

F R E N D X

The SHORT WAVE BROADCAST Journal - Since 1962

NORTH AMERICAN SHORTWAVE ASSOCIATION

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MALDIVES MALDIVES MALDIVES MALDIVES MALDIVES MALDIVES MALDIVES MALDIVES MALDIVES

On March 12, 1974, the 10th anniversary of Radio Maldives, and of the initiation of shortwave broadcasting in the islands, Radio Maldives will present a NASWA courtesy program tape at 1100 and 1215 GMT. The frequency to be used is 4740 kHz, 30 kw. Be sure to listen for it! We hope you can hear this special broadcast. Be sure to send detailed reception reports, include return postage. And if you are unable to hear this special broadcast, why not make it a point to drop the station a letter, thanking them for airing the program. And a tip o' the hat to Hank Michalenka for his work in arranging these special courtesy broadcasts.

COOK ISLANDS

Don't forget the special courtesy program to be aired by Radio Cook Islands on February 18, 1974, on 11760 kHz, at either 1045, 1100 or 1130 GMT. Again, even if you are unable to hear the broadcast, a note of thanks is in order to the station.

UPCOMING:

Work has begun on a book to be issued by NASWA, giving both an introduction to SWBC DXing, and much useful information for the veteran. The book will be printed on full-sized, 8 1/2 x 11 inch, sheets, bound with a plastic spine thus allowing additional pages to be added upon issue, offset printed. Many useful articles from past issues of FRENDX will be included - reprints not previously available. In addition, we will have new articles/essays. The book will be rather large, or so it seems now, but we expect the low cost, when announced, will surprise you.

This book can be an extremely useful DXing tool if YOU will help by submitting articles for inclusion. Also welcome are suggestions as to past FRENDX articles that should be included. AND, YOU MIGHT TAKE THE TIME TO NOTE TOPICS YOU WOULD LIKE TO SEE COVERED IN AN SWBC REFERENCE BOOK.

NEW MEMBER PACKETS

Not currently available, new member packets are in preparation. On popular demand, membership certificates will be reinstated. Announcement will be made in FRENDX as soon as these are available. Please do not ask for them prior to that announcement.

PUBLISHING DATES

Some rescheduling of deadlines for editors to have material here in Charleston will result, we believe, in FRENDX getting in the mails much earlier than has been the case in recent months. It will take a month or two to get these new schedules into operation.

BE SURE TO TELL A FRIEND ABOUT NASWA MONTH

February has been so designated by Charlie Loudenboomer of Charleston, S. Carolina.



SHORTWAVE CENTER



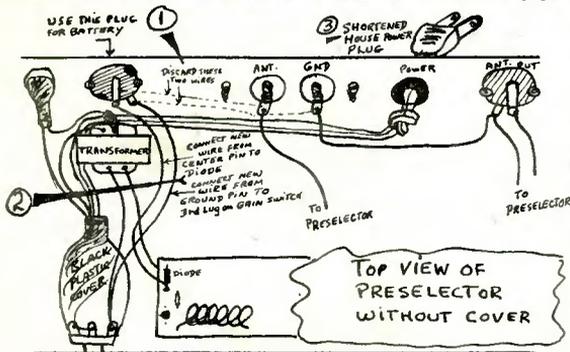
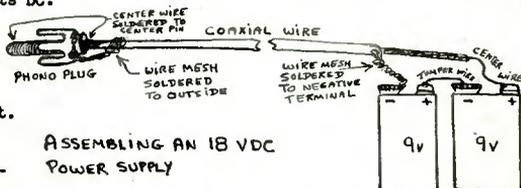
Edward C. Shaw
NASWA - WDX4EOV
621 Burling Avenue
Norfolk, Va. 23505 USA

HOW TO CONVERT GILFER'S PM-11CX PRESELECTOR TO PORTABLE USE AND GAIN EXTRA STRENGTH by Edward C. Shaw

One of the greatest disadvantages to DX-peditions is that one's DXing equipment often is not adaptable to battery power. But, these of us having receivers that can operate on battery power are frequently still at a disadvantage if other external equipment we like to use is not so versatile, too.

A few seconds with a small screwdriver opened the Gilfer PM-11CX Preselector to expose the simple circuit: a step down transformer providing about 13.5 volts. One lead of the stepped-down voltage was rectified by a small diode so that the RF amplifier was operated by 13.5 volts DC.

The RF amplifier circuit is a simple one and the voltage to operate it is not critical; as much as 20 volts DC may be applied without harm to the circuit. I saw right away that a couple of 9V transistor batteries in series would fill the bill nicely. Taping two of these batteries together and then connecting them in series to a length of coaxial wire with a phone plug at the end was the work of only five minutes soldering. See diagram above. This little construction makes it easy to apply battery power whenever you want it.



For handy battery access to the circuit from the outside, I disconnected the phone plug antenna input from the inside and added a couple new pieces of wire so that the center of the plug could be wired to the circuit board side of the diode, and the ground side of the plug could be wired to the third gain switch lug (which also has a wire from the transformer on it.)

To further eliminate unsightly and gangling wires all over the place, I unsoldered the regular power cord from the switch terminals under the black plastic protective cover, cut it short to about 12", then resoldered it to the switch terminals again and replaced the black cover. Remember to put the plug back through the rear chassis hole and knot it again before resoldering to the switch. I can always plug on a regular extension cord to the shorty end when I am home and want 117 volts.

Now we are ready to reassemble everything and see how it works. Remember that you must NOT leave the battery plugged in when not in use - the preselector will continue to draw current from the battery. This is because the gain control OFF position only applies to house current, and we have not altered that circuit. Likewise, you should remove the battery plug when using house current or the battery will continue to drain. Tests with a VOM while the preselector was working at maximum gain indicated a battery drain of 12 milliamps, while the series battery voltage dropped to 17.3 volts. For those not understanding the technical aspects of this, it simply means that the two transistor batteries should give pretty lengthy service - let's say a couple hours per day for 2-4 weeks, maybe more. If this still sounds like expensive electricity, remember - you now have a portable preselector you didn't have before. And, the extra voltage provided by the batteries gives about 20% additional db gain.

MILITARY SURPLUS EQUIPMENT IS AVAILABLE THROUGHOUT THE USA. WATCH FOR SPECIAL PUBLICATION TO BE AVAILABLE FROM NASWA IN COOPERATION WITH ANARC WHICH INCLUDES INFO ON MILITARY RX.

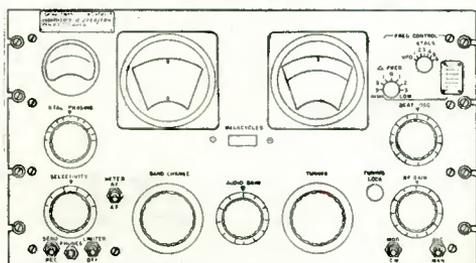
SPECIAL SPECIAL. SPECIAL SPECIAL

HAMMARLUND SP-600

GENERAL COVERAGE SHORTWAVE RECEIVER

by Edward C. Shaw

The Hammarlund SP-600 is readily available through most military surplus radio stores everywhere. These surplus dealers acquire such equipment through their successful bid to the U. S. Government to buy the equipment from various bases around the country, or from other persons, et al, who ultimately did get theirs from the U.S. Government. The equipment usually is sold "as is" - meaning mosting usable with minimal overhaul. Occasionally, some new surplus equipment which the military purchased is never used, and is finally sold to these highest bidders as well. Such was the condition of my SP-600. It was still hermetically sealed in foil wraps, crated and stamped in 1954. It weighed in at 87 lbs. I was pleased that the receiver came with about 10 lbs of additional extra tubes, fuses, and lightbulbs. The cost? \$330.00 - and, that's the cost usually found for even a moderately well-kept second hand model. The price of near \$2,000 one may see in magazines is highly optimistic on somebody's part, and is probably only the cost that Uncle Sam paid Hammarlund to make it.



The Hammarlund SP-600 is built like the proverbial Patton tank. The power transformer alone weighs 25 lbs. The military assigns special numbers of their own to receivers built for them. In case of the SP-600, of which there were several variations, all had different numbers. My model was the R-274C. Older SP-600's before 1950 were called "Super Pro."

The specifications enumerated in the inch thick manual accompanying the receiver are impressive to say the least, claiming that less than 3/4 microvolt will produce a 10:1 signal

to noise ratio. Selectivity is by crystal lattice filter and has options for 13, 8, 3, 1.3, .5, and .2 kHz - with phasing capacitor. Can you imagine?....200 cycles!!

I was not impressed with the bandsread on the SP-600 as it came. The circular dial on the right side is directly geared to the one on the left at a 50:1 turn ratio. There is a single tuning knob - and it is a chore to crank from one end of a band to the other. A typical 100 kHz segment on the main left dial is 1/4" wide, but on the right wheel, it is something like 2" wide, or 5 kHz = 1/10 inch. It varies according to which band you choose. The right dial does not come with any band markings other than a 0 to 100 logging scale along the periphery. With a bit of handy work and small tools, I removed the right hand dial plate from the receiver, circumscribed my own circles upon it with a compass, and by use of WWV, and a crystal calibrator, I made markings of my own for all the short wave broadcast bands. I used a #42 pen nib and india ink. This can provide visual selectivity to within 5 kHz. It's adequate for most, but I have devised a system by which I employ the tuning knob itself to aid me. This knob in turn has an 8:1 turning ratio compared to the right hand dial. By affixing a reference mark on the rim of the tuning knob, and drawing a scale on the receiver's face near the knob, I have managed to establish very close readings to within 1 kHz.

Other controls and features of the SP-600 include: S-meter; Band Selector Knob (which provides 535 kHz to 54 MHz coverage in six overlapping bands); Audio and RF Gain; BFO; Manual or AFC switch; and Noise Limiter switch. There is an extra feature permitting reception of six fixed crystal frequencies, but it is really of little use to the SWL/DXer.

The filtering system of the SP-600 is spectacular. Even the 200 cycle filter is entirely usable without much loss of gain. Each of the six main bands has four separate tuned circuits for antenna, RFs 1 & 2, and VFO. The receiver is dual conversion from 41 meters and above. The SP-600 does not come with a speaker, but has terminals in the rear for one. The impedance for these terminals is 600 ohms, so chances are a regular low impedance speaker (4-16 ohms) would sound distorted without addition of a step-down audio transformer.

CONSUMER'S EVALUATION OF HAMMARLUND'S SP-600 SURPLUS RECEIVER - Cont'd

The SP-600 may drift until warmed up. After a couple of hours it remains stable. For this reason, I never turn off my receiver - which costs about 7¢ worth of electricity per day maximum - and the tubes last a bit longer. My particular model came without a cabinet, being built to fit in shipboard mounting racks. I intend to make an attractive enclosure one day.

For all its superb filtering and general coverage, I feel rather biased when attempting to compare it with other receivers I have used. I have been spoiled by the stupendous eight-foot bandwidth of the SX-190 receiver. Frankly, I believe the SX-190 is a more sensitive receiver, especially on lower frequencies. But, the SP-600 filter selectivity is superior for shaving off side QRM, and it is general coverage. These are major redeeming virtues. I believe the SP-600 is generally too difficult to acquire for most persons. Although it is a top performer and the price is OK, I feel that it is too massive to be any other than a fixed station receiver, and that a comparable performer at slightly lower or same price may be available with better mobility. In all, I would not recommend the SP-600 as a beginner receiver. And, I would not recommend it as a main DXing tool without use of a 5 kHz calibrator to go with it. If the price is more than \$350.00, then a better value may be found elsewhere. As a closing remark, I should say that the SP-600 is a spectacular AM DXing receiver.

NOISE BLANKERS VS NOISE LIMITERS

by Perry Ferrell

There appears to be a tendency to lump both noise blankers and noise limiters into the same basket. While the end results may be the same (noise reduction or elimination), the blankers are entirely different beasts than the limiters. Because the limiters were developed first, let's look at them first.

LIMITERS: There is some evidence that limiters were originally developed to protect the eardrums of old-time CW operators from the deafening static crashes on the lower frequencies (below 500 kHz). Hams began using a modified limiter to shave off some of the pulse noise generated by auto ignition systems. In simplified terms, the limiter electrically shunts to ground all noise peaks. Some of the noise gets through with the signal you want to hear, but the over-powering loudness and ear-shock of the noise pulse can be controlled. Of course, the tighter you clip the modulation, the less noise to be heard; but, then the modulation will also be clipped, losing some of its intelligibility. During the 1940's there were some limiter circuits which were adjustable. There was a great rebirth of limiters in the early days of CB.

BLANKERS: All blankers are derived from the circuits designed by J. J. Lamb - who called his blanker, 'the noise silencer.' These complex circuits (the blanker in the Drake R-4C has 16 transistors) sense the noise pulses, invert them and then use the "reverse" pulse to silence the receiver for the duration of the pulse. Normally, your ear doesn't hear the silenced period, and with the noise absent, signals can be heard that would be otherwise inaudible.

Which is best? Blankers respond best to noise pulses that have what is technically known as a sharp leading edge: in other words a noise pulse that starts fast, is of very short duration, and ends about as fast as it started. This restricts the use of a blanker pretty much to auto ignition or similar popping-type noises. The noise from a fluorescent lamp would not be affected by the blanker; nor will some types of (electrical) motor noise, lightning static, etc. The limiter is obviously not so sensitive as to the type of noise - the limiter is indiscriminate - it clips off everything. Thus, a receiver with very tight limiting could be used to find a carrier in the midst of a lightning storm (you might not be able to read the modulation, but you could find the carrier - for whatever that's worth).

Anyone living near a highway where auto ignition is a problem should invest in a receiver that has provisions for a noise blanker. Blankers can also be used to DX through certain pulse signals (a good blanker will virtually eliminate LORAN signals). The limiter is desirable where there is a mixture of noises and electrical interference - of which auto ignition may or may not be a part. At least with the compromise of distortion induced by the limiter vs not hearing the signal at all, the limiter would be the best bet. Unfortunately, not too many good DXing receivers have a noise limiter, but if you can find one - grab it. Of course, the receiver with both a blanker and a limiter would be great. Anyone listening out there?

When it was built more than 40 years ago by Guglielmo Marconi, Vatican Radio was one of only a few hundred stations in the world. Now, there are tens of thousands. Some of them have an advantage of power, budget and listenership over Vatican Radio, but none of them is ahead of it in independence. Vatican Radio Transmitters are on Vatican Territory exclusively. Essentially, Vatican Radio is a short wave operation that is heard in non-European countries during one 15 minute period per day. A 100,000 watt RCA transmitter donated by the Knights of Columbus is the keystone of the four-transmitter set-up of Vatican Radio. A brass plaque with an inscription in Latin identifies the transmitter site in the tiny rural community at Santa Maria in Galeria northwest of Rome. The site was acquired by the Vatican in negotiations with Italy when it became clear that Vatican State proper could no longer contain all of its radio facilities. More room had to be found elsewhere. The transmitter site at Santa Maria enjoys the same extraterritorial status as Saint Peter's basilica. The engineer in charge of the station is Dr. Michele Lemme, a veteran employee. The call letters chosen for the Vatican station were H-V-J: H for Holy See; V for Vatican; J for Jesus Christ. They were selected by Pope Pius XI. An inscription in the transmitting site notes that Pope Pius XII named the archangel, Gabriel, as patron of radio communications.

The single transmitter site that Vatican Radio now has - along with the desire to broadcast in as many languages a practicable limits the amount of time it can transmit to a single area. If it had more transmitters it could be sending out two or more broadcasts at one time. Expansion of the transmitting capabilities brings up a number of puzzling questions involving more sites and costs. The best person most qualified to handle this is Father Antonio Stefaniszi, a physicist and broadcaster who follows closely all developments in international communications.

Some Americans recently formed a foundation to raise finances and technical aid for Vatican Radio. New methods of broadcasting developed by this foundation have brought the Vatican voice to America. Instead of depending strictly on short wave, Vatican Radio now can send programs over Atlantic cables by telephone wire. Any one of some 1500 radio stations in the USA can telephone a special New York number and obtain a tap-in of Ecu-Media News made by the Vatican Radio. Many stations record full programs for later transcription and airing.

As Vatican Radio moves from one language broadcast to another it has to shift the directional antenna of its group of transmitters so that the signal heads straight for the intended area. This takes time. The shifting is done by machine, but a three-minute safety margin is allowed for the procedure in case it has to be done by hand.

A Spanish department produces a taped 15-minute weekly program which is sent to many South American stations. The program is headed by Father Jese Gramunt, S.J., also director of Radio Fides in La Paz, Bolivia. Such outlying station directors often come to the Vatican for a one-year assignment.

Vatican Radio receives a few hundred letters each month from North American listeners. Most are from the USA, and are typically short wave reception reports. They are seeking verification QSLs which will attest to his having heard Vatican Radio. Father Gramunt also says many letters come from Cuba, but they are usually only requests for postcards, stamps and such from 'your wonderful country'. Many of their envelopes are made by hand. Moscow is another steady listener, but the Soviets obviously do not want their citizens tuning in. While there is little, if any, actual jamming anymore, a new Russian station will turn up on or near the same frequencies used by the Vatican and other broadcasters. Usually the Soviet station will be nearby. One known French speaking soviet station is near the Polish border. "Despite the interference, we believe," says Father Gramunt, "that our voice is being heard. It is not just special treatment for us. They do it to everyone."

BELOW, THE CRUCIFIX-SHAPED
TOWERS OF VATICAN RADIO



ANARC REPORT

CONVENTION 1974: Advance information has been received from ANARC Executive Secretary Al Reynolds about two bids which have offered sites for the 1974 ANARC Convention. The sites are: Denver, Colorado July 26-28 and Bronxville, New York July 5-7. It is very important to give your consideration to one of these sites and let your club headquarters know. Please read over the advance information below, then jot down your preference and mail it to Dan Ferguson, c/o NASWA Headquarters - we must have this information in order to permit our club to submit proper votes to ANARC.

* * * * *

Proposed Denver, Colorado Convention Plan
Hotel: Radisson Denver; \$16 Single person in room, \$8 each for two in room, or less if more in room.

Proposed program: WWV Tour (requiring bus ride about 1 hour each way), tour local AM stations, option for tour of National Bureau of Standards, Possible speaker from NORAD.

Host Committee: Rob Harrington, Brad Hart, Bruce Haines, Kevin Axelson.

Registration Fee: Est. \$7.00 *
Banquet Fee: Est. \$5.00 * (*add 6% tax)
Convention Room: Depending on number of rooms reserved. Free if 15 rooms used.

Accessibility: Denver is a major city with air, rail, and bus facilities.

Proposed Bronxville, NY Convention Plan
Accommodations: Concordia College offers their facilities at \$10 day/doubles. Communal bathrooms (dormitory-type),

Proposed program: Tour of AT&T point-to-point transmitter. Possible visit by Mr. George Jacobs, WOA Freq. Division; exhibit of receivers, possible local station, talk on modes of transmissions.

Host Committee: Chris Hansen, Phil Schnabel, Marc Fisher.

Registration Fee: Concordia College offers a "package deal" - rooms, meals, meeting place, etc. for \$20-\$25 plus cost of sleeping room (Total about \$35)

Accessibility: Northern edge of New York City area. Easy access from New England via highway. Easy from Grand Central Stn.

CONSIDER THE CHOICE OF LOCATIONS ABOVE - THEN LET DAN FERGUSON KNOW AS SOON AS POSSIBLE.

(Step on it!! Tempus is fugiting)

Other ANARC News: Welcome to Minnesota DX Club as an Associate (non-voting) ANARC member club. President is Jim Peterson. Membership; 11

World-Wide TV-FM DX Association has two bids in for their convention: Topeka and Fort Lauderdale. Final decision to be published soon.

Handicapped Aid Program urgently needs headphones, old receivers, and similar DX items. Write HAP HQ, 6805 Woodland Court, Coloma, Michigan, 49038.

Southern California Area DXers (SCADS) holding another meet in Tustin, California 16-17 February. Write Don Johnson, Box E, Elsinore, CA 92330.

SPEEDX has retained Art Glover as Chairman of the Board for another two years.

NOTE: The European DX Council (ANARC's counterpart in Europe) offers several useful reprints for nominal fees. If you would like to have a list of what is offered, please send a self-addressed and stamped envelope to Ed Shaw for a xerox copy of EDXC's current list. Ed Shaw, 621 Burleigh Avenue, Norfolk, Va. 23505 USA.

LIMERICK LAUREATES

Hoping that the following doesn't intrude on Mac Leonhardt's brainstorm, 'the DX Limerick' Short Wave Center is happy to offer space to those occasional funny-boners for FRENEX. This one will tug at the heart of all who have strained for that ID...and missed.

Take the case of DXer McGee;
He latched on to a real rarity;
He listened a spill, and was all set to yell
When a noise burst drowned out the ID.

By: Ed Ricchezza, Pennsylvania

Or pity poor Marty McDevitt,
(He figures it's best to forget it);
He listened an hour, but the ID went sour,
'Cause his wife just then yelled "Come and get it!"

I awakened one day before dawn
A hot tip had encouraged me on;
Tho the signal was poor,
I heard it for sure,
But, I sneezed and the ID was gone.

THE BEVERIDGE ANTENNA: I'LL DRINK TO THAT!

You've heard of them... and, so had I. The "super antenna", the mysterious and exalted Beveridge. But, it wasn't until I'd logged BOTH Swazi and Tristan Radio in a 24 hour span that I became a believer.

Swazi was a simple matter, actually. Working from the formula in the ARRM Antenna Book, I patiently constructed the appropriate antenna for the job. A stack of 6,155 rusty Coca-Cola cans took care of the resonant frequency, and mere use of sheet metal cutters allowed me to snip the letters "O"... "R"... "P" from one of the cans. There...that eliminates the interference from Vienna.

At 0400 I cranked up the receiver, and after carefully positioning the soda straw sticking out of the uppermost coke can to the proper bearing for Swaziland.. Presto!! The report was out the next day, and I still have the tape for any doubting Thomases. Subpoena me if you wanna hear it.

But Tristan! Now THAT'S a different story. How confident I was...yeah, they'd be there, I knew it. I just knew it! And, I'd have a good 15 hours to modify the super antenna to do the job.

I was up all night. First, up on the ladder, filling my wheelbarrow with the 2,865 coke cans I'd have to pitch out of the stack to lower the resonance to 3290 kHz. Next, the metal shears again. This time, though, "G"... "B"... "C" went. good-bye Georgetown! And, to play safe, I also snipped off.. "UTE". I was done in record time, 1400 Greenwich. I had time to shower, shave, and even catch breakfast and a few Z'e.

1855 rolled around. Ah, what a beautiful day! I sat before the SX-100, that knowing smile plastered on my face. Heh, heh... no QSLs in the mail... but today, TODAY Tristan would be mine!

1858. Nothing.

"Hey, what's that Wireless Administrator whatchacallit doing, taking an extended coffee break?? C'mon!!! I huffed, and a few beads of sweat broke over my brow.

1859:15 Greenwich stinkin' Mean Time. And nothing... not a DARN thing.

"Where's the blastit interval signal??!!? I muttered aloud...louder than I'd thought, for the cat jumped, the bird started fluttering around the cage in those little circles, feathers shimmering to the ground. My roomie turned his head, but seeing me under my earphones, didn't bother to ask.

Panic! Sheer panic, with a capital "P".

"Yeah... the frequency was OK... and the preselector on target, yeah... but what the heck's wrong with the bev..."It hit me."

"GREAT GABERONES!!!" I yelled out. The bird really went nuts now, flittin' around and banging into the cage walls. I bolted from the receiver and down the stairs like a man possessed.. stormed into the bathroom, tore upon the medicine chest.. and without stopping, dove headfirst out the window into the back yard. A couple of scratches, and I only ripped my shirt slightly. Racing into the garage, I swooped up the old wood ladder and charged the pile of cans in the back yard.

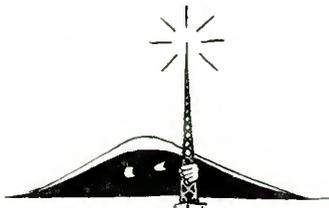
"Okay now... up to the top of the stack.. and.. there!" putting a small white pill into the top can.

I was back into my shack before the receiver in a flash. 1900 GMT. Whew! The OM with English accent and all, boomed in: "This is Tristan Radio, Z-O-E, Broadcasting Service of...." the heavenly signal went.

Ah, relief. I lit up a cigarette and sat back. How silly of me to have forgotten the most important part of the beveridge antenna!

After all....it IS Tristan da Cola, isn't it?

by Ralphus Perry



CLANDESTINE BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA, Tel. 215-II5-7699

CB is very proud this month to present a timely and gripping article by Kenosha newsman Don Jensen. Using his professional talents, he unearthed the material firsthand on the Basque revolutionary clandestine station, Radio Euzkadi.

As we all know, the Basque ETA, which runs Radio Euzkadi, recently claimed credit for the assassination of Spanish Premier Luis Carrero Blanco, Generalissimo Franco's right-hand man. In so doing they brought back reminders of the long and bloody Civil War (for the complete story on this and the Spanish Communist movement, see the June, 1973, issue of CB)...and also declared to the world that the ETA had made the move from semi-peaceful protest and propagandizing to overt revolution and violence.

Although Don's manuscript was completed before the assassination, it is most timely. Aside from the usual DX considerations, the commentaries over Radio Euzkadi since the Blanco affair give a "You Are There" quality rarely achieved in the mass media.

WILL THE REAL RADIO EUZKADI PLEASE STAND UP!

By Don Jensen

What -- and where -- is Radio Euzkadi?

For nearly a decade, over a quarter century if you count an earlier incarnation, the clandestine "Voice of the Basque Underground" has bugged SWL's.

And no wonder! Radio Euzkadi is the secret shortwave station of an invisible government of a nation that exists only the the minds and hearts of its people.

It's both the most easily heard and the most mysterious clandestine broadcaster. Though it pretends to be hidden away in the mountains of southern Europe, actually it's located on another continent, 5,000 miles away. Its story has a million-dollar twist, and, at least peripherally, involves kidnapping, torture, murder...and -- more recently -- assassination!



RADIO EUZKADI — EUZKADI IRRATIA

Date: 30. Avril 71 196

- | | | |
|------------------------------------|--------|--|
| <input type="checkbox"/> 20.30 GMT | 80 K W | <input type="checkbox"/> 23 m. 13.250 KHz. |
| <input type="checkbox"/> 21.30 GMT | | <input type="checkbox"/> 19 m. 15.080 KHz. |
| <input type="checkbox"/> 22.30 GMT | | <input type="checkbox"/> . m. _____ KHz. |

"La Voix de la Résistance Basque"

"The Voice of the Basque Underground"

Radio Euzkadi pretends to broadcast from the Basque Nation, high atop the mountain peaks.

QSL shows an antenna among the mountains (left), while QSL cards are postmarked from St. Jean-de-Luz, in the French sector of the Basque Nation (opposite).

Transmitters are actually located in Venezuela.



Basques were a free nation throughout history. Franco's uprising in 1936, assisted by Hitler and Mussolini, crushed the Basques depriving them of the remnants of their ancient freedom. Now under Spanish rule, without elementary human rights, Basques fight under cover to restore democracy in their land.

Les Basques: un peuple uni par l'histoire, par sa langue et par sa volonté de vivre en liberté. Le but de notre lutte est une Euzkadi libre dans une Europe unie en délivrant le peuple basque de la tyrannie.

AIR MAIL
PAR AVION
CORREO AEREO



QSL

postmark:
St. Jean-de-Luz,
Atlantic Pyrenees!

M. Lawrence E. Magne
B.P. 2133
Mid-City Station
Philadelphie, Pa. 19103
USA (Etats-Unis)



AIR MAIL
PAR AVION
CORREO AEREO

Radio Euzkadi broadcasts to the Basques, a strange race with an even stranger language, whose traditional homeland is the Pyrenees Mountains region straddling the Spanish-French frontier. Though most live south of the line, calling a husky young Basque a Spaniard is an invitation to a brawl. For over a century, but especially since they wound up on the short end of the Spanish Civil War, they've tried to regain their lost autonomy. Spain's Franco is the main villain in their book.

Radio Euzkadi broadcasts three daily, but repeated, half-hour programs on two wavelengths at 1830, 1930 and 2030 GMT. To escape Spanish jamming, it frequently shifts and slides a few kiloHertz, like O.J. Simpson dodging a linebacker. Programs are in Spanish and Euzkera, the Basque language, but there are English and French sign on announcements, too. Until recently it irregularly broadcast five-minute programs in English, as well; unfortunately, these were dropped several months ago. It operates near 13250 and 12080 kHz.

When it comes to their underground radio, Basques are defensive, tight-lipped and, occasionally, downright deceptive.

Snapped one, "If the word clandestine means secret, why should you be the exception?"

Their touchiness is understandable. They've had a tough time of it over the years. But Radio Euzkadi is far beyond the reach of Spanish authorities and such security really isn't necessary. But because of it, DXers have been unable to learn much about the station's history, operations, and especially, its location -- until recently.

To understand the mystery, one must know something about the Basques themselves. History is elusive. Some claim they were the last survivors of legendary Atlantis. Others hold that the cradle of their civilization was ancient Peru, or maybe it was Canada.

The origins of their language -- mostly x's and k's and z's -- are equally obscure. It's probably the oldest still spoken by man and is the only Western tongue not based on Indo-European roots. Some maintain it was spoken by Adam and Eve, the only language to escape the Tower of Babel.

Today, most scholars believe it all began about 4,000 years ago, when a Bronze Age people began a slow migration westward from Asia Minor. Millennia passed and their descendants, the Aquitani, settled in the Pyrenees during Caesar's days. From them came the Basques.

They knew freedom for a thousand years. Phoenicians, Visigoths, Arabs and the armies of Charlemagne fell back before Basque defenders. They produced priests and painters, poets and philosophers, and patriots. They sailed with Columbus and Magellan, won a pair of Nobel Prizes, and headed the governments of seven Latin American nations. St Francis Xavier, Miguel de Unamuno and Simon Bolivar all were Basques.

In the 1500's Spain and France divided up their mountainous land and for the Basques it has been mostly downhill since then. They lost the last vestiges of independence 130 years ago. Today, perhaps half of the two million Basques in the world officially are citizens of the Spanish provinces of Navarre, Guipuzcoa, Alava, and Biscay. Most of the rest live in France, the United States, and South America.

In 1936, in a bid for Basque loyalty in the civil strife, Madrid's Republican Government granted semi-autonomy (for more on this, see the June 73 CB). Under the Tree of Guernica, traditional assembly spot, a swarthy, hawk-nosed young lawyer, José Antonio de Aguirre y Lecube, was sworn in as Basque president. Ten months later, Guernica was in ruins and the short-lived "republic" had crumbled with it before the armies of Franco and his German and Italian allies.





Guernica: Where Hitler's techniques of offensive warfare were tested and refined for later use throughout Europe.

* * *

the Basque minority and made Madrid decidedly unhappy.

Even more provocative was an incident involving EAJ8, a station of the Sociedad Española de Radiodifusion in the northern Spanish city of San Sebastian. One night, the Basque underground -- they still won't say how -- cut the power circuit to EAJ8. For a half hour, Radio Euzkadi replaced the Spanish station on 1068 kHz. The broadcast, widely heard in Basque country, thoroughly embarrassed the Franco regime.

Under strong diplomatic pressure, France cracked down on the exiles. Father Onaindia was fired. And Radio Euzkadi was shut down. The medium-wave transmitter was dismantled and shipped to Paris, where it still remains, unused, in the basement of the exiled government's headquarters.

Two decades ago author Irving Wallace described the headquarters as "a chilly baronial mansion". Things have changed. Today, the clandestine Basque administration holds forth from a modern glass and stone apartment building in the pleasant Passy District of Paris' 16th Arrondissement. The Délégation d'Euzkadi, and its International League of Friends of the Basques, occupy the entire ground floor at 48 rue Singer.

Here is the plush office of President Jesús María de Leizaola, a scholarly-looking attorney who seems considerably younger than his 74 years. Here, too, are the Basque archives, plus offices, work rooms, and a meeting hall. In a prominent place in the hall, next to a map of Euzkadi, stands a bust of the first President, Aguirre, who died in 1960.

Leizaola's secretary, Sr. don Príncipe García, who readily admits that's not really his name, is voluble when it comes to Basque history and government. He'll tell you, for instance, that besides the President there are five cabinet ministers, each representing one of the traditional Basque political parties. And, animatedly, he'll relate firsthand stories of Basque suffering during the Civil War and after. But, though admitting its existence, he shrugs off questions about Radio Euzkadi.

Others were a bit more talkative, though. From their comments, and from scraps of data from sources in Spain, Switzerland and South America, the story was constructed.

The reborn Radio Euzkadi, it seems, returned to the air early in the summer of 1965, with a shortwave transmitter on about 13250 kHz, a frequency still in use. An Illinois listener heard the now-familiar eight-note tuning signal -- the opening bars of the Basque anthem -- and the Euzkera and Spanish identification, "Enmen Euzkadi Irratia...Aquí Radio Euzkadi, la Voz de la Resistencia Vasca". In January, 1966, 11290 kHz was also in use, but by midyear it was shifted to 15080v kHz.

Radio Euzkadi's location has been particularly puzzling. QSL cards show an antenna, backgrounded by snowcapped mountains, implying a secret transmitter high in the Pyrennes. The Basques would have listeners believe it is a mobile operation slipping around under the very noses of Spain's Guardia Civil police.

In reality, however, Radio Euzkadi broadcasts from a secret site in Venezuela, not far from Caracas. Direction-finding experiments by an official European agency, which cannot be identified publicly, and by an American expert in New Hampshire, indicated a location along the north coast of South America. The more precise location came from an off-hand remark by a Basque official during an unguarded moment.

The station must be at least tolerated by Venezuela, for it could have tracked down and silenced the clandestine transmitters in short order if it wished. Certainly the pressure to shut down Radio Euzkadi must have been intense immediately following the Elanco killing. The Spanish government, which also has direction finding gear, certainly is well aware of the location.

Venezuela, which has harbored clandestine broadcasters before, is a natural. There's a large and active group of Basque immigrants, more than 5,000, living in Caracas. They publish a regular newspaper, *Sabindara*. Activities focus on the magnificent Centro Vasco de Caracas, built in 1951, on Avenida Los Pifos in the El Paraiso section of the capital.

(CONTINUED ON PAGE BS-4)

NASWA SPECIAL!BAND SURVEYCLANDESTINE & REVOLUTIONARY STATIONS AUDIBLE IN NORTH AMERICA

by Larry Magne & Carol Feil

DXers know that the helpful frequency list found in the back of the WRTH of stations found while tuning around. Sometimes this is due to schedule changes many cases this is a result of its leaving out -- for obvious reasons -- illegal or quasi-legal broadcasters. This is no minor omission, as there are such stations or programs on the air right now, mainly on shortwave; the of Palestine" alone uses at least 15 channels daily, 9 of them on shortwave.

In order to rectify this, we have prepared a complete survey of all current clandestine and revolutionary radio activity. The survey is too lengthy for inclusion in FRENDX, so what follows are those stations and programs audible in North America, and when they are audible. As such, it will be a practical day-to-day aid in identifying heretofore unidentified shortwave signals. Further details can be found in past issues of FRENDX or the 7th Edition (no longer available) of How to Listen to the World.

The complete survey, offset-printed, double-spaced, is available free from Headquarters for a double-stamped SASE (U.S.), 2 IRCs (Canada), or 4 IRCs (airmail outside U.S./Canada). It is designed to compliment not only the WRTH, but also the NASWA band surveys now available.

Source articles, with full details, are indicated for each frequency as follows: HTL = 7th Edition of How to Listen to the World; CB 11/73 = Clandestine Bulletin, FRENDX, November, 1973, issue. Back issues of FRENDX are often available from Headquarters for \$1 each.

Credits are found in the source articles. As we have made liberal use of BBC MS data, all of which is copyright, we can grant reprint rights to others only if they have secured prior written permission of the BBC MS (whose annual airmail fee, incidentally, has dropped to a very reasonable US\$30 or so per year). They can be reached at Caversham Park, Reading RG4 8TZ, England.

X = rarely heard in Eastern North America.

6240 = underlined frequency or time indicates often noted in Eastern North America.

B = "black" (fake) propaganda station; see CB 6/73, p.3, for explanation. All other stations are "white" propaganda stations or programs.

J = jammed; stations so designated are known to be deliberately interfered with, although channels not so designated may be weakly or intermittently jammed.

v = varying frequency or time; varying frequency being defined as shifting at least 1 kHz.

<u>kHz</u>	<u>kw</u>	<u>Station/Program/Location</u>	<u>When Audible/References</u>
<u>X</u> 4120v		VotRevolutionary Party for Re-unification, N Korea	1000-1430, CB 1/73, 2/73, 12/73
<u>X</u> 4250v		RotPatriotic Neutralist Forces, Hanoi	Sked 1100-1200, 1300-1400, as yet unreported in NA, CB 12/73
<u>X</u> 4538		R Pathet Lao, Hanoi	1155-1458, CB 2/73, 12/73
<u>X</u> 4560v		VotRevolutionary Party for Re-unification, N. Korea	1000-1430, CB 1/73, 2/73, 12/73
<u>X</u> 4660v		R Pathet Lao, Hanoi	0855-1600, audible WCNA, CB 2/73, 12/73
<u>X</u> 4675		VotNational United Front of Kampuchea, Hanoi	1100-1200, 1300-1400, CB 2/73, 3/73
4845 30		R Liberation, Nouakchott	2130- Monday, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
4890 25		R Liberation, Dakar	2100-2115 T/T/Sa, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
<u>J</u> 4897v 4		R Liberation, R. Conakry	Nominally 4910, 2300-2330 M/W/F/Su, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
<u>XB</u> 15012 $\frac{1}{2}$		R Khana Pathet Lao, QTH unknown	Black propaganda station? 1100-1130, 1300-1330 WCNA, CB 12/73
<u>X</u> 5111v		VotBurmese People, Yunnan Province, China	1200-1300, HTL, CB 12/73
<u>X</u> 5345		VoFree Yemeni South, QTH unknown (San'a?)	1630-2000, up to 2100 during Ramadan, CB 12/73
<u>X</u> 5915v		Our Radio, Schwerin, E Germany	2000-2100, CB 9/73, 11/73, 1/74
6034v		VotThai People, Kunming, Yunnan Province, China	2300-2345v, 1000-1045v, 1100-1145v (T/T/Sa), 1200-1245v, 1300-1345v, HTL, CB 7/73
6145100		VoPalestine, Algiers	1830-1930, audible winter, fq changes often, CB 2/73, 5/73, 6/73, 11/73
6200v		R Pathet Lao, Hanoi	0855-1600, CB 2/73, 12/73

kHz	kw	Station/Program/Location	When Audible/References
6200		Our Radio, Bucharest	2005-2020, 2120-2155, CB 9/73, 11/73, 1/74
6235		Unidentified E African (cland?)	0300-0330 w/drums, YL in vernacular
<u>J6240</u>	2.4	R Liberation, Conakry	0700v-0900, 2000v-2300, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
<u>XJ6273v</u>		RotPatriotic Neutralist Forces, Hanoi	1100-1200, 1300-1400, possibly audible WCNA, CB 12/73
<u>XB76320</u>		R Liberate the Southern Part, Vietnam	Black propaganda? Reported station title notwithstanding, IDs "Day la dai Phat Thanh Giai-Phong", the Vietcong's "Liberation Radio" HS ID, and uses same IS; yet is a different station. Noted in Japan 1300-1320 & 1330-1350 under Peking, altho presumably is on at other times with 20' programs. Peking here 1300-1355, 1400-1427, 1430-1455, 1500-1555. Should be audible WCNA if separable from Peking and ECNA if on earlier, when propagation better and Peking is off. Reference: Isao Ugusa/DSWCI. 1230-1330, CB 12/73
<u>XB6348v</u>		VoHope, Seoul	to 2000 s/off, CB 1/73, 2/73, 4/73
<u>XJ6350v</u>		R Free Russia, Bavaria	Still active? 2300-2330 M/W/F/Su, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
6392		R Liberation, R Conakry (irr)	
7010v		VotNational United Front of Kampuchea, Stung Treng/Kratie, Cambodia	1100-1200, 1300-1400, CB 2/73, 3/73
7045		R Pathet Lao, Hanoi	1155-1458, CB 2/73, 12/73
7085		Mother of Vietnam, S Vietnam	Checks with official Saigon source suggests this is quasi-clandestine, beamed to N Vietnam. Noted ECNA 1030, sked may be 0930-1800 //9810. May also use 9715; formerly used 7460v & 11655. 2300-2330 M/W/F/Su, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
<u>J7125v</u>	18	R Liberation, R Conakry	0830-0836, 0930-0936, see 7185v; active? HTL 2100-2115 T/T/Sa, CB 2/73, 3/73, 4/73, 5/73, 7/73, 12/73
<u>JB7165v</u>		Sparks, Asian RSFSR	
<u>X7170</u>	25	R Liberation, Dakar	
<u>JB7180v</u>		Red Army Radio Station, Asian RSFSR	Still active? 1345/1400/1415/1430/1445 WCNA here or on 7285v, 7310v, or 9537v
<u>JB7185v</u>		Sparks, Asian RSFSR	Still active? 1000/1100/1230/1330/1345/1415/1430/1500/1517/1600 (6' ea), see 7165v, HTL
<u>X7200v</u>		Non-identifying anti-Iranian clandestine, Baghdad	Successor to "VotUnited Front of the Peoples of Iran", but gives no ID; noted 1400-1545 in Manitoba on 7199.8, CB 9/73, 12/73
<u>B7216</u>		VotPatriotic Militiamen's Front, northern South Vietnam	Off since 6/73, but reactivated 12/73, new sked roughly 0400-0500, 0900-0950, 1400-1500, HTL
7220		VoLiberty, Algiers	Still here? Fq changes often; sked 0015-0100 Su/T/T, HTL
<u>XB7245v</u>		Red Army Radio Station, Asian RSFSR	Still active? 1500-1508 WCNA, see 7180v
<u>JB7285v</u>		Red Army Radio Station, Asian RSFSR	Still active? As 7180v.
<u>J7305</u>	120	VoMalayan Revolution, Hengyang, Hunan Province, China	2200-2400, HTL, CB 2/73, 3/73, 7/73
<u>JB7310v</u>		Red Army Radio Station, Asian RSFSR	Still active? As 7180v.
<u>X7310</u>		R Pathet Lao, Hanoi	0855-1600, CB 2/73, 12/73
<u>7335.3</u>		VoTruth, Koenigswusterhausen, E. Germany	Hets CHU, 0430-0505, 0700-0725, 0920-0955, 1930-2000, 2030-2115, CB 1/73
<u>7416</u>		Liberation R, Hanoi	2200-2400, 0700-1700, CB 2/73, 3/73, 4/73, 5/73, 7/73
<u>X7470</u>		Liberation R, Hanoi	2300-2400, 1100-1500, CB 2/73, 3/73, 4/73, 5/73, 7/73
7480		R Pathet Lao, Hanoi	1000-1600 under Peking's Japanese Svc, CB 2/73, 12/73
<u>J7690v</u>		R Independent Spain, Bucharest	0600-0655, 1600-2313, CB 6/73, 1/74
<u>X 8333v</u>		R Free Portugal, Bucharest	2320-2350, often undermodulated, HTL
<u>8404</u>		VoFree Yemeni South, QTH unknown (San'a?)	to 2000 s/off (to 2100 Ramadan), CB 12/73
<u>XJ8600v</u>		RotPatriotic Neutralist Forces, Hanoi	1100-1200, 1300-1400, WCNA rarely, CB 12/73
<u>X8630</u>	10	Steadfast, Tripoli	Still active? 1830-1850, CB 3/73
<u>X8650v</u>		R Pathet Lao, Hanoi	1155-1458 WCNA rarely, should make ECNA good days at s/on, CB 2/73, 12/73
<u>X 9423</u>		VotThai People, Kunming, Yunnan Province, China	UTE QRM, 2300-2345v, 0000-0045v W/F/Su, 1000-1045v, 1100-1145v T/T/Sa, 1200-1245v, 1300-1345v, 1430-1515v, 1530-1615v, HTL, CB 7/73

kHz	kw	Station/Program/Location	When Audible/References
X 9450v		R Free Portugal, Bucharest	2320-2350, often undermodulated, HTL
X 9500v		Our Radio, Schwerin, E Germany	0600-0630 with het, CB 9/73, 11/73, 1/74
X JB9537v		Red Army Radio Station, Asian RSPSR	Still active? As 7180v.
X 9560 50		R Courier of Iran, Sofia	1430-1620, CB 9/73, 11/73
X 9560		VotPeople from the Heart of the Arabian Peninsula, Baghdad	1800-1900, CB 12/73
X 9573v		VotPeople from the Heart of the Arabian Peninsula, Baghdad	1200-1300, 1800-1900, CB 12/73
X 9580 120		VoFighting Angola, Lusaka	1830-1930, CB 5/73, unconfirmed report has
X 9580 120		Namibia Hour, Lusaka	2030-2130, CB 5/73 Lusaka on 9505 //4911.
X 9580 120		R Freedom, VotANC, Lusaka	1930-2030, CB 5/73
X 9580 120		Zimbabwe Hour - ZANU, Lusaka	1715-1800 & 1815-1830 (both T/T/S/S), CB 5/73
X 9580 120		Zimbabwe Hour - ZAPU, Lusaka	1715-1800 & 1815-1830 (both M/W/F), CB 5/73
X 9585v		Our Radio, Bucharest	0600-0650, 1640-1710, 1740-1805, 1910-1925, CB 9/73, 11/73, 1/74
JB9600		Sparks, Asian RSPSR	Still active? 0900-0906, 0945-0951, HTL
9610v 120		VoPalestine, Algiers	1830-1930, CB 2/73, 5/73, 6/73, 11/73
9648v 100		R Liberation, R Conakry	2300-2330 M/W/F/Su, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
X JB9675v		Red Army Radio Station, Asian RSPSR	1645-1653 WCNA, also see 7180v, still active?
9685 50		VoPalestine, Algiers	1830-1930, CB 2/73, 5/73, 6/73, 11/73
9715 50		VoFighting Angola, Brazzaville	1800-1820, not daily, CB 5/73
9755 100		VoPalestine, Cairo	1730-1930 before latest Cairo-Jerusalem accords, CB 2/73, 5/73, 7/73, 11/73
X 9770 10		VoFree Angola, Kinshasa (irr)	1800-1830 M/F, CB 5/73, 6/73
X 9775.6		VoTruth, Koenigswusterhausen, E Germany	0510-0545, 0730-0755, 1000-1040, 1205-1245, 1710-1735, 1830-1900, CB 1/73
X 9810		Mother of Vietnam, S Vietnam	Reported 0855 //7085. Sked may be 0930-1800. See 7085 for details; despite an SCDX report to the contrary, it is not //655/677 "Voice of Freedom", Hue, according to Tokyo DXer Lars Ryden.
9988v		VotNational United Front of Kampuchea, Hanoi	0000-0200, 0400-0500, 1100-1200, 1300-1400, CB 2/73, 3/73
10010v 10		Liberation R, Hanoi	0400-0500, 1100-1500, 1900-2045 (2/16-3/15, 10/15-11/30, 12/16-1/15), CB 2/73, 3/73, 4/73, 5/73, 7/73
10079v		VotNational United Front of Kampuchea, Stung Treng/Kratie, Cambodia	0000-0200, 0400-0500, 1100-1200, 1300-1400, CB 2/73, 3/73
J10110v		R Independent Spain, Bucharest	0600-0655, 1300-1415, 1600-2313, UTE QRM, CB 6/73, 1/74
10224v		Liberation R, Hanoi	2200-2400 (0230 Su), 0300-0600, 0700-0855, 0900-1700, CB 2/73, 3/73, 4/73, 5/73, 7/73
J11400v		R Free Russia, Bavaria	1300-2000, rarely noted around s/off, CB 1/73, 2/73, 4/73
11415 50		Radio Courier of Iran, site unknown (USSR?)	1430-1810, weak but audible sometimes, CB 9/73, 11/73
X 11509v		R Free Portugal, Bucharest	1800-1955, 2320-2350, often undermodulated, HTL
11695 100		Radio Courier of Iran, Sofia	1430-1810, CB 9/73, 11/73
11715 100		VoLiberty, Algiers	Still here? Fq changes often. Sked 0015-0100 Su/T/T, HTL
X 11770 100		VotRevolution, VotPopular Front for the Liberation of Oman & the Arab Gulf, San'a	1615-1645, not yet logged in NA
11795 100		Steadfast, Tripoli	Still active? 1830-1850, CB 3/73
X 11795 10		VoFree Angola, Kinshasa	1800-1830 M/F, CB 5/73, 6/73
X 11810v 120		VoPalestine, Algiers	1830-1930, CB 2/73, 5/73, 6/73, 11/73
X 11830v 120		VoMalayan Revolution, Hengyang, Hunan Province, China	0430-0630, 1030-1230, 1245-1445, HTL, CB 2/73, 3/73, 7/73
11835 50		VoLiberty, Algiers	Still here? Fq changes often. Sked 0015-0100 Su/T/T, HTL
11865v 100		VoFree Angola, Lubumbashi	Time unknown, but likely between 1800-2000 M-Sa, ought to be an easy catch, CB 5/73, 6/73
11910 50		VoLiberty, Algiers	Still here? Fq changes often. Sked 0015-0100 Su/T/T, HTL
11965 100		R Liberation, R. Conakry	2300-2330 M/W/F/Su, CB 2/73, 3/73, 4/73, 5/73, 6/73, 12/73
X 11965 120		VoPalestine, Algiers	1830-1930, CB 2/73, 5/73, 6/73, 11/73
X 12005v		R Free Portugal, Bucharest	0700-0730, 1200-1230 (Su), 2320-2350, often

kHz	kw	Station/Program/Location	When Audible/References
X12006		VotNational United Front of Kam-puchea, Stung Treng/Kratie, Cambodia	undermodulated, HTL 0000-0200, 0400-0500, 1100-1200, 1300-1400, CB 2/73, 3/73
J12080v	20	R Euzkadi, Caracas	Nominally 80 kw, 1828-1900, 1928-2000, 2028-2100 (formerly noted 2128/2228), CB 3/73, 4/73, 2/74
12115v		Liberation R, Hanoi	1900-2045 1/16-1130, CB 2/73, 3/73, 4/73, 5/73, 7/73
X J12140v		R Independent Spain, Bucharest	0600-0655, 1600-2313, CB 6/73, 1/74
J13250v	20	R Euzkadi, Caracas	Nominally 80 kw, varies 13200-13300 kHz, 1828-1900, 1928-2000, 2028-2100 (formerly noted 2128/2228), CB 3/73, 4/73, 2/74
14440v		R Free Portugal, Bucharest	0700-0730, 1200-1230 Su, often undermodulated, HTL
J14482v		R Independent Spain, Bucharest	0600-0655, 1300-1415, 1600-2313, CB 6/73, 1/74
14955v		R Free Portugal, Bucharest	0700-0730, 1200-1230 Su, often undermodulated, HTL
14990v		Liberation R, Hanoi	1900-2045 1/16-11/5, 12/1-12/15, CB 2/73, 3/73, 4/73, 5/73, 7/73
X J15185	50	R Independent Spain, Sofia	2005-2025 Tu-Sa, CB 6/73, 1/74
15190	50	VoFighting Angola, Brazzaville	1800-1820, not daily, CB 5/73
15245	100	VoFree Angola, Kinshasa	1800-1830 M/F, CB 5/73, 6/73
XJ15275	1	R Liberation, Conakry	0800-0900, 1330-1500, 2000v-2300, noted sometimes in Canada and elsewhere, CB 3/73, 5/73, 6/73, 12/73
X J15365	50	R Independent Spain, Sofia	1235-1255 Tu-Sa, CB 6/73, 1/74
15435	50	Mozambique Hour, Dar es Salaam	1830-1915, CB 5/73, 1/74
15435	50	PAC Programme, Dar es Salaam	1915-1930 Su/Th/Sa, CB 5/73, 1/74
15435	50	Namibia Hour, Dar es Salaam	1915-1930 M/W/F, 1945-2000 T/T/Sa, CB 5/73
15435	50	South Africa Hour, Dar es Salaam	1945-2000 Su/M/W/F, CB 5/73
15435	50	Molinaco Programme, Dar es Salaam	1815-1830, CB 5/73
J15435	50	Zimbabwe Hour - ZANU, Dar es Salaam	1930-1945 M/W/F, CB 5/73
J15435	50	Zimbabwe Hour - ZAPU, Dar es Salaam	1930-1945 T/T/Sa, CB 5/73
J15435	50	Zimbabwe Hour - Joint ZANU/ZAPU Programme, Dar es Salaam	1930-1945 Su, CB 5/73
X 15482v		R Free Portugal, Bucharest	0700-0730, 1200-1230 Su, 1800-1955, alternates irregularly with 15532v, often undermodulated, HTL
J15507v		R Independent Spain, Bucharest	1300-1415, CB 6/73, 1/74
X J15782v	120	VoMalayan Revolution, Hengyang, Hunan Province, China	0430-0630, 1030-1230, 1235-1445, 2200-2400, HTL, CB 2/73, 3/73, 7/73

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"Radio Euzkadi":

(CONTINUED FROM PAGE CB-3)

Some SWLs think Euzkadi is a Red clandestine, like the Soviet-backed Radio Espana Indipendente. But most Basques, devout Roman Catholics, are staunchly anti-communist.

"Radio Euzkadi does not harm any true democrat," a Basque spokesman averred.

Other listeners suspect it is linked to the CIA, as allegedly was the secret Radio Libertad several years ago. But there is no evidence to support either theory.

If the Basques are going it alone, financially, how do they do it? Equipping and operating a station takes money. A clue to this mystery is suggested by an incident that began in Manhattan on the night of March 12, 1956.

The chief character was Dr. Jesus de Galindez, a 42-year-old professor of Hispanic-American civilization at Columbia University. He also happened to be the Basque exiled government's chief fund raiser in the U.S.

Shortly before 10 o'clock that night, a student gave the professor a ride to the subway station as 57th Street and 7th Avenue. Galindez walked down the steps to the platform and disappeared forever.

There had been another side to Galindez's life. Also a Basque exile, he fled Spain and found his way to the Dominican Republic, where he took a job with the dictatorship of the late Rafael Leinidas Trujillo. As time passed he became increasingly shocked by the Caribbean strongman's terror tactics. So, in 1946, he left for New York, where he landed a teaching position at Columbia. He struck up a friendship with another instructor, Basque President Aguirre. When Aguirre returned to Paris, he named Galindez the official Basque representative in the U.S.

Galindez also continued his fight against the oppressive Dominican regime. He had completed a 750-page manuscript detailing the dictator's years in power. Its pending publication irked Trujillo, who then was trying to lure American tourists to his shores. But rumors that it would contain personal slurs on his manly honor were too much for the fiery Dominican to endure. PART TWO OF THE RADIO EUZKADI EXPOSE IN MARCH'S CB11

FLASHSHEET

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AL NIBLACK, Editor, 420 Shelby St., Vincennes, Ind., 47591 DEADLINES 15th & 26th Month* (Please observe footnote explanation at end of Flashsheet, effective March 1974)

ALBANIA 6005V, R. Tirana on new fgy, 1730 Hung., 1800 GG, fair lvl. (Ernie Behr, Canada)
ALGERIA 21715 RTVA on new fgy, 1630 FF talk and music, //17825. (Ernie Behr)
ARGENTINA 5965 R. Splendid in SS at 0955, many IDs, talks and music. (Bob Zilmer, Ind.)
ASCENSION IS BBC Relay, 15400, at 1315, world news read by man, an ID. (Joe Helm, Ind.)
AUSTRALIA National Radio of Papua/NG, now on 11885, from 0600-1000, Brisbane, with 10kW;
 BEC News 0800; in parallel with 9755. (August Balbi, Calif.)
BELGIUM Letter from RTP says are now using 6055; also using 11855, instead of 11810; sked is 2235 to 0100; EE at 2255-2315, and 0040-0100. (Bob Zilmer)
BRAZIL 4832 R. Dif. Roraima, 0230 music, PP annnc and ID, to 0300*...15135 In spite of Jack Perolo's explanation in previous FS, there are still two separate stations on this fgy, I suggest; R. Soc. da Bahia and R. Record; both were heard mixing at 2145 until Bahia S/off at 2150, leaving R. Record in the clear. (Ernie Behr, credit for both items)
BHUTAN Radio N.Y.A.E., Thimtu, becasts in EE, Bhutanese, and Nepali, on Sunds only, 0730-0930, on 7050. This is the first radio station in Bhutan. Noted excellent lvl. (Contributed by a W. Bengal, India listener to SWDXKERS)...This sensational item confirmed: the station belongs to the National Youth Assc of Bhutan informs a Bihar, India, listener. (SWDXKERS)
CANADA 6085 EC noted 0100-0155 with their Christmas Show. (William Higham, Ohio)...6175 RC1 at 2300 with continous music, explained that with communication breakdown with Montreal, that prgm was being implemented from Sackville site. (Bob Zilmer)...9545 New DW Relay via Sackville (tent), *2140-2255*, PP prgm, //11795; no xmtr IDs annnc. (Ernie Behr)...CBC re-laying DW to Latin America 2300-0030, on 11795, strong signal lvl. (August Balbi)
CHAD 4904.5 Rdiff Nac Tchadienne, 2155 Afro music, FF DJ, more music, 2200 FF ID, good lvl, 1/19, must have gone to higher power. (Doug Burlew, Pa.)
CHILE 6195 L. Voz de Chile, Santiago, at 1000 in SS, many IDs, talks and music; must be a move from 6150. Poor to fair lvl, an exact ID heard, 1/22...9590 R. Presidente finally heard again at 1145, 1/20, in SS, though a weak signal. (Both to Bob Zilmer)...15150 This one now IDs as, "Voz de Chile", 0137-0200, noted 1/20, no mention of R. Corporation. Some music, all SS, frequent mention of, "Allende". (Hadley Cress, Va.)
CHINA 6975 Huehot (Inner Mongolia) noted 2312 in lingo similar to CC. (Ed Shaw, Va.)...4905 RP in CC discussion, M and W, 2150-2151, then martial music to 2159, pips, ID in CC. (Doug Burlew)...6290 R. Peking at 1200, with EE and commentary. I suggest this is not No. Korea as reported by another reporter in January FRENEX. (Bob Zilmer) (I suggest that Pyongyang, No. Korea, can be found about 3 kes lower, has been for a number of months, Editor)...6290 1225-1245, Peking, P.R., noted with EE and good sigs 1/12, 1230 and ID and musical prgm. (Grady Ferguson, S.C.)
COLOMBIA (FLASH) 6170 NEW La Voz de la Selva, 0130 music, many IDs and NA to 0200 S/off, good lvl. (Ernie Behr)...4755 Been listening 0550-0630, seems that ID was, "La Reina de Colombia", copy was rough due QRM. Can any one confirm? (S.W. Eichenhorn, Mich.)
COSTA RICA 6175 Faro del Caribe in EE religious prgm, 0300, usually //9645. (Bob Zilmer)
ECUADOR 5061V R. Progreso, Loja, on new fgy, 0215 native music, SS ID to varying S/off 0332* to 0504*, since 1/6. (Ernie Behr)...5018A R. Centinela del Sur, heard at 0000 music, ID, Tcs, fair signals, 1/17. (Bob Zilmer)
ENGLAND 6252A BBC at 2300 with world news, ID, and prgm, same as other BBC transmissions at this time. It may be a harmonic, but of what, not a Pirate as I earlier thought. (Bob EHIHOPLA BTLF, RVOC, on 11710, ID in FF; also 9645, 2205 in lingo. (August Balbi) / Zilmer)
ETHIOPIA 15155 ORTF in EE, 1530, also // of 15295, 17720, lasts 10-15 minutes. (Bob Zilmer)
GREECE 7295 NHII, Athens, with flute IS, S/on 2000. followed by GG, good lvl. (Ed Shaw)
GREENLAND Godthab confirmed my reception report with QSL in EE, info on Greenland, via surface mail. Follows their listed boating sked, in Greenlandic and Danish: 3999 and 9575, 1000-1200 GMT; 1900-0300. 5960 and 11745, 1200-1900. 5980, 1000-0300. (Victor Jaar, Canada)
INDONESIA 5852 RRI, Pakenbaru, Sumatra, 1155, 1200 IS, followed by RRI news, gud lvl. (Ed IRAQ 7178.5 R. Baghdad, 1915 RR prgm and music till 1953 S/off. (Ernie Behr) // Shaw)
ISRAEL 6205 IBA, 2000-2043* EE prgm, //7095, 9009, 9785; 9540, IBA, 1645 Persian, //9495, 9785, 10248. (Ernie Behr)...15100 IBA at *1358 with IS, 1400 opening, then noted with deliberate jamming. (Bob Zilmer)
JAPAN 6155 FEN, Tokyo, 1700 EE news and music, 1800 ID, good lvl. (Ernie Behr)...11725 NHK 0000-0025, now heard to EGNA, 2345-0045, in parallel with 15445. (Grady Ferguson)...Heard on 15445, 0000-0030, 1/15, with news, comments, at fair reception lvl. (Joe Helm)
JORDAN 9560 R. Jordan, *1558 IS, EE prgm and music till 1730*, vy strong lvl 12/27, annnc as for Europe and No. America. (Ernie Behr)
LEBANON Conky Webb, Tex., has coaxed a QSL from Beirut, had to send a follow-up; through Minister of Tourism; card signed by Director of Station Kazen Hage Ali, via registered mail. This after nearly two years of effort! (They don't QSL for the Yanks easily, Editor)
MALDIVES (TENT) 7225 Possibly R. Maldives at 0415, in darkness pattern at this hour; wind instrumentals, music, and chants, flutter, OM annnc, via long path. (Ed Shaw) (I suggest there is a strong possibility this is All India Radio in their Nepali Svc, Editor) (Ed, I would be pleased to have your further comments on this, Editor)

(continued)

MAIDIVEES (CONTINUED) (FLASH) Michalenka and Lohe have done it again! A special 10th anniversary test transmission tape has been arranged for NASWA to be aired by Radio Maldives on 12th March, 1974, on 4740, at 1100 and 1215. Well done! (Ed Shaw)

MALI (TENT) 11960 1730 Afro music, to 1758*V. On Snds with FF sports to 1805*. No definite ID heard, but many mentions of Mali. Not Algeria as earlier reported. (Ernie Behr)

MADAGASCAR RN Relay, 9715, in AA, 1830. 17830 S/on at 1950; on 15110/15220, FF at 2000. (August Balbi)

MALAYSIA 9665 Kuala Lumpur in EE news at 1430, a new time. (August Balbi)

MAURITANIA 4850 Nouakchott, AA chants and talk, anthem 2307*. (Steve Wallace, Penn.)...4845 Nouakchott at 2143 tune in, seemingly a shift from 4850, in AA and music. (Ed Shaw)

MHACCO TWR, Monax, on new 7105 EE ID, 0730, v/ strong lvl. On 9525 on Snds, at 0900, in EE religious prgm. (August Balbi)

MEXICO (TENT) Station heard 1/1/74, from 0730 tuning, playing lively LA music, mentions of Mexico, on 4822, seemingly ID of, "R. Cultura". Not heard since. (Barry Wasyluk, Canada)

NIGERIA 6195 NBC, Sokoto, 2215, chants, indigenous music. (Ed Shaw)...NBC, Ikorodu, is now using 100 kW at 0600 in EE on 15120; and 15185. (Tom Force, N.Y.)

NETH ANTIILLES Momaire Relay of RN, 0200-0320, in EE. (William Higham) (11730) ...TWR, 11815 At 1130 with religious prgm, an ID, reception good. (Joe Helm)

PERU 4815 R. Samaren, Iquitos, to 0452*, is correct ID as reported by Jan Tuner. (Ernie Behr) ... (FLASH) 4860.5 Another new Peruvian, 0530 Andean music, SS IDs, any one identify? (Ernie ...4839 R. Andahuaylas, music, SS ID, to 0405 S/off. (Ernie Behr)...4895.5 Radio / Behr) Chanchamayo, 0500 SS ads and Andean music. past 0530. (Ernie Behr)

PHILIPPINES 6120 FEBC, Manila, *1635, 1700 RR, 1715 GG, religious prgm, 1729*, new svco? (Ernie)

PORTUGAL (TENT) 6153.8 R. Renascenca, 2010, good PP, classical vocals. (Ed Shaw) / Behr)

RHODESIA (FLASH) In re your comments in Mid-Month FS referring to BBC occupying 11750, the BBC does operate here. However, I have clearly heard an ID, "This is Radio Rhodesia broadcasting from Salisbury". Maybe some one else can confirm. (Tom Force) (Fine, that's the way we like reports, either with definite IDs heard, or other necessary details submitted, Editor)

SAUDI ARABIA 11735 Strong in AA at 1530. (August Balbi)...6080 Riyadh on new freq, 1800 AA news and ID, 1830 QRM de VOA. (Ernie Behr)

SOMALI REP 6095 R. Mogadishu with steel drums IS, singing, much QRM, 0315, a little later a clear ID in language. Lists as 6079, in WRTH. (S.W. Eichenhorn)

SENEGAL 11895 Dakar at 1800 in FF, 1840-1855 in EE, at nice rocking chair lvl. (August Balbi) ...4890 Dakar with FF talks at 2150. (Steve Wallace)

KOREA (S) R. Korea, 9640, at 2100 with EE news and commentary, fair enough lvl. (Bob Zillmer)

SRI LANKA 11800 Colombo, 1545-1559, native music, only fair lvl. (Grady Ferguson)

SO. AFRICA 4790 SABC, 2050, light music, EE ads, easy listening. (Steve Wallace)... 4790 Springbok, 0200-0445, with IDs, strictly commerical ads, some afrikaans, good lvl. (Hadley)

TAHITI 15170 Papeete, 1746-1754, with EE news and sports, then lingo. (Bob Zillmer) / Cress)

TURKEY (TENT) 6965 Bandirma Meteorology 2130, and 0630, M and W, weak chants. (Ed Shaw)

TURK IS 4788 2120-2155, Grand Turk VS18 noted here with v/ good sigs most afternoons, squeezed by Springbok on one side, by SS speakers the other, makes careful tuning mandatory! (Grady)

TUNISIA 7220 At 0500 an ID, "Jumhuriyah Tunisia", AA chants. (Ed Shaw) / Ferguson)

UGANDA (TENT) 5026 Possibly RU, 2010 carrier noted, fade-in 2050, with Afr chorus music ending 2010, then talk by man in EE, to 2105*, 1/20. (Doug Burlew)

USSR Karelian SSR 4780//5065 Petrozavodsk noted 1400 with, "Radio St. Yumost" prgm, via Arctic night path; also //5015 Arkhangelsk. (Ernie Behr) (Ernie, I like the way you read the Russians, Editor)

VENEZUELA 6179 R. Turismo, 0130 music, many SS IDs till 0203 abrupt S/off. (Ernie Behr)... 6160 R. Canaima in SS at 1030, lots of IDs, ads, jingles, and music. (Bob Zillmer)...4930 La Voz de la Fe, 1/21, from 0303 tuning (as soon as R. Mil leaves), with LA and pops. A hymn with closing at 0400. Strong signal. (John Tuchscherer, Wisc.)

VIETNAM (N) 10040 VOV at 1300 with EE news, fair signal. (Bob Zillmer)...15012 Hanoi at 1310, 1/15 with news, lotsa propaganda, an ID at 1330. (Joe Helm)

WINDWARD IS Grenada, 5015, 2300-2341, news till 2315, followed by ID. (Hadley Cress)

ZAMBIA 9580 ZBS at 2015 in EE, good lvl; also think Radio Bangladesh on this freq at like time providing QRM, as mentioned as unidentified by many; annor is heard in EE at regular intervals with, "This is the will of God", and, continous drum beats. (Ed Shaw)

CLANDESTINE 6034.7 V. of Thai People, 3400 ID; 9560V, R. Peyk-e-Iran, 1500 Azerb., 1530 ID; 9585, R. Libertacao, 2145 African speech, //6240 much stronger. (Credit all to Ernie Behr)

UNIDENTIFIED 5995 AFRS station, 1630 EE prgm, AFRS IDs, news past 1730, fair 1/16. Must be European xmtr, but what's the site? (Ernie Behr)

DECEMBER 1973: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 1-8-74- 1-46, 2-20, 3-24, 4-0, 5-0, 6-0, 7-0, 8-7, 9-8, 10-16, 11-9, 12-9, 13-8, 14-8, 15-17, 18-26, 17-40, 18-47, 19-41, 20-49, 21-52, 22-52, 23-52, 24-52, 25-60, 26-68, 27-26, 28-14, 29-0, 30-0, 31-0 MEAN-24.2 PREDICTED: JAN-26 FEB-25 MAR-24 APR-23 MAY-22 JUNE-21 (Grady Ferguson)

LAST MINUTE ITEM: RN provides a DX Information Svc to anyone interested, for just an international airmail stamp (no IRCs). After you receive one data sheet you answer 4 questions on the contents and send to Radio Nederland. They in turn, forward the next sheet. QTH is: Radio Nederland English Section, P.O. Box 222, Hilversum, Holland. (Tom Force)

ACKNOWLEDGEMENT: Thanks for the splendid support for this effort of the FS. Please keep the reports coming... *Effective with March, the deadlines for the Flashsheet will be the 10th and the 20th of each month. Please take note and submit material accordingly. Repeat, March 10th and 20th are the new deadlines. This change has been effected to assist Prexy Dan Ferguson in preparing and getting mailings out on time. Thank you. Last minute FLASH calls to 812-882-3976, before 2000 GMT (CUT), please. To all,

RANDOM NOTES

Please do not place further orders for the 1974 WRTH thru HDQ. We can no longer accept them. The WRTH is available from Gilfer Associates, P.O. Box 239, Park Ridge, NJ 07656.

Reprints & other special publications ordered from Ed Shaw were (depending on the time the order arrived) delayed temporarily when all such materials were transferred back to HDQ, at the time Ed took over the Shortwave center. As far as we know at this time all such orders have now been filled. If you have ordered something and have not received it, write HDQ, not Ed. Send Ed material for the Shortwave Center.... A further note on the handling of orders for reprints, etc: Such orders are delayed usually until the weekend, though not always. At "FRENDX-put-together-time" there is usually also a delay. We are currently up on such orders, and the only delays are those mentioned here.

Work has already begun on the retyping of the reprints that will appear in a new book to be issued by NASWA. This project was mentioned previously some months ago, but it seemed for a while that we would not be able to carry through with it. Arrangements have been made, however, and the project is very much alive. The book will contain useful material for both the newcomer, and the veteran. It will be issued in such a fashion that one will be able to insert additional pages which we expect to issue. If you are interested in writing some material for the book, contact Dan Ferguson immediately. And if you are not interested, why not get interested? Your support is needed in carrying this project to completion!

I have not had much success in finding a ham or SW dealer in the Detroit area. I wonder if anyone could help? (Richard Dluski, 18027 Middlebelt, Romulus, Mich 48174.)

WANTED: SX190 receiver in good condition. [Elton Hewitt, 151 Maplewood, Pocatello, Idaho, Zip code 83201.

FOR SALE: Electronics books, magazines, parts. Greg Kelley, 108 Archer Street, Staunton, Virginia, 24401; write for list.

NASWA CONVENTION There are tentative plans for a NASWA meeting in Columbus, Ohio, this summer. Possibly in June, though that is not definite - it could be later. More on this next month!!!

In response to a question as to when FRENDX is mailed.... The first batch go to the editors. Usually a large number of others go with this first group, too. ALL COPIES GO OUT OVER A MAXIMUM 4 day period. USUALLY it is less than 4 days. Often they all go out the same day.... We have worked out some slight changes in the deadlines for copy to be at HDQ from the editors. It is expected that, as soon as the changed system is operating smoothly, we will be able to have FRENDX in the mail by no later than the 2nd or 3rd of the month, and we are shooting for the first!

SOUTHERN CALIFORNIA AREA DXERS MEETING AGAIN There will be another SCADS meeting on February 16 & 17, 1974, from 9:00 AM both days, at the Bel Air Motor Hotel, 140 West First Street, Tustin, CA 92680. Room # 42. Registration Fee \$3, covers cost of refreshments, prizes, etc. Fee may be paid in advance or at the door. Hosted by Stewart MacKenzie and Don Johnson. All are welcome!! (SCADS is an informal meeting that seems to wander over So. Cal., hi!) There will be talks, gear on display, a sale of misc gear, w/proceeds going to HAP.... Write Don Johnson, P.O. Box E, Elsinore, CA 92330. Last SCADS meeting had 50 people there. Make it a point to attend.

THE LOG REPORT

LOG REPORT All reports for the LOG REPORT should be sent to NASWA LOG REPORT, P.O. BOX 1132, RICHMOND, INDIANA, 47374 That's M.R. Leonhardt's address.

LOG REPORT PLEASE observe the 12th of the month deadline. Thank you.

LOG REPORT When reporting, use only one side of the paper, list items in order by frequency, leave plenty of space between each item. Identify each item by your last name (or initial & last name).

LOG REPORT

LR sections "A" and "B" have not arrived as of the 30th of January. We know they were being typed, since we received a phone call several days ago relative to one of the sections. Presumably they were mailed, and have gone into postal limbo. In any case, 5 days past the deadline we are going ahead with the final work on FRENDX. If these sections arrive tomorrow we will attempt to retype the best data from them & include it in this month's FRENDX. (Had they arrived on time the special BANDSURVEY following the CB section would have been offered as a special item from HDQ.... Dan Ferguson

- 6200 ALBANIA, R. Tirana. 0215-0330 EE nx, cmntry, etc. (T. Smith, Buehler, Ross, Coursey, Custodio)
- 6200 VATICAN, Vatican Radio. *2300 PP to Brazil. Out of band channel, and unusually late reception for this area this time of year. (Padula-Australia)
- 6205nf ISRAEL, IBA, Jerusalem. Ex 6210, 45 kw since 12/25 noted from *1930 to 0530* w/poor to good signals, remarkable for only 45kw. Moved to avoid RNL. 6205 clear but for Sofia 2025-2045 weekdays and 2005-2045 Sun //7095nf, 9495nf. Carries new relay of Hebrew HS 2300-2350 beamed mainly to ECNA (Magne); 0500 EE, 0515 FF w/mx to 0530* (Behr)
- 6210 INT'L WATERS, RNL. 0700 rock mx, DD DJ, ads (Burlew 12/26); 2300 EE pops, "T" shirt offer. Good. (Yamron)
- 6210 CHINA, R. Peking. 2250 CC vocals //7350, 6290. Poor. (Burlew)
- 6210a UNID. Possible 5th harmonic of R. Tropical, LV de la Libertad, Puerto Plata, Dom. Rep. Heard well here (Nova Scotia) late afternoon lci to past 0445 GMT and unusually strong for a harmonic. Apparently operating a few khz above announced freq 1240, the fundamental, as the 5th harmonic is 1240. During 3 hr period, R. Tropical was only name given (not listed WRTH), and no mention of country was made, so ident could be difficult. R. Tropical could be a new name (Valdés)
- 6218v DOMINICAN REP., LV de la Libertad, Puerto Plata. 2316 t/i to 0416 t/o. LA mx, many ID's as "LV de la Libertad", "Broadcasting Tropical", "Radio 1234", mentions of "Republica Dominicana", and "Puerto Plata." Could be harmonic 5 x 1234, 5, but very strong S9. Noted 12/24 & 25 w/excellent signals (Burlew); 0200-0412 on 12/27, excellent signal w/cha-cha-cha mx, lively SS DJ, ID's, Coke ads. Off w/usual HI NA. Announces 1240, 3205 & 49 mb (Reeves); 2200-0415 IDing variously including "R. Coracon" & "R. de las Turistas, Dom. Rep." Ex 90 meters (3218). Irregularly noted since 12/25 fair 24432 LA mx, Coke ads. (Magne); 2150 t/i w/LA mx, 2201 OM ID "LV de la Libertad", nx 2209 w/TC's every min. Good. (Robinson); Sports broadcast. F w/high lvl QRN (Dexter)
- 6220 MONACO, TWR. 1645 into CS px 1700. Ex 6050? (Wooten-Morocco 11/24)
- 6235 UNID. Possibly hobby pirate. 0605 threshold lvl, weak OM 0630 t/o (Shaw 12/29)
- 6235nf UNID. Afr or Mid East station, although likely E. Afr, in Vern w/YL anncr from 0305-0330 f/o. YL talks 30 sec followed by 3 min tom-tom drums, repeated over and over. Perhaps an IS for a Clandestine stm, nothing listed remotely fits 23422 (Magne 1/7)
- 6240 UNID. Possible hobby pirate. 0505 weak OM talking at hot DJ pace, no mx heard. Could have been spirited political tik from Guinea. (Shaw 12/29)
- 6240 CLANDESTINE, R. Libertacao. 0815-0830* w/Afr vocals, PP ancmnts, ID. Excellent (Agner 12/20); 2245-2300* lci mx PP tik, anthem @ s/off (Brock, Mayer); 2135 PP tik by YL (Burlew 12/24).
- 6250 FERNANDO POO (Equatorial Guinea), R. Santa Isabel. 2135 SS ID superimposed over mx. Good. (Burlew 12/24); 0000 SS tik Afr mx 342 (Zilmer 12/25).
- 6250 CLANDESTINE, R. Libertacao. 0725 PP tik, quick ID's over weak jmr (Wallace)
- 6250 UNID. 0628-0650 Someone definately here again. Mx in the mud. Have reported this several times. Very Poor. (Perdue 12/15 & 19)
- 6255 AUSTRIA, Schulungssender. 1800-1900 GG w/light mx Mon thru Fri (Wootten)
- 6285 N. VIETNAM, VoV. 2145 EE talk. Poor. (Guarducci)
- 6290 CHINA, R. Peking. 1218-1240 EE nx, ID at 1224. Good. (Perdue 12/24)
- 6384 N. VIETNAM. Listed Tay Bac site presumed. F-G (Dexter 1/3) Time was 1309
- 6385t N. VIETNAM. Viet Bac. Fair lvl w/talks in Viet CW QRM (Jamison 1/6) 1150
- 6707t N. VIETNAM. Viet Bac. (Very tentative). 1204 only carrier noted at t/i, then faded in very slightly above noise lvl. Poor modulation. Only Viet Bac listed this freq. Seemingly not //6385 but difficult to determine... Help!!! Victor G., Bob Padula. (Jamison 1/6)
- 6790 CHINA. 1155 Many CC stations noted at good to excellent lvls during this time period. 6790 noted w/CC mx but not //6750 (Jamison 1/6)
- 6988 UNID. Possible Indonesian. 1100-1145 w/YL anncr and occasional OM with apparent nx. Oriental flute mx and vocals. OM & YL talk show 1130 then organ mx. (Shaw 12/29); 1100 Station thought to be Indonesian. Px w/YL and OM anncrs. Fair signal (Jamison 12/30)
- 6998 UNID. Seems oriental. 1445 SEA mx and lang. Clandestine? (Young)
- 7035 CHINA, R. Peking. 2120-2125* II nx. (Guarducci)
- 7064.5 IRAN, R. Iran (Home svc). IS at 0227 similar to but not same as on 15084 & 9040, followed by Iran anthem and farsi. Super weak, but no QRM lvl. Not reported in NA before. (Shaw 12/30); 0130 noted w/IS and s/on into lang. Fair (Jamison 12/30)

- 7064t IRAN, R. Iran(Home svc) *0218 under heavy jamming, noted two days early January. Instrumental mx 0236. Gone 0354. (Young)
- 7065 ALBANIA, R. Tirana. *0000-0029* EE px (Brown 12/17, Ross)
- 7095 CHINA, R. Peking. 1327 CC mx, YL anncr. Poor. (Miller 1/6)
- 7095nf ISRAEL, IBA Jerusalem. Tested a while here with 20kw. Since 12/25 has been 300kw to Eu and NA. Noted 1800-0530. Sked 1645-0530 (including px beamed to USSR). F-E w/EE 2000-2045 including new DX px by Israelei DXer Offer Barth 2030-2045 Sat. FF 2200-2255 and relay of IBA Hebrew HS 2300-2350 and 0035-0255 beamed to NA//9495, 9009, 6170, and(to 0040) 9785. New NA svc and one worth encouraging as they are considering EE to NA instead of Hebrew HS relay from 0035-0255...and many new 300kw tx are being constructed which could make IBA one of the major broadcasters to NA. Reception reports to F. Z. Stockheim, IBA, P. O. Box 7139, Romema, Jerusalem. Also is EE 0500-0515, FF 0515-0530. (Magne); RR 2100. Good.(Mayer 1/4); P-F(Behr) (Jones 12/18);0846 Id into CC px (Day 12/16)
- 7100 MONACO, TWR. *0725 EE ID into rel px 444(Schwartz);0800 EE rel px 444 (Jones 12/18);0846 Id into CC px (Day 12/16)
- 7102 N. VIETNAM, VoV. 1700 VV talk. Het from unid on 7100. Daily (Bowlsby)
- 7102v UNID, Oriental. Peaks at 0035 daily to present. Mx, sounds Viet. (Young)
- 7105 SPAIN, RNE. *2130 SS ID and nx. Good. (Estes)
- 7105 USSR, R. Moscow. 0145 EE to NA 454 (Robins, Ross)
- 7105 MONACO, TWR. 0800 EE ID rel px 454 (Robins 12/24)
- 7108 THAILAND, Thai TV. 1715-1802* Thai w/US pops 333 (Bowlsby); Tentative. 1230 w/oriental mx and talks in lang. (Ball)
- 7110 MALI, Bmaako. 0830 Afr chants 454 (GLDXA)
- 7120 ALBANIA, R. Peking.relay. EE px to NA 0150 (Brown, Robins, Ross)
- 7125 INDIA, AIR. 1404 IS noted. Thick QRM drove me off before s/on(Jamison)
- 7125 GUNIEA, LV du Revolution. 0820 Afr contemporary mx//9650 (GLDXA)
- 7135 MONACO, TWR. 1200-1415 II nx, mx. Good. (Lohe-W.Germany); 0925 w/pops, II ancmnts. Very late reception via LR. Never heard as late as this before. (Padula-Australia 12/15)
- 7135 UKRAINIAN SSR, R. Kiev. 0030 EE nx, DX px//7150. 433 (Zilmer 12/25)
- 7139 INDONESIA, RRI Ambon. 0915 US pop mx w/talk into C&W mx (Day 12/16)
- 7140 CYPRUS, BBC Limassol relay. 0603 EE nx. Poor. (Stephens 12/8)
- 7150 UKRAINIAN SSR, R. Kiev. 2245 RR w/ concert mx. ID. Fair. (Fino 12/1)
- 7150 ENGLAND, BBC. 0607 EE nx. (Stephens 12/8)
- 7155 JORDAN, R. Amman. 0610 AA mx QRM BBC. Poor. (Stephens 12/8)
- 7165 RYUKYU ISL, VoA Okinawa. 1145 EE nx. (Pedersen 12/14)
- 7170 SINGAPORE, R. Singapore. 1130 no sweat lvi OM & YL co-hosting variety mx. (Shaw 12/30); 1145 excellent lvi w/probably nx as read by OM & YL(Jamison)
- 7170 NEW CALEDONIA, ORTF Noumea. 0710 FF drama//11710 (Pedersen 12/18)
- 7170 GREECE, VoA Kavala. 2050 EE w/jazz festival. Fair (Miller 12/26)
- 7180 FRANCE, ORTF. 2035 FF w/EE lang lessons. Fair. (Anderson 12/21)
- 7195 INDIA, AIR Delhi. 0650-0700 Vern, Indian mx, ID 322 (Schwartz)
- 7200v CLANDESTINE. Unid station. 1430 Persian, AA and similar langs to 1547* QRM USSR. Cf. Dec. CB-4 (Behr)
- 7205 USSR, R. Moscow. 0100 EE nx, cmntry 433 (Brown 12/19)
- 7220 RSFSR, RM(Asiatic). 1245 CC px. Chita or Blagoveschensk? (Ball)
- 7225 PHILIPPINES, FEBC. 1140 EE rel tik, mx (Pedersen 12/16)
- 7233 MONACO, TWR. 0850 Yiddish sermon (Sun only), into GG at 0905. Probably meant to be 7230! (Padula-Australia 12/23)
- 7245nf ALGERIA, RTA. 0730 past 0830 w/FF via LR. Ex 17825 (Padula-Australia)
- 7250 VATICAN, Vatican Radio. 0645 Latin Mass. Fair. (Guarducci)
- 7255 RWANDA, DW Kigali. 0435 EE "Morning Show" to Afr 333 (UNDX 1/4)
- 7265t W. GERMANY, Sudwestfunk. 0745 f/o GG ancmnts, ad pop mx (GLDXA)
- 7290 ITALY, RAI. 1558 II nx. Fair. (Guarducci)
- 7295 ALBANIA, R. Tirana. 0250 EE cmntry 454 (Mendel 12/26)
- 7295 USSR, R. Moscow. 0350 folk mx, EE nx, cmntry. (T. Smith 1/5)
- 7300 ALBANIA, R. Tirana. *2130 into lang. P. (Guarducci); 0430 EE nx(Pedersen)
- 7315 USSR, R. Moscow. 1130 IS, tik in SEA lang. Unlist freq (Estes)
- 7330 USSR, R. Moscow. 0249 EE px 454 (Mendel 12/26)
- 7335 CHINA, R. Peking. 2240 CC talk//9945 CHU QRM (Mayer, Estes)
- 7345 CZECHOSLOVAKIA, RP. 0337 EE px (Mendel); 0100 IS, ID nx, cmntry (Day)
- 7350 CHINA, R. Peking. 2245 CC tik, orch mx//6210 (Estes, Mayer 12/25)
- 7355 USSR, HS from Moscow. 0715-0730 classical mx w/RR ancmnts. HS chime, IS 0730 and nx. Fair (Burlew 12/26); IS @ 0428-0430 RR YL Mayak px 0500. Noted R. Moscow NA svc in EE a few days late December. (Young)

- 7360 USSR, R. Moscow. 0110 EE nx on energy crisis. E. (Wilson)
- 7400 USSR, R. Moscow. 2305-2330 SS to LA w/mx, nx, etc. F-G (Fino 12/25)
- 7415-6v UNID. Asian. From 1050-1115 in lang, some mx. Probably Hanoi up from 7410. P-F. (Estes)
- 7434 UNID. 1545-1553 talks in SEA lang, then "Internationale" to 1555*(Burlew 12/9)
- 7440 USSR, R. Moscow. 0400 EE nx, "Moscow Mailbag" F-G (T. Smith)
- 7500 AUSTRALIA, VNG Time Station. 1545 EE time ancmnts, pips (Burlew 12/9)
- 7504 CHINA, R. Peking. 2315 w/CC opera mx //11675. Fair. (Mayer 12/25)
- 7861 UNID. 1040-1106 YL in lang w/US pop mx 1960's type no ID's (Hardester 12/23)
- 7862t THAILAND, Bangkok Radio. Seems like weather station format w/EE anmts by OM and lots US pop tunes. Noted daily 0017-0056. Peaks around 0030. Noted 12/24 to present. Seems to be USB unsurpressed sideband. Xmas mx (Young)
- 8000 JAPAN, JG2A E Time Station. ID in CW 0834-0835. (Young)
- 8290 USSR, R. Moscow 1115 EE talk and cmntry. Good. (ROM)
- 8334 UNID. YL w/VV talk at 1121. Poor. (ROM)
- 8348.5 ENGLAND (Presumed) BBC. 1122 EE tiks on Vietnam. Odd freq. (Estes)
- 8393 UNID. Asian. 1120 CC talk. (ROM)
- 8412 UNID. Asian. 1115 CC or VV mx. Poor lvl. (ROM)
- 9002 ISRAEL, IBA. *0500-0515* EE ID, nx, cmntry 222 (Schwartz 11/29, Yamron) 2037 EE cmntry (Slaughter 1/6); 2347* s/off Hebrew svc, *2354 w/IS into LA svc 0000 w/nx and requests for reception reports, all SS, 0030*(Schnabel)
- 9020 CHINA, R. Peking. *2000 IS, CC ID, EIR. QRM. (Estes, Robins 12/27)
- 9022 IRAN, R. Tehran. IS 2030 into lang (Yamron); 2015 EE cmntry(Slaughter 1/7)
- 8888 MONGOLIA, R. Ulan Bator. 1246 t/i w/weak signals. Silent period 1250-1252. Musical s/on 1252 followed by ancmts by OM in lang. Off 1300 (Jamison 12/30)
- 9080a CHINA, RP. 0812 CC tik, mx. Is listed freq for 1st HS 354 (Bowisby 12/21)
- 9216-8v N. VIETNAM, VoV. YL in VV w/ID 1130 //10060 F-G (ROM)
- 9312 UNID. Asian. SEA mx, lang. Fair. (ROM) Time? -MRL
- 9350 ALBANIA, R. Tirana. 1630 Polish, 1700-1727* GG, Some RTTY (Behr)
- 9375 USSR, Khabarovsk. Now here *2330-0500* All RR Mayak px. (Davis)
- 9455 N. KOREA, R. Pyongyang. 1000ID EE nx to NA 533 (day 12/30)
- 9457 N. KOREA, R. Pyongyang. 0820 px in lang. 454 (Bowisby 12/21)
- 9460 CHINA, R. Peking. *0830-0920* EE to NA 343 (Bowisby)
- 9475 A.R. of EGYPT, R. Cairo. *0200-0330* EE ID into NA svc. F-G (Schwartz, Day, Buehler, Wallace, Coursey, Stephens) // (Brown 12/20)
- 9480 ALBANIA, R. Tirana. 1640 EE nx, cmntry. 354 (UNDX 1/3); 1830-1900* EE nx
- 9488v UNID. *1807 mostly S. Asian mx to 1905* no ancmts. Irregular. (Behr)
- 9495nf ISRAEL, IBA Jerusalem. 2000-0530 w/mere 20kw but sometimes clear and strong altho undermodulated. Nf since 12/25. 44544 best usually weak tho. See 7095 for details. (Magne); 1735 RR, 1800 Hebrew, 1900 RR weak. //9785, 10248.5 (Behr); *2100 RR ID by YL 232 (Leonhardt 1/12)
- 9500 ALBANIA, R. Tirana. 1820 FF cmntry, ID 343 (UMDX 12/11)
- 9504 PERU, R. Loreto. 1015 SS mx. (Hagen)
- 9505 BRAZIL, R. Record 0055 PP talks, ads
chimes, sports nx 343 (Roberts 12/20).
When reporting to Log Report,
Some to embellishment resort,
But, when reporting as "true",
Remember, many eyes are on you,
So, if you're wrong, expect a retort.
(Neal Perdue - Tennessee)
- 9505 JAPAN, NHK. 1900-1930* JJ px 243 (Robins 12/24, Nebron 12/25).
- 9505 SUDAN, R. Omdurman. 2000-2100 AA lang tiks, folk mx and drama// 11835. (Wootten-Morocco 11/25)
- 9505 DOMINICAN REP. RTV Dominicana. 0137-0147 EE nx by YL (Jones 1/10); 2230-0000 SS nx, ID's, mx. (Robinson, Fino, Peters)
- 9510 VENEZUELA, R. Barquisimeto. 1847-2130 SS nx, US pops, ID's (Perdue, UNDX)
- 9510 TAIWAN, BCC. FF 1700-1800, EE 1800-1900* G-F here (Davis, Nebron)
- 9510 ASCENSION ISL. BBC Relay. *2300-0345 EE nx, cmntry, etc (T. Smith, Fino)
- 9515t URUGUAY, R. Sarandi. 2300-0030 SS sports QRM BBC. (Coursey)
- 9515 TURKEY, VoT. 1650-1700 lcl string mx, pips, TT tik//11880 (Leonhardt)
- 9515 MEXICO, LV de la America Latina. 1356 Mexican mx. Fair (Miller 12/23)
- 9520 GREECE, R. Athens. 1800 Greek px and mx to 1850* Strong over jammer (Behr)
- 9525 CUBA, R. Havana. 0630 EE px to NA (Ross); 0010 SS tik 333 (Brown 12/16)
- 9530 ECUADOR, HCJB. 0230 RR rel tik, ID (Fino 12/22); 0510 Polish rel px (Estes)
- 9530 USA, UN Radio. 0515 multilingual px. (Wootten-Morocco)
- 9535 SWITZERLAND, SBC. 0144-0200 EE px //6120 (Stephens, Buehler)
- 9535nf NETH. ANTILLES, TWR. 0450 AA sermon. (Padula-Australia 12/23); 0515 Dutch to 0531* Ex 9760 (Behr)

- 4972² CAMEROON R. Yaounde; 0515 FF/EE Christmas mx, EE ID, Afr mx to 0600+(Cwikla, Schwartz) 2150 FF mx(Corson)
- 4975t TADZHIK SSR Dushanbé; 1225 YL in RR tlk(Robinson)
- 4985 ANGOLA R.Ecclesia; 0530 pops, PP, ID; 0550 fade out)Behr)
- 4996 PERU R.Andina; 0359-0650*; SS, Andean mx, IDs, TCs(Dexter, Day, Roberts)
- 5000 NEPAL Kathmandu; 0035-0125 tlk, lcl mx, nx(Lohe-Eu)0047-0114 fade under WWV, mx, YL ancr; also 1530(Young) 1100-1230+ lcl mx, YL tlk(Shaw, Robinson, Yamron, Jamison, Kelleher, Burlew)
- 5010 CAMEROON R. Garoua; 0540-0600+ FF/EE(Cwikla, Behr) 2105+(W.Smith, Koret)
- 5010 CHINA(PR) Nanning; 1444 CC mx, anmts(Young)
- 5010 SINGAPORE RS; 1035 N:E(Tyson-Pac) 1535 symphony mx, //5052(Young)
- 5015 ANGOLA RC de Moçamedes; *0600 flute IS, PP, under Vladivostok(Young)
- 5015 BRAZIL Rdif Poços de Caldas; 0309* w/ID, fqys, hymn(Reeves)
- 5015 RSFSR(Eur) Archangelsk; 0300-0330 RR //5065(Henderson, Reeves) 1240 RR, mix Vlad. (Jamison) 1400 Radiostantsiya Yunost, over Vlad., 1500 fade, //4780. 5065(Behr)
- 5020 NIGER ORTN-Niamey; 0534 M ancr, lcl vocals, drums, noisy(Shaw)
- 5021 BOLIVIA R. Universo; *1000 ID, Aymara anmts, Andean mx(Behr)
- 5023v PAKISTAN Rawalpindi; *0128 IS, EE ID, Urdu, since 12/25 //4060(Young) Nice going(FH)
- 5026 UGANDA RU, Kampala; 0540 EE, DJ, lcl thythms, Koran(Shaw) Tentative, 2145-2200* vy weak Afr stn; mx, talk by man(Burlew)
- 5031 COLOMBIA Brisas del Citará; 0223 fast SS tlk by man; mentions of Colombia; ID, het (Jamison)
- 5033 ANGOLA RC de Benguela; *0515 weekdays, *0600 Sun(Robinson)0526-0556 PP(Young)
- 5034v PIRATE Wild Turkey Radio; 0500-0600* EE; also 0300-0402*; ancg 5075, last hrd 12/10(Behr)Somewhere the Purple Pumpkin is smiling...FH
- 5035 KAZAKH SSR Alma Ata; 1239 RR by W(Henderson) 1600 IS, NA, ME lang(Young)
- 5039 BURMA BBS-Rangoon; 1110-1350 BB, vocals, tlk(Shaw, Jamison, Robinson, Yamron, Corson, Lineback) 1530 mx, EE ID(Day)

6060 SICILY RAI-Caltanissetta; 0040 II/EE, Caltanissetta ID, nx*(Cwikla)
6089 NIGERIA RTV-Kaduna; 2300 N:E, 2307 chants, 2315*, NA, QRM(Behr) (Guarducci.../
6090 ARGENTINA R.Belgrano; 0000 SS mx, tlk, sports from R.Argentina, 0230 both IDs(Behr,
6095 SOMALI REP R.Mogadishu; 1915-2000* lcl band mx, NA once only(Mayer)
6100 CHILE R. Calama; *1000 SS ID, nx*(Behr)
6150 CHILE R.Cooperativa; 0435 songs, SS, past 0530, //9689(Behr)
6156 HAITI R.Citadelle; 1100 mx, 1125 Voix de l'Ave Marie, FF rel px(Behr)

.....There you have the most important items from LR-B section. Sorry we couldn't bring you everything, but there just wasn't timeto retype the whole thing. Dan Ferguson

- 5039 SUDAN Omdurman; 2120-2200* AA R&R, 2145 nx(Lohe-Eu, Mayer) T, 1610 AA chanting, best after Burma s/off 1600(Young)
- 5040 GEORGIAN SSR Tbilisi; 0015-0300+ RR tlk, lcl nx, vocals(Jamison, Henderson, Shaw) 1350-1400+ piano mx, IS, 1400 nx, ME lang)Young)
- 5050 ALBANIA Tirana HS, Albanian, 2158*, unhrd for months(Reeves) 0500-0630+ Alb nx, mx, best on band(Behr, Burlew, Heutte)
- 5050 TANZANIA Dar-es-Salaam; 1501 lcl lang nx, often hrd(Young)
- 5052 SINGAPORE RS; 1530 EE nx(Pedersen)
- 5060 SOUTH YEMEN Aden; 1436 AA talks(Young)2050-2202* AA, nx, chants(Robinson, Reeves)
- 5061 ANGOLA RC do Huambo; 0535 N:P by M(Young) 2200* NA, ID(Heutte)
- 5061 ECUADOR R. Progreso; 0000 ID, Andean mx(Heutte) 0430v* Andean mx(Reeves)
- 5065 KARELO-FINNISH SSR Petrozavodsk; 0305 M&W in N:R(Henderson) 0447 RR(Dexter) 0835-0900 pips, organ IS, N:R(Burlew)
- 5065 UNID, like RR format, but 1300 TC, EE anmt: This is R. ?; voice sounded like Oriental; mx, talks in EE past 1358(Young)
- 5290 RSFSR(As) Krasnoyarsk; 0000 TC, piano mx, RR, // 9500HS, past 0203; also peaks 1145(Young) See Dec LR...FH
- 5804 YEMEN Sanaa; 0400(GLDXA) 1358-1548 AA px(Young)
- 5879 CHINA(PR) RP; CC HS 2200-0043(Young, Geutte, Magne)
- 5970 PERU R. El Sol; 0300-0700+ SS, mx(Day, UMDX, Brock)
- 5980 SIERRA LEONE RSL; *0745 EE/vern, past 0815; pops, HL mx, ads, TC(Roberts)
- 6000 SINGAPORE RS CC svc; 1530-1630*, undual 5010, some het(Davis)
- 6010 VENEZUELA R. Los Andes; 1030 Ven mx, SS ads, 1037 full ID(Behr)
- 6013 THAILAND Thai TV Co.; 1405 lcl singing(Tyson-Pac)
- 6015 PARAGUAY R. Nac.; 1213 M singing, LA pops, ID, etc. (Schnabel)
- 6019 VENEZUELA R. Anzoategui; *1000 NA, ID, LA mx, SS ads(Behr)
- 6035 SWEDEN RS; 0030-0230 EE, Sw, SS, EE, ex 6000(Behr, Zilmer, Mayer, Miller)
- 6040 NIBAT RD. 1315 AA(Tyson-Pac)

February 2, 1974

We have indirect word that Elliot Straus was in the hospital for a couple of days recently. That apparently is the reason the LR-A section has not arrived. We don't know what the problem was, but have been told that it is nothing extremely serious.

The LR-B section has arrived, and contains much good DX. Unfortunately, it could not have been used even if it had arrived on time, since the typing was too light. We are extracting the best items on this sheet, at the last minute... First, however, a couple of other items.

****Jack Perolo has compiled an 80 page mimeo printed band survey. The data is collected from Jack's years of monitoring in Brazil, and should be an excellent reference source for serious DXers, especially if you are interested in LA listening. Cost for the 80 page book, which has plenty of space for additions, is \$3.50 surface mail from Brazil, \$4.50 for airmail. Make checks payable to Don Jensen, and send the order to Don Jensen, 5204-70th Street, Kenosha, Wis. 53140. Transit time should be about 3 weeks airmail, 3 months seairmail.

****Ernie Behr sends a few late items: COLOMBIA - 6150.6 LV de Huila, Neiva; 0130 mx & IDs, past 0530, also announc "Super Radio", since 1/23...CHILE- 15150, LV de Chile. 2120 GG, 2135 Italian, 2150 FF, 2206 EE, 2225 SS, 2245 AA, 2308 RR, 2328 GG, annc 19, 25, 31, 49 m; all times vary 10-15 minutes...KAZAKH SSR - 6180 Alma Ata; 0215 Kaz & RR tlk & ID, 0225 mx, good to 0300 f/o...ZAIRE- 9664, V du Zaire, 2100 Afr mx, FFtlk on NF, //9770, 11865, 15245. ...PERU -4860.5, R. Chinchaycocha, Junin, 0430 Andean mx & IDs to 0627*(Ernie Behr)

...NOW ITEMS FROM THE LR-B section...

4937 ANGOLA RC Lobito; *0530 AP, ID, pops(Sparks) 2115 orch mx, pops(Henderson)
4940 RSFSR(As) Yakutsk; 0430-0935+ RR HS(Reeves, Jamison, Day, Pedersen, Roberts, Perdue)
4940 UKRAINIAN SSR Kiev; 1415 Ukr tlk, ID, past 0452(Behr)
4950 SARAWAK RMS-Kuching; 1040 CC tlk(Pedersen) 1207 N+E(Tyson-Pac)1445-1515 N+E, etc(Corson)
4955 INDONESIA(Sumatra) RRI Banda Aceh; 1157 II songs(Tyson-Pac)

- X 9540 UZBEK, SSR, R, Tashkent. 1220-1230 EE Mailbag. Poor. (Slaughter 12/29)
- 9540 NEW ZEALAND, RNZ. *0630-0800 EE nx, mx. (Robinson, Pursglove)
- 9540nf S. AFRICA, RSA. 0845-1030 EE, pop mx, nx //9515 (Hagen)
- 9540 AUSTRALIA, RA. 1930 EE px to S.Pac. //15355 (Zilmer, Robins, Nebron)
- 9545 LEBANON, R. Lebanon. EE nx QRM DW (Stephens)
- 9545 GHANA, R. Ghana. *2045-2215* EE nx, Afr mx (Guarducci, Cwikla 12/27)
- 9545 BRAZIL, R. Universo. 0100 PP nx, ads (Agner 12/20) /Robinson)
- 9560 JORDAN, R. Jordan. 1600 EE ID and nx, 1700-1730* EE nx, mx (Behr, Mayer,
- 9570-2v CHILE, R. Diego Portales. 2231-0230 SS tk, drama, ads. F-G (Sparks, Miller, Estes, Brown, Koret, Brock, Custodio)
- 9570 UNID. 1600 two AA stations here. Need ID's (Robinson)
- 9575 GREENLAND, GR. 1530 Danish nx, 1545 Songs, Fair to 1550 (Behr)
- 9575nf AFGHANISTAN, RA Kabul. 1730 GG, 1800 EE and mx P-F since 12/16 (Behr)
- 9580 USSR, R. Moscow. 1700 Mayak px. Good. (Mayer)
- 9580 PHILIPPINES, VoP. 0950 Language lesson 333 (Day 1/1) /Fair (Behr)
- 9580 ZAMBIA, R. Zambia. 2030 ID and "Namibia Hour" in EE, 2110 Afr lang.
- 9580-2v NICARAGUA, YNRP R. Mar. 1328-1400 ID, mx, (Miller, Mayer, Cwikla); 2240-2314*v SS ID mx, anthem. Fair. (Behr)
- 9580 UNID. 1900-2100 OM w/EE "will of God" repeated every 20 sec. Heard 12/22 2khz lower than Zambia w/general svc /wnx and speech, US rock and roll from 2000-2100, then continuous drum rolls. Also heard 12/9 w/drum rolls 2035-2115 w/OM "will of God" (Mayer)
- 9580 AUSTRALIA, RA. 1010-1315* EE stock market reports, mx (Wilson, Buehler)
- X 9584.2 CLANDESTINE, Bizim Radyo. 1640-1707* TT talks, ID. Often Good (Behr)
- 9585 BRAZIL, R. Excelsior. 0200 PP sports. Severe QSB (Agner 12/7)
- 9585nf SAUDI ARABIA, SABC Riyadh. 1400-1607*v AA talks, Closing announcements mentions "Arabiyah al Saudiyah" several times. F-G (Leonhardt 12/29, Behr)
- 9585 UNID. 1540 several OM's w/AA talk, some chants, off abruptly 1600*. F-G. Would like to think this Syria... but (Robins 12/30). How about the above? MRL
- 9595 JAPAN, NSB. 1030 JJ talk, mx 353 (Cwikla 12/23)
- 9608nf PR of the Congo, RTC. 1700-1830 t/o FF talks, nx, many mentions of "Brazzaville" Good. (Robinson) /Day)
- 9610 AUSTRALIA, VLW9 Perth. 1043-1600* EE nx, wx, mx, etc (Stephens, Wilson,
- 9610 DENMARK, R. Denmark. 1400 Danish talk, jazz mx (Wilson 12/16)
- 9620nf FRANCE, ORTF. *1030 into FF. Nf this time period, and an interesting choice of freq propagating across daylight path across Asia. (Padula-Australia 12/15)
- 9620 S. VIETNAM, VTVN. 0905 VV talks. Heavy fades. Since 12/30 322 (Day)
- 9630 SWEDEN, R. Sweden. 1250 EE tk about Royal family. (Miller 12/31)
- 9635 COLOMBIA, R. Nacional. 1215 EE Spanish lang lessons 443 (Zilmer 12/26)
- 9635nf SWITZERLAND, SBC. IS 1810, 1815 GG px //9590 both in QRM (Behr)
- 9635 BRAZIL, R. Aparecida. OM in PP talks, many ID's, TC's (Robinson) Time?
- 9640 S. KOREA, KBS. 0900 ID, sked in EE and nx. 222 (Day 12/30)
- 9645t BRAZIL, R. Cultura de Pocos de Caldas. 0853 PP talk 333 (Bowlsby 12/21)
- 9645 NORWAY, Fredrikstad. 1908 NN ID into rel px 333 (Schwartz)
- 9649-50v GUINEA, Conakry. 0820-0900 Afr rhythms and chants //7125 (GLDXA, Tyson-Australia); 2300-0200 het w/DW (Robinson)
- 9660 ANGOLA, A Voz de Angola. 0618 t/i ID by OM "Transmite A Voz de Angola, A Voz de Cordealidade" Excellent on a good Afr nite. Jammer on this freq goes off at 0630 (Robinson 12/29); Tentative 0720 PP and Afr mx (GLDXA)
- 9660 AUSTRALIA, VLQ9 Brisbane. 0910 EE nx, wx report. 332 (Day 12/30)
- 9660 VENEZUELA, R. Rumbos. *0857-0908 SS talks (Bowlsby, Ross); 2314-0045 SS talks, mx, ID's, etc. (Robins, Coursey)
- 9665nf FRANCE, ORTF. 1900 AA px and mx, past 2000. Ex 9585 (Behr)
- 9665 MALAYSIA, RM Kuala Lumpur. 0940 EE nx, ID 322 (Day 1/1)
- 9670 PORTUGAL, IBRA Radio. 1800 EE ID into RR px (Koret); 2100 EE/GG to Eur 444 (Graves 12/6); 2006 EE talk, rel px (Miller 12/29)
- 9675t BRAZIL, R. Diario da Manha. 0903 PP Bible reading 343 (Bowlsby 12/21)
- 9675 PERU, R del Pacifico. *1100-1234 SS ID rel tiks, "Despertar de los Andes" px. 353 (Roberts 12/24, Robinson)
- 9685 BRAZIL, R. Gazeta. 0125 PP coverage of futbol, ads 343 (Roberts 12/20)
- 9685 UNID. 0640 AA chants. Probably Algiers. Good. (Estes)
- 9690 CHILE, LV de Chile. 1048 SS talks, TC's, ID's 353 (Roberts 12/22)
- 9690 ARGENTINA, RAE. 0347 EE talks, F. (Ross); 0530 SS nx, mx. Good and clear (Guarducci); 0205 PP drama (Earhart 12/31)

- 9695 BRAZIL, R. Rio Mar. 0100-0200* PP ID by OM "Radio Rio Mar, Manus, Brasil" abrupt s/off 0201 (Robinson, Guarducci, Earhart)
- 9705 INDIA, AIR Delhi. 0245 EE nx to 0250* 332 (Bowsby 12/21)
- 9707 BRAZIL, R. Maua. 0915 PP talk, ads, mx, 444 (GLDXA 12/28)
- 9710nf SOUTH AFRICA, Springbok Radio. *0527 Afrikaans ads. Heard until eventual f/o 0630. EX 9720. (Padula-Australia 12/23); 1500 EE ID ads and mx. (Behr)
- 9709.6 MAURITIUS, MBC. 1254 t/i on 1/1/74 w/incredible signal. OM w/FF talks, six time pips 1300, ID mentioning "Radiodiffusion Television", into Indian style mx, YL hosting, OM w/nx 1328-1339 when mentioned "Maurice." Also noted 1/4 w/YL and Indian and western mx, 1429 s/off. (Robinson)
- 9715 KUWAIT, R. Kuwait. 1840-1900* EE to India/Pakistan. Now extended sked for EE svc, formerly s/off 1800* (Padula-Australia 12/21)
- 9740 MALAYSIA BBC Tebrau Relay. 1140 EE px (Pedersen 12/14)
- 9740 CANADA, BBC Sackville Relay 0000-0030 EE World nx 454 (Nebron 12/31)
- 9742 ARGENTINA, R. Splendid. 0942 OM in SS "Año Nuevo" greetings. F. (Robinson)
- 9745 IRAQ, R. Baghdad. *1930 Bird chirp IS into EE nx, cmntry, etc. (Schwartz, Graves, Slaughter, Guarducci, Day)
- 9745 UNID, Possibly Baghdad. 1730 YL & OM AA talks. Much mention "Bah-rdad", also "Bei-rut", but no definite ID noted 433 (Schnabel)
- 9750 CHILE, R. Miniera. 0945-1015 SS ads, mx (Ross, Earhart); 2335-0130 ID as "Radio Miniera Santiago de Chile" SS popmx. Excellent signal. Must be more than 5kw listed (Brock, Robinson)
- 9755 A. R. of EGYPT, R. Cairo 1740 "Saut al-Filistine" AA ID and nx. Fair. (Behr)
- 9757 PERU, R. Sideral. 0445 past 0500 SS ID, TC's pop mx. (UMDX, Roberts)
- 9760 JAPAN, NSB. 0200 2nd prn in JJ noted daily. 444 (Bowsby)
- 9770 AUSTRALIA, RA. 1600 w/EE nx. Good. (Lohe-W. Germany)
- 9785 ISRAEL, IBA Jerusalem. Now with second 300kw tx inaugurated 12/25, but so far only with one antenna beamed to USSR. Was formerly the 20kw test tx which was moved 12/25 to 9495. Signal varies but is usually equal to 9495, but better modulated, sometimes QRM Moscow (Magne); 1900-2145 EE nx, cmntry, mx. (Zilmer, Hagen, Peters, Nebron).
- 9805 A. R. of EGYPT, R. Cairo. 2130-2140 GG request px. (Lohe-W. Germany)
- 9840 AZERBAIJAN, R. Baku. 1618 Best mornings here in TT. IS 1629-1630, NA and into AA px. Hanoi usually gone by 1600. Weak most days. (Young)
- 9912 INDIA, AIR. 2115 EE talks, mx 454 (Graves 12/16)
- 9940 UNID, African. 2245 FF talk, drum ID like Nigeria, Afr mx 433 (Zilmer/4)
- 9996 ASIAN USSR, RTA Novosibirsk 0259-0300 time pips and ID. Weak. (Young)
- 10000 CHINA, BPM. Time pips at 1528-1529, then ID in CW to 1530 (Young)
- 10000 UNID, Time Station under WWV w/morse code ID 10 min pasthour. Last heard 12/23. Anyone know this one? (Agner) How about the above?-MRL.
- 10010 CLANDESTINE, R. Liberation. FF at 2000, EE 2030-2058* 342 (Bowsby 12/9); 1115 EE nx, political cmntry (Pedersen 12/16)
- 10010 Cf. Dec. LR. ID is "This is Liberation Radio. The voice of the Provisional Rev. Gov't of the Rep of S. Vietnam" (Robinson)
- 10039.5 N. VIETNAM, VoV. 1020-1042 EE to 1030 then lang YL hosting 232(Earhart)
- 10079 UNID, Asian. 1105 OM & YL in SEA lang. Poor. (ROM)
- 10246nf CHINA, R. Peking. 2330 t/i to 0030 t/o Nf for HS 1. P-F (Davis)
- 10248-50v ISRAEL, IBA. 2030 EE nx. Continuing use of out of band freqs(Padula-Au); 2000-2045 EE, 2200-2255 FF, many //s. 20kw. Poor. (Magne)
- 10260 CHINA, R. Peking. 2300 t/i to 2400 t/o CC HS 2. Poor to Fair. (Davis)
- 11330 CHINA, R. Peking. *2345 to 0400 t/o CC HS 1 (Davis)
- 11414 CLANDESTINE, R. Peyk-e-iran. 1432 Talks in Farsi, QSB, F-P (Jamison 1/6)
- 11650 CHINA, R. Peking 0320 EE nx, mx (T. Smith 1/7); 1240 CC mx//11600 (Estes)
- 11672-3v PAKISTAN, R. Pakistan. 1235-1404 nx in Pakistani, EE nx, talk (Schnabel, Miller, Robinson, Earhart)
- 11695 UNID. 1555-1610 mx to 1600, possible ID, then YL talking in lang. Could have been east European but not sure. 353 (Earhart 12/9)

WHEW!!!!... The above represents sifting through almost four hundred items send in this month for this section. Unfortunately some of the more common items had to be left out this month in order to keep within these five pages. Special thanks to Larry Magne for his detailed information on the latest IBA frequency changes, etc. Note items 6205, 7095, 9495, 9785, and 10248.

- 11700 ISRAEL IBA 2045* EE, nx, (Wootten-Morocco 11-24); *2100 RR 454 (Graves 12-14); 0000-0030 SS to SA //9009, 6170, 6205, 9785, 9495, older 300 kw tx, test px 252 but reportedly very good in SA, (Magne).
- 11705 SWEDEN RS 1400 EE, Christmas px to S Asia, 443, (Zilmer 12-25)
- 11710 ARGENTINA RAE 2243-2302 FF, long SS ballads, IDs, sched, IS, into EE at 2302, (Lohe-Germany); 2300-2345 EE, nx, mx, (Marshall 1-4)
- 11715 INDIA AIR Delhi local svce 0830 EE nx, not often heard here (Padula-Australia 12-9)
- 11720 CANADA CBC No. Svce. 1315-1325, nx, G (Buehler); RCI 1830-1858* FF, lite mx, songs, ID, IS, G (Fino 12-11)
- 11720 CUBA RHC 1355 SS, mx, cmntry by M&W, F (Wilson). Unlisted, NF?
- 11720 BRAZIL R Nac 2243 PP, ID, freq, carnival mx, G (Lohe-Germany)
- 11725 JAPAN NHK 2345 EE, nx to NA, //15445, 333 (Zilmer 1-6)
- 11725 ISRAEL IBA now here 0500-0530 EE/FF, 300 kw new tx but wrong antenna beam for NA, since 12-25, P-G, //9785, 9495, 9009, 7095, 6205, 6170, (Magne)
- 11730 NETH ANT RN 0250-0320* EE to NA, mx, "Whats New" px, amnts, ID, G-E (Ross, Fino)
- 11730 HOLLAND NR 1825-1900 EE, IS, nx, "His & Hers" px, 333, (Nebron 12-25)
- 11730NF LEBANON Beirut 1940 AA to Africa, 2000 FF, E (Padula-Australia 12-21)
- 11735 MOROCCO RTVM 2147 AA chants, VG (Coursey)
- 11740 INDIA AIR 2205 EE, nx, F (Ross)
- 11740 USA VoA Greenville 2100 Albanian to Eu, (Wootten-Morocco)
- 11740 ECUADOR HCJB 1200 JJ px followed by EE mail bag, G (Wilson 12-30); 1315-1325 EE rel px, G (Buehler)
- 11745 FRANCE ORTF 1732 FF, variety px, mx, tlk, F (Miller 12-23)
- 11760 CUBA RHC 1730-1800 SS, tlks by M&W, SS mx & songs, IS, ID, fading, G (Fino 12-10)
- 11760 USA VoA Greenville 2115 EE to Eu, (Wootten-Morocco)
- 11765 BRAZIL R Tupi 0200 PP, mx, //15155, 333 (Zilmer 12-26)
- 11765 AUSTRALIA RA 0810 EE, tlks, mx, P (Ross)
- 11770t YEMEN (PDR) DYBS Aden? 1630 AA, tlk, mx, weak to 1655 BBC s/on, (Behr)
- 11770 JAVA Jakarta HS 0608, Indon nx very strong (Tyson-Australia)
- 11775 SPAIN RNE *2000 SS, IS, 454 (Graves 11-30); 2223 SS, ID, 333 (Schwartz)
- 11780 N ZEALAND RNZ 0830-0845* EE, mx, P-F (Coursey); 1720 EE, mx, F (Guarducci)
- 11780 MOZAMBIQUE RCM 0455, EE ads and pops, unusually early rx via LR (Padula-A. 12-15)
- 11785 BRAZIL R Guaiba 0005, amnts, mx, 354 (Robins 12-23)
- 11790 JAVA Jakarta 0925 Indon amnts, EE pops, (Tyson-Australia 12-12); *2330 EE, IS, anthem, ID into EE nx, QRM de Guaiba, 233 (Roberts 12-19)
- 11790 SWEDEN RS 1600-16 EE, DX px, interview, P, 322 (Zilmer, Miller 1-1); 1640 AA to Mid-east, NF ex 11930, (Padula-Australia 12-15)
- 11790 USA VoA Greenville AFRTS 1830 EE, nx, other px, 444 (Brown 12-19)
- 11795 LIBYA station here might be Libya, logged here 9-5 1800-1832 w/AA mx and tlks by M&W, mentions of "Al-Aribiyah", instrumentals and vocals, Nx 1800-1810, format dosen't sound like DW (Robinson). Would DW AA format sound like other DW?-ed.
- 11800 CANARY IS RNE 0100 SS, ID, mx, amnts, F, 333 (Schwartz, Stephens 11-17)
- 11800 ETHIOPIA ETLF 0520 FF, tlk, 0525* after ID (Tyson-Australia)
- 11800 SRI LANKA SLBC 1525 Hindi mx, 1530 EE ad, to 1630 w/mostly Hindi mx, amnts (Young)
- 11805 BRAZIL R Globo 2205 PP, pops, 433 (Zilmer 1-5)
- 11805 MOROCCO VoA Tangier *1830 FF, nx px, 323, (Brown 12-19)
- 11805 LIBERIA VoA Monrovia 0800*, F (Ross)
- 11810 ETHIOPIA ETLF 1730 FF, mx, tlk, ID at 1745 into lang, G (Miller 1-6); 1830 end px in Foulfoulde, ID in EE/FF, into Hausa px, 333, (Roberts 12-13)
- 11810 INDIA AIR 1230, 1330, 1440 EE GOS, nx, cmntry, local mx, mostly good (Wilson, Yamron, Robins, Brown, UMDX)
- 11810 JORDAN Amman 2200-2300 AA chants and mx, E (Robinson)
- 11815 BRAZIL R Brazil Central 2100, 2210 PP, pops, F, 422, (Mayer 12-29, Zilmer 1-5)
- 11815 NETH ANT TWR 0030-0105 EE, Christmas mx, rel tlk, DX special, G-P (Custodio 12-12, Fino 12-3, Buehler)
- 11815NF? ALGERIA RTVA 2015 AA, AA mx, ID, tlks, 353, (Roberts 12-16)
- 11815NF BELGIUM RTB 0500 DD nx, ex 11785 but blocked at 0525 by ETLF (Padula-A. 12-15)
- 11815 JAPAN NHK 1430 EE, tlk by Women, QRM heavy, P (Wilson 1-1)
- 11815NF ETHIOPIA ETLF *0529 EE ID then EE px, (Tyson-Australia)
- 11820 MOZAMBIQUE RCM 0510 PP, "A" px, rare here, strong, (Padula-Australia 12-15)
- 11825 TAIWAN BCC 0335 CC, tlks, very strong, (Tyson-Australia)
- 11825 KUWAIT RK AA to North Africa, mx, nx, ID "Huna al Kuwait", (Wootten-Morocco). Time?
- 11825 TAHITI RT 0315 old US pops, P-F, //15170 VP, (Robins 12-26); 0500-0900+ with usual px, (Robinson)
- 11830 USA VoA Dixon *1600 into lang px, F (Ross)
- 11835 URUGUAY R El Espectador 2240-2305 SS variety px, QRM, (Lohe, Germany); 2330-0000 SS, mx, ads, IDs at 0000, 353, (Roberts 12-16)
- 11835 HAITI 4VEJ 1215 EE, Christmas mx, G (Wilson 12-30); 2235 SS rel px, EE ID at 2300, 332 (Day 12-31)
- 11840 AUSTRALIA RA *1800 EE, nx to Pac Is, VG, 433 (Zilmer 1-6, Guarducci)
- 11840 PORTUGAL R Nac *0215-0300* FF into EE, mx, tlk, PF lessons, pops, IS, ID, G (Fino)
- 11850 AUSTRALIA RA 2100-2330 EE pops, nx, DX px, to S Asia, 433 (Zilmer, Robinson, Wootten-Morocco)
- 11850 NORWAY RN 1745-1758 NN, ID, 333 (Schwartz)
- 11850 INDIA AIR 1230 EE, nx, 322 (Zilmer 1-3)

- 11855 USA WYFR 0215 SS, mx, 0230* in EE/SS, 555, (Brown 11-16)
 11855 SAUDI ARABIA BSKSA 1659 EE ID, AA nx, f/o at 1712, (Kelleher); 1715 AA singing, chants, P (Wilson 12-25); 1715 ID, uninterrupted western mx, then YL tlc, 322, (Schnabel)
- 11865 BRAZIL R Cl Pernambuco 2215-2300 PP, nx, reverb ads, mx, G (Zilmer, Wootten, Lohe)
 11865 ALBANIA RT 1150 SS to SA, early f/i via short path, (Padula-Australia)
 11865t RWANDA DW Kigali 0600, stamp talk, DW ID, 433 (Agner 12-6). Rwanda not listed this freq. Why not Germany?-ed.
- 11865 ZAIRE R Lubumbashi 1830* FF, tx trouble?, mx and Afro chants, 353 (Bowlsby 12-28); 1928 Afro mx, FF nx at 1932, F (Miller 12-22); 2100* some days, others on at 2230 again, mx, speeches, no local ID-relay Kinshasa?, (Robinson)
- 11870 SWITZERLAND SBC 1546 EE, 434 (Mendel); 1730 AA, IS into nx, G (Miller 12-29)
 11870 AUSTRALIA RA 1430 EE, Listeners Choice to SEA, 433 (Zilmer 1-1)
 11875 PORTUGAL R Mac 1900-1930 EE, DX px at 1915, (Wootten-Morocco)
 11876.7 BRAZIL R Soc Da Bahia 2330 PP, ID, nx, mx, Strong and distorted (Behr 12-7)
 11880 USA KGEI 0005 SS, rel px, 444 (Brown 1-2)
 11880 ARGENTINA R Splendid 2345 mx, carrier off at 2351, (Robinson)
 11880 TURKEY VoT 2211-2226 EE, "DX px", G (Slaughter 1-5)
 11885 BRAZIL R Mauá 2105 PP ID, 2109*, ads, tlc, jingle, 353 (Roberts 12-12); 2200 PP tlc, prog and freq sched, 444 (Zilmer 1-5)
- 11885 AUSTRALIA RA-Brisbane now here (ex 11880) for P/NG svcs, 0630-1000, (Padula-A.)
 11885 USA WYFR 2002, 555 (Mendel)
 11890NF SAUDI ARABIA BSKSA one day with AA mx, plays, EE ID, (Robinson). Time?
 11890 SEYCHELLES FEBA *1700 EE/Farsi, IS, rel mx, Farsi rel px, 353 (UMDX 12-18); 1800 EE into AA, 444 (Robins 12-24)
- 11890 USA VoA Greenville 0130-0200 SS to LA, tlc, nx, G (Fino)
 11895 SENEGAL Rd du Senegal 1842 EE px, 1900 FF, Afro & pop mx, rept as 11895.7, (Behr); 2000 FF, play, ID, nx, 333 (Robinson, Schwartz); 1840 FF, Afro hi-life mx, P (Miller 12-30); 2120 FF, speech, G (Yamron); 2210-2250 cover by VoA, FF, ID, TC, drums, Afro mx, nx, 333 (UMDX 1-5, Roberts 12-16)
- 11900 MALAYSIA VoM 0703 EE songs amts, (Tyson-Australia)
 11900 S AFRICA RSA 2004 FF, nx, ID, 444 (Schwartz)
 11905 TAIWAN BCC 0030-0100 CC HS, CC mx, quite goon during local daytime this summer, no signals from Eu audible at this time (Padula-Australia); 0720 CC, amts, inst mx, severe jamming, (Tyson-Australia)
- 11905NF BELGIUM RTB 1545 Congo px, //15315, both good, (Behr)
- 11910 ALGERIA RTVA *1900-1925 EE, IS, ID as Radio Algiers, nx, mx, into AA at 1930, P-G, //15420 F, (Robinson, Behr, Roberts 12-14).
 11910 HUNGARY RB *1200 Greek mx, Sundays only, early f/in, (Padula-Australia 12-9)
 11915 ECUADOR HCJB 2200-2230 JJ, 2230-2300 RR, 2300-2330 GG, 0430 EE, rel px, mx, amts in EE, IS, F-G (Fino 12-10, Mendel 12-26)
- 11915v EGYPT R Cairo 1400 AA px to Sudan, past 1530, //9475, (Behr)
 11920 FRANCE ORTF 2008 FF, ID, nx, 444 (Schwartz)
 11920 SPAIN RNE 1630 SS, mx, 1800 SS nx, G (Behr)
 11920 IVORY COAST RTVI variable reports, EE reported 1810, 1900-2000, FF other times to past 2230, nx, Afro mx, pops, tlks, F-G (many)
- 11920 ALGERIA RTVA 1900-1930 EE with //MW freqs, nx, cmntry, (Wootten 12-11). Now 11910?
 11925 BRAZIL R Bandeirantes 2205-2215 PP, 0000 PP, mx, G, 433 (Lohe-Germany, Zilmer)
 11930 CUBA RHC 0011 SS, mx, 433 (Brown); VoV px in EE 0200, (Wootten-Morocco).
 11935 PORTUGAL R Nac 0325 EE, 312 (Mendel 12-26)
 11935 BRAZIL R Cl Paranaense 2258 PP, 0015 PP, mx, IDs, freqs, call signs, 433 (Zilmer 12-24, Roberts 12-10)
- 11935 ENGLAND R Canada relay, 1600 RR, EE ID, RR nx, mx, 444 (Cwikla)
 11940 LIBERIA ELWA 2050 OM w/EE nx, 2100*, 444 (Robins 12-29)
 11940 ROMANIA RB 1330* EE to Eu., 544 (Robins)
 11945 CANADA RCI 2320-2358 PP, 0000-0015 SS, mx, nx, cmntry, F-G (Fino 12-3)
 11945 CUBA RHC IS in QRN at 2154 (Coursey)
 11945 CHINA RP 0100-0130 EE, New Years message, .444, (Nebron 1-2)
 11950 HOLLAND RN *2130 SS, //6085, F-G (Brock)
- 11950 BELGIUM RTB 1545 Congo px, //15200, diff. px on 11905, 15315, (Behr)
 11950 BRAZIL R Min do Educacao, 2220-2235 PP, A voz do Brasil, G (Lohe-Germany)
 11955 LIBERIA VoA Monrovia 2045-2100* EE, mx, ammts, lang lesson, ID, IS, F-G (Fino 12-3)
 11960 ETHIOPIA ETLF 1935-2015* EE, rel tlc, nx, F-G (Robins 12-24, Yamron 12-25, Miller)
 11960t ALGERIA RTVA 1730-1757* N Afro mx, some days FF sports to 1801*, (Behr) Listed on 11965-ed.
- 11965 BRAZIL R Record 2235, 0000 PP, A voz do Brazil, tlc, mx, (Lohe, 333 Zilmer 1-3)
 11965 RWANDA DW Kigali 2130-2220 GG, sports, march mx, tlc abt Germany, ID, G-VG, (Coursey, Fino 12-9)
- 11965 GUINEA LV de la Revolution 2250 FF/PP, kora mx, FF ID 2300 then PAIGC R Libertacao px w/Afro mx, PP tlks, 344 (Roberts 12-16)
- 11970 TUNISIA RTT 2007 FF, jazz, then OM&YW tlc, F (Roberts 12-22). Tunisia listed in SA, this might be RSA -ed.
- 11970 S AFRICA RSA 1920-1952 EE, 2000-2015 PP, px to Eu., ID, IS, G; 2356 EE, 444; 1900 EE, nx, cmntry, 433, (Fino, Mendel, Brown)
- 11990 CHINA RP 0000 Lang, IS, ID, G (Perdue 12-30)

- 11990 CZECHOSLOVAKIA RP 1800 Afro-Asian serv, mailbag, 343 (Custodio 1-6)
- 12000NF ISRAEL IBA 1600 RR, new 300 kw cx to USSR, listed as alternating with 15460NF, VP since 12-25, jammed, also listed EE at 1130-1200, (Magne)
- 12040 ENGLAND BBC 2140-2210 Sundays only with px to Falkland Is, //9915, 344, not in 1/74 engineering scheds. (Magne 1-6)
- 12050 USSR RM 2300-2330 EE, nx and cmntry on thinking outloud, (Marshall 12-30)
- 12055 CHINA RP 0200-0215 EE, nx, cmntry, 353 (Nebron 1-7)
- 12060h USA AFRITS Bethany 0435-0455 EE, Howard Cosell sports, 6030 x 2, 242 (Nebron 1-2)
- 12074v N KOREA R Pyongyang 0400-0410 SS, IS, NA, nx, 353 (Nebron 12-28); 2240-2250* KK tkl by YW, Revolutionary mx, DPRK anthem, 343 (Roberts 12-14)
- 12080 CLAND (VENEZ) R Euzkadi 1830-1900, 1930-2000, 2030-2100, SS & Basque only, //13250v new hours since Branco assassination (ex2030, 2130, 2230), fair, 13250 usually better, slightly jammed, EE px dropped, vy interesting cmntry since Branco, (Magne)
- 12145v CLAND R España Independiente 1640-1658*, SS tlks about Spain, economy, ID, sched, Republican Anthem at s/off, jammed by beeping CW, readability 15%, 322 (Roberts)
- 12175 ICELAND R Reykjavik 1615-1625 EE/Icelandic ID, UTE mede only these days, (Marshall)
- 13240 CLAND (VENEZ) R Euzkadi 1700 experimental xmsns, varying freq, (Robinson)
- 14995 USSR RM 5th HS px, Mayak, 1215 RR, //15150, seems too strong for spur, is fairly useable even when other freq weak, not list latest BBC MS scheds, I think some are confusing this with R Liberation, hrd 1-3 at 233, (Magne)
- 15013.2 N VIETNAM VoV 1130 Lang, F (Robinson)
- 15084 IRAN R Tehran 1230 Farsi, ID nx, 444 (Schwartz)
- 15103 MALAGASY RN 1830-1950, 2000-2120 FF, daily, 353 (Bowlsby).
- 15105 ASCENTION IS BBC 1742, soccer, F (Coursey)
- 15110v CZECHOSLOVAKIA RP 1500 Czech, 1530 EE to Afr, F (Behr)
- 15110 NEW ZEALAND RNZ 0015 EE, sports nx, 232 (Zilmer 1-5); 2330 EE nx, pops, ID, lte mx, bird chirps, 353 (UMDX 1-4)
- 15110 MALAGASY RN 2000 FF/DD, mx, lots of EE rec., 444 (Zilmer 1-6). Malagasy listed.
- 15120 NIGERIA VoN 1605-1620 EE, local mx, ID, nx, (Lohe-Germany)
- 15130 USA WYFR 1829, 2100-2130 EE, rel px, mx, ID, F (Marshall, Miller, Ross, Brock)
- 15140 CUBA RHC 2057, EE, G (Coursey). Also repts doubtful //15030, 15080. Rx spurs?-ed. Also 2007 s/on to Eu. in EE, G (Ross)
- 15145 BRAZIL R Jornal do Comercio 2155 PP, tkl, mx, under RNE, 422 (Zilmer 1-5)
- 15150 CHILE R Corporacion 2230 SS, mx, some EE records, 433 (Zilmer 1-4)
- 15155 BRAZIL R Tupi 1940 soccer game (Tyson-Australia)
- 15155 FRANCE ORTF R Paris inter 1500 EE, 344 (Mendel 12-13)
- 15155 S AFRICA RSA 1805 GG, ID, 333 (Schwartz)
- 15160 AUSTRALIA RA 1906 EE, 343 (Mendel)
- 15165 DENMARK RD *1728, *1800, ID in EE, all px in Danish, G (Wilson 12-25, Yamron)
- 15165 VATICAN VR 1520 EE, rel tkl, F (Stephens 11-10)
- 15165 INDIA AIR 0925 chants and tkl in II by M&W, G (Robinson). Hindi or Indon??-ed.
- 15175 S AFRICA RSA 1840-1900 EE ID, 444 (Schwartz); 1836 EE, spts tkl, P-F (Miller)
- 15175a SRI LANKA VoA 0130 Hindi, EE ID, Hindi nx for India, 333 (Brown). Not listed in VoA sched. Could be Philippines too.-ed. Hrd 11-20.
- 15175 USA KGEI 2100 SS, ID, TC, nx, (Coursey)
- 15185 FINLAND RF 1258* Finnish, ID, 333 (Schwartz); 1400 Finnish/EE, mx, cmntry by M&W G (Wilson 12-22)
- 15190 CONGO RTVC 1730 EE, educational px, ID, 353 (UMDX 12-12); 1908-1925 FF, mx, nx, ID, 333 (Peters 12-18); 2140 Afro rythms, (Tyson-Australia)
- 15200 UNID Afro? African lang tlks by OM & YL 1610, 12/12, Afro mx, 1625, abrupt 1630* 232 (Roberts). RSA?-ed.
- 15230 CUBA RHC 0249 ID by YW under two jammers (tone and roar), P (Stephens 1-9)
- 15245 ZAIRE LV du Zaire 2000 FF, weak 242 (Bowlsby); 2145 Afro rythms (Tyson-Australia)
- 15250 ROMANIA RB 1320-1337 EE, listeners club info, 343 (Jones 1-5); 1510 EE tkl, F (Stephens 11-6)
- 15250 SAUDI ARABIA BSKSA 1637 ID in AA, OM tiking abt Israel (what else), martial mx, 544 (Robins)
- 15250 ETHIOPIA ETLF 0522 AA songs, (Tyson-Australia)
- 15280 USA KGEI 2330 SS, rel px, also hrd 1825, 434 (Brown 1-2)
- 15285 CUBA RHC 1545 SS, LA mx, ID, nx, cmntry, 433 (Brown 11-24)
- 15295 FRANCE ORTF *1545 FF/EE, ID, FF nx, EE to S Africa, G (Stephens 11-6)
- 15315NF BELGIUM RTB 1630, Lang px w/Afro mx, ID, wp/out by HCJB QRM 1630, (Brock)
- 15345 ARGENTINA R Nac 1945 SS, semi class mx, 343 (Zilmer 12-29); 2020-abrupt 2026*, SS, ID, (Wooten-Morocco 11-24)
- 15345 TAIWAN VoFC 0315 EE, ID, mx, 0330*, P (Hicks)
- 15350 LUXEMBOURG RL 1232 FF, ID, 444 (Schwartz); 1644 FF, pops w/DJ, G (Miller 12-22)
- 15350 AUSTRALIA RA 1810 EE, ID, nx, sports, G (Coursey)
- 15355 PORTUGAL RFE 1450 US rock, IDs, 444 (Cwikla 12-23)
- 15355 AUSTRALIA RA 1800 EE, nx, mx, Groucho Marx comedy, 333 (Cwikla 12-25)
- 15360 MOROCCO RTM 1624 AA, ID, AA chants, 333 (Schwartz)
- 15370 SPAIN R Liberty 1700 RR, nx, cmntry, ID, 233 (Cwikla 12-22)
- 15380 RWANDA DW Kigali *2030 GG to Afr, 454 (Graves)
- 15385 ITALY RAI 1641 II. IS (Birds and bells) ID, P (Miller 12-31)
- 15400 ITALY RAI 1851 II, ID, amts, 444 (Schwartz)
- 15415 BRAZIL R Cl Ribeirão Preto 2002 PP, songs and amts, (Tyson-Australia)

- 15420NF ECUADOR HCJB 1740 Lang to Eu., EE ID, //15300, 11945, F-G (Brock)
 15430 USA AFRTS Greenville 1820 EE, nx, sports, features, 434 (Brown 11-20)
 15435 TANZANIA RT 1830 chimes and EE ID, 1833 PP tx, 333, QRM de WYFR, (Robins 12-27);
 UNID suspect RT, 1930 EE ID?, f/o before 2000, v weak 242 (Bowlby 12-19)
 15440 USA WYFR 1830-1835 EE, Billy Graham Crusade, G, //15130 G, (Buehler)
 15440 PHILIPPINES FEBC 2343 mx, mx, into CC at 0000 w EE lang lessons, 333 (Day 1-2)
 15445 JAPAN NHK 2345 very weak, 211, (Mendel, 1-1)
 15460 USSR R Tashkent 1400 RR, M&W tlc, E (Wilson 12-29)
 15475 EGYPT R Cairo 1314 AA play (Tyson-Australia)
 17710VNF ISRAEL IBA EE 1130-1200, FF 1200-1230, to NA, //15130 G, ex 17720v, moved to avoid bad mixing, 50 kw, ads, nx, wx, F (Magne)
 17710NF SWEDEN RS 1400 EE, Christmas px to ENA, ex 21615, 443 (Zilmer 12-25)
 17720 ENGLAND BBC 1200 EE, world and local nx, E (Wilson 12-22)
 17720 FRANCE ORTF 1447-1500 FF, ID, disc. of internat politics, 444 (Schwartz)
 17725 PORTUGAL RFE 1600* ID as "Aici e Radio Europa Libera, US pops, 444, (Robins 12-24)
 17730 MALAGASY RTVM 1530, nx in EE, some FF tlc, FF song, 222 (Brock 1-4); 1530 mixing w/ORTF, (Yamron)
 17735 CUBA RHC 2140 SS, ID, freqs, //17755, G (Coursey)
 17745 USA WYFR 1904-1920 EE, UPI nx, rel px, 444 (Nebrown 12-27)
 17755 CUBA RHC 2140 SS, ID, freqs, //17735, G (Coursey)
 17760 USA WYFR 2040 EE rel px, 454 (Robins)
 17775 UNID Unlisted VoA 1915 EE, w/afro mx, nx, //17875 (Monrovia), (Brown 11-28).
 17780 S AFRICA RSA 1825 GG Church svce, 1852*, unusual rx this time period (Padula-A)
 17785NF S AFRICA RSA 1805-1815 EE, ID, nx, 444 (Schwartz)
 17810 NET ANT RN 1958-2120* DD nx, cmtry, mx in various langs, IS, ID, G (Fino 12-9)
 17820 CANADA RCI 1935-1955 FF, M&W tlc, pops, ID, IS, F-G (Fino 12-9)
 17845 USA WYFR 1815 ID, mx, G (Buehler)
 17875 LIBERIA VoA Monrovia 1940 EE, px to Afr., 444 (Brown 11-28)
 17880 PORTUGAL R Nac 1630 PP, lively European mx, //15125, F (Brock)
 17885 S AFRICA RSA 1802-1812 EE nx, cmtry on UN, ID, G (Buehler); 1835 EE to UK, carols, rare for summer months this time period (Padula-Australia 12-23)
 17895 PORTUGAL R Nac PP, quiet mx, not //17880, 15125, F-G (Brock). Time?
 19860h COLUMBIA R Santa Fe, 4 x 4965 w/ads, ID, SS, LA mx, P (Mayer 12-23). Time?
 21470 ENGLAND BBC 1520 EE WS, 353 (Robins)
 21490 PORTUGAL R Nac 1915 EE, ID, 444 (Schwartz)
 21495 PORTUGAL R Nac 1530 PP tx for Goa (you remember that dont you), 444, (Robins). That is what the WRTH sez.
 21525 USA WYFR 1700, 1900 EE rel px, F (Robins, Agner)
 21535 S AFRICA RSA 1535 Swahili/Tsonga px, ID, 454 (Robins)
 21635NF SAUDI ARABIA BSKSA 1225-1245 AA, mx, amnts, soap opera, (Wootten-Morocco 11-22)
 21675 FRANCE ORTF 1550 FF px, France Inter, I think, 454 (Robins)
 21700 PORTUGAL R Nac 1650 PP px for Sao Tome/Angola, 454 (Robins)
 26040 USA VoA Greenville 1607 EE to Africa, 555 (Mendel 1-1)

Thanks again to all those who contributed. Why don't you send in a report next month. 73 to all,

Jerry A. Lineback

STOP THE PRESS! STOP THE PRESS! STOP THE PRESS!! (Actually we saved this space, hoping we would have some news on the

NASWA CONVENTION NASWA CONVENTION NASWA CONVENTION NASWA CONVENTION NASWA CONVENTION

We have just confirmed the date on the NASWA CONVENTION to be held in Columbus. It will be JULY 19-21, 1974. YOU SHOULD BE THERE! Plans are not yet complete; the date is confirmed in a telephone conversation with Bill Matthews, convention host. The date was chosen in an effort to avoid several possible problems. The date is sufficiently far from July 4, sufficiently far from the end of the month that gasoline problems should be reduced. While it is not possible to pick a date that will find all colleges/schools between terms, in the past the third weekend in July has proved advantageous. Also, the meeting will not interfere with the ANARC convention, whether in Denver or NY (see the ANARC report this month). The date, in fact, avoids the dates of all other DX meetings of which we have knowledge.

We trust that the above eliminates many excuses that might come to the minds of members as the reason they cannot attend!!!....This will be a great opportunity to meet many of the DXers you read about in FRENDEX. YOU WON'T WANT TO MISS IT!!! MORE DETAILS NEXT MONTH!
 * * * * *

BRANCH NOTES We expect to carry branch notes from time to time. But what is a NASWA branch? We encourage the personal contact of members in relatively close distance to each other. A NASWA BRANCH is simply an informal grouping of members in a particular area. There are no dues, no official publications. The groups receive notice in FRENDEX, and we have some special items in the works for these local groups operating as NASWA branches.

DID YOU REPORT TO YOUR FAVORITE FRENDEX SECTION THIS MONTH? SMILES IF YOU DID! FROWNS IF NOT!

What a whopping log report this month.... Would you believe 72 reporters?.. Pity on the Editors, please.... I've changed the format for listing the reporters this month, otherwise it would be impossible to get them on one page.

AGNER, Mike, Waldwick, NJ SX110)...ANDERSON, Julius C., Brooklyn, NY(SX133)
BALL, David R., Downsview, Ont., Canada (DX150A)...BEHR, Ernie, Ottawa, Ont.,
 Canada (R4B/XCR30)...BOWLSBY, Jeff, Vancouver, B. C., Canada(SP600)...BROCK,
 Pauline, Montreal, Que, Canada (SX190)...BROWN, Mark J., Minster, OH (DX150B)...
BUEHLER, Louis, St. Charles, MO (SX100)...BURLEW, Doug, York, PA (SX190)...
CORSON, Kent C., Dubuque, IA (HQ200/A20)...CUSTODIO, Lary, Brooklyn, NY
 (Hallicrafter 520R)...COURSEY, David E., Dallas, TX (DX150A)...CWIKLA, Tom,
 Wethersfield, CT (DX150A)...DAVIS, Bill, Laguna Niguel, CA (Homebrew)...DAY,
 Edward, Auburn, CA...DEXTER, Gerry L., Lake Geneva, WI...EARHART, Kenneth A.,
 Allentown, PA (DX150A/SX190)...ESTES, Steve, Newport News, VA (SX190)...FIELD,
 Marlin A., Benton Harbor, MI (SX100)...FINO, Henry E., Rochester, NY (1936 RCA
 Victor Console)...GENDRON, John C., Arlington, VA (SX190)...GLDXA (Andy Robins,
 Kurt Cox, Harold Reams, et al, SX109/(2)SX28), Kalamazoo, MI...GRAVES, Lee,
 Hardin, MT (R4B)...GUARDUCCI, Ciro, Cassiar, B. C., Canada (Lafayette HA600A)...
HAGEN, Jim, Portsmouth, VA (R390A/URR)...HARDESTER, Mike, Modesto, CA(XCR30)
HAUSER, Glenn, Stillwater, OK (HQ160)...HENDERSON, Dan, Laurel, MD (SX190/HQ180)
HICKS, Stan, San Antonio, TX (DX150A)...JAMISON, Danny, Richmond, VA...JONES,
 Jack R., Jackson, MS...KELLEHER, Robert, Binghamton, NY (R4B/SX190)...KING,
 Donald, Havertown, PA (DX150A)...KORET, Richard, Rochester, NY...LEONHARDT,
 Mac, Richmond, IN (SB-310)...LINEBACK, Jerry A., St. Joseph, IL (SPR4)...LOHE,
 Ernst G., Hamburg, W. Germany (R4B)...MAGNE, Larry E., Philadelphia, PA (R4B)
MARSHALL, Mildred, Devils Lake, ND (SX122)...MAYER, Alan, Park Forest, IL
 (SB-310/DX150B/NC173/A20/BC221AH)...MENDEL, Ron, Skokie, IL (HQ100A)...
MILLER, Albert A., Jr., Youngstown, OH (HRO-500)...NEBRON, Larry, Daly City,
 CA (SX190)...PADULA, Bob, Surrey Hills, Victoria, Australia (Marconi CR100)...
PATTERSON, Carroll R., Decatur, GA (SX-99)...PEDERSEN, Bob, Santa Monica, CA
 (SPR4)...PERDUE, Neal, Millington, TN (SB-313/HA-600A/SW4/Q Box)...
PETERS, Wallace N., Stewart Manor, NY (SB-310/Grundy 6001)...PURSGLOVE,
 Harry, Wenonah, NJ(SX190)...REEVES, Scott, Laurel, MD (SX190)...ROBERTS,
 James E., Winnipeg, Manitoba, Canada (Kenwood 9R-59D)...ROBINS, Andrew,
 Kalamazoo, MI (SX190/SX28A)...ROBINSON, Daniel, Levittown, PA (HQ180C/SPR4)
ROM (Red Oak Mountain, VA DXpedition ESTES, FERGUSON, SHAW)...ROSS,
 Michael, Ronkonkoma, NY (SX190)...SCHNABEL, George, Rochester, NY (SW4)...
SCHWARTZ, Richard A., Dover, DE (SX190/S-108/BC221AK)...SHAW, Edward C.,
 Norfolk, VA(SP-600/SuperX 190)...SLAUGHTER, James, Tappahannock, VA(DX150B)
SMITH, Todd, Wilton, CT (GR64)...SMITH, Wade, Westport, MA...SPARKS, Bill,
 San Francisco, CA (RB4/HQ180A)...STEPHENS, Robert L., Carrollton, GA(SX190)...
TYSON, Craig, Wembley, Western Australia (Trio 9R59DS/BC221)...UMDX- Univ.
 of Manitoba DX SWL Club (B. Hood, J. Roberts, D. Johnson, G. Sapoznikov, F. Renger, and
 C. Henteff)...VALDES, Jeremy Aurelio Forster, Wolfville, N.S., Canada...
WALLACE, Steve, Lewiston, PA (DX150A)...WILSON, Solomon, Philadelphia(SX190)...
WOOTEN, Charles A., US Navy, Morocco (Zenith Transoceanic/SRR-13/R-390)
YAMRON, Larry, Pittsburg, PA (HQ180/SX190)...Young, James W., Wrightwood, CA
 (HQ-100C/HQ-180A)...ZILMER, Robert, Milwaukee, WI (SPR4). Also, a couple
 of late reporters not included in the above list.

* * * * *

Now that we've been able to save so much space, let's waste some with some more
 prize limericks entered in the continuing "DX Limerick" Contest:

An evil old man named Muldoon,	A hot tempered DXer named Bill,
Sneaked around one night in the gloom,	Wrote for veries to show off his skill,
Because of his pliers,	But his anger did arise,
And some bare copper wires,	When he got no replies,
Greenville signed off two hours too soon.	Now, they're reading the Postmaster's will
(Jack Jones, Jackson, MS)	(Rich Koret, Rochester, NY)

o o o (MRL 1/21/74)

LISTENER'S



Just a few comments before we get started with LN this month. Firstly, we wish to welcome DX'er Ed Shaw aboard the editorial staff of FRENEX. Ed, as you folks know, is a top DX'er of the highest class, a fellow Virginian, and a long time friend of mine. The LN staffer is positive that Ed will put 100% plus into his new position as the SWC editors before him have done. In the tradition of NASWA, "Unity and Friend-

Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, Virginia
23225

DEADLINE: 15th

ship", gang, let's give Ed and all other section editors of FRENEX our utmost support! Welcome Ed!! Secondly, many thanks to all of you folks who sent us an Xmas card and sharing the holiday season with us. It was a very kind expression of friendship. Third and lastly, the SPOTLIGHT will continue next month because this month we will have the second LN Special Project in its place. ... and now, how about some listings?

ANTIGUA Work on the joint BBC- DW relay station to consist of three 250 KW transmitters continues. (Richard Wood, LA)

ARGENTINA R Splendid, Buenos Aires, 11880, noted with tangos fm 0600-0700; apparently in all night operation rather than skedl'ed 0400 s/off. (Dr R. Wood)

BELGIUM RTB has made the following

frequency changes:
now 11815 X-11785 fm 0500-0735
11915 X-11880 " "
5985 X-17880 1800-2200
11800 X-11805 " "
6040 X-17860 " "
11930 X-11935 " "
6055 X- 9655 to NA
11920 X-11810 ?

(Dr. R. Wood-LA & Mark Brown-Ohio)

CANADA BBC relay via RCI xmtrs at Sackville is now on both 9740 and 6175 rather than original 9740 only at 2315-0030 w/WS. Relay quality is poor. (Dr, Richard Wood - LA)

CONGO, RP Marty Austin of CT rpts that Voix de la Rev. Congolaise fm
0430-0700 0700-1700 1700-2300
3232 3232 3232
6115 4975 4765 15190
7765 9610 9715

also 1030-1400 on 15190. EE is b/c every Sat fm 0800-1015 .

COSTA RICA New freq of TIFC Faro del Caribe consistently noted as 6175. In Eng at 0400, s/off varies around 0415-0430. Usual 9645 //. (Dr. R. Wood-LA)

COLOMBIA R. Nacional, Bogota, has stabilized previously drifting 9635. Noted throughout the day, generally fm 1100-0500. (Dr. Richard Wood - LA)

FRENCH GUYANA ORTF-Cayene is skedl'ed fm

0900-2100 on 6170 (Sun's 2100-0200)
0900-0200 4972 (Sun's 1000-0200)
2100-0200 3385 (Sat's 2100-0300)
(thanks Ed, Ed Insinger-NJ)

GREENLAND was noted w/IS at 1455 on 11745; into Danish pgm'ing at 1500. Hrd past 1510. (Ed Insinger - NJ)

GHANA John Creamer, Denver, Co., rpts that the Ghana B/C'ing Corp has EE to NA fm 2000-2100 on 11850. Also to other areas fm 1445-1530 on 15285, 21545; fm 1400-2215 on 6130; fm 2045-2215 on 9545; fm 1645-1730 & fm 1815-1900 on 15285.

JORDAN A partial sked received fm R. Aman lists operations fm 1100-1230 on 7155 and fm 1600-1730 on 9560. (howdy Tom Tom Cwikla, CT)

LATVIA Swedish xnsms fm Riga are b/c on every Tuesday, Thursday, Sat., and Sunday. The b/c is aired fm 2230-2300. But on Tuesday, Thursday, and Saturday the xnsms is also b/c fm 2120-2150. On Sunday Riga is skedl'ed also at 0900-0930. All b/c's are transmitted on 5935. (Tom Cwikla - CT)

MOZAMBIQUE R. Clube de Lourenco Marques "A" service in Port. noted on 11819, a slight drift fm nominal 11820. EE/Afrikaans ID's noted on 11780 at 0600-0700. (many thanks Richard ... Dr. Richard Wood)

PORTUGAL Voice of Hope, Lisbon, noted on 9670 with Eng and French ID's, then German program at 2100. (Dr. Richard Wood)

SOUTH AFRICA Eng fm Radio RSA to NA now begins at 2230 rather than previous 2330, and lasting till 0240. French to Canada still begins at 0245 but extended to close at 0335. Both on 11970, 11900, 9695, 9585. Dr. Richard Wood)

SPANISH SAHARA Radio Sahara lists the following schedule: (Ed Shaw, Virginia)
Spanish fm 0559-0800, 1100-1900, 2100-0115 on 7230 and 4626
Hassania and Arabic fm 0800-1100, 1900-2100 on 7230 and 4626

ZAMBIA RADIO ZAMBIA, Luaake, noted on new 11650 with news in Eng at 0800-0815 f/by a story. Do not confuse w/R. Ghana. (Dr. Richard Wood -LA)

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

- 4660v PATHET LAO - CLAND
- 4690 UNID ASIAN
- 4698 RRI SURABAYA, JAVA
- 4700v R SAN MIGUEL, BOLIVIA
- 4701 R PYONGYANG, N KOREA
- 4710 UNID RUSSIAN
- 4719 UJUNG PANDANG, S-C
- 4725 BBS, BURMA
- X 4733 AZAD KASHMIR
- 4740 R MALE, MALDIVE ISL.

- 6200 R TIRANA, ALBANIA
- 6210v RNI, INTERNAT'L WATERS
- 6218 LV de la LIBERTAD, DR
- 6225 R PEKING
- 6233v R PAKISTAN
- 6240 R LIBERTACAO -CLAND.
- 6250 R SANTA ISABEL, EQU. GUINEA
- 6250 R PYONGYANG, N KOREA
- 6255 AUSTRIAN ARMY STA.
- 6260 RRI MANOKWAR, WI
- 6260 SINING, CHINA
- 6265 UNID RUSSIAN
- 6270 R PEKING
- 6280 RRI MANOKWARI, WI
- 6290 R PYONGYANG, N KOREA
- 6295 R PEKING
- 6320 UNID CHINESE
- 6322 UNID ASIAN
- 6355 UNID ASIAN
- 6340 R PEKING

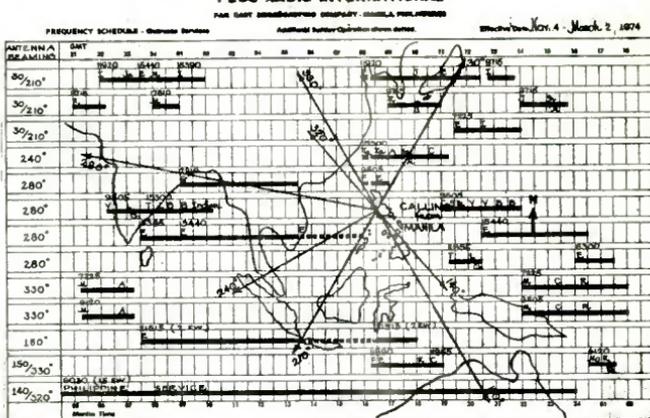
X 6340 ANKARA POLICE RADIO, TURKEY

- 6345 R PEKING
- 6380 UNID ASIAN
- 6383 R ULAN BATOR, MONGOLIA
- 6383 VIET BAC, N VIET NAM
- 6392 R NAC CONAKRY, GUIN.
- 6395 UNID ASIAN
- 6400 R PYONGYANG, N KOREA
- 6430 R PEKING
- 6500 SINING, CHINA
- 6520 R PEKING
- 6540 R PYONGYANG, N. KOREA
- 6550 R PEKING
- 6560 R PEKING
- 6565 UNID ASIAN
- 6575 R PEKING
- 6576 R PYONGYANG, N KOREA
- 6577 UNID ASIAN
- 6590 R PEKING
- 6600 R PYONGYANG, N KOREA
- 6610 R PEKING
- X 6620 HANGCHOW, CHINA
- 6645 R PEKING
- 6665 UNID ASIAN
- 6707 UNID ASIAN
- 6750 R PEKING
- 6790 R PEKING
- 6796 UNID ASIAN
- 6825 R PEKING
- X 6841 HUHEHOT, INNER MONGOLIA
- 6900 V. METEOROLOGY, TURKEY

RADIO COMPONENTS COURSE

Radio Nederland will institute a new RADIO COMPONENTS COURSE compiled by Jim Vastenhoud beginning on the March 7, 1974, DX Juke Box. For more technical DX'ers, the course will deal with many subjects not found in most manuals. Enrollments is open now. There is no charge for the course. Write to DX Juke Box, Radio Nederland, P.O. Box 222, Hilversum, Holland. Enrollment is open now. (Ed Shaw - VA and ANARC NEWSLETTER)

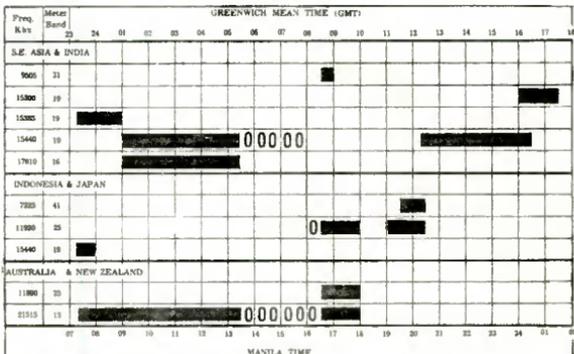
FECB RADIO INTERNATIONAL



LANGUAGE ABBREVIATIONS: A—Amey, B—Burmese, C—Cantonese, D—Dutch, E—English, F—French, G—German, H—Hakka, I—Indonesian, J—Japanese, K—Korean, L—Lao, M—Malay, N—Nepali, O—Ojibwa, P—Portuguese, Q—Quechua, R—Rumanian, S—Spanish, T—Thai, U—Urdu, V—Vietnamese
 BEARING CODE: WEST (W) 000° (W) 090° (W) 180° (W) 270° (W) 360° (W)
 All transmitted in S.W.

FECB ENGLISH TRANSMISSION SCHEDULE
 For The Period: November 4, 1973-March 2, 1974

PENNANTS Two radio stations which do not seem to readily send out pennants to English language listeners are the ORTF and the BBC. However, the Spanish section of these two radio stations quickly send one. The same is likely true of other shortwave radio stations. What is not offered by one language department of a station may be offered by another. So do not stick to reporting in just one language. Report in another language to one of your favorite stations. You may be surprised by what you get. (many thanks Jeremy ...J.A.F. Valdes, Nova Scotia)



LEGEND: [Black Bar] Daily English Transmission; [00] Sunday Transmission Only
 (thanks is extended to Ed Insinger of NJ for sharing the graphs from FECB with us)

GREAT CIRCLE CHARTS Great Circle charts of the world are useful when orienting shortwave antennas. The charts show actual compass directions over the "great circle" (as the crow flies) to any point on the earth. If you are unable to find a Great Circle chart locally, they are available from ARRL, 225 Main Street, Newington, Conn. 06111. (Ed Shaw - VA)

RADIO KUWAIT WAVES ON WHICH EUROPEAN (ENGLISH) IS TRANSMITTED

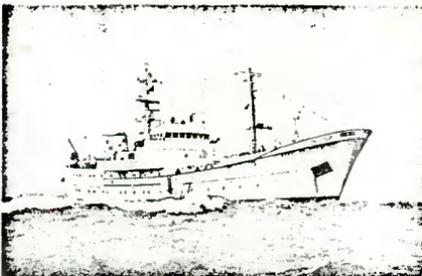
From 1.3-11-1973 to 3.3-1974

Time	Begins	Ends	Target
0730	19m (15345KHZ)		Ind. Pak. & Sri Lanka
1000	End of Morning session		
1930	19m (15341KHZ) 31m (9735 KHZ)		Europe Ind. Pak. & Sri Lanka
2300	19m (15341KHZ) 31m (9735 KHZ)		Europe Ind. Pak. & Sri Lanka
0200	End of the session for the day (Tom Cwikla - CT)		

TAPED REPORTS Postal Service Manual, Title 39 of the Code of Federal Regs cuts the DX some slack when sending a taped report. Taped reports may be sent as a "combined package" as defined in ART 22.7 of the Code of Fed.Regs. A combined package is a regular airmail letter firmly attached to a second envelope containing the taped report. The first letter goes for the regular 17¢/21¢ per half oz. rate and the second envelope goes for the "A.O." rate depending on the country. In any case, a typical four oz. taped report will go for nearly half of what you have been paying. Your bonified communications letter would go in the first letter and firmly attached. The tape goes as merchandise in the 2nd ltr.

RADIOPERIODS

Times (GMT)	Frequencies
0645-0655	136m/2201kcs
0730-0740	129m/2316kcs
0830-0840	136m/2201kcs
1015-1025	136m/2201kcs
1030-1040	129m/2316kcs
1245-1255	136m/2201kcs
1315-1325	129m/2316kcs
1415-1425	136m/2201kcs
1430-1440	129m/2316kcs
1845-1855	136m/2201kcs
1930-1940	129m/2316kcs
2030-2040	136m/2201kcs



INTERNATIONAL WATERS

The not often hrd hospital ship, "De Hoop", (right) has kindly sent their current operating sked to LN. "De Hoop" sails the NW-European waters and is classed as a fishery support ship.

The ship "renders medical technical, electotechnical, navigational, and spiritual assistance to all fishermen." (ref: 1973 WRTH) (Dan Jamison - VA)

The ship is at sea the following days:

7-1-1974	until	25-1-1974
31-1-	"	22-2-
1-3-	"	22-3-
29-3-	"	12-4-
19-4-	"	4-5-
11-5-	"	31-5-
7-6-	"	2-7-
11-7-	"	5-8-
14-8-	"	6-9-
13-9-	"	3-10-
10-10-	"	30-10-
6-11-	"	27-11-
4-12-	"	20-12-

USSR UPDATE: FAR EASTERN SOVIET HOME SERVICE
NASWA's expert on Soviet b/c'ing, Bill Davis of Calif., has made the following observations in order to update his Soviet Chart which appeared in December's LN. Freq's not mentioned remain unchanged.

4030 now off at 1500
4050 now off at 1400
4395 now off at 1600
5900 apparently no longer in use; not heard for a couple of weeks
5930 also appears to be gone
5940 Magadan - S/on 1700; Mayak pgm to 1800; then local RR to 1900; // 7380, 9500, 12240

6090 NF (maybe the old 6070 xmtr ...(?)) s/on 1630, f/out 1800 on WCNA
7275 0400 f/in; off at 0630 - all Mayak pgm'g
7280 on 1430; off 1530; Wed., Fri., Sat., Sun. w/Pac Fishing Fleet Pgm
9575 now s/on 2400; all Mayak pgm'g
9780 on 1430; off 1530; Wed., Fri., Sat., Sun. w/Pac Fishing Fleet Pgm; has dropped the "early on" Mayak pgm from 1400-1430.

ADDITIONAL SOVIET LISTINGS:

4761 location unknown - hrd fm abt 1330-1600 f/out

ISRAEL BROADCASTING AUTHORITY

OVERSEAS SERVICE

Fr: 2x30 kw, 1x100 kw, 1x50 kw, 1x45 kw, 4x20 kw

21580(7)	15140(1)	11725 (300)	9495 (20, undermod)	6205 (45)
17815 (45)	15130 (300)	11700 (300)	9450(1)	6170 (20)
17710 (50)	15100 (20)	10530(1)	9009 (50)	1466
15640 (300)	12950 (100)	10240 (20)	7280(1)	1025 (local)
15295(1)	12000 (300)	9785 (300)	7135	737
15245(1)	11745(1)	9625 (100/20)	7095 (300)	674 (local)

5260 poss Alma Ata - wk at 0100-0400 f/out; also fm 1400-1630 f/out
5291 Krasnoyarsk, wk fm abt 0100-0430 f/out

ISRAEL Larry Magne - PA has put together the sked of IBA. Larry advises that reports are greatly appreciated and may be addressed to: IBA, Mr. V. Grayevsky, Director of External Broadcasting, IBA, P.O. Box 1082, Jerusalem, Israel.

Furthermore, Charlie Wootten - Morocco, says that IBA now has a DX Pgm entitled "Calling All Listeners". The pgm is aired on Sat's at 2030.

In closing, I would like to thank our contributors this month for their fine and loyal support. Your support is greatly appreciated gang, keep up the fine show!

73 and Happy Listening,

Ken

NEXT MONTH: SPOTLIGHT and another LN - SPECIAL PROJECT -

Hebrew Home Service Relay

0000-1730	Hebrew	12050 kHz	**To North America & Europe
0035-0255	Hebrew	9495, 9009, 7095*, 6205, 6170 kHz	**To Iran
1730-1850	Hebrew	9625 kHz	***To South Africa
1800-1830	Ladino & Megrebit	9625 kHz	****To North Africa & France
1830-2400	Hebrew	9625 kHz	whenever at Arabis HE Network
2300-2350	Hebrew	9785, 9495, 9009, 7095*, 6205, 6170 kHz	**To South America/Isat

QSL Report

EDITOR

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



DEADLINE: 12th of month
TEL: (412) 361-6832

QSLs RECEIVED FEBRUARY 1974

Another extremely fine month for QSLs. Many interesting verifications have been received from Latin America, Africa, and Asia. Those of special interest are: Radio Fides, Radio Eco, Philippines Broadcasting Corp, 3286, Pakistan Regional Station Quetta, and Turks Island Radio. Letters from Radio Capital in Costa Rica have been received by many Dxers.

Inflation hits Dxers! The price of Int. reply coupons have risen to 26 cents.

Radiodiff. Venezuela would be very grateful to anyone sending them a design for a QSL card. Station slogan is: 'La Estacion de Alegria' Send to V/S. Antonio Cajade, Gerente Ventas.

(Ernst Lohe, W.GERMANY)

Ondas del Darien wants reports for the new station "Brisas del Citara" Send reports to: Emisoras Brisas del Citara, Carrera 34, No. 21-15 Quibo-Chocco, COLOMBIA.

SCOREBOARD: Deadline for Scoreboard has been changed to February 15th. All totals that have not been updated will not be included. SPOTLIGHT IS EUROPE.

✓ ANGOLA: R. Ecclesia, PP Letter w/no data in 15 days for 2 IRCs and post card. (Foxx)

AUSTRALIA: R. Australia, 11765, card w/full data in 17 days air for mint stamp. (used)(Stuart). Map card w/all data in 89 days, no IRCs. (Stephens)card in 4 months for 2 IRCs. (Sigler)

ABC, Brisbane, 4920, map card w/all data in 6 weeks, 2 IRCs. (Wootten)

ABC, Sydney, 6090, card air in 3 weeks for 1 IRC. (Graves)

VNG Time Station, 7500, full data folder card, 28 days, 2 IRCs. (Sigler) 12000, folder card in 71 days for 2 IRCs. (Foxx)

✓ BANGLADESH: R. Bangladesh, 11650, card w/all data in 20 days for 5 IRCs and registered report. (Marshall)

BELGIUM: ORU, 9655, map card w/full data, 6½ months for 1 IRC. (Wilson)

✓ BOLIVIA: R. Altiplano, 5045, card for SS report in 1 month for mint stamps. (Lohe)

R. Fides, 4845, SS letter w/no data, pennant, V/S. J.M. Lop. (Foxx)

BOTSWANA: R. Botswana, 4845, 'Giraffe' card w/freq. only, 7 months for aerogram. (Brown)

BRAZIL: R. Aparcida, EE card w/full verif. and pennant, V/S. Waldomiro Jose Fontanari, 43 days for PP report and mint stamps. (Foxx)

R. Brasil Central, 4995, full data form letter in 8 weeks for PP report and mint stamps. (Wootten)

R. Clube Pernambuco, 11865, no data card from V/S. Louey R. Mooreira, 69 days for EE report and mint stamps. (Stephens)

R. Difusora do Maranhao, 4755, form letter from V/S. Jose Marinho Raiol Filho, Sez that tape recordings at 7½ ips will be gladly accepted and returned with folk music.

R. Ministerio da Educacao, friendly letter in EE from V/S. Armando Troja, Director 7 weeks after 4 f/ups, mint stamps. (Lohe)

R. Nacional de Brasilia, 9655, full data card and pennant, 1 month. (Cox) full data card and pennant in 43 days for PP report and mint stamps. Also tourist info. (Foxx) PP letter and QSL card, pennant in 5 weeks for mint stamps. (Lohe)

R. Rural Brasileira, 15105, letter in 4½ months for PP report and mint stamps. V/S. Glória da Silva, Sec. (Lohe)

BULGARIA: R. Sofia, 9700, card w/full data and pennant, 5 months for no IRCs. (Brown) card w/all data in 23 days for 3 IRCs. (Sigler)

CANADA: R. Canada Int., card w/all data in 2½ months. (Brown) World Dx Friendship Card in 6 weeks, no IRCs. (Wootten)'Window Of The World' card in 34 days, no IRCs. (Mayer) card w/full data in 1½ months surface. (Stuart)

CBC Far North Svc, 15190, 'Eskimo' card in 34 days for 1 IRC. (Foxx)

CENX, 6130, card w/date and freq. in 9 days for tape report. (Foxx)

Over and Out by rodrigues.



"Senor, we acknowledge your reception report. Along with our QSL card may we show you a little of our country's folk dance."

Quito, 13 de Noviembre /73

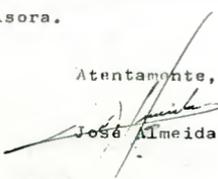
Señor
Johnson Wdx6J
USA.

Estimado señor Johnson:

Agradezco mucho por su reportaje de sintonía y - esperamos tenerle siempre como oyente.

Adjunto le enviamos un banderín recordatorio de esta Emisora.

Atentamente,


José Almeida

GGA.

Radio Quito, la Voz de la Capital del Ecuador, ciudad joya de arte colonial en la cima de los Andes y en la mitad del mundo.



Thanks for your kind letter and good report. We hope to keep you always as a listener and as a friend.

Gracias por su amable carta y óptima sintonía. Esperamos tenerlo siempre como oyente y como amigo.

Merci pour votre lettre gentille et pour votre bon écoute.

Nous espérons de vous garder tous jours comme notre auditeur et comme notre ami.

Muito obrigado por sua amavel carta y ótima sintonia.

Esperamos que sempre seja noso ovinete e amigo.

APARTADO 57

QUITO - ECUADOR S. A.

CAMEROON: R. Garoua, 5010, full data map card in 31 days for FF report and 1 IRC. (Mayer) map card w/all data in 1 month for FF report, 1 IRC. (Cox)

CHAD: Radiodiff. Nationale Tchadienne, 4904, card w/all data in 3 weeks for EE report, 2 IRCs. (Gendron)

CHINA P.R.: R. Peking, full data card in 1 month, no IRCs. (Edelson) card, sked, and red/green/and white pennant, 159 days. (Foxx)

CHILE: R. Nac de Chile (formerly R. Corporacion) 15150, card w/all data from V/S. Gustavo Heitmann S., 2½ months air for mint stamps. (Duba)

CLANDESTINE: R. Espana Independiente, 'Picasso' card in 2 months from Paris. (Wooten)

COLOMBIA: Emisora Atlantico, 4905, letter for tape report and visit at station. (Lohe)
Ondas del Darien, 6082, letter from V/S. Javier Betancourt G, 3 weeks for SS report and mint stamps. (Lohe)
R. Bucaramanga, 4845, letter w/freq. only, pennant, 53 days for NASWA SS report and mint stamps. (Hamilton) letter w/freq. pennant, V/S. Lana V. Avauanza, 21 days for SS report and mint stamps. (King)
R. Colosal, 4945, letter w/all data except time plus beautiful blue pennant for SS report, mint stamps and post card. Report was made on transmission in SS for listeners in Finland! 3½ months after 5 f/ups, V/S. Jorge Enrique Sánchez, Dir. Artístico. (Lohe)
R. Continental, 6125, letter in 5 weeks for SS report, mint stamps. V/S. Antonio Pardo García. (Lohe)
R. Mira, 6015, nice letter in 5 weeks for SS report and mint stamps. (Lohe)
R. Nacional, 4955, card in 97 days for 1 IRC. (King)
R. Neiva, 4855, friendly letter, 3 cards, one showing R. Neivas crew plus info on Huila, SS report, mint stamps, 2 weeks. V/S. Josefina Sanchez Valderrama, Sec. (Lohe)

CONGO REP: RTV Congolaise, 4765, full data FF letter for tape report and 3 IRCs, 3½ months (Henderson) 15190, FF letter in 3½ months for 2 IRCs and FF report. (Plum)

COSTA RICA: R. Capital, 4832, SS letter w/no data in 4 months. (Austin)
Letter from V/S. Stra. Lorena Alpizar, 11 months for 2 IRCs. (Castello) letter in 1 month air. (Dexter)
R. Casino, 5954, card and pennant in 240 days for EE report and 1 IRC. (Foxx)
long green card and pennant in 199 days for EE report, 2 IRCs. (Hamilton) card and pennant in 6½ months for SS report and mint stamps. (Lohe)

TIFC, 9645, card w/all data in 25 days for SS report and mint stamps. (Foxx)

Radio Reloj, 6006, letter from Lorena Alpizar, no data. (Plum)

**RADIO
BUCARAMANGA**

ONDA COSTA 4845 KCS.

ONDA LARGA 1030 KCS.

FM 965 Mc.

BUCARAMANGA (COLOMBIA)

CUBA: Voice of Vietnam via R. Havana, letter in 16 months, no IRCs. (Hamilton)
CZECHOSLOVAKIA: R. Prague, 11990, full data 50th Anniversary card, 2 months, no IRCs.
 (Fino) card in 5 months, 2 IRCs. (Sigler)
 CLB5 Time Station, 3170, card w/all data via registered mail in 36 days
 for aerogramme report. (Foxy)

DOMINICAN REP: R. Hin, 4910, card in 9 weeks after f/up w/SASE (not used). (Ball)
 Las Fuerzas Armadas, 4825, card w/date only after 3 f/ups w/IRCs. (Foxy)
 R. Santiago, 3406, card w/date, freq, and veris statement, in 2 years! plus
 1 month, for SS report, mint stamps. V/S. Lida de Moscoso, Vice Pres of station. (d'Adolph)



ECUADOR: R. Iris, nice letter for f/up, SS report, mint stamps, 6 months total. (Lohe)
 R. Rio Amazonas, 4870, EE letter from Jim Hedlund w/all details. (Patterson)
 R. Quito, 4923, folder card w/no data and pennant, 10 days for 1 IRC. (King)
 HCJB, Voice of the Andes, full data card in 52 days for 2 IRCs. (Edelson) card in
 7 months, 3 IRCs. (Sigler) 'Oil Exploration' card in 26 days for 2 IRCs. (Foxy)
EGYPT: R. Cairo, 'Bridge' card w/all data in 86 days air for no IRCs. (Schwartz) 9475,
 card in 3 months w/full data, no IRCs. (Mendel) card in 8 weeks, no IRCs. (Earhart)

FINLAND: R. Finland, 15185, 'Winter in Finland' card w/all data in 2 weeks, no IRCs.
 (Earhart) full data card in 1 month, no IRCs. (Wootten)

FRANCE: ORTF, 15155, full data card plus diploma denoting "faithfull listening" to ORTF,
 7 weeks, no IRCs. Also states that no pennant available for awhile. (Wootten)

GERMANY GDR: 'Stimme der DDR', 7260, card w/all data in 24 days for GG report. (Lohe)
GERMANY GFR: Bayerischer Rundfunk, 6085, full data card in 3 months for 3 IRCs. (Wootten)
 Deutschlandfunk, full data card in 1 month w/pennant and station pin. (Wootten)
 Deutsche Welle, multi colored card and pennant in 9 months for no IRCs.

(Hamilton) cards w/all data in 8 months for no IRCs. (Earhart)

GHANA: R. Ghana, 4915, full data card in 4 months, 1 IRC. (Hamilton) 4915, card and sked
 in 210 days, no IRCs. (Foxy)

GREAT BRITIAN: BBC, 'Thames' card w/no data, 3 weeks, no IRCs. (Wootten) 25650, no data
 card in 18 days, 2 IRCs. (Sigler)

GREECE: E.I.R.T., 17780, full data card in 6 months for tape report and 4 IRCs. IRCs were
 returned along with personal letter and sked. (Wootten)
 VOA Kavala, card in 22 days, no IRCs. (Hamilton)

GUATEMALA: TGNA R. Cultural, 5955, card w/all details from V/S. Wayne Berger, Eng. 45 days
 for SS report. (Foxy)

HAITI: R. 4VEH, 11835, 'Memorial' card w/all data in 7 weeks for 2 IRCs. (Earhart)
 R. Citadelle, 6142, full data letter from Denis Bastien in 7 months after f/up,
 FF report, mint stamps, and Stereo Magazine sent to his father Prof. Bastien. (Lohe)

INDIA: AIR, 11810, card w/all data in 8 months for 1 IRC. (Hamilton)

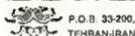
INDONESIA: Celebes-RRI Menadoo, 5987, full data II letter in 3 1/2 months for mint stamps
 and registered report. (Marshall)

Java-RRI Surakarta, 4932, RRI card w/full data and 2 skeds, 10 weeks for
 NASWA II report and mint stamps. (Henderson)

INTERNATIONAL WATER: R. Nordsee Int, card w/no data in 3 months, 2 IRCs.

IRAN: Voice of Iran, 9022, full data card in 7 months for 3 IRCs. (Wootten)

NATIONAL IRANIAN RADIO & TELEVISION



"THE VOICE OF IRAN"

Verification Of Reception Report

DEAR Mr. Yamron,

THANK YOU FOR YOUR REPORT DATED **July 28th, 73** OF OUR **Persian**

TRANSMISSION ON **15084 KHZ** FROM **19.30** TO **19.45**GMT.

WE FIND YOUR REPORT IN AGREEMENT WITH OUR RECORDS.

SINCERELY

FOREIGN PROGRAMMES NIRT

Radio Television Center Shiraz

ISRAEL: IBA, 15165, full data in card in 30 days after f/up, 3 IRCs. (Marshall) 17870, full data card in 4 months, 2 IRCs. (Wootten)

ITALY: RAI, cars w/all data in 7 weeks, no IRCs. (Earhart)

RAI-Caltanisetta, 6060, full data card in 2 months sean 2 IRCs. (Lohe)

IBF Time Station, Turin, full data 'Clock' card in 2 weeks, 2 IRCs. (Wootten)

IVORY COAST: R. Abidjan, 11920, 'SWL' card in 6 months for 3 IRCs. (Plum) full data card in 22 days, no return postage. (Schwarz) 'SWL' card in 1 month after 2 f/ups, FF report and mint stamps. (Marshall) card in 23 days, EE report. (Cox) card w/all data in 210 days after f/up w/FF report, 3 IRCs. (Foxy)

JAPAN: R. Japan, 17825, card in 9 days, sked, via airmail. (Meehan)

Far East Network, 3910, full data blue/white card in 16 days, mint stamps. (Stuart)

JORDAN: R. Jordan, 7155, card w/all details in 3 weeks, 2 IRCs. (Gendron)

LIBERIA: ELWA, 11940, full data 'Drummer' card in 3 months, EE report, no IRCs. (Cox)

LUXEMBOURG: R. Luxembourg, 6090, full data antenna card in 1 month, no IRCs. (Cox) antenna card w/all data in 50 days after f/up w/mint stamps. (Stephens) card in 36 days for 1 IRC. (Foxy) antenna card w/all data in 6 weeks for 1 IRC. (Brown)

MALAGASY REP: R. Nederland relay, 15195, card in 16 days w/all data, 1 IRC. (Hamilton)

MARTINIQUE: CRTF, Fort de France, 3315, 'Beach' card w/full veri in 21 days for FF report and 2 IRCs. (Foxy)

MAURITANIA: RNM, 4850, map card and sked in 40 days air for FF report and 2 IRCs. (Schwartz)

MONACO: TWR, 9640, full data card in 4 months, no IRCs. (Wootten)

MOROCCO: RTVM, 11735, folder card w/verie staement in 10 weeks, 2 IRCs. (Earhart) no data folder card in 73 days sea for EE report and 1 IRC. (Mayer)

VOA Tangier, card in 36 days, no IRCs. (Hamilton)

NETHERLANDS ANT: R. Nederland, 11730, 'Royal Family' card in 27 days air, 2 IRCs. (Hardseser)

NIGERIA: Voice of Nigeria, 4990, full data card in 3 weeks, returned my IRCs. (Wootten)

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Telejona 2763
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1.295 kc/s

90 mc/s FM

95 mc/s FM

P. O. BOX 594

RADIO

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BEIRA - P. E. A.

OKINAWA: VOA, 7255, antenna card w/all data in 8 days surface, no IRCs. (Stuart)

PAKISTAN: R. Pakistan, Quetta, 3270, prepared card returned w/power and date. Power listed as 10 kw. 1 month air for EE report and mint stamps. V/S. Jamil Ur Rahman, Eng. Manager. (Henderson) good catch Dan!..Ed.

PARAGUAY: Emisoras Paraguay, 6025, letter in 1 month from V/S. G. Halley Mora, Dir. mint stamps and SS report sent. (Lohe)

PERU: R. Eco, 5010, letter and card for SS report submitted by friend at the station, from V/S. Tito Rodriguez Linares, Director Artístico y Comercial. (Lohe)

R. La Cronica, 9520, letter in 3 months after f/up submitted at station by friend. (Lohe)

R. Nacional del Peru, 9562, SS/EE letter for SS report submitted at station by friend, also received red pennant, V/S. Eduardo N. Lindley, Sub-Dir. (Lohe)

Radio Quillabamba, 5025, letter, post card and beautiful pennant for SS report and mint stamps in 4 weeks. (Lohe)

PHILIPPINES: FEBC, 15440, 'Anniversary' card w/all data in 10 weeks for 3 IRCs. (Earhart) 15440, card w/all data and sked in 2 months for 2 IRCs. (Yamron)

Voice of Philippines, 9580, full data card and pennant in 133 days air for EE report and 1 IRC. (Mayer)

PBC, 3286, letter w/date, freq and veri statement in 46 days for EE report and 3 IRCs. 2.5 kw! First in N.A. (Henderson)

PORTUGAL: R. Portugal, 6025, card in 2 months for no return postage. (Brown)
IRBA, 9670, full data globe card in 1 month, no return postage. (Cox)

ROMANIA: R. Bucharest, 5990, full data 'Hotel' card in 3 months, no IRCs. (Wootten)

RWANDA: Deutsch Welle, Kigali, 7225, full data map card in 4 months for 1 IRC. (Stuart)

SENEGAL: R. Senegal, 7210, 'Banjo' card w/all data in 47 days for 2 IRCs and FF report.

SEYCHELLES: FEBA, 11955, map card w/all data in 2 months w/sked, V/S. (Hardester)
Mary Berry. (Cox)

SIERRE LEONE: RSL, 5980, full data letter and sked in 19 days for 2 IRCs and EE report.
V/S. E.P. Roberts. (Cox)

SOUTH AFRICA: RSA, full data 'Giraffe' card in 1 month for no return postage. (Wootten)
11975, card in 3 weeks, no IRCs. (Graves)

SABC, 4790, full data card in 1 month w/sked, 2 IRCs. (Wootten)
SPAIN: RNE, 11775, full data card and pennant in 1 month. (Wootten)

TAHITI: R. Tahiti, 15170, 'Thumbs Up' card in 3 months after f/up, no IRCs. (Nebron) full data card w/sked in 7 months for FF report, 2 IRCs. (Schwartz) full data card in 8 months for EE report and 2 IRCs. (Cox) card w/all data in 22 days for EE report, 3 IRCs. (Stepens)

TAIWAN: VOPG, 15260, 'Urn' card w/all data in 3 months, also sked and pennant. (Cox)

TOGO: R. Togo, 5047, map card w/all details in 1 month for EE report. (Cox)

TURKEY: VOT, full data card in 4 months, 2 IRCs.

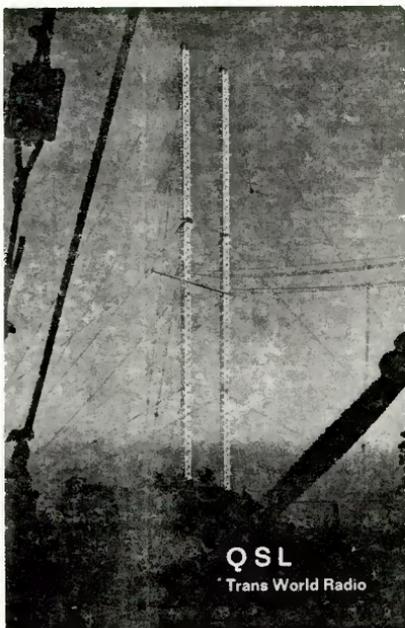
(Wootten) 11880, card w/all data, sked, in 6 weeks for 1 IRC. (Brown)

UKRAINIAN S.S.R.: R. Moscow via Kalanin, full data card w/site in 1 month for 15470, no return postage. (Hamilton)

R. Kiev, 11900, full data card in 4 months for EE report. (Marshall)
7150/11900, cards w/all data in 2 months air, 1 IRC. (Fino)

UNITED STATES: KGEL, 9585, 'World' card, pennant and station info, in 1 month for 2 8¢ stamps. (Meehan)

WVV, full data folder card in 9 days. (Stuart)
WYFR, 17845, full data 'Microphone' card in 39 days for 8¢ stamp. (Mayer)
11855, card in 27 days air. (M.Marshall) 11950, 'Microphone' card w/all data in 15 days. (Poxx) 17760, card in 3 weeks. (Dexter)



VATICAN: Vatican Radio, 5995, color photo card in 36 days for 1 IRC. (Foxy) 9645, card w/all details in 2 months for 1 IRC. (Earhart)

VENEZUELA: Ecos del Torbes, letter and pennant from V/S. Gonzalez Guerrero in 2 months for tape report and mint stamps. (Stephens)

Radiodifusora Venezuela, 4890, letter from Antonio Cajade, for report given at station. (Lohe)

R. Liberator, 3245, veri note on folder card for report submitted at station. (Lohe)

Radio Mundial, 5050, card and record for report submitted at station after f/up. (Lohe)

R. Rumbos, 9660, 'Oil' card in 5½ months, 2 IRCs and EE report. (Brown) 4970, full data card in 8 months. (M. Marshall) 4970, full data card in 9 months for post card and 1 IRC. (Hamilton)

R. Sucre, 4960, prepared card in 3½ weeks from Director in 3½ weeks. (Lohe)

R. Tropical, 4870, full data letter and pennant for SS report submitted at station, V/S. Angelo Grasso, Presidente. (Lohe)

R. Universo, Network card w/freq. and date, station sticker in 30 days for 1 IRC. (King)

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ROGER BARAHONA G. & HNOS.. S. A.

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SAN JOSE, COSTA RICA

RADIO RELOJ

RADIO EXITOS F. M.

RADIO CAPITAL

WINWARD ISLANDS: R. Grenada, prepared card in 17 days for 2 IRCs. (Foxy) 3300, full data letter for EE report after 5 f/ups, 3 weeks after last report. (Lohe)

ZAIRE: La Voix de Zaire, 15245, verie letter from V/S. Mabumba Bulisi, Dir. Technique. 2 months after 2nd f/up. (Lohe)

-THANKS TO THIS MONTHS REPORTERS-

Marty Austin, Connecticut
Mark Brown, Ohio
George Castello, California
Kurt Cox, Minnesota
Steve d'Adolph, N. Dakota
Gerry Dexter, Wisconsin
Mark Duba, Vermont
Ken Earhart, Pennsylvania
M. Edelson, New Jersey
Henry Fino, New York
Charles Foxy, Virginia
John Gendron, Virginia
Lee Graves, Montana

Alan Hamilton, CANADA
Mike Hardester, California
Dan Henderson, Maryland
Don King, Pennsylvania
Ernst Lohe, GERMANY W. *
Alan Mayer, Illinois
Larry Marshall, California
Mildred Marshall, N. Dakota
Jim Meehan, California
Larry Nebron, California
Carrol Paterson, Georgia
W.J. Plum, New Jersey
Richard Schwartz, Delaware

Karl Schwarz, Indiana
Mark Sigler, New Jersey
Robert Stephens, Georgia
Jerry Stuart, Oklahoma
Charlie Wooten, MOROCCO
Larry Yamron, Pennsylvania
Illustrations courtesy of:
Steve d'Adolph, Don Johnson,
Arthur Smith, Richard
Schwartz.....

REMINDER! Deadline for Scoreboard is February 15th. SPOTLIGHT IS EUROPE. All totals must be updated.

REQUEST: Illustrations for QSL REPORT. Qsl cards, pennants or letters, (original or copy) Please enclose return postage if you want original returned.

SUPPORT FRENDX THE ONLY SWBC JOURNAL!!

*All of Emie Lohe's reports were made in US, except for Radiodiff. Ven, R. Libert., R. Mundial and Radio Tropical. All reported from South America.

Best of Dx until March,

73's,

Larry
Lawrence Yamron

73 from

NASWA

BOX 8452
So. Charleston, W. Va. 25303

Address Correction Requested



FIRST CLASS MAIL

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

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

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

**MEMBERSHIP EXPIRES
NEXT ISSUE**

