220t W.GERMANY, R Liberty. 0655 play in lang under jamming. P. (Wallace)
- 7225 PHILIPPINES, FEBA. 1200 EE panel discussion w/ID. F 11/20 (Burlaw)
- 7225 W.GERMANY, DW. 0500\* EE nx. 332 11/24 (Brown)
- 7230 SPANISH SAHARA, R. Nac. Espana Afun. 0830 hrd well at f/1 AA OM w/AA mx into SS 0900 wonderful level f/o 0915 (ODDX)
- 7230 JAPAN, JHK. 0810 JJ 1st prog home svc 342 11/19 (Bowlsby); 1210 JJ nx, pop and JJ mx. Fair 12/5 (Helm)
- 7234 NIGERIA, ECSECS. 0520 EE tlc, nx piano mx. Poor 11/25 (CCDXA)
- 7235nf JAPAN, NHK. 1905 AA to MidEast xed BEC-UK. Ex 11965 (Padula-Australia)
- 7235nf W.GERMANY, DW. 0650 Swahili tlks. All over ECSECS co-channel. Via LR. Ex 15275 11/4 (Padula-Australia)

- 7245 S.VIETNAM, VTVN. 1135 lang, soft melodic mx. 211 11/14 (Gendron)  
 7250 VATICAN STATION, Vatican R. 2130 SS, rel pgm to Spain. Good 11/14 (Fino)  
 7260 E.GERMANY, Stimme der DDR. 0400 GG tlks. G-E (Schwartz)  
 7260 INDIA, AIR. 2045 EE pgm to UK //9912, 11740 (Wootten-Morocco)  
 7265 W.GERMANY, Sudwestfunk. 0205 GG ID "Das waren von dem Sudwestfunk die Nachrichten." Severe intermissions ARO QRM (Schwartz)
- 7275 ITALY, RAI. 2030 Bird chirp IS. Fair. (Wallace)  
 7280 USSR, RM. 1000 IS, ID and march mx. SEA lang. Good 11/25 (CCDXA)  
 7285nf PORTUGAL, DW Sines. 2120 Czech tik. Ex 11905. (Padula-Australia)  
 7285 JAPAN, JKH3. 0815 JJ 2nd pgm home svc. 343 11/19 (Bowlsby)  
 7300 ALBANIA, R. Tirana. 0010 Albanian tik, mx, Id. Good 11/30 (Fino)  
 7325 ENGLAND, BBC. 0200 EE nx, cmntry. Poor 11/16 (Fino)  
 7335 CANADA, CHU (Time & Freq. Sta.) 1740 EE/FF time ancnmts, pips (Fino)  
 7340 USSR, RM. 0300\* EE nx, tik on peace. Good. 11/16 (Fino)  
 7345 CZECHOSLOVAKIA, R. Prague. 0100-0200\* EE nx, mx. (Fino, Brown)  
 7345 ESPIONAGE, Numbers Station. 0718 YL reciting SS numbers (Bowlsby)  
 7385t THAILAND (Station unknown). 1230 tik in lang. Probably new Thai mentioned by Bundy. Just audible. (Shaw)
- 7420 USSR, RM. 0210 EE nx, mx, cmntry. Good 11/27 (T. Smith)  
 7430 CHINA, RP. 0220 EE tik, mx cmntry. Good 11/27 (T. Smith)  
 7500 AUSTRALIA, VNG (Time Station) 1159 EE time ancnmts, pips G. (Burlew)  
 7504 CHINA, RP. 1204 tik in lang. Poor. (Estes)  
 7512 N.VIETNAM, VoV. 1105-1156 VV singing, VV ID (Earhart, Burlew, Estes)  
 7520 CHINA, RP. 1209 CC YL yelping. Poor. (Estes)  
 7580 N.KOREA, KCES. 1215 YL w/ chatter in lang (Estes); 1115 RR tik by OM, mx, more RR tlk. Tentative no ID noted 232 12/2 (Earhart)
- 8950 USSR, RM. 0040 Afr mx, chants, IS @ 0050. Weak. (Wallace)  
 9009 ISRAEL, IBA. 2200 FF tlks 343 (Zilmer); 0015-0030; 0500-0515 EE (Schwartz); Tentative 0130 YL w/vocal mx 222 12/3 (Hardester)  
 9040 IRAN, R. Tehran. 1235 Persian flavor. Definatly //15084. 9020 silent. (Shaw, Estes)
- 9290 CHINA, RP. 1200 EE tlks, nx 343 11/21 (Zilmer)  
 9390t CHINA, RP. 1220 Fair in lang. (Estes)  
 9450 AUSTRALIA, RA. 1230 IS, ID under R. Mos. & R. Peking into lang 322 11/21 (Zilmer); 1600 ID & EE nx on LSB. What site? (Behr)
- 9452a N.KOREA, R. Pyongyang. 1305-1315 OM tik in lang into mx. F. (Bromley)  
 9455 A.R. of EGYPT, R. Cairo. 0610 Egyptian mx, brief lang ancnmts (Day)  
 9455-7 N.KOREA, R. Pyongyang. 1100-1230 EE/SS diaatribes against the Moscow revisionista (A. Smith); EE nx, cmntry 433 11/21 (Zilmer) Time? MRL  
 9463 PAKISTAN, R. Pakistan. 2045 Pakistani lang, mx, tlks. Seems ex 9470 (Wootten-Morocco)
- 9470 UNID. Soviet. 1158 RR tik. Also there seemed to be a second tx going at the same time or else an echo. Both carried same px. G. (Estes)  
 9475 ESPIONAGE, Numbers Station. 0925-0931\* Noted 12/2 YL reciting SS number groups, ending in "final". Suspect Cairo. (Perdue)  
 9475 A.R. of EGYPT, R. Cairo. 0220-0300 EE px to NA. (Schwartz, Brown, Day, Fino)
- 9500 USSR. 0516 ID "Govorit Anadyr", 1cl RR px, not daily; 0530 Chukchi px, no Magadan ID's. New tx? (Behr)  
 9500 ALBANIA, R. Tirana. 2025\* "Ici Tirana" ID after FF px (Leonhardt)  
 9505 SUDAN, R. Omdurman. 1930-2115 AA tik, ID "Huna Omdurman". (Peters, Robins, Leonhardt)
- 9505 UNID. 1950-2100 AA chants. Good level. (Mayer) How about the above?  
 9505a PERU, R. America. f/i 1127-1154 f/o SS tik, IA mx and ID's. Bad het mixing w/RTV Dominicana on same freq. Also noted 0045 before RTVD f/i (Word)
- 9510 TAIWAN, VOFC. 1800-1845 EE nx, cmntry, CC mx (Roberts, Day, Behr)  
 9510 ENGLAND, BBC. 2330-0015 EE tik, sports, mx (T. Smith, Fino)  
 9510 UNID. 0710-0740 TT or AA sounding lang, string instr mx (Earhart)  
 9515 TURKEY, VoT. 1605-1700 Pips, TT ID, string mx (Burlew, Earhart); 2100 mx, wailing, etc. (Bromley)
- 9515 URUGUAY, R. Sarandi. 0055 SS ads, ID, nx, mx 343 11/28 (Roberts)  
 9515 MEXICO, Voz de la America Latina. 1415 SS tik, ads 1500 f/o (Behr)  
 9520nf USA, KGEB. 1400-1500 rel px anned as EE svc to Asia; 1500-1700\* CC px (Leonhardt, Behr, Mayer)
- 9520 GREECE, NBI Athens. 0800-1000 testing during Nov. for Australia. OK till 0900 when freq taken over by RNZ s/on (Padula-Australia)  
 9525 ENGLAND, CBC relay. 1500 CS, 1530 Ukr, 1600 RR //11935. Does not agree w. latest CBC sked. (Behr)
- 9525nf ISRAEL, IBA. \*0057 past 0230 mx & Hebrew home svc //9009 (Behr)  
 9530 ECUADOR, HCJB. 0130 EE "Passport" px, Bible tik, rel mx. G. (Fino)  
 9535nf LIBERIA VoA Monrovia. \*0200 EE to SEA. Interesting choice of freq as daylight path 11/10 (Padula-Australia)
- 9535 INDIA, AIR. 1225-1330 EE px, sked, nx (Zilmer, Bromley)  
 9540t ZAIRE, R. Lubumbashi. 2045-2110 f/o FF tik, Afr type mx (Leonhardt)  
 9540 NEW ZEALAND, RNZ. 0630 EE w/pop mx. Fair 11/12 (Helm)

- 9540 LIBERIA, VoA Monrovia. EE nx "African Safari" 333 (Brown)
- 9540 POLAND, Polish Radio. EE to Eur, nx, cmntry 433 11/18 (Cwikla)
- 9540 AUSTRALIA, RA. 1800-2030\* EE variety px, nx (Graves, Guarducci, L'hardt)
- 9545 GHANA, R. Ghana. #2045 Drum IS, ID, nx, cmntry. (Peters, Leonhardt)
- 9545 SOLOMON ISL, Honiara. 0230 very good level w/relay of RA EE nx 11/20 (Padula-Australia)
- 9545 BRAZIL, R. Universo. 0008-0125 PP futbol, many mentions of "Roberto" by excited announcer (Leonhardt, Zilmer, Schnabel, Guarducci)
- 9550 AUSTRALIA, RA. 1330 Thai tlk. 433 11/28 (Zilmer)
- 9560 JORDAN, R. Jordan. 1650-1730\* under ORTF, EE ID. Floor. (Mayer, Cwikla)
- 9560 ECUADOR, HCJB. 0230-0300 EE "DX Partyline" (CCDXA)
- 9570 POLAND, Warsaw. 0415 to 0515 f/o Polish HS, mx, a few ads (Behr)
- 9570 QATAR, QBS Doha. 1500 AA chants, 1530 AA nx. Weak. (Behr)
- 9570-2 CHILE, Em. Diego Portales. 2345-0320 SS political tlk, drama, ID's, mx, etc. (Brown, Leonhardt, Whitehead, Zilmer, Cole, CCDXA, Earhart, Robins) Note to CCDXA.....PP in Chile? HI! MRL
- 9575 ITALY, RA1. 2230-0300 II px to N. America (Schwartz, Fino, Cole)
- 9575nf AFGHANISTAN, R. Afghanistan. 1800 EE nx, wx, cmntry, ID's lcl mx 333
- 9575 INDIA, AIR Bombay. 1900 EE nx, lcl mx QRM//9525 (Behr) // (Roberts)
- 9575 GREENLAND, GR. #1930 lang, 2000 Danish nx, mx, tlks past 2200, often good //5980 but weaker (Behr)
- 9580 AUSTRALIA, RA. 1214-1314 EE px to N. Amer. //11710 G-E (Bromley)
- 9580 W. GERMANY, DW. 2200-2230 PP to SA, nx, cmntry QRM Havana (Fino)
- 9585nf USA, KGEI. EE svc to Asia w/ tlks, nx (Day, Padula-Australia)
- 9585 SOUTH AFRICA, RSA. 0245 EE ID, variety px. (Cole)
- 9585 SYRIAN ARAB REP. SBT. 1825-1840 OM tiking in FF. Bad QRM SBC on 9590 232 11/28 (Earhart) // (Guarducci)
- 9590 SWITZERLAND, SBC. 1530 EE "Dateline to Afr" (Zilmer); 1728 II tlk, mx
- 9590 CHILE, R. Pres. Balamaceda. 1010 ID, continuous tlk 211 (Gendron)
- 9590 NETH. ANTILLES, RN. 0200 SS px to SA (Brown, Fino)
- 9595 JAPAN, NSB (JOZ3) 0800 Glenn Miller mx w/JJ tlk 12/2 (Day)
- 9595nf INDIA, AIR Home svc. 1328-1334 IS & ID, then lang to 1332, 2 min. EE nx, then lang. 433 11/28 (Zilmer)
- 9605nf VATICAN, Vatican R. #0030 IS, bells, SS ID. E. (Estes)
- 9605 SWEDEN, R. Sweden. 1250 EE "Sweden Calling DXers" 433 11/20 (Zilmer)
- 9605 SAUDI ARABIA, Riyadh. 0530 AA tlk, 0605 EE ID over DW (Behr); Testing EE/AA 0620-0640 excellent here 11/5 (Padula-Australia)
- 9610 AUSTRALIA, VLR9 Perth. 1100EE w/pop mx, lcl nx VG. (Helm)
- 9610 BRAZIL, R. Tupi. 0100 PP tlk before RM s/on 422 11/25 (Zilmer)
- 9610t MAURITANIA, RNM. 0315-0420 AA chanting (Koran reading), non-stop almost an hour. Tlk in AA, AA mx. No recognizable ID 11/26 (Day)
- 9615nf W. GERMANY, DW Cologne. 1125 JJ nx ex 21650 useful level (Padula-Au)
- 9615 MOROCCO, RTVM. 2045 AA tlk, ID "Huna al Iza'at t'11 Mamlakat'al Maghreb'iyah min Rabat" 433 11/28 (Roberts); 2235 AA chants under Vatican Radio 222 12/3 (Leonhardt)
- 9615 USA, KGEI. 0500-0600 extended svc w/SS rel px 11/25 (Padula-Australia)
- 9620 YUGOSLAVIA, R. Belgrade #2159 IS, EE nx into FF @ 2215 (Peters)
- 9625 VATICAN, Vatican R. 1920 FF to Afr Intense QRM R. Sweden, also ORTF and unid AA speaker, all 9625. ex 17800 (Padula-Australia)
- 9625nf SWEDEN, R. Sweden. 1850 EE to Midwest ex 11705 (Padula-Australia)
- 9630 SPAIN, RNE. 0015 SS amcmnts, mx (Fino, Hardester) 0530 (Guarducci)
- 9635 BRAZIL, R. Aparecida. 0010 PP tlk, mx QRM RNE 9630 (Leonhardt)
- 9635nf SWITZERLAND, SBC. 1930 FF to Afr //15430. exc level (Padula-Austr)
- 9640 USA, UN Radio. 0130 SS United Nation coverage 333 (Brown)
- 9640 PORTUGAL, RTE/World Adv. R. 0515 F-G (Robins) Lang, details? MRL
- 9640 S. KOREA, KBS. 2110-2130\* EE nx, cmntry, ID 444 11/22 (Roberts)
- 9640 MONACO, TWR. 0520 EE rel tlks and hymns 11/12 (Helm)
- 9645 COSTA RICA, TIFC. 0300-0335 EE rel px (Earhart, Zilmer, Robins)
- 9645 BRAZIL, R. Bandeirantes. 2300-0030 PP sports, ID, tlks (Zilmer, Behr)
- 9645nf NORWAY, R. Norway. 1935 NN to Midwest. Severe QRM Vatican Radios European svc. Ex 17825 11/23 (Padula-Australia)
- 9548-50 GUINEA REP. R. Nac'l. 2310 FF tlk, Afr mx (Leonhardt); 0500//6392 (Shaw); 0255 (Hardester)
- 9670 PORTUGAL, VoHope. 2100-2115 EE rel px Sundays (Behr, Zilmer, Mayer)
- 9670 USA, KGEI. 0150 SS rel px. 11/12 (Brown)
- 9675 POLAND, R. Warsaw. 1600-1610 IS then into AA px. Fair 12/1 (Mayer)
- 9675 BRAZIL, R. Dairio da Maha. 0000-0100 PP nx, Coca-Cola comm'l, tlk. (Leonhardt, Brock, Zilmer)
- 9680 AUSTRALIA, VLR9 Melbourne. 0650 EE "Report from Canberra" (Day)
- 9680 FRANCE, ORTF. 1120 FF tlk 243 12/7 (Custodio)
- 9685 BRAZIL, R. Gazeta. 0000-0110 PP sports, tlks, mx (Zilmer, Brock, L'hardt)
- 9690 PAKISTAN, RP. 1530 EE ID and nx to 1545\* in QRM (Behr)
- 9690 USA, WYFR. 2200-2130 EE rel px (Cwikla)
- 9690 ARGENTINA, RAE. 0455 SS tlks, tangos (Guarducci)
- 9695 SOUTH AFRICA, RSA. 2300-0035 EE tlks, mx, nx (Brown, T. Smith)

- 9705 MEXICO, XERMx. 0235-0030 SS w/ latin mx, tlks (Cole, Brown)  
 9709.5 PERU, R. Tropical. 2230-2254\* SS sports, ID & mx (Behr)  
 9710nf ECUADOR, HCJB. 2115 GG to Eur via LR xed USSR. Ex 1775 (Padula)  
 9710nf USSR, RM. 0915 onward w/CC svc xed HCJB. (Padula-Australia)  
 9710 Cf Nov. LR. Report of Mauritius at 0520 is likely ORTF in EE (Behr)  
 9715 MALAGASY REP., RN Talata. 1830 AA px//17830 (Behr); 1940 new AA svc  
 tx formerly used for EE svc at this time on 9555 (Padula-Australia)  
 9715 PHILIPPINES, FEBC. 1300 ID, rel mx (Cole) Lang? MRL  
 9730nf AUSTRALIA, RA Lyndhurst. 2015 EE to Papua/New Guinea xed VoA G'ville  
 9740nf ROMANIA, R. Bucharest. 1530 II(?) P-F (Behr) // (Padula-Australia)  
 9740 LIBERIA, VoA Monrovia. 0300 EE ID (Brown)  
 9740nf CANADA, BEC Sackville relay. #2300-0030\* EE relay BEC World Svc  
 since 11/6 (Behr); s/on strong 11/23 (Padula-Australia)  
 9745 IRAQ, R. Baghdad. 1900 EE nx, mx, ID (Zilmer, T. Smith, Schwartz) Tent  
 1829 OM/YL tlk in AA w/AA mx. To noisy for ID (Day)  
 9745 ECUADOR, HCJB. 0241 EE tlk, mx. Excellent 11/27 (T. Smith)  
 9750 CHILE, R. Soc. Minera. 0300-0445 SS nx, mx, ID's (Helm, Zilmer, Mayer)  
 1055 continuous tlk 111 11/17 (Gendron)  
 9755nf LEBANON, RL. 0200 AA px, 0230 EE px P-F (Behr)  
 9755nf AUSTRALIA, RA Shepparton. 0900 EE to Asia. Ex 17820 (Padula-Austr)  
 9760 GUATEMALA, TGWA. 0638 EE rel px, hymns 11/12 (Helm)  
 9765nf TAIWAN, R. Liberty, Taipei. #1000 RR then jammed, xed VoA G'ville  
 PP svc co-channel 11/14 (Padula-Australia)  
 9765 ENGLAND, BEC. 0145-0245 SS to SoAmer w/mx, tlks 11/14 (Fino)  
 9775 ALBANIA, R. Tirana. #0000-0030\* EE px. New jamming slightly off freq  
 sometimes two jammers co-channel. Both very strong (Jones)  
 9780 CHINA, RP. 0100 EE nx, propaganda 11/21 (Brown)  
 9780 USSR, RM (Asian) 1130 EE to Australia... QSLed site as Nikolavavsk-  
 on-Amur. 342 10/28 (Cwikla)  
 9785 ISRAEL, IBA. 2030 EE nx. 443 11/19 (Zilmer)  
 9825 ENGLAND, BEC. 2240 CC talks 343 12/3 (Leonhardt)  
 9860 CHINA, RP. #1500-1555\*; #1600-1655\*; #1700-1755\* EE px to S & E Afr.  
 //7620 (Davis)  
 9900 CHINA, RP. #2330-0025\* VV px. (Davis)  
 9915nf ENGLAND, BEC. 2130 EE noted since 11/11 (Wooten-Morocco, Leonhardt)  
 1515 w/mx, ID (Cole)  
 9940 CHINA, RP. 0016 EE nx, cmntry. Poor. (Guarducci)  
 9971 CHINA, RP. 0200 EE nx, cmntry. 322 11/12 (Brown)  
 10010 N. VIETNAM, VoV. 1329 EE noted. Poor. (Jones)  
 10040 N. VIETNAM, VoV. 1300 EE nx, cmntry, mx 433 11/21 (Zilmer)  
 10060 UNID. 1224 CC or KK opera. Poor-Fair (Estes)  
 10110 CLANDESTINE, R. Espana Independiente. 1850 SS OM annor w/xylophone  
 type IS @ 1900. Mention of Espanol. Fair. (Wallace)  
 10248.5v ISRAEL, IBA. 1715 Hungarian; 1735 RR; 2200 FF. Some RTT QRM  
 (Behr); 2030 EE nx 222 11/19 (Zilmer)  
 11535 N. KOREA, R. Pyongyang. 2300 EE nx, mx 11/25 (Day, Leonhardt)  
 11600 CHINA, RP. 1353 EE ID, freq, "Internationale" //11650 (Leonhardt)  
 11650 Arof EGYPT, R. Cairo. AA chants, mx 242 12/1 (Leonhardt)  
 11650 CHINA, RP. 0125 EE tlk 444 11/11 (Brown)  
 11672 PAKISTAN, R. Pakistan. 1300-1405 pakistani mx, EE ID noted //15521a  
 (Zilmer, Peters); Noted 2045 (Wooten-Morocco)  
 11695 CHINA, RP. t/1 2235-2255\*; #2300-2325\* CC foreign svc. Good most  
 afternoons (Pacific time). (Davis)

o o o (MRL 12/18/73)

LATEST LATIN AMERICA NEWS, from Tony Jones, in Paraguay, via NU.

- Bolivia 3340, R. 27 de Diciembre nightly to 0200v s/off, mostly traditional Bolivian mx.  
 4276, R. Paitambi, often after 0100; short ID, no indication of QTH. S/off time unknown,  
 but still hrd after 0400. Pgm contains fair amount of speech, unable to make out  
 the nature of it.  
 4470 R. Molina seems to go late as still hrd 0530  
 4517 Unid, seems Bolivian, often abt 0145, SS annts & seemingly Bolivian music.  
 4600 Unid, presumed Guayanamerin, nitely past 0200, unable to make out ID.  
 4700 Unid, possibly San Miguel, around 0115-0200  
 4728v R. Abaroa, tentative, fairly regularly 0200-0450 s/off  
 4753 Unid, 0953, ads, references to Abaroa; het evenings, but 12/11 around 0150 with  
 Bolivian mx & SS annts.  
 4775 Unid, traditional Bolivian mx 1125 & 2125, Impossible to ID due to UTR QRM.  
 4795 Emis. Nueva America, regular evenings, modern pops, sports, etc. Only full ID is at  
 0500 s/off.  
 4824 Unid, 0232-0258 s/off, local mx, ads for Farmacia Santa Ana. Also 1120 w/rel pgm.  
 Evenings normally consists of one very loud het.  
 4875 Em La Cruz del Sur, only non-Brazilian hrd throughout day in Paraguay.  
 4935-37 R. Norte, fair to good most evenings, s/off 0400, not 0300.

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- 11535 N KOREA R Pyongyang 2344 EE, mx, tkl by YW, 232, (Leonhardt)  
 11600 CHINA RP 1353 EE, ID into Internationale, //11650, 343, (Leonhardt)  
 11630 EGYPT RC 1330 AA, AA chants, mx, 242, (Leonhardt)  
 11700 ISRAEL IBA 2005-2100 EE, nx, into RR at 2100, 322 (Zilmer, Padula-Australia)  
 11710 AUSTRALIA RA 1330, mx, s/off, (Cole)  
 11715 ALGERIA RTVA 2315-2345 AA, tkl, chants, ID at 2345, F-G (CCDXA)  
 11715 SWITZERLAND SBC 0145 EE, mx box IS, nx, mx, 444 (Brown)  
 11725 ISRAEL IBA 0500 EE, 0515 FF, 2040 EE, //9009, 9785, 342, 322, (Zilmer, Behr)  
 11730 NETH ANT RN 0630 EE, nx to NZ, E (Brown)  
 11740 USA OAS Bethany 2350 EE, tlks on Uruguay to SA, (Wootten-Morocco)  
 11755 ARGENTINA R El Mundo 2350, 0300 SS, LA mx w/IDs, sports, //15290, 323 (Zilmer, Day)  
 11755 BELGIUM ORU 1545 Afro Langs, to Africa per FF ann on 11-2, (Wootten-Morocco)  
 11755 USSR RM 0230 EE, ID, nx, (Cole)  
 11765 BRAZIL R Tupi 0015 PP, mx, tkl, 432, (Zilmer)  
 11770 MEXICO R Mex 1450-1515, SS ID at 1500 then YW in GG, (Peters)  
 11770 INDONESIA RRI Jakarta HS 2200-0515, generally quite good days (Padula-Australia)  
 11775 SPAIN RNE 1025 SS, to Americas, ½ hr earlier than listed, (Wootten-Morocco)  
 11720 The next three items were late and are out of order. USSR (Asian) \*0045-0515\* RR HS, all Moscow relay, no local px or ID hrd yet, (Davis)  
 11730NF USSR (Asian) CC svc, \*0000, all RM or RP&P, //11710 which \*2230 w/VV, then CC from 2300, both 0230\*, (Davis)  
 11750 MALAYSIA BBC 1229-1406, M&W play, strong signal, rapid fade, (Bromley)  
 11775NF SAUDI ARABIA BSKSA 2200 past 2330, AA px & chants, (Behr)  
 11780 MOZAMBIQUE RCM 0530, ID as LM Radio then rr mx, G (Mayer)  
 11785 BRAZIL R Guaiba 0000 PP, tkl, nx, 443, (Zilmer)  
 11789 INDONESIA RRI Jakarta overseas svc, NF ex 11715, Malay nx 0005, seems to alternate between 11715 and 11789, regular, (Padula-Australia)  
 11790NF SAUDI ARABIA BSKSA test EE/AA 1005 on 11-5, (Padula-Australia)  
 11790NF VATICAN VR \*1503 EE ID, lang tkl to SEA and India (Tuchscherer)  
 11795 GERMANY (FR) DW 1645 GG, ID, IS, also to 2100 in AA, F (CCDXA, Behr)  
 11805 PHILIPPINES VoA \*2200-2300\* Asian langs, 332 (Bowlsby)  
 11810NF ETHIOPIA ETLF 1730 FF, 1745 Fulfulde, 1830, 1920 Hausa, ID, drum, trumpet, nx, to west Africa, 354, xed Algeria, (Roberts, Padula-Australia, Behr)  
 11810 JORDAN R Amman, AA nx 1745-1800, Chants, tkl to 1810, 1930-2100 AA Palestine Rev px, AA ID given but not understood, mx, chants, 2100\* after fanfare, AA amnt, anthem, 242; 2300-0000\* AA, nx, mx, tlks, 443, (Mayer, Roberts, Zilmer)  
 11810 INDIA AIR 1330-1349 EE, GOS, nx, LD, Indian mx, 444 (Cwikla, Kelley, W. Peters)  
 11815 BRAZIL R Brasíl Central 2150 PP, tkl, IDs, futebol, F-P (Brock, Schnabel)  
 11815 NETH ANT TWR 0030 EE, IS, rel px, 333 (Brown)  
 11820 MEXICO R Dif de Sonora 1355 SS, mx, 433 (Zilmer)  
 11825 TAHITI RT \*0300 FF; 1610-1630 fade out, G; 2230 FF, //15170, F (Bowlsby, Bromley, Kelley)  
 11825 AUSTRALIA RA Lyndhurst NF ex 15140 EE to Asia at 1000 xed VoFC, 11-5 (Padula-Aust); 1325 EE, mx to Pac IS, 333 (Zilmer)  
 11828NF SEYCHELLES FEBA 1730 Urdu, 1745 EE, 1800 AA, 11-20, (Behr)  
 11830 NETH ANT TWR 2205 FF to Europe NF ex 11840 E (Padula-Australia)  
 11835 HAITI 4VHF 2250 SS, 2300 EE, s/off in SS w/ rel px and choir at 2258 w/ID and address on 12-5, abrupt off at 2303 in middle of EE px 12-3, 353, 554 (Bowlsby, Price)  
 11835 URUGUAY R El Espectador 0000 SS, ads, US pops, LA mx, 0030 SS daily, QRM de VoA on 11830, 0215-0254 SS, wrld nx, sports event, P-G, 0330 SS sports 353 (Bowlsby, Robins, Mayer, Earhart, Zilmer)  
 11840 AUSTRALIA RA 1815 EE, Bible readings to Pac IS, 443 (Zilmer)  
 11850 GHANA RG 2006-2100\* EE, 353 (Bowlsby)  
 11850 INDIA AIR 1230-1234 EE, nx, into lang, 332 (Zilmer)  
 11855 BRAZIL R America 2340 PP, mx, ID, (Cole)  
 11855 SAUDI ARABIA BSKSA \*1800-1828 AA, DJ w/mx, P-G (Kelley, Schnabel)  
 11860NF SWEDEN RS 1830 EE nx to Africa, 1920 Swedish to Africa ex 15240, 422 (Zilmer, Padula-Australia)  
 11860NF SEYCHELLES FEBA 1730 Urdu, 1745 EE, 1800 AA, hrd 11-22 (Behr)  
 11860 USSR RM 0220 EE, Moscow Mailbag, (Cole)  
 11865 ALBANIA R Tirana 1730 EE, nx, cmntry, Albanian rev mx, F-G (T. Smith)  
 11865NF SAUDI ARABIA BSKSA 1330 AA chants, ID and Anthem to 1407\* (Behr)  
 11865 BRAZIL R C de Pernambuco 0255, 0330 PP, mx, ID, 443, P-F (Zilmer, Robins)  
 11865-68v ZAIRE R Lubumbashi 1832 Political tkl in FF, G (Schnabel); 2205 non-stop high life mx, no ID, strong, Lubumbashi?, (Schnabel); Kinshasa 0030 local lang, Afro mx, P (Helm)  
 11870 SWITZERLAND SBC 1530 EE, dateline to Africa, 433 (Zilmer)  
 11870 UNID 1228 AA, AA mx, F-G (Estes)  
 11875 BRAZIL Bahia 1845 PP, FF mx, ID, G, unusual catch this time, (Schnabel)  
 11880 TURKEY VoT 2215-2230\* EE, band, concert, TT mx, tkl, //9515, 15195, 17820, 344, F (Price, Helm)  
 11880 AUSTRALIA RA Brisbane, 0645 EE to P/NG, sched is 0630-1000 10kw, tx is one used for standby work for ABC domestic svc, 12-1 (Padula-Australia)  
 11880 ARGENTINA R Splendid 0300 SS, sports, 443, (Zilmer)

- 11890a UNID R Raison 0400 FF, tlc, 12-7, 333 (Custido)  
 11890NF SAUDI ARABIA BSKSA 1700 AA, EE IDs to 2300a, (Behr); 2337-2350 EE ID, ann experim-  
 ental tx, then AA chants, 11-11, (Peters)  
 11890 USA VoA Greenville 2328 SS, nx, cmntry, E (T. Smith)  
 11890NF SEYCHELLES FEBA 1730 Urdu, 1745 EE, 1800 AA, 11-29, (Behr); 1745-1800 EE px on  
 EE literature, 11-24, replaces 11955, (Mayer)  
 11895 SENEGAL Dakar 2000\* FF, ID, NF, 333, (Schwartz)  
 11895 USA WYFR 2115 EE, rel px, NF ex 11885, 11-23, (Padula-Australia)  
 11900 S AFRICA RSA 2004\* FF, mx, 444 (Schwartz); 2211 EE, nx, mailbag, mx, cmntry, G-E  
 (T. Smith)  
 11900 USSR RP&P 1355 EE, nx, cmntry, ID, (Cole)  
 11905 SAUDI ARABIA BSKSA 1920 EE/AA test tx, over Austria, 11-29, (Padula-Australia)  
 11915 ECUADOR HCJB 0315 EE, rel px, //9560, 9745, 11745, E (Atkins)  
 11915 LIBERIA VoA Monrovia 2050-2110 EE into Albanian, nx, cmntry, anmts, G (Fino)  
 11920 IVORY COAST RTVI 2305-2400\* FF, 0725-0740 FF, mx, Afro and classical, ID, F-F  
 (Peters, Earhart)  
 11920 FRANCE ORTF 2008\* mx, 444 (Schwartz)  
 11920 SPAIN RNE 1430-1500 SS, cmntry, various mx, nx, 444, (Earhart)  
 11925 BRAZIL R Bandeirantes, 0230, 2155, mx, ID, anmts, futebol, G (Robins, Schnabel)  
 11925 USSR R Tashkent, Uzbek SSR, 1428\* local mx, ID, 333 (Leonhardt)  
 11925 GREECE EIRT Athens 2200 s/on w/poor signal, Greek, (Kelley)  
 11930 ECUADOR HCJB 0247 EE, tlc, mx, F-G (T. Smith)  
 11930 CUBA RHC 0120-0145 SS, SS mx, Castro Speech tr into EE, G (Fino)  
 11935 BRAZIL RC Paranaense 0030 PP, sports, ID, G on 11-15, (Behr)  
 11940 LIBERIA ELWA 1915, 2030-2145 EE, rel px, 443 (Zilmer, A. Smith)  
 11945 CHINA RP 0055 EE to NA, VG (Robins)  
 11950 BRAZIL R Min do Educacao 2230, 0235 PP, nx, class mx, ID, anmts, G, 443, (Robins,  
 Zilmer)  
 11955 USA VoA Greenville 0000-0020 PP to Brazil, nx, lte mx, ID, G (Fino)  
 11958.3 GUINEA RDN Conakry 1700 African lang tlc, mx, 11-23, (Behr)  
 11960 ETHIOPIA ETLF 1930 EE, 1930-2015\* EE to W Africa, ex 11890, nx, cmntry, 433,  
 (Zilmer, Padula-Australia)  
 11960 USSR RP&P 0030 SS, ID, time pips, mx, 333, (Brown)  
 11965v GUINEA LV de la Rev Conakry 2240 FF and Vern, tics abt PP colonialism, IDs, QRM  
 after 2300, 353, (Roberts)  
 11970 S AFRICA RSA 2330-2350 EE to US & Can, M&W with nx, anmts, lte mx, ID, IS, G (Fino)  
 0300 Swahili, nx, mx, F-G, (T. Smith)  
 11970 USA VoA Greenville, 1900-1930 EE and special AA, varied mx, some QRM, F (Fino).  
 Nothing sched this time, Kavala Greece listed at 1200, above may be Kavala-ed.  
 11990 CHINA RP 2330-2355 Thai?, CC at 0000-0055\*, usually quite strong, over Vladivostok  
 some days, (Davis)  
 12000 AUSTRALIA VNG time station 2143 EE, 10-28, (Wootten-Morocco)  
 12050NF ISRAEL IBA 1530 Hebrew HS, mx, tlc, to 1728\*, F (Behr)  
 15012a N VIETNAM VoV \*1300 EE, F-P\* most days, nx, 353, (Word, Zilmer)  
 15060 CHINA RP 0015 EE to NA, F (Robins)  
 15084 IRAN RI 1440-1500 Farsi, rapid fade but G, (Bromley)  
 15100NF ISRAEL IBA 2030 EE, nx, ex 15105, (Padula-Australia)  
 15105 WINDWARD IS R Grenada 2100 EE, nx, request mx, 433, (Zilmer)  
 15105 JAPAN NHK 2315-2335, EE nx into JJ nx at 2330, (Peters); 0000, gen svc, better than  
 //15195, VG (Robins)  
 15110NF? CZECHOSLOVAKIA RP 1625, mx then IS, P, QRM de HCJB 15115, (Brock)  
 15110NF MALAGASY REP RN 2000-2025 FF to Africa, ex 15105, xed RNZ, //15220M, 17830B,  
 (Behr, Padula-Australia)  
 15120 SAUDI ARABIA BSKSA 0755, AA ID, test tx, very strong 11-11 (Padula-Australia)  
 15130 USA WYFR 2100 EE to 2200\* , rel px, IDs, EE to Africa, F-P (Morlan, Burlew)  
 15135 BRAZIL R Panamericana 2130 PP mx, ads, 2146 telephone call-in px, (Ball, Schnabel)  
 R Soc da Bahia 1900-2150\* PP, sports, 11-11, (Behr); 2330 PP, R Record, tlc, mx, P  
 (Guarducci)  
 15140 CUBA RHC 2100 EE, to Europe, usual px, F-G (Morlan)  
 15145 SPAIN RNE 2003, fanfare, SS ID by W, G (Wallace)  
 15145 BRAZIL R Jornal do Comercio 2150 PP, Futebol, QRM de RNE, (Schnabel)  
 15150 USSR HS, Minsk?, 1300-1530 RR, W ann, some tlc by M, vocals and classical mx,  
 TC, G (Earhart)  
 15155 BRAZIL R Tupi 2144, 2345, 0243-0404\*PP, tlc, mx, ads, futebol, F (Earhart,  
 Guarducci, Schnabel)  
 15155 FRANCE ORTF 1531-1545 EE, nx, //15295, 15135, 544 (Zilmer)  
 15165 DENMARK RD \*1327-1345, 1412-1430 Danish w/EE ID at S/on, tlc, px to Greenland,  
 rapid fade, usually good, (Bromley, Peters)  
 15170 TAHITI RT 1745-1754 EE, nx, then into FF, mx, 433 (Zilmer, A. Smith)  
 15170 LIBERIA ELWA 2010-2030 Vern, chants, ID, mx, rel px in a vern, F-G (Earhart)  
 15175 USSR R S Atlantica, 1220-1315 RR, M&F ann. tlc, orchestra and vocal mx, 333,  
 (Earhart)  
 15175 S AFRICA SABC all night svc, 1840-1930 EE, mx, parody of Sir Walter Raleigh's  
 discovery of tobacco, 333 (Schwartz)  
 15185 FINLAND RF \*1400-1430 EE, nx, cmntry, letter box, F-G (Atkins, Earhart, Bromley)

- 15190 BRAZIL R Inconfidencia 0800-0815 PP, vocal and instrumental mx, 252, (Earhart)  
 15190 CONGO RTVC 1955-2115 FF, mention Brazzaville, (A. Smith)  
 15190 ETHIOPIA ETLF? EE to India, F (Schwartz). Time?  
 15195 JAPAN NHK 2314 EE, nx, 242 (Cwikla)  
 15200NF BELGIUM ORU \*1540 IS, 1545 Congo lang and mx, diff. on //15315, (Behr)  
 15220 HOLLAND RN 2015 FF, mx, 2020\*, 443 (Brown)  
 15220 MALAGASY REP RN 2030 FF to Africa NF ex 11730, E (Padula-Australia)  
 15240 GERMANY (DR) Stimme der DDR 1422-1430\* GG, ID, G (Schwartz)  
 15240 YUGOSLAVIA R Belgrad 1524-1530\* FF, amts, ID, F (Schwartz)  
 15240 SWEDEN RS \*1400 EE to SEA, better than 21615 to NA, F, 422 (Jones, Zilmer)  
 15250 USA KGEI 0030 SS rel px, 333, (Brown)  
 15265 AFGHANISTAN RA 1800-1830 EE, (A. Smith)  
 15275 CLAND R Libertacao 2230 PP, ID by M then tlc, F, //6240 E, 11-21, (Burlew)  
 15280 USA KGEI 2200 SS, tlks, cmtry, 444, (Goldman)  
 15290 ARGENTINA R El Mundo 0300 SS, sports, 453, (Zilmer)  
 15305 HOLLAND RN Lopik, 0930-1050 EE, special test to A/NZ on 11-4, severe QRM from BBC FES 15310 and FEBC 15300, (Padula-Australia)  
 15315NF BELGIUM ORU \*1540 IS, 1545 Congo px, (Behr)  
 15315 ECUADOR HCJB 1745 EE and Euro lang, rel px, ID, mx, 343, (Earhart)  
 15335 S KOREA R Korea 0300 EE, 0445-0500 SS, new svce, nx, cmtry, mailbag, (Day, Padula)  
 15345 ARGENTINA R Nac 1657-1745, 2000 SS, classical mx, few interruptions, pips and ID at 2030, (Brock, Peters)  
 15350 LUXEMBOURG RLI 1630-1700 FF, pops and tlc, 343, (Earhart)  
 15355 AUSTRALIA RA 1830-2030\* EE to Pac., mailbag, G, 443 (Behr, Zilmer)  
 15400 ITALY RAI 1851\* IL, 444 (Schwartz)  
 15410 USA UNR Greenville, 1800 FF, UN summary, G (Atkins)  
 15417.5 UNID 1900 EE, nx by YW, 1918 mx, 1929 AA or similar, (Behr). Kuwait? ed.  
 15420NF HOLLAND RN Lopik 0930 EE special test to A/NZ on 11-4, xed BBC Cyprus, (Padula-A)  
 15425NF GREECE EIRT 1300 Greek to Iberia, xed DW, NF ex 11720, 11-24, (Padula-Australia); Also special 1 wk test to Australia 0800-1000, quite useless due to ABC Perth also on this freq, // normal 21460, (Padula-Australia)  
 15425 CUBA RHC 1440-1500 SS, pops, orchestra, vocals, F-G (Earhart)  
 15435 MALAYSIA BBC 1840 EE, px abt orchestra, F (Atkins)  
 15435 TANZANIA R Tanzania Dar es Salaam, 1800-1810\* EE/Swahili, drums, TC, ID, nx, pops, Swahili tlks, "Frelimo" px at 1830, QRM AFRTS, 1919-1940 EE, P-E (A. Smith, Roberts, Schwartz, Robins)  
 15440 PHILIPPINES FEBC 0000 EE, Lang lesson, 342 (Zilmer)  
 15440 USA WYFR 1700-1930 rel px, former property of Bonneville Int now owned by Family Stations Int., studios in Oakland, CA, tx in Mass, (A. Smith)  
 15445 JAPAN NHK 0000, NA svce, VG (Robins). EE-?.  
 15447 BRAZIL R Nac Brasilia 0320-0340 SS, LA mx, ID 0322, (Peters)  
 15455 USSR HS Malay px 1735, G (Robins)  
 15475 EGYPT R Cairo 1400 AA, chants, 453 (Zilmer)  
 15521a PAKISTAN RPak 1300 EE, nx, UTE QRM, 322 (Zilmer)  
 15630 N KOREA R Pyongyang, \*2300-2355 EE to SEA still good most days, strong, sound quality not so good, (Davis)  
 15790 CLAND VoMalayan Rev \*2200-2359\*, //7305 also occ. hrd, usually much weaker, (Davis)  
 17625 EGYPT R Cairo 1320 AA, tlc, mx, F (Estes)  
 17700 USSR RP&P 0900 EE, //17720, 17730, 17745, 17805, 17900, 21505, 21600, 21635, 15360, greatly expanded programming for this svce, (Padula-Australia)  
 17705 ENGLAND BBC 1530 EE into Swahili, G (Jones)  
 17720NF USSR RM HS 2230 then into EE for NA 2300, NF via far east site, //17775, 17870 hrd. (Padula-Australia)  
 17730 MALAGASY REP RTVM 1500 EE amnt and mx, 1532 EE nx, 1538-1600\* mx, s/off w/anthem, QRM ORTF, (Behr)  
 17740NF GERMANY (DR) RBI 0700-0730 EE to SEA, ex 15425, (Padula-Australia)  
 17745 GREECE EIRT 0900-1000 special test to Australia 11-18, useless due to Cairo also on freq. // normal 21460, (Padula-Australia)  
 17780NF RWANDA DW Kigali 0920-1020 EE to A/NZ, Fair, ex 15390, 11-11 (Padula-Australia)  
 17790NF USSR RM Indonesian svce here 0730-0800, hrd //17815, 17745, 17865, 17840, 17900, 21600, 21635, (Padula-Australia)  
 17790 ENGLAND BBC 1600-1630 EE, world nx, amts, QRM, fading in from F-G (Fino)  
 17795NF USSR RM CC svce, 0745-0800, //17710, 17805, 21530, 17835, 17845, 17860, (Padula-A)  
 17800 NORWAY RN 1400-1430\* EE, P (Jones)  
 17830 GERMANY (FR) DW 1406-1425 GG, nx, cmtry, (Peters)  
 17840t ASCENSION IS BBC \*1419-1615\* EE WS, E, no local ID, (Behr)  
 17840 CYPRUS BBC \*0415 EE WS to Aust, E (Padula-Australia)  
 17865 USA WINB \*1702-2000\* EE px, 1800 Dr. McIntire tlc abt RFA, (Behr)  
 17880 PORTUGAL RP 1415 PP, soccer, QRM HCJB, 422, (Zilmer)  
 17885 S AFRICA RSA 1840 EE, DX corner to UK, 453 (Zilmer)  
 17920 EGYPT R Cairo 1400 EE, nx, 353 (Zilmer)  
 21475 GERMANY (DR) RBI 1515 FF, tlc, mx, to Africa, (Zilmer)  
 21460 GREECE EIRT \*0800 Greek to Aust, NF ex 17745, usually good, (Padula-Australia)  
 21520 SWITZERLAND SBC 1530 EE, Dateline to Africa, 232 (Zilmer)  
 21535 S AFRICA RSA 1400 EE, live sports, F (Jones)

21565NF ALGERIA RIVA 1000-1200 AA svc. noted from 11-19 (Padula-Australia)  
 21600 GERMANY (DR) RBI 1515 FF, tlk, mx, to Africa, 443 (Zilmer)  
 21615 SWEDEN RS 1400 EE, nx to ENA, 444 (Zilmer), P (Jones)  
 21620 FRANCE ORTF 1326\* FF, ID, NF, 333 (Schwartz)  
 21625NF PAKISTAN R Pakistan HS 0900 Urdu nx, ex 21510, 12-1, (Padula-Australia)  
 21665NF USSR RM HS 1130-1200, xed RFE co-channel, 11-19, (Padula-Australia)  
 21680 CZECHOSLOVAKIA RP 1530 EE, Mailbag svc to Asia, (Wootten-Morocco)  
 21695 ITALY RAI \*1500 II, drum beat IS  
 21755 GERMANY (FR) DW \*1415 on LSB in Lang, feeder, 453 (Zilmer)  
 25790 S AFRICA RSA 1330 EE, world of mx, //21535, 454 (Zilmer)

With this LR I have begun my second year as the Log Report editor for the higher frequencies. It has been a good year and I hope I have been of some small service to the DX community. We all are grateful for the generous service of those who help produce FRENDEX, including you, the contributors to the Log Report. I hope the New Year will bring you lots of good DX.

73s to all

Jerry A. Lineback

LATEST LATIN AMERICA NEWS, continued from page LR-C-4

4980 R. Juan XXIII, LV Catolica de Titicaria, somewhere in Dept. of Santa Cruz. Hrd most evenings to 0230 s/off. Also in the 1000-1100 slot, with Bolivian mx.  
 5125 Unid about 0200 w/1/2 hr nx pr, heavy UTE, but ID as "Escucha Radio...La Vos Catolica de...La Paz, Bolivia."  
 5965 R.Nac. de Huamuni, Bolivian mx 0355, ID before 0400A. No mention of LV Sindicalista del Minero.  
 9605 tent R.Pirai or Pirai Rdfn, daily before 1115 to 2045, modern pops, mx.

Chile

6100 Unid around 1430 daily, seems to be in Santiago, almost impossible after dark.  
 9590 R.Pres.Balmaceda, fair afternoons.  
 9630 R. El Loa, nothing hrd despite clear channel.  
 9690 R.Cooperativa(LV de Chile) regular 1400, but unid jammer on 9688.  
 15150 R.Corporacion back again 12/15, 2100 SS mx.  
 9750 R.Mineria, best of all Chileans from 1400 on.

Peru

4975 R. del Pacifico, often, EE nx 0200, followed Tues-Sat by EE rel pgms to 0300.

Paraguay

5237v R.Nacional, Sundays & occasional weekends 1700-abrupts s/off 2100a, with relays of other ZP stations. Channel also carries UTE transmissions. Genuine B C or just the engineer fooling around? Note: not 5273  
 5980 R. Guaira, daily sked 0800-1700, has GG pr, La Hora Alemana" 1100-1200 Sundays.  
 6015 Em.Paraguay, seems to relay MW pr w/only occasional breaks in tx.  
 6025 R.Nacional, continuous relay of MW pgm from abt 1300, separate from stn on 5237 kHz.  
 6110 R.Caritas, highly erratic sked between 1000 & 1600. Seemingly no fixed tx times.  
 11947 R.Encarnacion, currently off the air.  
 15210 R.Guarani, currently off the air.

Uruguay

4945 LV de Artiga, Sun only, from before 1530. Noted to past 2200 and tentatively, stn goes off the air at 0205, after unknown military anthem

OK, NA DXers, go after them!...This information from Tony Jones tells you where they are! And many thanks to Tony Jones and NU for the material.

HELPING HAND FOR SALE: One Allied SX-190 receiver in excellent condition. Matching spkr included. Will be sold to highest bidder. More than \$250 invested in the set. Contact Woody Seymour, Jr., Box 6677 Reynolds Station, Winston-Salem, NC 27109

FOR SALE: Telex Communication Head Phones, model #CS-7. Mint condition in original carton. Write Corky Webb, 4014 Travis, Apt.4, Dallas, Texas 75204.

NEW BAND SURVEY NOW AVAILABLE The NASWA LOW FREQUENCY BAND SURVEY(1605-4000 KHz) is now available. Cost is merely the postage. That's got a string attached, though, since you have to attach a long self addressed envelope to the postage. All of which is the long way around the block to say that you can have a copy for a long self addressed stamped envelope with 24 cents US postage attached. (After March 1 the postage goes up, so order it know.) Canadian/other NA members may send 2 IRCs and the long envelope, self addressed. Overseas, the cost is 3 IRCs for seammil, 6 IRCs for airmail. Will be mailed overseas only to members. Non-members overseas must pay additional charge of 6 IRCs, plus the postage cost. Order from NASWA, Box 8452, S. Charleston, WV 25303 USA.

Thanks to this month's 54 reporters...Again lots of first time reporters and some that probably have not reported for a while. A few late reports this month due to slow mail delivery, so if your name is not on this list, that's why.

ATKINS, Kevin, Shelby, Alabama . . . . . Star Roamer  
 BALL, David R., Downsview, Ont., Canada . . . . . DX150A  
 BEHR, Ernie, Ottawa, Ont., Canada . . . . . R4B/XCR30  
 BOWLSBY, Jeff, Vancouver, B.C., Canada . . . . . SP600  
 BROOK, Pauline, Montreal, Que., Canada . . . . . SX190  
 BROMLEY, Albert, Toronto, Ont., Canada . . . . . SPR4  
 BROWN, Mark J., Minster, Ohio . . . . . DX-150B  
 BURLEW, Doug, York, Pennsylvania . . . . . SX190  
 CCDXA-Crazy County DX Ass'n (Steve Wallace/Doug Burlew) .SX190/DX150A/A20  
 COLE, J., Denver, Colorado . . . . . SX190/SW4A  
 CORSON, Kent C., Dubuque, Iowa . . . . . HQ200/A20  
 CUSTODIO, Larry, Brooklyn, New York . . . . . Hallcraft 520R  
 CWIKLA, Tom, Wethersfield, Connecticut . . . . . DX150A  
 DAVIS, Bill, Laguna Niguel, California . . . . . Homebrew  
 DAY, Edward, Auburn, California . . . . .  
 DEXTER, Gerry L., Lake Geneva, Wisconsin . . . . .  
 EARHART, Kenneth A., Allentown, Pennsylvania . . . . . DX150A/SX190  
 ESTES, Steve, Newport News, Virginia . . . . . SX190  
 FIELD, Marlin A., Benton Harbor, Michigan . . . . . SX100  
 FINO, Henry E., Rochester, New York . . . . . 1936 RCA Victor Console  
 GENDRON, John C., Arlington, Virginia . . . . . SX190  
 GOLDMAN, Roy, Baltimore, Maryland . . . . . SX110  
 GRAVES, Lee, Hardin, Montana . . . . . R4B  
 GUARDUCCI, Ciro, Cassiar, B.C., Canada . . . . . Lafayette HA600A  
 HARDESTER, Mike, Modesto, California . . . . . Barlow Wadley XCR-30  
 HELM, Joseph L., Odon, Indiana . . . . . R4C  
 HENDERSON, Dan, Laurel, Maryland . . . . . SX190  
 JONES, Jimmy C., Nashville, Tennessee . . . . . DX150A  
 KELLEY, Greg, Staunton, Virginia . . . . . Zenith Transoceanic 7000  
 LEONHARDT, Mac R., Richmond, Indiana . . . . . SB-310  
 LINDBACK, Jerry A., St. Joseph, Illinois . . . . . SPR4  
 M.A.D. - Manitoba Area DXers - DXpedition at Big Whiteshell Lake 12/2/73  
 (Bill Hood, Jim Roberts, Ed Schykowski, Cobber Henteloff & Ray Barton)  
 MAYER, Alan, Park Forest, Illinois . . . . . SB-310/DX150B/NC173/A20/BC221AH  
 MILLER, Albert A., Youngstown, Ohio . . . . . HRC-500  
 ODDX - Old Dominion DX Ass'n., Norfolk, Virginia . . . . .  
 PADULA, Bob, Surrey Hills, Victoria, Australia . . . . . Marconi CR100  
 PATTERSON, Carroll R., Decatur, Georgia . . . . . SX-99  
 PERDUE, Neal, Millington, Tennessee . . . . . SB-313/HA-600A/SW4A/Q-Box  
 PETERS, Wallace N., Stewart Manor, N.Y. . . . . SB-310/Grundy 600I  
 PRICE, Bryan D., Lexington, Kentucky . . . . . DX150B/GAY-46077  
 ROBERTS, James E., Winnipeg, Manitoba, Canada . . . . . Kenwood 9P-59D  
 ROBINS, Andrew, Kalamazoo, Michigan . . . . . SX190/SX28A  
 SCHNABEL, George, Rochester, New York . . . . . SW4  
 SCHWARTZ, Richard A., Dover, Delaware . . . . . SX190/S-108/BC221AK  
 SHAW, Edward C., Norfolk, Virginia . . . . . SP-600/Super-X190  
 SMITH, Arthur, Wilsonville, Alabama . . . . . BC342N  
 SMITH, Todd, Wilton, Connecticut . . . . . GR64  
 TUCHSCHERER, John, Neenah, Wisconsin . . . . . HQ100A  
 WALLACE, Steve, Lewiston, Pennsylvania . . . . . DX150A  
 WHITEHEAD, Jim, Reading, Mass. . . . . SX190  
 WORD, Jerry, Atlanta, Georgia . . . . . DX150A  
 WILLIAMS, Dave, Astoria, Oregon . . . . . SPR4/75S-36  
 WOOTTEN, Charles A., U.S. Navy, Morocco . Zenith Transoceanic/SRR-13/R-390  
 ZILMER, Robert, Milwaukee, Wisconsin . . . . . SPR4

o o o (MRL)

"DX Limerick" Contest....Early indications are that response to this contest is going to be greater than anticipated. Here's two of the best received thus far:

To my mailbox FRENEX did sprint,  
 When I opened it, fresh from the mint,  
 Much to my surprise,  
 What greeted my eyes,  
 Was a C. Loudenboomer reprint.  
 (Diane Lévesque, Carbondale, IL)

There was an eager DXer named Sam,  
 Whose heart was set on Siam,  
 But by dawn's early light,  
 After trying all night,  
 All he'd heard was the voice of a ham.  
 (Mac MacLeod, Erie, PA)

Keep those cards and letters  
 rolling in folks. (MRL)

FLASHSHEET

The Flashsheet is published twice monthly by NASWA, Box 8452, S. Charleston, West Virginia

JANUARY --- 1974

Freq: KCS

TIME: GMT

AL NIBLACK, Editor, 420 Shelby St., Vincennes, Ind. 47591 DEADLINES 15th & 26th Month  
\*\*\*\*\*  
AFGHANISTAN 9575 Kabul at 1730 GG, 1800 into EE, fair lvl on new fgy. (Ernie Behr, Canada)  
ALGERIA 11910 RTVA, 1901 EE prgm, 1929 Kabul or FF; same EE prgm was noted on 15417.5,  
in Nov. Now on //15420. (Ernie Behr)...11910 RTVA logged with EE, an IS at 1930, into AA(?).  
Annot also a 19 MB fgy. Weak with QRM. (Jim Roberts, Canada)  
AUSTRALIA 9680 VLR9 with good sigs in EE prgming at 0700. (Lewis Werner, Calif.)...11855  
Noted in Pidgin to Papua/NG, 0630-1000, 10kW from Brisbane, //9755, QRMed. (August Balbi,  
...15355 Melbourne in EE, 1800-1827, music and comments, signal good. (Grady / Calif.)  
Ferguson, S.C.)  
BELGIUM RTB is using new 6055 from 2215-0100; Belgium Speaking(EE), is on the air 2255-  
2315; 0040-0100. The choice of fgy is better than before. My report to them as an ANARC  
Monitor helped to get them to move, I am sure. Fair to good lvl. (Bob Zilmer, Wisc.)  
BOLIVIA 5021.2 R. Universo, \*1000 ID, Andean mx, Aymara amct, steadily here. (Ernie Behr)  
BRAZIL Following info was received direct from Robert Veltmeijer, Sao Paulo, to Bob Zil-  
mer: 5045 R. Guanabara was closed by federal authorities effective past Nov. 22...6045  
R. Clube Paranesse is now back on the air, through //11935 not heard...9645 R. Bandeirantes  
is closely linked with R. Cultura de Pocos de Caldas, with 4885, used by latter...15135 R.  
Record, possibly R. Panamericana, are in the same organization, and both use this fgy.  
Also, R. Sociedad da Bahia uses the fgy. I have logged all three on this channel...11876.7  
R. Societas da Bahia, 2330 PP ID, strong lvl but distorted. Off the air for a long time.  
(Ernie Behr) (Regarding the confusion in Brazilian beasting, its suggested that the report  
to the FS direct, by Jack Perolo of Sao Paulo, which was edited into the Dec. Mid-Month  
FS, is required reading; It detailed fully the changes being effected by DENTEL (the Brazil-  
ian counterpart of our FCC) in Brazilian beasters; the reassignment of fgy's, etc. And,  
channels and transmitting swaps are taking place, because of the efforts of beasters to  
reduce operational costs. R. Record is the one operating on 15135. To those not under-  
standing FP, many erroneous observations and reports are being circulated. (Repeated in con-  
densed form because of importance, Editor)...15445 ZYN32 noted 2340-2356 with amct's in  
EE, and asking for reports, 12/9. (Grady Ferguson)...R. Farroupilha, Porto Alegre, is temp-  
orarily off the air on Sw. (Bob Zilmer)  
CHAD 4904.5 RNT, 2115 FF, AA, and vernacular to 2131\*; on Sats till 2300\*. Is now a regul-  
ar powerhouse, must be a new hi-power transmitter. (Ernie Behr)...4904 Good and clear 12/15,  
till 2300\*, Afro music, FF, drums, and national anthem. (Russell Lay, Va.)  
CANADA 9740 Relays the BBC 2300-0030, in news 0000, strong sigs, is CBC, Montreal. (August  
CAPE VERDE IS R. Barlavento, 3930, in music and PP, 2345, and QRM. (Ed Insinger) / Balbi)  
CHILE 6099.2 R. Calama, \*1000 SS ID, news, fair on 12/8...6150 R. Cooperative, 0435, SS  
songs to 0530, //9689. (Both credits to Ernie Behr)...05959, Santiago, 9590, 1045, in SS,  
mention of Chile several times. (Joe Helm, Indiana)  
ECUADOR 3280 This seldom reported one heard with clear ID, 0205 to 0300 period, definitely  
LV del Napo. All in SS, difficult due to QRM. (John Tuchecherer, Wisc.)  
EL SALVADOR 5980 YSS at 0145 in SS, then mixes badly with SEC S/on shortly. (Ed Insinger)  
GREENLAND 11745 Ed Insinger is vy pleased with a QSL just in for Godthabb, standard card.  
GREECE 9520 R. Athens, 1800 Greek prgm and music to 1850\*, vy good lvl. (Ernie Behr)  
GULIANA (P) 3385 From 0120-0145, Cayenne, with FF IDs, orchestral music, QRM. (Ed Insinger)  
HAITI 6156 R. Citadelle, lt music, 1125, "La Voix de l'Ave Marie, FF prgming, has re-  
turned to old fgy. (Ernie Behr)  
INDONESIA VOI, Jakarta, 11790, heard past 2350, an ID in II, ditto in EE, also EE news.  
Quality is generally poor to fair. The IS similiar to electric chimes. (Jim Roberts, Canada)  
...5987 Regional YDS, 1130 on 12/16, man and woman annrcs, music between items, asking  
for reports, gave QTH, two IDs. (Joe Helm)...11790 VOI noted here in a move from 11704,  
EE news 0900, IDs as, "Voice of Indonesia, Djakarta". (August Balbi)

NASWA-FRENDXFLASHSHEET

JANUARY 1974

IRAQ 9635 R. Baghdad, 1400 unid language, & AA music till 1448\*V. Listed as Voice of Iranian Kurdistan, but seems to be regular Baghdad bcst with R. Baghdad IDs. (Ernie Behr)

ISRAEL 9009 IBA testing in SS, 0000-0030\*, with constant IDs. (Bob Zilmer)

ITALY 6060 RAI at 2300 in Italian, music, national prgm to Europe, poor signal 12/15. (Bob Zilmer) (This is definitely Regional Caltanissetta, Sicily, Bitor)

IVORY COAST R. Abidjan noted in EE, 11920, 1850-2000, news, music, back to FF. (David Balt-

MALAYSIA 6175 Kuala Lumpur, ID at 1145 in EE, news and music. (Joe Helm) / (more, Md.)

MONACO TWR, Monte Carlo, "Back to the Bible" in EE, on new 7100. (August Balbi)

NEW ZEALAND RNZ S/on 0600 on 9540, 11780, reaching good lvl by 0600. (Lewis Warner, Calif.)

PAKISTAN 11693 APK Pakistan, 1410-1454, 1445 into EE, but RTTY QRM. (Grady Ferguson)

PHILIPPINES (TENT) 3286A What seemingly could be PBS logged in EE 0221-0338, a taped show, TCs, jazz, Christmas music. A deviation in TCs. (Dennis Dean, Ohio) (Dennis, its 10:30 AM approx, local time there, propagation unlikely. More possibly Action R, Guyana, Editor)

SENEGAL 11895 Dakar 1800-2100, good in all FF, no EE news at 1840 as listed. (August Balbi)

...Bliff du Senegal is back on 11895; FF news to 2240, drums, ID, TC, into music. (Jim

SEYCHELLES 11890 FEBA in move from 11955, is good and clear, EE religious prgming / Roberts) at 1745. (Russel Lay, Va.)...FERA, 11890, new fcy, logged on Sats 1745, DX Prgm. (August

SWEDEN Cablegram direct from RS, effective 12/19, new 6035, will replace 6000, from / Balbi) 0000-0230, bcst to ECNA; also, 17710 new, 1400 to 1530, to ECNA. (Bob Zilmer)

ST. HELENA IS (FLASH) In letter from Director E.M. George direct to NASWA; confirmed they tested in August on 6100 and 11830. Desires good QSL policy. (Ed Shaw, Va.)

USA 9690 WYFR noted 2100 with Chapel of the Air. (R.A. MacLeod, Ohio)...Sked for WYFR, S/on 1700-15440, EE; 1930-15130, EE; 1940-9690, 17760, EE. Is former WNYW. (Lewis Warner, Calif.)

VATICAN 11790 VR new fcy, 1515-1528, in EE, to SE Asia, closing 1528. (Grady Ferguson)

VENEZUELA 4821 VVTA, Barquisimeto, 0330 mx, SS IDs, to 0400\*. (Ernie Behr)...4900 R. Juventud definitely back on the air, noted 0030-0130, BIG lvl, in all SS. (Al Miller, Ohio)

Vietnam(N) 7175 VVWN, 1200, in VV news and commentary, fair lvl. (Ed Insinger)

USSR 4780//5065 Petrozavodsk, Karelian SSR, 0515 local ID and own RR prgm, 0531 WR, Moscow HS continues 0545. Several local IDs heard on both fcy's. (Ernie Behr)

YEMEN (PDR) 11770 Possibly Adem, with new 100kW transmitter, weak AA prgm at 1645. (Ernie Behr)

ZAMBIA 11865 Lubumbashi strong lvl in FF mostly, 1900-2230, no EE. (August Balbi)

ZAMBIA 9580 R. Zambia, 2035 EE talks for, "Namibia", 2110 African talks, 2132 ID and music. Noted 12/15. (Ernie Behr)

PIRATE 5035V "Wild Turkey Radio", noted several days, 0500-0558\*, 0530-0630\*, 0330-0402\*, Dec. 6 to 10. EE talks, lots of profanity, also a "DX Corner", with some items straight out of FRENDX. Amod 5075, and a regular sked at 0530, every Friday GMT. Lets hope this is not a NASWA operation, Hi! (Ernie Behr)...Radio Valleri, Dublin, IRELAND, QRA is D4 B.I.R.M. Cleton Avenue, HOVE, SUSSEX, ENGLAND, 6317, FLASHES that on the 20th and 27th of January 1974 (or on the Sundays nearest to these dates) that they will be doing two special programs at 5:00 AM (0000 GMT) for No. American DXers. Try to pick us up. Special QSL cards are being prepared for the event. Output is 100 watts. (THIS VIA A.E. MARTIN, Lancashire, ENGLAND)...

LATE MINUTE FLASH 12055 (TENT) Thought to be IBA, Jerusalem, on a Sunday from 1445-1527, with pops, ads, news in Hebrew (or Yiddish). An IS of six pips at 1500. Tel Aviv mentioned, also, Shalom occasionally. (A.E. Martin)

SEE NOV. FS 4780 Report of Djibouti at 0700 seems highly unlikely from New York State, since its 1000 AM local time in Afars; the reporter also did not mention Benako, Mali, which is strong on 4781V, at that time. (Ernie Behr)

NOVEMBER 1973: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 12-5-73- 1-31, 2-33, 3-23, 4-20, 5-0, 6-0, 7-0, 8-0, 9-0, 10-0, 11-7, 12-0, 13-9, 14-11, 15-12, 16-13, 17-12, 18-16, 19-22, 20-16, 21-23, 22-29, 23-39, 24-37, 25-38, 26-54, 27-56, 28-54, 29-54, 30-55

MEAN-22.1 PREDICTED: DEC-27 JAN-26 FEB-25 MAR-24 APR-23 May-22 (Grady Ferguson)  
ACKNOWLEDGMENT To all those who supplied so much excellent material for this effort. Your continued assistance is appreciated. Considerable material was received here as we were closing this FS. It will appear in the next effort, two weeks hence, which rolls around mightily regularly. Thanks to all for the Christmas cards and greetings, its not possible to acknowledge each individually...It may be necessary for me to reply to some correspondence via postal. Long distance calls to 812-882-3976 for reporting Flashes, must be made prior to 2000 GMT. Good DXing, to all,

73, AL

## LISTENER'S



Please be advised that we still have 8 X 11 copies of the Indonesian Charts which appeared in Nov's. FRENDX, pages LN-2 to LN-6. If you would like to obtain a copy of the charts, please send a SASE w/ either two 8¢ or two 11¢ stamps plus 50¢ to your LN editor.

Dan Jamison  
310 Roanoke Street  
Apartment 21  
Richmond, Virginia  
23225

Deadline: 15th

In reference to the chart which appeared with the heading of INDONESIA on page LN-3 in Dec's FRENDX. I made the ultimate boo-boo and omitted the freq's for those stations listed. Please insert the following freq's in order fm top to bottom:

4840, 3250, 3992, 3945, 4900, 6070&7190, 3995, 3223, 5990, 3905, 3960, 3345, 3295, 3392, 4720, 4985, 9550. Sorry gang - DJ.

**REMINDER** When sending skeds or info to LN, it is requested to use times in GMT. If you copy times fm skeds, please be advised that some broadcasters do not always print their skeds in GMT either. For instance, a Brazillia sked may list Eng fm 2000-2100 Brazillia time which is fm 2300-2400 GMT. Thanks.

**SURVEY RESULTS - SPOTLIGHT, PART V** Credits to the Spotlight go to "Numero - Uno, SWBC Weekly", FRENDX, and observations by other DXers and ye ed.

**NORTH VIET NAM** Broadcasting activity fm North Viet Nam is rather intense. The Voice of Vietnam is not the only radio voice emitting fm the homeland of Ho Chi Minh. The xmtr site near Hanoi b/c's pgm'ing of the Voice of the Nat'l Front of Kampuchea (V.FUNK), Radio Pathet Lao, and Liberation Radio. V. FUNK has been noted throughout the US on 7037 // 9990v fm around 1125-1335+. Radio Pathet Lao b/c's between 2227-0710 and fm 0855-1600 on 4660v, 6200v, 7310v, and 7480. Pgm's are in a number of Asian lang's and dialects. Liberation Radio operates in Eng fm 1100-1121 on 10010 ID'ing as "The Voice of the Provisional Rev. Gov't of South Viet Nam". This station is also hrd on 12115 at 2030-2045+. French has been noted on 10007 fm around 1235 to after 1250. 14987v has been observed signing off at 1657 in VV. The Voice of Viet Nam has Eng slated fm 1300; 1530; 1800; 2230 on 15105 (maybe 15015), and 10040. The HS on 4825 and 4892 has been noted fm around 2158-2215 in ECNA. 7102 carries VV fm 1045A - 1230+. The Hanoi Hx Svc on 7374 lists a 1045 s/off time. The HS on 7510 is noted around 1045+; 10060 also carries the HS fm before 1045 to after 1300, and is seemingly jammed. Also, the regional station at Tay Bac operates on 6383 and has been hrd fm 1015-1130.

**VOICE OF FREE CHINA** The VOFC operates fm Taipei, Taiwan, Rep. of China. The late spring, summer, and early fall months seem to be the period of time during which the VOFC is hrd with relative ease in NA. This is due to the fact that VOFC mainly utilizes high freq's for their b/c's to NA. In the winter, as we all are now finding out, a natural phenomenon occurs which renders the higher freq's virtually useless in the evenings, NA time. The lower freqs tho tend to be open. VOFC has Eng at 0200-0320 on 7130, 11825, 15125, 15345, 17720, 17780, and 17890 beamed to Hong Kong, Macao, Australia, New Zealand, Japan, and NA. Mandarin Chinese directed to NA is b/c fm 0320-0350 on the same freqs as mentioned above. The second Eng b/c of the day is beamed to Africa and Western Europe fm 1800-1900 on 9510, 9685, 11825, 15125, 15370, 17720, 17890. Taipei has also been noted operating on 7150 around 1130+.

**ST HELENA** Gerry Dexter rpts that the ITU lists the sked for the St. Helena - Gov't B/c'ing Station's 6100 and 11830 outlets. They are listed as being allowed to operate fm 2000-2200 w/400 watts on 6100 and 11830; and also on both freq's "up to three times a week" at 0945-1145 and 1530-1830. B/c's on 11830 only are slated fm 1900-2000. It is not known if this station located off the coast of Angola and not too far fm the BBC Ascension Island relay site is in operation at the present time. If St. Helena is in operation, it is not known whether or not if it has been hrd in NA. It is assumed that the logging of this South Atlantic station will be extremely difficult in NA due to the low power of the sta and co-frequency QRM.

**ZAMBIA** Radio Zambia can be hrd with good to excellent signals especially during periods of favorable African conditions. Unsettled conditions with a minor geomagnetic storm in progress and a low coded radio propagation forecast (broadcast over WWV at 14 and 18 min's past the hour) denote a good omen for favorable African conditions. Seemingly Zambia is hrd best between 0300 to around 0430 on 3346 w/pgm'ing in African lang's and occasional Eng ancm'ts. The freq of 4911 has also been noted fm time to time around 0700+, but at a weaker level. The 16 meter band outlet of 17897v has also been observed around 1845 to after 1915. ...and now for this month's regular listings

**ADEN** The new xmtr of Aden can be hrd on 11770 // 5060 with the clandestine pgm of the Oman Liberation movement, b/c by Aden. The Oman Lib. sta can be hrd directly on 6478 at 1415 s/on til past 1600. (Victor Coonetilleke, Sri Lanka)

AFGHANISTAN R. Kabul w/Pushtu/Dari to Eur is using 15195 fm 1200-1300. After 1230 there is QRM fm Talata on the same freq. (Welcome aboard Victor- VG,SL)

ALGERIA R. Algeria with

AA	0600-2400 on	17890,17790,15225,11965, 11810,11715,9685,9610, 7220,6145	Kabyl 0600-2200 on 9510,11910 EE 1900-1930 11920,15160
FF	0600-2400	21715 (off at 1800), 17825,11835,9725,7245	(Charley Wootten, Morocco Victor Jaar, Canada)

ANGOLA Emis Oficial, Luanda, noted at s/on 0500 on 11875. Unid sta, either Angola or Portugal, noted also on 11875 at 1030 in SSB modulation. Id'ing as "Estudion no Porto de Emiss, Nac'l" i.e. the EN Oporto studio. No loss of audio quality to indicate relay; band was open to both Port.& W.Africa at the time. (Dr. Richard Wood, LA)

BRAZIL R Nac de Brasilia has just signed a \$15 million contract to import 12 xmtr's fm a Swiss firm. This will include a 500 KW biggie which will make Brazil more competitive in the international "war" for SWL audiences. (AP via George Schnabel - NY)

AZAD KASHIR AKR's latest sked is fm 1200-1400 on 4732v; 1410-1830 on 3382v; and 0100 s/on on 6250. (very interesting Victor V. Goonetilleke, Sri Lanka)

BURMA Rangoon has come back to 5040 fm 0930-1600 after drifting to 5020,5035,5045, et al. The 31m.b. freq of 9725 is noted on 9729 fm 0430-0730. (Victor G.)

CHILE R Universidad de Concepcion, c135, noted at s/on at 1000. Also, R PORTALES, 9570, has dropped its all-night svc and is noted s/off at 0400; at close, repeats the IS of four notes. (Dr. Richard Wood - LA)

CHINA, P.R. R Peking has moved to their mid-winter freqs. The full sked is not yet known, but Eng to NA observed at 0100-0155 on new 12055, 11965, 11945, and 9390. SS to LA 0100-0155 on 12015, 11980, 9500 (Tirana), 9025. (Dr. R. Wood - LA)

CHINA, Rep of VOFC, Taipei to NA in EE 0200-0320 on 7130, 11825, 15125, 15345, 17720, 17780, 17890 (many thanks Don - Don King, PA)

CZECHOSLOVAKIA R Prague's EE lang b/c to NA, 55 min's in duration, is at 0100 & 0300 on 5930, 7345, 9540, 9740, 11990. (Larry Marshall, Calif and Lou Buehler, MO)

COLOMBIA R Super de Medellin, 5951, has a variable s/off time between 0512-0645. (Manitoba Area DXers - M.A.D. Men Jim Roberts, Ray Barton, Bill Hood - Canada)

COSTA RICA R Universidad de C.R., 6105, is a new sta and should start b/c'ing on Dec 23 fm 1300-0400. The address is: Sr. E.C. Arias, 1320-Calles 13-15, Ave 22, San Jose, C.R. (HCJB DX Party Line via Ernie Behr, Ont.)

Ondas del Darien, Turbo, noted at s/on at irreg hr of 1020 on usual 6085. (Dr. Richard Wood - LA)

DOMINICAN REP The country is now on GMT -4 (as noted Nov 27 ... used to be on GMT -4½ hrs during part of winter). Sta's now s/on earlier (V. Jaar, Canada)

FRENCH GUIANA Cayenne noted w/PFon 6170 at 1027. 4972, which was prev'ly used, is not now hrd at 0930 s/on. (Thanks for ur obs'r's Victor, V.Jaar)

ETHIOPIA R Ethiopia is sked'led on 6185 on Mon-Fri fm 0330-0600, 1000-1300, and 1430-2100; Sat fm 0330-0600, 1000-2100; Sun fm 0500-2100 on 7290 & 9610, both 100 KW. (very good Frank ... Frank Orcutt, NY)

GERMANY, EAST R Berlin Internat'l has Eng beamed to EGNA at 0100-0145 and at 0230-0315 on 9730; to WCNA at 0330-0415 on 5955, 6080, 6165. (Lou Buehler, MO)

GERMANY, WEST Sender Freies Berlin is using a 5 KW xmtr on 6190. It is an old converted marine xmtr of R Bremen, which puts out a poor signal even in central Germany, when I was there in 1972. A power of 50 KW is listed in error in some station brochures. SFB pgms were hrd fm 0800-1650, followed by R Bremen to 1800A, the rest covered by QRM. SFB had a separate, distinctive QSL card in 1972, but now shares a common card w/RB. There were plans to install a new 20 KW xmtr for SFB in Berlin, but there has been no further info on this for over a year. (very informative indeed Ernie ... Ernie Behr, Ontario)

DW's Eng to WCNA at 0435-0555 has deleted 6040 w/out replacement. Germany 6145, 9545, 9765 and Sackville 6085 and 9605 remain in use. (Dr. Richard Wood, LA)

GREECE The Hellenic Nat'l Radio & TV Institute, Athens, has no Eng sked but Greek to Turkey-Cyprus 0500-0735 6175 USSR 1715-1730 7215  
Australia 0800-0950 21460 1745-1750 7215  
Gen Africa 1000-1150 17760 Ethiopia-Kenya 1900-1950 5960  
Spain-Port 1300-1350 15425 Azores 2000-2050 7295  
Panama Zone 1400-1450 21460 Australia 2100-2150 7215  
Egypt 1500-1550 9630 Japan 2200-2250 6075  
(Jim Hagen, Virginia and Victor Jaar, Canada)

GREENLAND Grønlands R, is now a regular on 975 fm 1930 past 2200, in Danish and local langs, often at a good listening level; weaker on // 5980 fm abt 2130. (Ernie Behr, Canada)

HAITI The correct address for Radio 4VEH is Box 90-B, Port-au-Prince, Haiti, - West Indies. Only nat'l (local) mail should be sent to Cap Haitien. (Jim Jones, TN)

197,

РАПОРТ О ПРИЁМЕ

МОЙ ПОЧТОВЫЙ АДРЕС:

РАДИО СТАНЦИЮ

СЩА

ДОРОГИЕ ДРУЗЬЯ,

СЕГОДНЯ Я ИМЕЛ УДОВОЛЬСТВИЕ УСЛЫШАТЬ ВАШУ  
ПЕРЕДАЧУ ОТ \_\_\_\_\_ ДО \_\_\_\_\_ ЧАСОВ ПО ГРИНВИЧУ НА ЧАСТОТЕ  
\_\_\_\_\_ МГЦ В ДИАПАЗОНЕ \_\_\_\_\_ МЕТРОВ! ПЕРЕДАЧА,  
КОТОРАЯ Я СЛЫШАЛ ИМЕЛА СЛЕДУЮЩЕЕ СОДЕРЖАНИЕ:

ВРЕМЯ ПО ГРИНВИЧУ

ДЕТАЛИ ПРОГРАММЫ

ПЕРЕДАЧА ВЕЛАСЬ НА \_\_\_\_\_ ЯЗЫКЕ. ОЦЕНКА КАЧЕСТВ  
ВАШЕЙ ПЕРЕДАЧИ ПО "SINPO" БЫЛА. \_\_\_\_\_ .  
МОЙ ПРИЁМНИК \_\_\_\_\_. Я ПОЛЬЗУЮСЬ ВНЕШНЕЙ  
АНТЕННОЙ ДЛИННОЙ В \_\_\_\_\_ МЕТРОВ. ЕСЛИ ЭТИ  
СВЕДЕНИЯ ПРАВИЛЬНЫЕ, ПРОШУ ВАС, ОТПРАВИТЬ МНЕ  
ВАШУ КАРТОЧКУ ПОТВЕРЖДЕНИЯ ТИПА "QSL", В КОТОРОЙ ВЫ  
УТВЕРЖДАЕТЕ ЧТО Я В ДЕЙСТВИТЕЛЬНОСТИ СЛЫШАЛ  
ВАШУ РАДИО СТАНЦИЮ. ПРОШУ ВАС ОТПРАВИТЬ МНЕ ВАШЕ  
РАСПИСАНИЕ (ПЕРЕДАЧ И ИХ ЧАСТОТ), ТАК ЖЕ ФЛАГ СТАНЦИИ  
И ЗНАЧОК, И АРУГУЮ ИН ФОРМАЦИЮ ОТНОСИТЕЛЬНО ВАШЕГО  
ГОРОДА И СТРАНЫ.

В КОНЦЕ МОЕГО РАПОРТА, ХОЧУ ВЫРАЗИТЬ ИСКРЕННУЮ  
БЛАГОДАРНОСТЬ ЗА ОКАЗАННОЕ МНЕ ВНИМАНИЕ!

С ДРУЖЕСКИМИ ПРИВЕТАМИ

The Russian language report form on the facing page is simple to use and should be of use in reporting to some of the regional stations throughout the Soviet Union. Although the official policy currently being publicized is that the regionals will not QSL, there have been several known cases of QSLs received. In any case, the form may be used by a DXer in reporting to any station broadcasting a Russian language program.

**Directions:** Simply take your copy of FRENDX to your nearest library or other source where you can make a xerox copy of the Russian format - then fill in the blanks using the guide lists/phrases below. Use care in penmanship when duplicating the few necessary Russian alphabet characters. An English translation of the Russian format is provided here:

Date \_\_\_\_\_ 197\_\_\_\_, \_\_\_\_\_  
 \_\_\_\_\_ Month \_\_\_\_\_ Year \_\_\_\_\_ Day \_\_\_\_\_  
 My postal address is: \_\_\_\_\_  
 RECEPTION REPORT OF \_\_\_\_\_  
 RADIO STATION \_\_\_\_\_ USA \_\_\_\_\_

Dear Friends,

Today I had the great pleasure to hear your broadcast from \_\_\_\_\_ to \_\_\_\_\_ hours in Greenwich Time on frequency of \_\_\_\_\_ MHz in the \_\_\_\_\_ meter band! The broadcast which I heard contained the following details:

Greenwich Time	Program Details
_____	_____
_____	_____
_____	_____

The language heard was \_\_\_\_\_. My evaluation of the transmission in "SINPO" code would be \_\_\_\_\_.  
 My receiver is a \_\_\_\_\_. I employ an antenna which is \_\_\_\_\_ meters long. If my report is correct, please send me your verification or QSL which confirms my reception of your station. Please also send me your transmission schedule, pennant, and other information about your city and country.

Finally, I wish all the best for you. Thank you for your kind attention!

With friendly greetings,

\*\*\*\*\*

- In the date line of the letter, use Roman Numerals to reflect the month, i.e. XII=Dec.
- Use the Russian spelling of the day:

Monday ПОНЕДЕЛЬНИК	Friday ПЯТНИЦА
Tuesday Вторник	Saturday СУББОТА
Wednesday СРЕДА	Sunday ВОСКРЕСЕНЬЕ
Thursday ЧЕТВЕРГ	

- Use English spelling for the blank describing your receiver, i.e. "Allied SX-190".
- Languages: Russian: РУССКОМ English: АНГЛИЙСКОМ French: ФРАНЦУЗКОМ Chinese: КИТАЙСКОМ  
 Turkish: ТУРЕЦКОМ Swedish: ШВЕДСКОМ German: НЕМЕЦКОМ
- Details: Station ID: ОБЪЯВЛЕНИЕ СТАНЦИИ Read by man: ЧИТАЕТ МУЖЧИНА  
 News: ИЗВЕСТИЯ Read by woman: " ЖЕНЩИНА  
 Commentary: КОММЕНТАР Sign on: НАЧАЛО  
 Music: МУЗИКА Sign off: КОНЕЦ  
 (National: НАЦИОНАЛЬНАЯ Program: ПРОГРАММА  
 (Popular: ПОПУЛЯРНАЯ Program for children: ПРОГРАММА ДЛЯ ДЕТЕЙ  
 (Light: ЛЕГКАЯ Request program: КОНЦЕРТ ПО ЗАЯВКАМ  
 (Marches: МАРШОВЫЕ ПЕСНИ Press review: ОБЗОР ПЕЧАТИ  
 (Symphony: СИМФОНИЧЕСКАЯ  
 (Opera: ОПЕРА)

\*\*\*\*\*  
 These two pages of Russian language reporting guide were prepared especially for NASWA by Rumén Pankov of Sophia, Bulgaria and submitted via Ed Shaw, Your Listener's Notebook editor would appreciate knowing the effectiveness of NASWA language forms. Thanks, Dan J.

**HAITI** Kent and Linda Ragsdale of 4VEM are searching for Evangelical TV pgms in Eng and/or FF, produced in the US or Canada. They also want to know if Canada has a Nat'l Radio & TV convention which might supply information. Even names and addresses of mission boards and church headquarters would be appreciated. If you can supply any of this info, please contact the Ragsdales at Box 90B, Port-au-Prince, Haiti, West Indies. (Harold Sellers, Ontario)

**INDIA** AIR has Eng in its GOS to  
 UK & W. Eur 1745-2230 7215,9525,11620  
 1945-2230 9912  
 East Africa 1745-1945 11945,15080  
 W & N Africa 1945-2045 9755,11880  
 Australia & NZ 2045-2230 7260,9912,11740  
 (ODDX member, Steve Estes, Virginia)

**JAPAN**

North American Service	2348-0064	13445 19.43 11735 23.99	English
North & Latin American and Hawaiian Service	0100-0300	13335 19.49 17735 16.93 17825 16.83	Japanese, English & Spanish
		13445 19.43	

(Jerry Stuart, Oklahoma)

**INDONESIA** RRI Bengkulu is a new sta noted on 4045 fm 1200A to s/off 1600. RRI-Tanjung Karang is noted on 4000 at same time and RRI Pontianak hrd on 3996 w/1520 s/off. RRI Bandung on 3205 at 1500 over-riding Lucknow and Mataram on 3223 are some RRI sta's currently hrd in Sri Lanka. Also hrd was 3215 at 1500 believed to be Ujung Pandang //2490 and 4719 w/ s/off at 1515. RRI Bukittinggi is also hrd well w/ s/off at 1530 now on 4885. Banda Aceh is well hrd on 4955 signing off at 1600. Pekanbaru s/off now at 1555 on 581v. Jakarta is hrd on 11790 in II w/ Suara Indonesia at 0100 til past 0130. Also hrd at 1500 on 11770 under the new high powered xmr of Aden. Sibolga on 5260 has s/off at 1600. In addition to these RRI listings, there are countless Radio Pemerintah Daerah Kabupaten sta's operating usually below 4000. (Excellent Victor!...Victor Goonetilleke, Sri Lanka)

**INTERNAT'L WATERS** R. Nordsee Internat'l - Paul Foged of DSWGCI rpts in the Nov issue of "Shortwave News" that Mebo II will haul up its anchors and move for the Mediterranean in Jan., 1974, and stop b/c'ing to Holland on Jan. 1, 1974. The Dutch svc will close down, but the Eng svc will continue wherever they plan to anchor. Their airtime has been increased on weekdays by one hr, so they are on the air now fm 0500-0300, and still 24 hrs on weekends.

(Shortwave News"-Pop &amp; Pirate Radio by Paul Foged via Charley Wooten, MOR

**IRAQ** Baghdad noted for some weeks now on new 3195 fm around 1500 til past 2130 in AA. Also hrd on 3240 & 3960 w/different pgm'ing. (Victor Goonetilleke)

**ISRAEL** The foreign lang nx casts of IRA have been discontinued, but the all-night svc carrying mostly the HS Network "A" continues on 9009,9525, & 11725. Brief Hebrew nx may be hrd at 0100. All freq's are subject to jamming. Occasional RR nx is noted but no long are there any EE nx b/c's in this svc. (Richard Wood)

**KOREA, NORTH** A new freq for Pyongyang is 2301 hrd at 1500. Pyongyang does not s/off the HS at 1500 but goes on to 1800 // to 2850,2747,3015,6599. Before 1500, 3015 carries the Japanese svc. The HS is also noted on 4273 and the s/on of the HS is at 1950 on 3320,4770,6250, in addition to the above freq's. (V. Goonetilleke)

**LEBANON** Eng to Africa on new 11730 at 1830. (Victor Goonetilleke, Sri Lanka)

**LIBYA** The largest SW sta in Africa will be erected in Libya. It will use 4 SW xmtrs of 500 KW each fed by diesel generators. There will be no less than 48 curtain antennas for beams to all parts of the world. This sta will be completed by the summer of 1975. (SGDX No. 1256)

**MALDIVIVE ISLANDS** Ace DXer Dan Henderson, MD, sent along the following sked fm Male' which accompanied his QSL fm this allusive SWBC sta located in the Indian - Ocean. Congratulations Dan!

0900-1100	7225	12	KW	
0300-0500	7225	12	KW	
0500-0700	6150	7	KW	
0700-0900	9552	14	KW	
	1100-1300	6150	7	KW
	1300-1500	3331	16	KW
	1500-1730	4740	30	KW

**MAURITANIA** Nouakchott is now on 4845 (ex-4850); noted w/FF at 0720, later QRM'ed by a Brazilian. Also at 2250 w/FF. (thanks Victor ... Victor Jaar, Canada)

**MEXICO** XEWW has once again been noted varying fm 15160 to alter 15176, observed at 1500, perhaps intentionally to avoid BBC NA Svc on 15160 at 1500-1515 daily. 15160 has been noted active some evenings, occasionally hrd as late as 0300. (many thanks Richard ... Richard Wood, LA)

**NEPAL** RN hrd on 5000 fm 0020-0350, 1150-1720, and on 7100 fm 0720-0950. Eng nx is b/c at 1445. (Victor Goonetilleke, Sri Lanka)

**NETHERLANDS ANTILLES** R Netherland, Bonaire, to WCNA has Eng fm 0500-0620 on the new freq of 6165 and old 9715. (Dr. Richard Wood, LA)

**PAPUA NEW GUINEA** Since the attainment of self-gov't, the Port Moresby sta's of the ABC ID as "Nat'l Radio", so hrd at 0605 on 9520 w/ID given by a Papuan ancr. Despite the introduction of External Svc b/c'ing in Tok Pisin (Pidgin Eng) by Radio Australia, Papua New Guinea Nat'l R. continues to relay nx fm the ABC Domestic Network. (thanks to DX'pert Dr. Richard Wood, LA)

**PORTUGAL** VOICE OF HOPE, Lisbon, noted on 9640 at 0800 w/offer of a free record in many different langs including Italian and AA. Mixing w/BBC. (Richard Wood)

**QATAR** The best time to hear QBS, Doha, on 9570, especially during the winter months, is fm 1500-1630. It is usually in the clear after R. Australia signs off at 1500, and often peaks to a good level. (Ernie Behr, Ontario)

S/on is now at 0300, not 0230, on 9570 and this outlet signs off at 2030 in AA. (many thanks Victor ... Victor Goonetilleke, Sri Lanka)

**PAKISTAN** Rawalpindi ID'ed at 1600 on 4735. Also Karachi was hrd on 3890 fm 1600-1810 s/off. Pakistan was also hrd at 1520 on 3200 opening w/Eng nx. Peshwar is now on 3330 and no longer on 4950, so do not mix Kenya's Hindi svc w/Peshwar at 4950. (you don't have to worry abt that Victor, DJ1...Victor G.)

**SAUDI ARABIA** Riyadh is still testing; all anmcs are in AA giving freq's in meters and local time. This sta announces: Izaat Al-Mamlakat Al-Arabyaq II-Saoudiyat Min Al-Riyadh. The following listings have been noted in the US and Canada: 5965 fm 0300-0500 5985 fm 1600-1900  
 9695 fm 0330- 6130 1900-2400  
 21665 1245-1400 11890 1700-2400  
 11865 1300-1400 (Many thanks to DXers Victor Jaar and Richard Wood)

**SEYCHELLES** FEBA now on 1890, ex-11955, also ances // 15330. Hrd in EE at 1785 after Urdu; AA at 1800. Mixing w/AA sta-Cairo? (Victor Jaar, Canada)

**SICILY/ITALY** RAI - Caltanissetta, Sicily, operates on 6060 between 2350-0000 and Rome fm 0000-0010, also on 6060. (gud to hear fm you Leon-Leon Segal, NY)

**SOUTH AFRICA**  
 Eng Svc SABC 0358-0520 on 3965,4830  
 0520-0635 9680,4830  
 SPRINGBOK RADIO 0300-0522 3997-4790  
 0522-0637 9710-4790  
 R SOUTH AFRICA 2200-0300 3250,4790  
 (Wade Smith, MA; Al Miller, Ohio; Jerry-Lineback, IL; Richard Wood, LA and Charley Wootten, Morocco)

**SWEDEN** - sked changes, remainder of sked is unchanged.  
 ECNA 2400-0230 6035  
 1400-1530 17710  
 Mid East 1830-1930 11705  
 S. ASIA 1430-1530 11705  
 Africa 1730-1930 11945  
 Austr/NZ 0515-0615 11945  
 (Dan Jamison, Virginia)

**THAILAND** A sta hrd on 7868 most of the day - 0300,0400,0700,1100, etc belongs to the gov't of Thailand and ID's as "Thai Meteorological B/c'ing Sta" in Eng and Thai. Pgm's consist of Thai and Eng mx and weather rpts for ships. This sta ances // 11605 but not hrd in Sri Lanka. (DXer Victor Goonetilleke)

**TIMOR** Dili is vy well hrd in Sri Lanka on 3668 until s/off at 1500. 3268 is not utilized any more. (again, this tip by DXer Victor Goonetilleke)

**TURKEY** The local Turkish SW station, Radio Hakkari, is listed on 7650 w/an output of 1 KW. Does anyone have the sked for this sta? ... Victor G.? (DXer Charley Wootten, Morocco)

**VENEZUELA** R Canaima, San Felix, is active on 6160 and was noted signing on at 1000. R Rumbos, Caracas, has dropped its all-night svc. They were noted signing off at 0405 on usual 9660 and 4970. Dropping of the all-night svc may reflect the world energy crisis, even in an oil exporting country like Venezuela. (the DX'ing Dr. ... Richard Wood, LA)

**VIET NAM, SOUTH - VZVN**  
 24 hr Viet Svc 4877,9620,7175,6165  
 2200-1600 VV 7245  
 0000-0030 Cantonese 9755  
 0330-0430 " 9755  
 1130-1230 " 9755  
 1030-1100 Std Chin 9755  
 0430-0500 English 9755  
 0500-0530 French 9755  
 1000-1030 Cambodian 9755  
 2330-2400 " 9755  
 1230-1300 Thai 9755  
 (Steve Estes, Virginia)  
 Also on 7085 at 1200+  
 (Victor Goonetilleke)

**VIET NAM, NORTH VOV**, Eng fm Hanoi fm 0100,0200,1000,1300,1530,1800,2230, on 15105 (maybe 15015 too,ed) and 10040. (Steve Estes, Virginia)  
 What is probably Hanoi is hrd on 4710v at 1200 and also at 1500 in VV. (Victor Goonetilleke)

**SWAZILAND** Colin Miller and Richard-Ginbey, sending info in SCDX Bulletin-1252, say that the new Trans World Radio postal address for the new sta in Swaziland will be P.O. Box 64, Manzini. Freqs still have not been determined. (DXer Charley Wootten, Morocco)

**USA** WINB, Red Lion, PA, is now sked'l'd fm 1700-2000 on 17865 and fm 2005-2200 on 11775. (DXer Ernie Behr, Ontario)

**USA WYPR**, formerly WNYW, is sked'l'd fm

TO CARIBBEAN AND THE AMERICAS		TO EUROPE	
1945-0030	17.760 MHZ	1700-1800	21.525 MHZ
2315-0230	15.215 MHZ	1700-1930	17.845 MHZ
0015-0230	11.855 MHZ	1700-1930	15.440 MHZ
0045-0230	9.715 MHZ	1815-1945	15.130 MHZ
0045-0230	5.985 MHZ	1930-2300	9.690 MHZ
		2000-2215	11.885 MHZ
1700-1945	21.525 MHZ	2230-2400	6.075 MHZ
2000-2200	15.130 MHZ		

(Arthur Smith, AL; Tom Cwikla, Conn; Ed Insinger, NJ; Richard Wood, LA)

**USSR - SOVIET B/c'ing ACTIVITY**  
 The ever changing scope of b/c'ing in the Soviet Union has been observed and expertly recorded by Ace DXer Bill Davis of Calif. I am sure that you have attentively followed Bill's past observations of Soviet B/c'ing in past editions of FRENDX. Bill's latest effort was the Soviet Chart which appeared in Dec's LN. The following is an update to the chart. Please make the following pen and ink additions; freqs not mentioned are unchanged.  
 3995 s/on 1000 - f/o 1600/1630; all Mayak pgming  
 4030 fade in 0600 - usual f/o 1030, wk, Russ HS  
 4040 f/in 0700 - off 1400, back on 1500 - f/o 1630/1700; all Mayak pgm, gud  
 4050 f/in 0600 - s/off 1300; HS but local pgm fm 0700-0800; tent QTH of Yuznosakhalinsk.

4610 f/in 0630 - off 1400. ID as "Khabarovski Radio" at 1359  
 5015 ID "Govorit Vladivostok" at 0659  
 5940 Magadan - 0430 f/in to 1200 s/off  
 5970 f/i 0600, off 1700; returns at 1800 then f/o 1900A, Mayak pgm'ing  
 5990 "  
 6070 power increase for this sta ... 1130-2100, Mayak pgm'ing  
 6115 on at 0700 w/HS-Mayak Pgm at 1400, off at 1530; on again at 1630 w/Mayak  
 pgmto 1900, then HS to s/off at 2100  
 7255 f/i 0500-0930 off Mayak pgm'ing  
 7275v 0400 f/i-0630 off; returns at 1430 to 1530 Wed, Fri, Sat, & Sun w/ Fishing  
 Fleet Pgm, // 9770 and 9780  
 9375 s/on 2330-0500  
 9575 Mayak pgm'ing fm s/on 2330-0830 tune out. This sta is possibly located  
 as far north as Magadan or Yakutsk, judging fm f/o times.  
 11720 0045 s/on-0515 s/off with the HS

USSR 9500-The Soviet FE xmtr on this freq annces "Govorit Anadyr" (Anah'dr)  
 at 0516, Anadyr time with its own RR pgm. The Chukchi pgm is at 0530. At  
 0500, 9500 is // 9770,9810, 12240, but 9500 signs off at 0515. Anadyr time is  
 GMT plus 13 hrs, same as Western Alaska, but a whole day ahead!  
 (DXer Ernie Behr, Ontario)

USSR A RR sta is hrd on 3995 varying to 4000. Two sta's are listed; Galistan  
 on 4000 and Kyzyl on 3995. Any news anybody? ... Bill? Time: 1045 til past  
 1115 GMT. (real fine Victor ... Victor Goonetilleke, Sri Lanka)

USSR R Moscow's English language schedule to NA lists  
 2300-0030 on 17870,17770,17720,15180,12050,9760,9680,9660,7240,7200,7180,  
 7160,7150,7100,5980,5940  
 0100-0200 17870,17770,17720,12050,9760,9700,7400,7350,7260,7240,7200,7180,7160,  
 7150,7100,6070,5980,5940  
 0200-0300 17870,12050,11860,9760,9700,7400,7350,7260,7240,7200,7180,7160,  
 7150,7100,6070,5980,5940  
 0300-0400 9700,9760,735,7240,7200,7180,7160,7150,6070,5980  
 0400-0500 9760,7400,7350,7240,7200,7180,7160,7150,5980,5940  
 PACIFIC COAST SVC  
 2330-0130 17770,15180,11860,12050,11850,11690,9780,9580,9540,7260,7170,5980  
 0130-0200 11850,9780,9730,9580,9540,7260,7170,5980,  
 0200-0330 11850,11690,9780,9760,9730,9580,9540,7260,7170,7110,5980  
 (Lou, I'll probably be typing numbers in my sleep! ... Lou Buehler, MO)

PUBLICATION NEWS The Communications Handbook 1974 has just been released. The  
 DX section is again compiled and written by Dr. Richard Wood. It is available  
 on news stands or from Ziff-Davis Publishing, One Park Ave., NY, NY 10016.

George Schnabel, NY, was flipping thru the FARMER'S ALMANAC, and  
 surprise! George discovered that not only does the ALMANAC forecast the  
 weather and when to plant your corn, but also radio propagation is forecasted!  
 This is fm page 108: "The following periods are forecast to have several days  
 of disturbed radio propagation conditions: Most Disturbed: May 10-20, 1974,  
 Aug 4-14, 1974, Oct 26-Nov 4, 1974. Less Disturbed: Dec 24, 1973-Jan 2, 1974  
 and Feb 1-6, 1974.

And so concludes another LISTENER'S NOTEBOOK. A hardy word of thanks is extended  
 to all of our contributors for their valuable contributions to LN. We are look-  
 ing for material from you for LN because you all make LN what it is. It is all  
 up to you. Schedules, observations, tid-bits, and general information are always  
 welcome. If you desire the return of your sked, please enclose a SASE.

NEXT MONTH: More from the SPOTLIGHT and 73 and Happy Listening,  
 hopefully, another LN Special!

*Alan*

HEADQUARTERS NOTE: The following items are currently available from NASWA HDQ, Box 8452,  
 S.Charleston, WV 25303 USA. When ordering, please make checks or money orders payable to  
 "NASWA", and please print or type your name and address.

NASWA Country List - 25¢, The Art of Verification - 50¢, 1973 QSL Signers List - 50¢,  
 NASWA Low Frequency Band Survey - free for SASE with 24 cents postage, long envelope,  
 postage charge goes up when the postal rates go up, order now: NASWA 31 meter Band Survey -  
 75¢, NASWA 49 meter Band Survey - \$1, Nasua 60 meter Band Survey - \$1, Reporting guides  
 for the French, Indonesian, Spanish, Portuguese and Vietnamese languages - 15¢ each,  
 BC-221 Frequency Meter review - 10¢, NASWA Rubber Stamp, \$2...Recognition of Languages,  
 by Richard E. Wood - SASE, RF Pollution, by Glenn Hauser - SASE.

FROM HDQ: Many thanks for the multitude of comments received in recent weeks, comments  
 reflecting appreciation for the work done in producing FRENDEX. Of course, FRENDEX is  
 produced by a team of workers. We trust that our editors received similar appreciative  
 comments - they deserve it! Send a report today & thank them for the excellent job they do!

# QSL Report



## EDITOR

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

DEADLINE: 12th of month.

TELEPHONE: 412-361-6832  
After 0200 GMT

-QSLs RECEIVED JANUARY 1974-

The RARE ones are in this month! Dan Henderson and Don Johnson have received cards from RADIO MALDIVES!! (makes ya sick, huh?) Ace Dixer Henderson also reports a verie from RADIO VILA!! (I'm now crying, hi!... Maldives and Vila are featured illustrations this month) Another goodie is ANKARA POLIS RADYOSU, received by Chief ODD BALL Ed Shaw. (sorry 'bout that Ed) Radio Angostura was verified by Bill Sparks of Calif. Many interesting Indonesians, Asians, and Africans are in this month.

Dan Henderson notes this new address of RRI-Samarinda: Jalan Mawar, No. SK-6/38, Gorontalo, Celebes, INDONESIA.

NOTE: Re Radio Moscow transmitter sites...QSL sites indicated on cards by Radio Moscow are in conformance with information on current ITU skeds. If ITU sked is wrong then so is QSL!! (via Bob Padula-Australia)

IBA-Israel is requesting reception reports. Address: Mr. Fred Stockheim, Liason and Coordinator Engineer, IBA, P.O. Box 7139, Romema, ISRAEL. (via Charlie Wootten-Morocco) New Address for TWR in Swaziland: P.O. Box 64, Manzini, Swaziland. Frequencies still have to be determined. (via Charlie Wootten-Morocco)

On the subject of return postage! After returning home from the post office I discovered that the 20 IRCs that I just purchased were stamped on the wrong half! No more IRCs I told myself. Since then I've been using mint stamps and I'm having a better percentage of QSLs returned. Especially Latins. Mint stamps are available at local stamp dealer or from Dx Stamp Service, which I highly recommend. The address is: DX STAMP SVC., 83 Roder Parkway, Ontario, N.Y. 14519. No rip-off! Honest.

Please! When sending QSLs to me for illustrations, include return postage, thanks.

Just a reminder.. Postage rates increase on Jan 1st, 10¢ regular, 13¢ Air.

Please excuse the numerous typos in last months QSL REPORT..Fingers Yamron, hi. (too much of this Christmas Punch, hi) Reports that were sent late are included this month, it is now 0200 Dec. 24.

\*\*\*\*\*SCOREBOARD\*\*\*\*\*

SCOREBOARD IS BACK!! STARTING WITH THE MARCH ISSUE OF FRENCH. PLEASE SEND YOUR ENTRIES IN THE USUAL FORM. DEADLINE IS FEBRUARY 20 TH. FOR THOSE NOT FAMILIAR WITH SCOREBOARD FORM, PLEASE SEND YOUR ENTRY IN THE FOLLOWING MANNER: NAME, HIC(counties heard), VIC (countries verified), HIS (stations heard), VIS (stations verified), HIC & VIC FOR EUROPE AND MOST PRIZED QSL/FREQ. FROM EUROPE. SPOTLIGHT IS EUROPE.

ALBANIA: Radio Tirana, 7300, card w/no data after many f/ups, 6 months sea. (Schwartz)  
Building card w/all data, sked, sea mail for 3 IRCs. (Fino)

Peking relay via Tirana, 9780, card w/freq. and date, air in 2 weeks. (Padula)

ALGERIA: RTVA, 15160, blue/white card w/all data in 4 months. (Cwikla)

ARGENTINA: RAE, 9690/11710, card in 4 weeks, mint stamps. (Bowlsey)

ASCENSION IS: BBC, 9510, full data 'Award' card for World Radio Club contest, 1 month air no IRCs. (Johnson)

ASIATIC SSR: R. Moscow via Petropavlovsk-on-Kamchatka, 17880, card air in 4 weeks. (Padula)

R. Moscow via Komsomolsk-on-Amur, 17865, card air in 4 weeks. (Padula)

R. Moscow via Blagoveschensk, 7180, card in 1 month air. (Plum)

R. Moscow via Nikolayevsk-on-Amur, 9780, 3 weeks air. (Cwikla)

AUSTRALIA: R. Australia, Lyndhurst, World Dx Friendship card, 2 1/2 months. (Meehan)

RA, Perth, 9610, card in 6 weeks air, 1 IRC. (Wilson)

RA, Shepparton, 11710, card w/all data, sked, 54 days, 3 IRCs. (Semsky) 17795, card in 3 months. (Meehan)

Radio Australia, full data card in 3 months sea, no IRCs. (Jones) card in 13

weeks. (Jones) 15240, 'Telescope' card, pennant, 95 days sea, no IRCs. (Peraaho)

AUSTRIA: ORF, 15390, 'Lake' card air in 3 weeks. (Padula)

AZERBAIJAN SSR: Baku, 9840, paper QSL w/EE details, via registered mail in 6 weeks. EE rpt are acceptable there. (Padula)

BOUGAINVILLE IS: R. Bougainville, 3322.5, QSL folder in 3 weeks, all data. (Cwikla)

BRAZIL: R. Difusora do Maranhão, 4755, letter w/date and freq. 1 month registered mail, PP report and mint stamps. (Lineback) PP letter from v/s. Valberto Silva Borges, 2 months air for PP report and 2 IRCs. (Plum)

R. Nacional de Brasilia, 15445, card in 1 month, 3 IRCs. (Earhart) full data card and pennant, 27 days, 2 IRCs. (Jones) card and pennant in 1 month for 5 IRCs. (Ball)

BRUNEI: R. Brunei, 7215, yellow/green map card w/all data except time. 18 days air for EE report and 2 IRCs. (Johnson)  
BULGARIA: R. Sofia, card w/full data, sked, 2 weeks air no IRCs. (Fino)  
BURUNDI: La Voix de Rev. 3300, folder card w/all data except time, 19 days for NASWA FF report and tape, 2 IRCs, mint stamps. VIC# 185 (Henderson) folder card w/all data, requests more reports, 5 weeks for FF report, 1 IRC. (Robinson)  
BYELORUSSIAN SSR: R. Moscow via Orcha, 9655, card air in 4 weeks. (Padula)

QSL - CARD	 <b>FUNDAÇÃO NOSSA SENHORA APARECIDA</b> <b>RADIO APARECIDA</b> <b>ZYE - 236</b>
	9635 KHZ <span style="margin-left: 100px;">4985 KHZ</span> <span style="margin-left: 100px;">1600 KHZ</span> <small>31 M <span style="margin-left: 100px;">02 M</span> <span style="margin-left: 100px;">187 M</span></small> 12570 - APARECIDA - SAO PAULO - BRASIL
	Dear Mr. SAMUEL L. BARTO - U S A  This card verifies your reception of <b>RADIO APARECIDA, ZYE - 236, - BRASIL</b> on 08/08/73 at 07:44 to 07:50 TMG Frequency: 9.635 KHz Band: 31 m. (YOUR DETAILS ARE CORRECT! THANK YOU!)   Waldemiro José Fontanari GERENTE

CAMEROON: R. Buea, card in 2 weeks for EE report, 1 IRC. (Robinson)  
CANADA: R. Canada Int. card w/all data in 3 weeks registered mail, no IRCs. (Fino) full data WDX 73 card in 26 days surface. (Mayer) full data card in 21 days surface, no IRCs. (Paschke) WDX 73 card in 1 month. (Meehan)  
 CFCN, 6005, card w/date and freq. only, 22 weeks for 1 IRC, 500 watts. (Henderson)  
 CFRX, 6070, full data card in 15 days. (Werner)  
 CHU, Time Station, 7335, card w/all data in 78 days. (Peraaho)  
CANARY IS: RNE, 15365, card and pennant in 2 months. (Cwikla) 11800, full data card in 253 days after note to Spanish Embassy in D.C., 1 IRC. (Schwartz)  
CAPE VERDE IS: R. Clube de Cabo Verde, 3885, green card w/veri staement and old freq. air in 23 days for EE report and mint stamps (used). (Burlew)  
CHAD: Ft. Lamy, 4904, Picture Qsl card w/full data, sked, 33 days for FF report and 2 IRCs (Schwartz).  
CHILE: R. Cooperativa, 9689, blue/white card w/date and freq. only. 1 month air for SS report and mint stamps. Also beautiful pennant. (Johnson)  
CHINA P.R.: R. Peking, card and pennant in 25 days air, no IRCs. (Peraaho)  
CLANDESTINE: R. Espana Ind. 10110, Picasso card from Paris, 4 months for report to Prague. (Cwikla) Picasso card w/all data in 4 months from Paris, 2 IRCs and EE report. (Yamron) Picasso card in 3 months for EE report and 2 IRCs. (Ball) 164 days sea, 1 IRC. (Mayer) full data card in 6 months sea, 2 IRCs. (Gendron)  
COLOMBIA: Brisas del Citara, 5032, letter air in 2 months from Javier Betancourt G. (Dexter) Ondas de Darien, 6085, letter in 6 weeks. mint stamps. (Sparks)  
 R. Santa Fe, 4965, card w/veri statement only, pennant, 3 months air for SS report and 2 IRCs. (Yamron) no data card, pennant, 5 weeks after f/up w/mint stamps. (Guarducci)  
COSTA RICA: R. Casino, 5954, green card w/veri staement, pennant, 41 days for 2 IRCs. (Earhart) TIFC, 9645, card w/all data, sked, 13 days air, 2 IRCs. (Peraaho)  
CZECHOSLOVAKIA: R. Prague, 5930, full data card in 6 months, 1 IRC. (Wilson) 9740, "Buildin -g" card in 3 1/2 months. (Meehan) 7345/11990, cards in 3 months air, no IRCs. (Fino)  
ECUADOR: R. Nac Espejo, 4860, 2 prepared cards thanks to Rodger Stubbe of HCJB. (Dexter) see QSL-1 of December QSL REPORT..Ed.  
 R. Rio Amazonas, 4870, letter w/all data and personal note in 6 weeks for EE report and 2 IRCs. (Yamron) EE letter in 2 months air, mint stamps. (Sparks)  
 R. Quito, 4923, sent blue folder, pennant, 40 days for SS report and mint stamps. (Koret) no data card, nice pennant, 3 weeks air for SS report, mint stamps. (Johnson)  
 HCJB, full data card in 32 days air for 2 IRCs. Also info on HCJB Dx Club. (Paschke) 11895/9760, cards air in 4 weeks. (Padula)  
FINLAND: R. Finland, 15185, full data 'Seasons' card, cancelled stamps, sked, antenna sheet, 7 weeks air, no IRCs. (Jones) card w/all data in 5 weeks air, 1 IRC. (Earhart) card in 25 days, 2 IRCs. (Guarducci)  
FRANCE: ORTF, card w/full data in 31 days for EE report, 2 IRCs. Says they are out of pennants. (Pascke)

# T G V N

3,360 Khz.

Señor LARRY M. ABRAHAM

Pueblo o Estado 3339 Sherman

Ciudad Bridgeport, MI 43722 E.E.U.U.

País Estados Unidos.

Confirmamos su reporte con fecha 15 de Septiembre

de 19 73 que fue bien X malo conforme datos

enviados a esta Radioemisora La Voz de Nahuatlá.

Transmisor PHILIPS - Operamos con un Kilowatio - Banda de 90 metros

Antena horizontal de 42.40 metros - Altura 22 m.

Gracias por su  
amable reporte.

Thank you  
for your report.

RADIO LA VOZ DE NAHUATLÁ

Nahuatlá, Depto. de Sololá

Guatemala, Centro América.

GALAPAGOS IS: La Voz de Galapagos, 3521, card and letter in 3 weeks from v/s. Carlos Uria S. (Ryan)

GERMANY GDR: R. Berlin Int. 11890, card w/full data, 50 days. (Peraaho)

GERMANY GFR: Deutsche Welle, card w/all data, pennant, 19 days air, no IRCs. (Peraaho)

DW via Wrtachtal, 7105, card air in 3 weeks. (Padula) full data card and calendar, 2 months, no IRCs. (Fino)

GREAT BRITIAN: BBC, full data card in 7 weeks for 3 page report, no IRCs. (Kanny)

VOA Wofferton, 7200, full data card in 24 days. (Mayer)

GREECE: HNBI, 6175, card and EE letter in 6 weeks. (Padula)

VOA Kavala, 7295, full data card in 1 month, no IRCs. (Bowlsby) 11960, card w/all details, 3 weeks. (Johnson)

HAITI: R. Citadelle, 6157, full data letter from D. Bastien in 2 weeks for 2 IRCs (returned) postmarked from Florida. (Gendron)

4VEH, 11835, 'Memorial' card w/all data, sked, 98 days, 1 IRC. (Schwartz) full data folder card, souvenir ruler, cancelled stamps, 9 weeks air for 3 8¢ U.S. stamps. (Jones)

HOLLAND: R. Nederland, Lopik, card air in 2 weeks, this freq. difficult for reception in this area. (Padula) 15305/15420, cards for experimental trans to Far East. (Padula)

HONDURAS: R. Progreso, 4920, letter w/full data and station decal in 5 weeks, 2 IRCs.

HUNGARY: R. Budapest, 9833, card w/all data in 2 months. (Meehan) card w/all data, sked, registered mail, 6 weeks, no IRCs. (Fino)

INDIA: AIR Delhi, 11810, full data card of Taj Mahal, 4 months, no IRCs. (Johnson) 11810, card w/date only, 22 days no IRCs. (Jones) card in 4 weeks. (Padula)

INDONESIA: Borneo-RRI Banjarmasin, 3250, EE letter in 3 weeks air for II report. (Padula)

RRI Samrinda, 3295, II letter w/full data, 27 days for NASWA II report, V/S.

A. Helmg Toha BA. mint stamps sent. (Henderson)

Celebes-RRI Gorontalo, 4900, full data II letter, 21 days for mint stamps (used) v/s. Jaman Abdullah. (Henderson)

RRI Medanado, 5987, II letter in 1 month for 1 IRC. (Robinson) EE letter in 4 weeks w/all data, v/s. Rein Wuisang, who would like to receive souvenirs from U.S. (Cwikla)

RRI Ujung Pandang, 5054, EE letter and photo QSL card, 3 weeks registered mail from Slamet Poedjono, Dir. (Dexter) EE letter w/all data and card, 4 weeks registered mail. (Robinson)

Java-RRI Semarang, 3935, II letter w/date, veri statement, 28 days air for NASWA II report, mint stamps. (cont)

RADIO

**SANTA FE**

H.J.C.G. ONDA LARGA 1.070 KS.  
H.J.A.E. ONDA CORTA 4.965 KS.  
H.J.K.I. FRECUENCIA MODULADA 97.5 MC.  
13.200 WATIOS DE POTENCIA

★ **BOGOTA**  
Colombia

v/s. Rachmat  
Bowsorharto. Addr:  
per WRTH. (Henderson)

Voice of Indonesia, 11713, card  
w/all data in 2 months air for EE report  
and 2 IRCs. v/s. Mrs. Lies. (Seymour)

Sumatra-RRI Jambi, 4927, full data in 32 days for  
NASWA II report, mint stamps. (Henderson)

RRI Medan, 4763, letter, postcard, 5 weeks  
air for II report and mint stamps. v/s. Salam Bangat, Chief RRI Nusan-  
tara III. (Sparks)

**INDONESIA:** RRI-Jayapura, 7165/15245/3905, EE letter in 3 weeks for separate reports in II over several months. V/S. claims reports take many months to reach station, even though mailed air V/S. Sardjono Bambang Pramono. (Padula)

**IRAN:** Voice of Iran, 9022, full data card and booklet on Persepolis, after many f/ups, and letter to attaché in DC. 127 days air, 4 IRCs. (Schwartz) 15084, full data card and pennant by registered mail in 3½ months for no IRCs. (Word)

**IRAQ:** Radio Baghdad, 9745, full data card plus station emblem, 2 months for EE report, no IRCs. (Word)

**ISRAEL:** IBA, card w/all data air in 34 days, no IRCs. (Schwartz) full data 'Menorah' card in 100 days for EE report and 1 IRC. (Mayer) 9009, card in 6 weeks, 2 IRCs. (Mendel) 15265, card air in 6 weeks. (Padula)

**ITALY:** RAI, full data card airmail in 2 months, no IRCs. (Fino)

**IVORY COAST:** R. Abidjan, 11920, full data 'SWL' card in 46 days for EE report and 2 IRCs. (Mayer) full data card in 6 weeks, 2 IRCs. (Earhart) card in 2 months for mint stamps. Requests reports. (Cwikla)

**JAPAN:** R. Japan, card w/out time in 12 days air, no IRCs. (Jones) card w/all data in 11 days. (Paschke) 17825, card in 20 days air. (Meehan)

FEN, 6155, blue/white card w/all data in 2 weeks. (Meehan)

JJY, card and sked in 3 weeks for EE report, no IRCs. (Robinson)

**KOREA N:** R. Pyongyang, 12075, card in 14 weeks w/Korean stamps, 430 page hardcover book on Kim II Sung, no IRCs. (Wayslik) full data card in 4 months after f/up, no IRCs. (Bowlby)

**KUWAIT:** R. Kuwait, 15415, card in 2 months for 2 IRCs. (Ball)

**LATVIA SSR:** R. Riga, 5955, 2 cards, sked, and EE letter, 4 months. (Cwikla)

**LUXEMBOURG:** R. Luxembourg, 6090, antenna card in 9½ months for 2 IRCs and f/up. (Kelly)

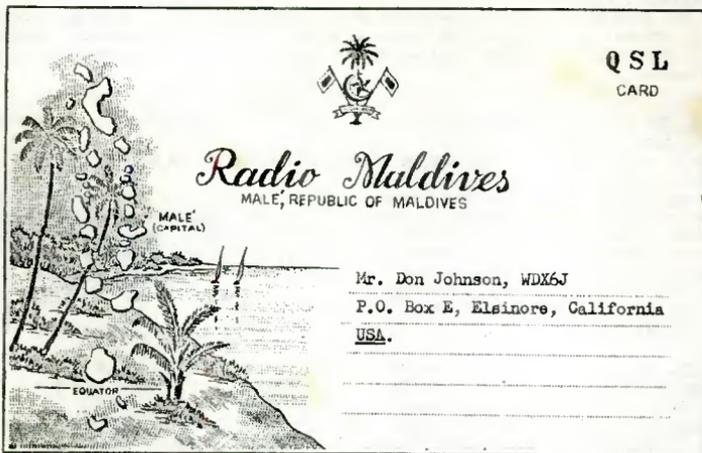
**MALAGASY REP:** RTVM, 17730, card w/veri statement in 29 days for FF report and 3 IRCs. (Henderson) no data card in 38 days for EE report and 2 IRCs. (Mayer)

R. Nederland, 11740, card in 9 weeks. (Sparks) 7275, card air in 8 days!

nct bad from Holland to Australia! (Padula)

**MALAWI:** MBC, 3380, long letter w/full data in 2 months for mint stamps. (Koret)

**MALDIVE REP:** R. Maldives, 3331, grey card w/island picture, 42 weeks air for EE report and mint stamps. V/S. Umar Zahir Dir. For reception on West coast. (Henderson) 4740, card w/all data in 7½ months registered air for 3 IRCs. (Johnson) see QSL below..Ed.



**NETH ANTILLES:** R. Nederland, 11730, 'Queen Juliana' card w/all data, 52 days air, no IRCs. (Semesk) 11730, card in 11 days air. (Peraaho)

Norea Radio (Norway) via TWR-Bonaire, 15275, personal letter in EE from Anne Lill Espogran, air in 9 weeks. (Padula)

**NEW HEBRIDES:** R. Vila, 3945, folder card w/all data in 31 days air for EE report and 4 IRCs. Power 2 KW. For reception on West Coast. (Henderson) Tam-Tam card w/all data, for West Coast reception. (Robinson) See QSL on pg 5..Ed.

**NEW ZEALAND:** R. New Zealand, 'Globe' card w/date and freq only, 16 weeks sea for 1 IRC. (Jones) 15110, card in 5½ months sea. (Koret)

**OKINAWA:** VOA, 7165, card w/site in 6 weeks for no IRCs. (Ball)

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

To: Dan Henderson

Of: Maryland, UNITED STATES OF AMERICA

I am pleased to be able to confirm your  
reception of this station  
at G.M.T. 0804

on 17 OCT 73

TRANSMITTER: AWA BTH-2

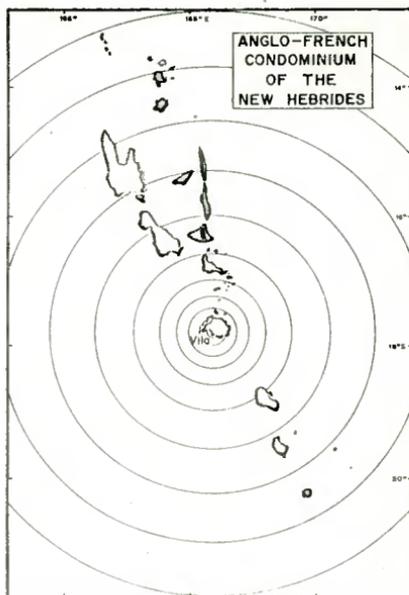
FREQUENCY: 3945 kHz

NOMINAL OUTPUT POWER: 2KW

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

*Padula*

for Radio Vila



PAKISTAN: R. Pakistan, 15325, letter in 3 weeks from Controller of Planning and Research, Rwalpindi adress. (Padula) 17915, card in 3 weeks via Embassy in DC, requests reports. IRCs returned. (Seymour)

PAPUA: ABC Port Moresby, 4890, map card in 3½ months after f/up, 3 IRCs. (Bowlsby)

PERU: R. Atlantida, 4785, long SS letter w/verie statement and pennant. (Cwikla)

R. Nacional, 6082, post card w/verie statement on back. 3 months for SS report and mint stamps. (Koret)

R. Quillabamba, 5025, letter and beautiful green pennant, 2 weeks air, mint stamps.

PHILIPPINES: FEBC, 7225, card and sked in 7 weeks for 3 IRCs from V/s. Joan Ross (Sparks)  
QSL Secretary. (Ball)

POLAND: R. Warsaw, 11815, card air in 20 days, 3 IRCs. (Fino) map card and EE letter air in 3 weeks. (Padula)

A NON-QSL! 9755, card and letter in EE in 4 weeks air. Refused to verify report for home service relay (unlisted in WRTWH or in Polish Radio Foreign Svc skeds) but verifying instead 9675 the Polish Program for Polish Seamen! Seems as if a case once again of Correspondence Dept. being unaware of Technical operations. (Padula)

PORTUGAL: R. Portugal, 6025, map card w/all data, 3½ weeks. (Brown) map card w/date and wrong freq. 3 weeks, no IRCs. (Wasylik)

DW-Sines, 11865, blue card in 6 months. (Cwikla)

RFE Lisbon, 15215, card in 1 month for 3 IRCs. (Bowlsby)

RHODESIA: RBC, 3396, 'Gazelle' card in 2 months air for 2 IRCs. (Plum)

ROMANIA: R. Bucharest, 11775, 'Building' card w/full data, 3 months air for 2 IRCs. (Fino) 11940, card w/all data, sked, 85 days air. (Peraaho)

R.S.F.S.R.: R. Moscow via Kalach on Donn, 15200, card in 2 months. (Koret)

R. Moscow via Omsk, 17815, card in 2 months. (Koret)

RWANDA: R. Rwanda, 6055, white card w/verie statement in 3 months for 2 IRCs. (Earhart)

SABAH: R. Malaysia, 5980, map card in 3 months for mint stamps. (Bowlsby)

SENEGAL: R. Senegal, 7210, full data card in 19 days air for EE report and 2 IRCs. (Johnson) 7210, 'Banjo' card in 4 months for FF report and IRCs. (Koret)

SEYCHELLES: FEBA, 11955, new map card, info and stamps in 1 month for 3 IRCs. (Bowlsby)

SINGAPORE: R. Singapore, 11940, full data card in 78 days, 1 IRC. (Werner)

SOLOMON IS: SIBS, 3995, map card in 2 weeks after f/up. (Cwikla)

SOUTH AFRICA: RSA, 'Giraffe' card w/all data in 16 days, no IRCs. (Earhart) 4830, card air in 2 weeks. (Padula) card in 12 days air, no IRCs. (Sellers) card w/full data in 17 days for 2 IRCs. (Paschke) 4790, Home Svc. card in 14 days. (Schwartz)

SPAIN: RNE, 11925, card in 51 days and 184 page program sked. no IRCs. (Peraaho)

SRI LANKA: R. Sri Lanka, 9720, card in 1 year for 2 IRCs. (Cwikla)

SWEDEN: R. Sweden, 21615, full data 'Northern Lights' card in 20 days, no IRCs. (Jones)

SWITZERLAND: SBC, 5980, card air in 3 weeks. (Padula)

TAHITI: R. Tahiti, 11825, card w/all data, sked, air in 272 days for EE report, no IRCs.

(Burlew) 15170, card w/drawing of tourist thumbing his nose or some such thing., hi. 9 months for EE report and 1 IRC. (Wasylik) card in 8 months for 3 IRCs. (Ball) blue card in 8 months after 2 f/ups, 2 IRCs. (Sellers)

TAIWAN: APTN, 3990, full data blue/gold/red/white APTN card in 60 days surface, no IRCs. (Hardester)

R. Liberty, 15125, card in 2 weeks for 3 IRCs. (Bowlsby)

TANZANIA: R. Tanzania, 15435, card in 13 days, 1 IRC. (Wasylik) 15435, card in 20 days, no IRCs. (Koret)

THAILAND: Ministry of Education, 6062, card and letter w/all data in 3 weeks from Director (Ryan) Thai TV. 7108, letter in 3 weeks for EE report, 1 IRC. (Robinson) EE letter in 3 weeks giving verie statement. 2 IRCs and Vietnamese report. (Earhart)

TURKEY: Voice of Turkey, 11880, card and flag pennant in 3 months for 2 IRCs. (Ball) 2 cards after f/up plus tourist info, sked, etc, 1 1/2 months for mint stamps. (Bowlsby) Ankara Polis Radyosu (Police Radio) via TRT on TRT card since Polis Radyosu has no card of their own. Frequency and 'Polis Radyosu' handwritten. Signed by S.P. Tals. (Shaw)

DEPARTEMEN PENERANGAN  
DIREKTORAT RADIO REPUBLIK INDONESIA  
STUDIO : JAMBI

ALAMAT : JALAN R. MHD. TAHIR 36

TILP. 21481

No. : 477/S.13/1973.

JAMBI, 21 Nopember 1973.

HAL : Laporan pendengar.

LAMPIRAN : -----

Kepada Yth :

Saudara DAN HENDERSON

317 Brock Bridge Road

Laurel, Maryland, 20810

U . S . A .

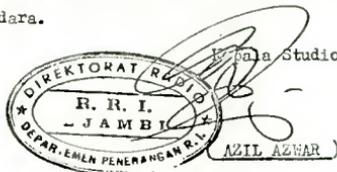
Dengan hormat,

Laporan saudara tentang penerimaan siaran RRI Studio Jambi pada tanggal 17 Oktober 1973 antara jam 12.02 sampai dengan 12.31 GMT telah kami terima.

Saudara Dan Henderson :

Setelah menyesuaikan laporan saudara dengan program siaran kami, dapat kami nyatakan bahwa laporan saudara adalah " BENAR ".

Demikianlah penjelasan kami dan terima kasih atas laporan saudara.



RADIO



ngostura

LA EMISORA SENSACIONAL DE GUAYANA  
YVSW 1100 Kcs. — YVSWFM — YVSW Onda Corta

CENTRO RESIDENCIAL EL BOSQUE

Avenida Libertador, Edif. Ecuador, ter. Piso, Ofic. 1-B  
Telfs. 72.67.64 - 71.57.72 — CARACAS Venezuela

Estudios: Avenida Sucre, Edif. "Mi Nena", Entrada "A"  
Apdo. 31 — Telfs. 22.202 - 22.205 — Ciudad Bolívar

Ciudad Bolívar, 27 de noviembre de 1.973.-

Señor  
William S. Sperks  
1100 Hearst Building  
San Francisco, California  
94103 U.S.A.

Estimado amigo;

Con el mayor agrado estamos contestando su amable correspondencia. Reciba un caluroso saludo de todos los venezolanos y especialmente del Estado Bolívar, a la vez le agradecemos el habernos reportado la recepción de nuestra emisora en aquel, su bello país.

Consultadas nuestras programaciones, puede estar seguro que todos los detalles dados en su atento reportaje sobre lo escuchado son ciertos. Le estamos enviando postales con dos de nuestras maravillas, así, como también un banderín de nuestra emisora esperando sean de su agrado.

Sin otro particular a que referimos y esperando recibir una nueva correspondencia suya, quedamos de Ud. muy atentamente,

p. Radio Angostura, C.A.

Sinar Guerra Madriz.  
Director

**UKRAINIAN SSR:** R. Kiev, 11900, card w/all data, 103 days. (Peraaho) cards for 11900/12050, 2 months air. (Fino)

R. Moscow via Lvov, 7150, card air in 4 weeks. (Padula)

**UNITED STATES:** AFRTS, 6110, blue/white card in 7 days. (Meehan)

KGEI, 15280, card w/all data and pennant, 77 days for 2 IRCs. (Peraaho)

United Nations Radio, 11850, Bethany, card and sked sea in 8 weeks. (Padula)

UN-Dixon, 5955, card and sked in 8 weeks. (Padula) Note: UN is not currently giving xtrm sites on QSLs, merely freq.

WYFR, 17845, gray card w/WYFR in red, full data in 39 days. (Mayer) card and sked in 1 week. (Cwikla)

**VENEZUELA:** R. Angostura, 6119, letter, postcards and large pennant; 2 weeks air for mint stamps. V/S. Sinar Guerra Madriz. (Sparks)

R. Rumbos, 9660, card w/full data in EE, 2 months registered mail. (Fino)

R. Tropical, friendly SS

letter w/all details except time, also

pennant. 6 weeks for 1 IRC. (Brown)

**VIETNAM S:** VTVN, 7175, card air in 3 weeks for FF report, 2 IRCs. (Padula)



**Corai radio tropical**

RADIO ANUNCIADORA INTERNACIONAL, C. A.

EDIFICIO TORRE DEL OESTE PRIMER PISO-EL SILENCIO

TELEFONOS 42.11.61 - 5 APARTADO POSTAL 3474

CAPACAS - VENEZUELA

**WINWARD IS:** R. Grenada, full data letter in 15 days on 2nd try from V/S. Desmond Baptiste for N.P. Da Breo, Manager. (Ball)

**YUGOSLAVIA:** R. Beugrade, 9620, full data folder card in 64 days air for IRC. (Mayer)

**ZAIRE REP:** Bukavu, 4939, letter in FF in 4 weeks for FF report, V/S. Madimba Shambuyl, Chief of Regional Svcs. (Padula)

**ZAMBIA:** ZBS, 9580, plain full data card. V/S. C. Phiri asks for more reports. 7 weeks air for EE report and 2 IRCs. (Johnson)

THANKS TO THIS MONTHS 39 REPORTERS.

David Ball, CANADA  
 Jeff Bowlsby, CANADA  
 Mark Brown, OH  
 Doug Burlew, PA  
 Tom Cwikla, CT  
 Gerry Dexter, WI  
 Ken Earhart, PA  
 Henry Fino, NY  
 John Gendron, VA  
 Ciro Guarducci, CANADA  
 Mike Hardester, CA  
 Dan Henderson, MD  
 Don Johnson, CA

Jim Jones, TN  
 Joseph Kanny, NY  
 Gregg Kelly, VA  
 Rich Koret, NY  
 Jerry Lineback, ILL  
 Al Mayer, ILL  
 Jim Meehan, CA  
 Bob Padula, AUSTRALIA  
 Bill Paschke, WI  
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 William Plum, NJ  
 Daniel Robinson, PA  
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 Lewis Werner, CA  
 Solomon Wilson, PA  
 Jerry Word, GA  
 Larry Yamron, PA  
 Charles Loudenboomer, NINI-NIBI  
 Dangan Hormat, INDONESIA

Illustrations courtesy of: Mark Brown, Dan Henderson, Don Johnson, Sam Barto, Bill Sparks and Larry Abraham.

**WANTED:** Clear copies (or original providing you enclose return postage) of interesting QSLs. (Card or letter)

**LAST MINUTE NOTES:** Stations in Papua/New Guinea require 3 IRCs for Airmail return.

**PLEASE!** When reporting print your last name at the end of each item. Thanks



Over and Out by rodrigues

Until Febuary Good Dx And 73's,

Larry Yamron

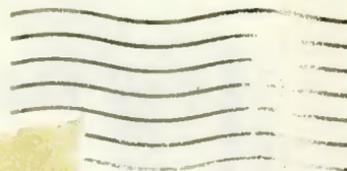
73 from

**NASWA**

BOX 8452

So. Charleston, W. Va. 25303

Address Correction Requested



**FIRST CLASS MAIL**

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