

# FRIENDS

The SHORT WAVE BROADCAST Journal - Since 1962

NORTH AMERICAN SHORTWAVE ASSOCIATION

Vol. XII No. 6

June 1973



**Teslutlan—Where And What Is It?**

(SEE SWC PAGE 12)

## THE LOUDENMOOMER REPORT

THE INTERNATIONAL WORLDWIDE CONTINENTAL DX ASSOCIATION BULLETIN-FEB/MAR/APR/MAY

Yes fellow members this is, once again, a combined issue. Incidentally, memberships cannot be extended to cover these missed bulletins. After all, we are operating at a deficit now and we need to buy some new jelly for the hectograph.

But I know you are wondering why the absence of your bulletins over these past few months. Well, as you know, we have had quite a controversy raging over just how the DX tips section should be presented. Some want it by frequency as it is now, some want it by time periods. Still another contingent insists the layout be by continents. And there is a small right wing fringe group that demands it by by reporter. Still others want it divided up alphabetically by stations.

I have taken some time to study the various proposals and have come to the conclusion that since opinions are so greatly divided on this subject, I'll accept none of them. In the future, the tips section of the bulletin will be divided up by SINPO readings, beginning with 55555 and moving downwards. I feel this will make things a good deal easier for our beginner members. So please be sure to include a SINPO reading in each logging you send in or they cannot be used.

Another great idea I've had since our last bulletin concerns the more experienced members of our organization. But, for that matter, the entire hobby. Put yourself in their place for a moment. They've heard and verified nearly everything there is in the way of countries. So a DXer at this stage really has problems! What's he to do? It is a frightening feeling and it can easily cause the DXer to lose interest and give up the hobby entirely. And such occurrences would be a great loss to those who are less experienced since they would lose the guiding abilities and inspiration these people have to offer. Obviously, something must be done!

Thus, I am calling for the creation of a new IWWC DXA Committee whose job will be contacting the telecommunications authorities in countries which do not have SW outlets in an attempt to persuade them to institute such stations. This would provide new target countries for those who've heard everything, as well as expand the horizons of the lesser folk. I'm calling this new committee Help Experienced People (HEP). We now need a chairman and a lot of hard-working committee members. So, come on! Let's get HEP!

I also feel we owe some greater attention to our less experienced people. So I am at work on a special series of instruction sheets and leaflets which will treat all the basics of our hobby. These sheets, called HIPIEEs (Help Individual People Increase Elementary Education) will initially treat subjects covering the use of main tuning knobs, basic types of antenna wire, SWBC stations in the 75 meter ham band and the ratio of one's height and arm length to the proper placement of your receiver on a desk or table. The HIPIEEs will be available at no charge. All it takes is a self-addressed, special delivery-stamped envelope. (We want to make sure you get them ok!) So just write in asking for them to "HIPIEE Starter Set, c/o IWWC DXA.

And another thing you'll want to watch for in our next bulletin is a new column on the subject of jammer stations. Jam expert Ben H. Boisenberry will be your host and will discuss the nature and causes of jamming and list the stations he logs which feature these jamsessions.

With all these new things coming up, I'm sure all our members will understand the necessity for a little dues increase. Effective last month, dues are raised by \$5 per month for 3rd class, \$8 per month for first class and \$15 per month for airmail. Please forward the proper amount by the 27th in order that we can continue to have you as a member/subscriber/reader/contributor/friend/helper of IWWC DXA.

# Shortwave



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Deadline 15th of Month

## ON TO THE TOP

BY DON JENSEN

... How Can I Become A Top Flight SWBC DXer?



**EDITOR'S NOTE:** From the Voice of America up to Falklands and Maldives is a long road. This is the first of a series of six articles exploring the subject of SWBC DXing at the serious level by a DXer who has gone far along that road. Part essay and part informational, the articles proceed from some basic questions to a point beyond which most beginner's manuals stop.

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How Can I Become A Top Flight SWBC DXer?

Seldom is this question actually asked by listeners who have progressed beyond the unashamed beginner stage. And it is a good lead-off question for this series.

Unfortunately, there is no one magical answer, no clearcut formula for success. But one word that will be cropping up again and again in this series of articles is experience. Hearing the hard-to-hear stations is the sum and substance of serious DXing on the shortwave bands. And, though it may seem a flippant answer, experienced DXers hear the hard-to-hear stations because they're experienced!

Contrary to popular belief, top quality equipment isn't the solution. Yes, a good receiver will be a big help. It will make serious DXing easier. But the important word there is "easier". An experienced DXer with a mediocre receiver still will manage, over the long haul, to hear most of the real DX. And a novice with a kilobuck receiver still will be asking how he can log those rare stations.

There's none so disappointed as the guy who, expecting miracles, scrapes up enough dough to buy a so-called "pro" receiver, only to find he suddenly ISN'T bagging all those goodies!

Experience—there's that word again—is the answer! But that does not mean just "time served" in the hobby. Time is a factor, naturally since learning takes time. But the effort to learn is critical. Experience is just the practical application of knowledge.

A top flight DXer? Well, when does a DXer "arrive"? If arriving means reaching a pinnacle of proficiency, the answer is, "Never!" No one can ever know all there conceivably is to know about the subject and even the most experienced DXers can never stop trying to learn more.

Individual definitions may vary, of course, but for our purposes let's assume that when a DXer is generally regarded by other DXers as being among the "top ten percent", he's arrived. In other words, you're a top DXer when others consider you one. (CONT. NEXT PAGE)

ON TO THE TOP----(CONT.) Or to put it another way, if you still have to ask, you aren't!

There's no magic entry point to the "charmed circle", no countries heard/verified total that proclaims it to the membership. It is a matter of your reputation as a solid, reliable, accurate, experienced DXer!

Purely a personal opinion, but it seems to me that a relative beginner who goes all out to learn what serious DXing is about could reach that vague status position in a minimum of about five years. Some, of course, will take longer and some will never reach it at all.

Spoon-feeding information is out. You've got to work very hard to learn as much as you can. Among other things, this means a great deal of reading to build a mental storehouse of knowledge you need to be a real DXer.

When you come across a semi-technical or technical article in FRENDX do you pass it by; skip over it quickly because it's too hard to understand? Or do you make a serious effort to master the subject and then use it as a take-off point for further study?

The guy who complains to the editors that an article is too tough and too tedious, that he doesn't understand it and plaintively cries "Why can't we have more features for the beginner?" is the one who only slowly, or perhaps never, will progress much beyond the beginner stage!

Hard work? Definitely yes! A slow process? Probably! But DXing is only a hobby, a pleasurable pastime, you say. Yes, and a casual approach to shortwave listening is perfectly acceptable if that's your thing. But excelling, even at a hobby, can be pleasurable.

Many SWLs simply don't care to make their hobby more than the casual listening to some interesting overseas programs. I don't intend to knock that approach at all. But if you've ever asked yourself the opening question, "How can I become a top flight SWBC DXer?" you've indicated your interest is more in the direction of DXing than SWLing.

And, if it's a serious DXer you want to be, you've got to work at it!

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NEXT MONTH : Hearing those really rare stations.

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## The Toughest Ten . . . And The First 25

EDITOR'S NOTE: Some indication as to how close to the top you are may be afforded by the following list. For some time we have been asking for, and receiving, nominations for the 10 toughest NASWA country list countries to log in North America. From them we have compiled, in order, the following list and tacked on the next 15 for good measure. Obviously, choices differ depending on your QTH--it's a lot harder to log Sao Tome WCNA than ECNA and vice versa with the Maldives.

----A.V.S.

- |                     |                       |                        |
|---------------------|-----------------------|------------------------|
| 1. Tristan da Cunha | 11. Azad Kashmir      | 20. Tadzhik SSR        |
| 2. Falklands        | 12. Comores           | 21. Galapagos          |
| 3. Cook Islands     | 13. Reunion           | 22. Paraguay           |
| 4. Maldives         | 14. Greenland         | 23. Timor              |
| 5. New Hebrides     | 15. Laos              | 24. Borneo             |
| 6. Mongolia         | 16. Cambodia          | 25. Solomons           |
| 7. British Somalia  | 17. Nepal             | (Note: No one in NASWA |
| 8. Indian Kashmir   | 18. Karelo-Finn. ASSR | in N.A. has logged     |
| 9. Mauritius        | 19. Kirghiz SSR       | all these but some are |
| 10. Sao Tome        |                       | close to it).          |

NEXT TOPIC FOR SURVEY: Based on your observations of loggings in DX bulletins, what's the best location to DX from in the U.S.A. (continental)? Send us your nomination, ECNA, WCNA, South, Midwest, etc.



Arrow indicates guerrilla landing point.

By GEORGE  
SCHNABEL  
(Editor's Note: When rebellion or invasion hit a country, radio stations are a focal point of news and governmental reaction. What happened in the Dominican Republic recently is a good illustration, as attested to by George Schnabel's re-creation.

#### FIRST RUMORS

Santo Domingo, Radio Comercial, 4882 kHz, 1547 GMT, 5 Feb 73

"...reports are emanating from the southern region of the country to the effect that a guerrilla band landed yesterday on Caracoles Beach in Azua Province. There are rumors that the alleged guerrillas have gone toward the hills of San Jose de Ocoa and there's a second front somewhere near Vallejuelo, 20 kms south of San Juan de la Maguana."

#### CONFIRMATION

Santo Domingo, Radio Television Dominicana, 9505 kHz, 0327 GMT, 6 Feb

"...The Armed Forces Secretariat announces that on the morning of 4 Feb a group of guerrillas from Cuba landed on Caracoles Beach, Azua Province, for the purpose of initiating subversive activities in different parts of the country. The ship in which these expeditionaries arrived at Caracoles has the following characteristics: Comanche Chris-Craft, 42 feet long, New York registry, name Black Jack. It is presently aground on the beach. Throughout the entire country there is absolute calm and the authorities maintain control in all provinces of the republic."

#### "ABSOLUTE CALM" PREVAILS

In Barahona students leave classrooms and plunge into the streets singing slogans in favor of the invaders and against the government. In Santo Domingo the Autonomous University of Santo Domingo is besieged by police and the rector suspends classes. High schools and colleges are also closed until further notice. Police take control of the Dominican Telephone Co. central exchange in Barahona.

#### RADIO STATIONS CLOSE

6 Feb 73 the government decrees the following stations closed: Radio Mil, R. Comercial, R. Antillas, R. Cristal, R. Mundo, R. Union, Onda Musical and La Voz del Trópico. Telecommunications director Col. Leoncio Gracias says the decision was taken because these stations were broadcasting disturbing and distorted reports regarding the landing at Caracoles Beach.

#### GUERRILLAS REPORTEDLY SURROUNDED...ANOTHER STATION CLOSED

Santo Domingo, Radio Comercial, 4882 kHz, 2230 GMT, 6 Feb

"...reports received today from San Jose de Ocoa assert that the guerrillas who arrived in the country Sunday morning are now surrounded on a high mountain in La Ciénaga Chiquita. Our correspondent said that a reliable military source told him the invaders are trapped on the Tetero Mejia peak...Radio ABC was closed 30 minutes after announcing the news which they attributed to reliable sources, that police officers have been arrested in connection with the landing."

(PLEASE TURN TO NEXT PAGE)

THE DOMINICAN SITUATION---By George Schnabel (Continued)**POLICE ARE ACTIVE**

Santo Domingo, Radio HIJB, 830 kHz, 1500 GMT, 6 Feb 1973

"...police detachments today intervened in a student demonstration at Fable Duarte Secondary School. One student was violently pushed into a police jeep. Demonstrators hurled stones at the police, damaging a police car. The police carried firearms, tear gas grenades. All cars leaving or entering the capital are being checked by military and regular police detachments. Elsewhere secret police raided a house at 35 Mercedes Street in Santo Domingo early this morning. Questioned by reporters, the police replied they were searching for subversive propaganda. They seized a military uniform and blanket."

**SHUTDOWN OF RADIO STATIONS "AN ERROR OF INTERPRETATION"**

Santo Domingo, Radio Mil, 4930 kHz, 1100 GMT, 7 Feb 73

"...official spokesmen reported yesterday that the closing of 11 radio stations in Santo Domingo and 1 in Santiago was due to an error of interpretation by the Relecommunications Board. According to instructions, the board should have informed directors of radio stations they could broadcast reports which had been confirmed by official sources regarding the guerrilla landing. Col. Leoncio Garcia y Garcia, who's been director of telecommunications less than 30 days, apparently was given incorrect information and acted precipitately."

Por MARIO ALVAREZ.

SANTO DOMINGO, R. D., Feb. 5 (AP)--Un grupo armado formado por ocho o nueve hombres desembarcó anoche en una playa de la provincia de Azua, en el Sur del país, a unos 190 kilómetros de Santo Domingo, se informó hoy, aquí.

EL TIEMPO, Nueva York, Martes, 6 de Febrero

"Col. Garcia y Garcia alleged the radio stations he closed, among them Radios Mil and Lendia, broadcast alarmist reports. However, reports on the guerrilla landings broadcast by these stations came from official sectors, especially the national palace...His allegations have no basis in fact since some of the stations closed had no newscasts and only maintained their normal music programming."

**TELECOMMUNICATIONS DIRECTOR REPLACED**

Santo Domingo, Radio Mil, 4930 kHz, 1100 GMT, 7 Feb 73

"...a new director general of telecommunications was appointed last night. He's Guarionex Salavi Pimentel...obviously it is related to the closing of 11 radio stations Col. Garcia y Garcia ordered."

**RADIO CRISTAL IS CLOSED AGAIN**

Santo Domingo, Radio Comercial, 4882 kHz, 2230 GMT, 7 Feb 73

"...The government ordered the closing of Radio Cristal this afternoon without explanation. The station expressed surprise since it had been operating within the legal requirements. This is the second time the station has been closed. It was closed Monday with 6 others!"

**MILITARY OCCUPY RADIO STATIONS**

Havana, Radio Cadena Habana, 830 kHz, 1713 GMT, 8 Feb 73

"...the government of President Joaquin Balaguer today ordered the military occupation of all radio stations in Santo Domingo. It's not known if the order extends to stations in the interior. Reportedly, each station has had 2 soldiers armed with light machineguns posted in front today. Also, Radio Cristal was closed temporarily for broadcasting reports on the guerrilla band that landed Sunday."

**RADIO CRISTAL SHUTDOWN "UNJUST"**

Santo Domingo, Radio Mil, 4930 kHz, 1100 GMT 8 Feb 73

"...the director and owner of Radio Cristal, E. Dickson, said the closing of his station is unjustified. He said: 'The reason I ....

(PLEASE TURN TO NEXT PAGE)

THE DOMINICAN SITUATION-- (Cont.)....was given is that the station broadcast news reports inconvenient to the government. But we think that is merely an incorrect judgment. The material broadcast had been prepared in strict accordance with guidelines discussed with the director general of telecommunications. We have been acting very carefully. We even suspended newscast interviews we do over the telephone and stopped sending around mobile service units. But still the station was closed."

#### SITUATION REMAINS TENSE

The situation in Santo Domingo remains tense. Tanks are still posted in strategic places and arrests and raids are being carried out. The bulk of the tanks surround the Autonomous Univ. of Santo Domingo, so it is assumed that there are armed groups inside.

#### DOMINICAN BROADCASTERS ISSUE STATEMENT

Santo Domingo, Radio Clarin, 860 kHz, 2330 GMT 9 Feb 1973

"...The Board of Directors of the Dominican Association of Radio Broadcasters this afternoon issued an explanation concerning the meeting held with the director of telecommunications for the purpose of obtaining permission for certain stations to resume broadcasting. The note, signed by the board's chairman, says:

"The motives for closures were discussed and the telecommunications director made the following recommendations;

"A. All political and labor union programs to be suspended for as long as the emergency lasts.

"B. All news items dealing with armed forces movements as well as any news which could endanger the security of these operations should be handled by the stations solely through communiques under the presidential press office and the armed forces news office."

"These recommendations have been put forth for the principal purpose of preserving one of the primary obligations of broadcasting, to be on the air while adhering to the law during an emergency."

#### GUERRILLAS REPORTEDLY ENCIRCLED

The rumor circulated again today 13 Feb 73 that Col. Francisco Caamaño is head of the guerrilla group in the southern mountains. Reports indicate the guerrillas are moving southward in the central mountain range in a desperate attempt to break encirclement.

#### TO CONCLUDE

On or about 16 Feb Col. Caamaño and 3 others of his group were cut down and killed while trying to make a run across an open road. Except for New York's Hispanic press, the entire episode of the guerrillas created little stir with the NY Sunday Times of Feb. 18 giving it 3 1/2 column inches and Newsweek of Feb. 26 12 lines. In my city of Rochester, however, the daily again gave a surprising performance with 4 separate stories totaling 40 column inches.

The newsletter Latin America of 9 March reported "Industry and Trade Minister Jose Antonio Brea Peña resigned when Radio Comercial, which he owns, was closed down for broadcasting an interview given to the evening paper Ultima Hora by Toribio Pena Jaquez who claimed he had been in the late Col. Caamaño's guerrilla group and that Caamaño was, in fact, not dead. Police, however, said Peña Jaquez was an agent of theirs.

President Balaguer withdrew from Congress his bill to censor radio broadcasts and replaced it by a new watchdog official to work under the attorney general.

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DX TIP: Neal Perdue writes he has found that the Drake SW-4A speaker, the MS-4, lacks clarity and crisp voice response. He suggests as good replacement the Heathkit SB-600, \$20 in easy kit form. Using tone control on Drake rx, Neal now has FB range from Crisp to bassy.

## Antenna Switching Simplified

By F. EARLE HALL

(Editor's Note: F. Earle Hall, the Winchendon, Mass. dentist, has long been one of the country's top DXers and we're happy to have him share his expertise with readers of SWC.)

The advantages of having more than one antenna are well known to every ardent DXer and most serious SWLs. A single antenna longwire stretched North/South will be apt to provide entirely different signal strength on stations to the east or west than a similar wire running East/West. A dipole cut to an exact length can be made resonant at any desired frequency but may not produce the desired signal on others. Areas troubled by motors may need low pickup twin leads or coaxial cable to lower this nuisance factor.

With such an assortment of wires leading to the antenna posts of our receivers, some simple system is needed to overcome the time consuming and tedious job of connecting and disconnecting this or that lead wire, especially during peak reception periods. As some super DX catches may only hold for short periods, time is a vital factor, and that time lost in antenna changeover may mean the difference between a fine QSL or another failure.

Other than your assorted lead wires, the parts needed and construction seem easy and inexpensive. Most radio parts suppliers or the catalogs list single and double knife switches. Radio Shack has a probably Japanese made type mounted on bakelite, but I prefer the sturdier Leviton on a porcelain base, with a cost difference of only pennies. Any short length of soft wood for the switch mounting is adequate and is to be used outboard style, preferably handy to your left hand. I use a foot long piece of spruce 2 x 4 which rests on the top left of the HQ-180A and is heavy enough not to move during use. The single knife switch is only useful for antennas with single wire leads. Each switch handles two and any number can be connected in parallel. However, the double knife switch type is more practical as it not only handles single and twin leads but is workable with coax as well, by grounding one lead terminal. Of course, for coax

use only, Radio Shack and others sell the factory made CVI or B&W to handle from two to six at a time.

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### DOUBLE KNIFE SWITCH

(Illustrations on following page for this).

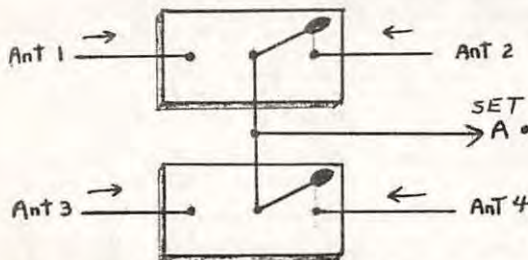
One switch is used for each two antennas, and any number can be connected in parallel, depending upon the number of antennas. For dipoles and 72 ohm twin leads, connections are made from lever base to A--A of set in parallel. All levers rest in open position and simple closure of any one connects the desired antenna.

The author uses 4 double knife switches and with a flip of a (SEE NEXT PAGE)

### SINGLE KNIFE SWITCH



Connecting 2 longwires.

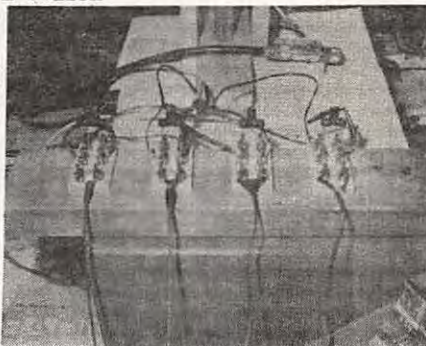


Two Leviton # 9914 single-knife switches connecting four longwires.

## DOUBLE KNIFE SWITCH



4 Radio Shack Double Knives  
Connecting 8 Antennas  
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4 Leviton Double Knives  
Connecting 8 Antennas  
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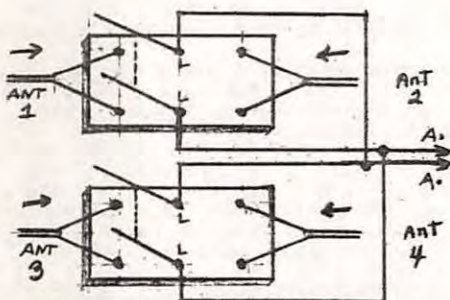
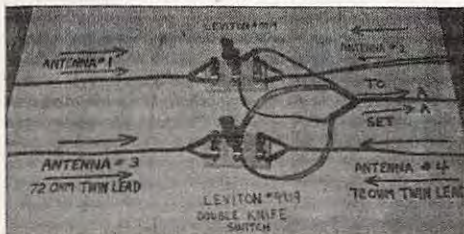


Diagram Above, Photo Below,  
2 Leviton #9919 Double-Knife  
Switches Connecting 4 Dipoles



## ANTENNA SWITCHING SIMPLIFIED

(Concluded)

finger can connect any one of 8 different antennas which include the favorite 66' x 66' dipole for low frequencies, 2 V's of different lengths using 72 ohm twin leads, and even the MW loop which needs one terminal grounded. An extra ground wire is kept handy for this purpose, and when the rx is not in use, this ground wire is hooked across the favored switch to help drain accumulated electrical charges. Anyhow, the action of your S meter will amaze you!

(EDITOR'S NOTE: Future antenna articles in SWC will include a review of the Joystick VFA antenna and tuner by Al Niblack and plans for putting up an aerial in your college dorm room by Tom Alleman. If you have some ideas of your own we would be glad to hear them because there is a great deal of interest in the subject among DXers. If you include diagrams make them clear and small.)

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WORLD HOLIDAYS FOR JUNE (First half published earlier; D = Day)

- 18 Egypt, Evacuation D. 19 Algeria, Nat. Holiday; Uruguay, Artigas' D; Kuwait, Nat. D. 20 Argentina, Flag D; Nepal (approx), Tribhuban Jayanti. 21 Latin America and Portuguese Possessions, Corpus Christi. 22 Sweden, Mid-Summer's Eve; Congo, Army D.; Haiti, Oath of the President; Swaziland, King's Birthday. 24 Thailand, Nat. D.; Peru, Indian D; Azores, Feriado Municipal Angra; Ecuador, Bolivar's D; Venezuela, Army D and Anniv. of the Battle of Carabobo. 26 Malagasy Rep., Independence D; Somali Rep., Independence D.; (From Steve Sykes)

## The SWL As His Own Publicity Man

By AL REYNOLDS

Editor's note: Al Reynolds, of Jackson, Tenn., as the following article attests, has always done his best to promote the hobby and is continuing to do so as new executive secretary of ANARC. We wish him the best of luck in this new endeavor.

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"The More the Merrier," they say. Wouldn't it be nice to have some more SWL's in your area to talk with and compare QSLs with and do all the fun things with? You can do it if you try and do your community or school a favor in the process. How can you do this? By putting together a display to illustrate the fun things of our hobby. Such a display could be useful for hobby shows, for Science Club meetings (or language clubs or political clubs or social science clubs, etc.), or for other types of displays. Mine is the monthly display at our Public Library, keyed in with books on geography and radio---it certainly contributes as much to "the diffusion of knowledge among men" as displays of doll costumes and hand-crafts!

My exhibit is mostly on poster boards--at the library they are on display boards but in a classroom they could be taped to a wall. Other items are not and are fastened to the surfaces to fit the space available. Some heavier items are in a glass case.

These are the contents now on display: (1) title poster, "Far A Way Places with Strange-Sounding Names Are Calling Me", pitched to the travel buff who can hear of weird places, see pix of colorful cities, people and animals from interesting countries all over the world, clipped from magazine and tourist folders. (2) What Are Short Waves?--ham bands, SWBC bands, CB, aero, etc., in skimpy outline, with some facts about this and that.

(3) How Do SW Broadcasts Travel So Far?--diagram of broadcasts from a station bouncing off ionosphere and landing at various far-away cities, skipping others.

(4) QSL cards under plastic protection, with explanations of types of stations (government, private, time, Communist, missionary etc.) and how the cards are obtained.

(5) "Surprise Your Postman", a collage of envelopes and wrappers with lotsa stamps and foreign-language writing which will attract the stamp collector.

(6) "Stations You Can Hear"--a small map with pins in it to represent a dozen easy stations and a couple dozen slightly harder ones the beginner could pick up.

(7) "Major Broadcasts in English", a table of times versus countries just to illustrate how many countries use English and the fact that there is something on the air almost every hour of the day.

(8) Pennants.

(9) VOA program skeds, showing the languages and topics the VOA uses this month with some VOA brochures and stuff for flavor.

(10) "In The Mailbox"--various program skeds, magazines, New Year's cards, contest offers, propaganda blasts, and other items which pop in from all over the world. This item, and the QSL cards, can be used as "fillers" to use up any spare display space left over.

(11) A glass case containing Peking's "Little Red Book", station stickpins, RNZ's Tiki, V of K's yearbook with yummy photo work, and other stuff not suitable for wall display

(Please Turn to Next Page)



Display case with VOA tube

SWL AS A PUBLICITY MAN---(Continued).... By Al Reynolds

(12) A cassette tape with idents and IS samples, plus tiny bits of Arabic mx, LA mx, etc. In library use, of course, a headphone is employable for this.

(13) "Secret Code Message", the taped and transcribed broadcast of a "numbers station" with what little is known about these critters, plus an invitation for the reader to try his hand at deciphering it (lots luck!)

(14) Communist propoganda--some items ranging from mild to ferocious, so displayed as not to appear that the display itself is a Communist operation!

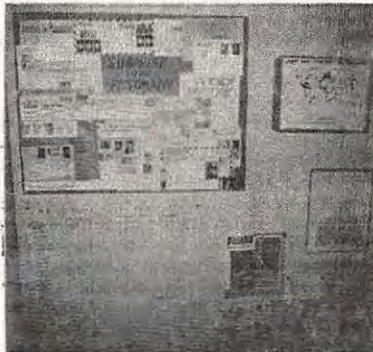
Other possibilities: (1) your receiver, or pix of SW receivers. (2) pix of you and/or your buddies busy at the hobby. (3) bulletins of clubs. (4) newspaper clippings quoting "Radio Damascus", etc. (5) details of news or propoganda you may have heard, taped, etc.

**SUGGESTIONS FOR YOUR DISPLAY:** Use color where possible, with felt markers in red and green as well as black and construction paper or poster paper in yellow and red as well as white etc. Past stuff onto other material to catch the eye. Use catchy titles or questions. Use the display items to explain things: I used CHU's card to deal with time and utility stations, ELWA's to mention that U.S. stations have call letters with "W" and "K" but other countries are different.

Write to the stations and ask for material--"he Public Information Officer, Miss Ruth Walter, was very helpful with VOA materials from Washington. Contact teachers, librarians, recreation departments, churches, club presidents, etc. and offer the display. A snapshot of the display as set up might be useful. Arrange your material so it can be used and set up easily, won't fall apart, etc. Store it for future use, updating and adding to it as events permit. Use plastic adhesive (Plastitac, etc.) to hold cards and skeds to walls or poster board without tearing or punching holes in them.

Above all else---use your imagination!

P.S. Some items not generally available which I also have on display are a VOA Spanish language poster, glossy photos of Yvonne Barclay and Willis Conover as "radio personalities", a letter from Biafra about their radio operations and a burned-out main tube from a high powered SWBC transmitter (weighting in at about 50 pounds!).



"Surprise Your Postman" Theme  
\*\*\*\*\*

**AN OFFER:** I will make available the following items from my display at no cost except your return postage to any who need them, bearing in mind that I wish them returned:

Glossy photos of Yvonne Barclay and Willis Conover.

Copy of Biafra letter.

Copy of Secret Code Message.

QSL card display holder (holds only the smaller cards).

Write to Al Reynolds, P.O.Box 3012, Jackson TN 38301.

**HELP WANTED:** If you get any program schedules, brochures etc. you won't want to keep, why not send them to SWC editor? Often they have illustrations that can be used in FRENDX stories. The same goes for maps you may see in newspapers and magazines providing they are in black and white and small enough to be used on these pages.



DON'T COUNT YOUR QSLs (CONT.) ...as I held the envelope up, looked at the judge and said: "Know what this is? It's a full data QSL from FIBS. This will show beyond the shadow of a doubt that I was listening to FIBS at 0130 at the time of the crime."

The judge, who was a DXer and helped start the PAD program, nodded and said, "If that QSL says what you said it does, I will let you go free."

Before I could rip open the letter, Nick sprang up from his seat, gave a full confession and threw himself on the mercy of the court. He set me up. Now though, with such evidence in my hand, Nick broke and with me having a FIBS QSL, he would never live it down. His plan to put me back in the clinker had failed. Now he would suffer my fate. With that case wrapped up, I headed home.

Back at home I opened the letter and made a report out to the QSL Section of the club that had sponsored me in the PAD program. There was a small shock in the contents of the QSL but the happiness of the moment was enough to keep me from fainting. Somewhere in a padded cell, hopefully, Nick the Freq. will be reading the QSL Section of the PAD-sponsored bulletin and come across this entry:

FALKLAND IS.--FIBS, 3942; Aerogram QSL with all data EXCEPT TIME in 3 weeks for 92 IRCs and 3 sets of MS. Sea Mail. (Liechtenstein).

Oh, well, Nick, that's the way the S-9 fades. Gotta go now, my friends, Action Radio just went off the air on 3290 and some dude way down in the mud keeps saying--"ZOE". Gotta pen?

BROADCASTING STATIONS IN THE PEOPLE'S REPUBLIC

BY HIROYUKI NAGASE, Editor of BSPRC

長瀬博之

The first edition of my book, "Broadcasting Stations in the People's Republic of China" was sold out. I will publish the second edition of it around June 15. I shall be very pleased if you would introduce this new edition in your FRENEX, publication of the North American Shortwave Association.

The second edition consists of four parts:

- I. Provincial and local home service stations listed by province and city. (more than 130 stations).
- II. Latest schedules of Chinese provincial and local stations (effective from May 15).
- III. Latest schedules of Radio Peking foreign service (effective from April 25, about 38 languages).
- IV. List of Chinese stations by frequency. Also detailed map and some other information.

The book is about 60 pages, printed by offset. The price is 7 IRCs by sea mail and 12 IRCs air mail. Write to Hiroyuki Nagase, C.B.S.M.C. P.O. Box 93, Ushigome P.O., Tokyo 162, Japan.

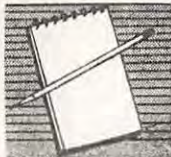
**DX Tips**

By L.P. Benjamin.....If you are using a headset (8 ohms, you can considerably increase your reception of weaker stations and also save a lot of wear and tear on your eardrums by using a headphone extension volume control. This little piece of equipment enables you to turn the AF and RF gain controls on the receiver up to full volume as you tune across the bands since you control the volume by the control on the headphone extension. With AF and RF at peaks, you will be amazed how formerly hidden stations will "jump out" of the bands as you tune across. It seems to me there is considerable reduction in QRN and QRM also, I don't know why.

You may have to buy a stereo headphone controls designed to adjust volume in right and left stereo earphones but these work perfectly on monaural by using just one of the two volume controls. Radio Shack has one with 8' 20" coiled cord for \$4.95. It lies flat or can be held in the hand and allows constant ease in monitoring the volume. You could wire an "L pad" direct to the headphone cord but you would have to "chop up" your headset and go to more trouble.

## The Target Book

By  
Al  
Sizer



When you're a DX beginner you can turn on the rx any old time and knock off new stations and countries by chance but as time goes by you're going to spend a lot of fruitless hours at the dial unless you have a Target Book.

Take a stenographer's short-hand notebook, hinged at the top and divide it up into the 24 hrs of the day by using 48 pages, one half hour to each page. At the top of the page put the hour in



both GMT and your local time thusly: 8 a.m.--1200 GMT. Halfway down the page put another heading, 8:15 a.m.--1215 GMT. And so on, until you have the notebook marked up.

Now you must gather information you want to enter in the book for prospective targets. These will obviously be stations and countries you have not heard before or stations you wish to log again for QSL reports.

There are many sources for this kind of information. Your club bulletins, particularly the Logging Section. Schedules sent by the stations. DX programs on SW radio stations. Correspondence from your DX friends, telephone calls, etc. The more sources the better.

Naturally, you must be discriminating. Don't put down loggings indiscriminately. If someone in England or in Ceylon logs Mauritius at 1800 it doesn't mean you can. Pay particular attention to loggings from your own section of the country.

Now that you have picked your targets, enter them in the notebook, under the nearest approximate 15-minute time segment. Put the frequency, country, name of station, language being used at that time, if given, along with any other pertinent information such as sign-on, sign-off, QRM, source of information. Keep the entries short however and if you have additional data to enter put an asterisk after your original entry and put the rest of the data on the reverse side of the paper.

Make all entries in pencil so that you may erase them and substitute new ones when you have hopefully logged the originals.

You will need a new target book twice a year when the change from DST to EST and vice versa is made. This is necessary time-wise and also gives you a good chance to revise your listings. We throw away about 75 per cent of them at this time, the other 25 per cent will seem worth carrying over into the new target book.

## Radio Tesulutlan—Where And What Is It?

This station, heard for only several days during tests in November of 1972, is located at Coban in Guatemala's Alta Verapaz province. During the few days it was active Radio Tesulutlan broadcast on 4835 kHz, using the call letters TGTZ, as well as the slogan, to identify. As this is written, "Radio Tesulutlan is off the air but the station authorities are hoping to receive final broadcasting approval soon and it may at the time you are reading this be active again.

The station is owned by the Benedictine Fathers and the verie signer is Padre Bernardino Ness, O.S.B. Its address is Radio Tesulutlan, TGTZ, Barrio San Marcos, Coban, Alta Verapaz, Guatemala.

It will be a cultural, non-commercial station designed to teach Spanish and meet the spiritual and material needs of the people of this region, north of the Guatemalan capital. The population served by the station is 90 per cent Indian, K'ekchi and Pokomehi. The photo on this month's cover of FRENDX shows the station's K'ekchi announcer, Enrique Oxon Pacay, at the homemade console of Radio Tesulutlan during last November's test transmissions.

-----From Don Jensen

EDITOR'S NOTE: We urgently need material on the smaller and more interesting SW stations, like that above. Please send to SWC

AN ODD THING HAPPENED IN MAY

by Ed C. Shaw

Even if the bear hadn't been there, we still would have had great fun. Old Dominion DX Association met Friday night, the 11th of May 1973 at my house. My wife and I had planned this for a couple of weeks. Actually, the idea of the ODDX Association isn't new; it was first dreamed up in 1970 when Al Reynolds, Dan Jamison and I used to converge on Jamison's home in Charlottesville, Virginia for occasional overnight QSO's. ODDX is comprised of about 8 or so eastern Virginians - all NASWA members, as well as other clubs, too. On the evening of the event in May, my wife was going around in circles trying to figure out what to fix, and how to provide a bed for everyone. I left those problems to her. Mine were much more important...how to seat eight people in that radio shack...what do seven people do with only five receivers?...And, antennas...wow! I spent all day Thursday before hanging by my knees in the trees, pulling and threading wires this way and that.

But, Friday evening came, and Bob Zabot was the first there. In short order they trickled in till around 7:00 P.M. we were all settled around a dinner table fumbling with spaghetti - Zabot promptly sliding half the platter onto his plate. Darrell Buxton busted a bowling date with his fiancee to get to the meeting, but she never let him rest in peace - the phone rang at least a dozen times during the night. I don't believe she ever really was convinced there were no girls on the team (at no fault of my own).

Jim Hagen could stay on but a couple of hours since he worked nights. We look forward to the next time when he perhaps will be able to stay - and bring his R-390 with him. That's a fine piece of equipment and may be the best.

As it was, we had three SX-190 receivers, a DX-150A, and an SP-600, in addition to various antenna tuners, crystal calibrators, tape recorders, etc. It turned out to be a very profitable night for some of the guys who averaged four or five new countries found each. This is the advantage of such meetings as ours - there will always be those can benefit by ordinary common knowledge of the others. Some enviable catches were logged, and these have been submitted to Log Report, but perhaps too late for this month.

PHOTOGRAPHS: Front porch shot of ODDX Meet attendees; Darrel Buxton tries out the SP-600 at top right; Steve Estes and Cal McCall wade through powerhouse signals in second row, left; Bob Zabot and Russell Lay compare SX-190 receivers, second row right; Bob Zabot and Boo Bear catching 40 winks; Ed Shaw proudly displays row of white teeth (his own), third row right; Chow down - spaghetti and salad; Martin Imbert stumbles across the catch of his life - bottom right.

We did the best we could flashing pictures here and there throughout the evening. There was so much noise at times, you couldn't hear yourself think, so headphones were used.

Highlights of the evening were during a listening lull before catching some sleep, and all of us sat around the living room conversing on general interests. A 100 question DXer's examination was administered which was enjoyed by all. The exam covers a wealth of easy to severely difficult DX trivia questions. Everyone passed the examination. Incidentally, this examination is available to other NASWA un-clubs like ODDX simply for writing Ed Shaw and providing a return stamp.

The next ODDX Meet will undoubtedly be soon - by popular demand. And, a bigger crowd is expected. My wife will love that. 73 in 73, y'all - from ODDX!!



Bob Zabot & Friend Jim Hagen Ed Shaw  
 Martin Inbert Steve Estes Russell Lay Cal McCall  
 Darrell Buxton



# QSL Report

NEW EDITOR NEXT MONTH

LARRY YAMRON  
6830 LINDEN LANE  
PITTSBURGH, PA 15208

## NEW EDITOR, NEW ADDRESS!

Once again, just a reminder that when you are reading this, your writer will be in Madrid, and that all reports for QSL REPORT should be sent to Editor Larry Yamron, 6830 Linden Lane, Pittsburgh, Pa. 15208, to whom we all wish the best of luck.

## SCOREBOARD

Our Scoreboard spotlight falls on ASIA this month; forthcoming issues in September and December will feature EUROPE and OCEANIA respectively.

Reporter/Location	ASIA		ASIA		Best QSL/Freq.
	HIC VIC	HIS VIS	HIC VIC	HIS VIS	
1. Don Jensen, Wisconsin	215 209	---	58 56	---	Dili, Timor, 3268
2. Gerry L. Dexter, Wisconsin	207 201	935 709	53 52	---	R. Gambia, 4820 kHz
3. James W. Young, California	206 167	651 198	60 45	---	AZad Kashmir 4730
4. Dan Henderson, Maryland	202 181	---	53 40	---	ZBW3, Hong Kong
5. Edward Shaw, Virginia	202 180	395 233	48 41	---	R. Hong Kong, 3940
6. Samuel L. Barto, Connecticut	201 177	983 491	---	---	-----
7. Bob Padula, Australia	200 194	---	58 57	---	-----
8. Bill S. Sparks, California	197 190	---	56 52	---	Dili, Timor, 3268
9. Marlin A. Field, Michigan	196 190	755 605	50 48	---	RRI Sorong, 4872
10. John Campbell, Switzerland	195 156	---	56 39	---	AFRS/Tokyo, 3800
11. Alvin Sizer, Connecticut	195 179	678 271	48 40	---	RRI Pakanbaru, 5845
12. Marvin E. Robbins, Nebraska	194 157	748 395	---	---	-----
13. Alan H. Roth, Connecticut	191 171	548 411	49 38	---	Voice of Goa, 15385
14. Ralph Perry, Illinois	188 175	---	---	---	Burma BC Sec, 5040
15. Ernest S. Behr, Ontario	188 134	875 230	51 33	---	R. Brunei, 4865 kHz
16. Dr. T. B. Williamson, Ontario	187 170	---	---	---	-----
17. Bill Flynn, California	186 173	623 430	---	45	V. of Hope, 6170
18. Jerry Berg, Massachusetts	182 167	---	52 50	---	-----
19. Gregg A. Calkin, Ontario	181 165	409 314	52 50	---	FEN/Tokyo, 15260
20. Hiroatsu Matsuura, Japan	179 171	---	52 47	---	R. Maldives, 4740
21. Dan Ferguson, West Va.	176	---	46	---	-----
22. John W. Hoogerheide, Michigan	172 135	---	---	---	ATR, Delhi, India
23. Dan Jamison, Virginia	172 69	415 81	---	---	-----
24. Robert Worko, Connecticut	171 159	225 199	44 38	---	Sanaa, Yemen, 5804
25. Bruce Churchill, California	160 139	210 170	50 40	---	HLK60, Seoul, 6195
26. A. E. Martin, England	158 149	---	43 38	---	Burma Bc Sec, 5040
27. Terry Adkins, California	156 95	320 108	41 25	---	RRI Sorong, 4872
28. Henry Michalenka, R. I.	155 120	247 137	37 23	---	Baghdad, Iraq. 9610
29. Kris Lemna, Indiana	153 116	---	29 17	---	-----
30. Jim Zabransky, Illinois	152 129	205 168	35 25	---	Kathmandu, Nepal
31. Steven P. d'Adolf, Mass.	152 121	186 147	33 22	---	R. Santa Isabel
32. Bob Brode, California	151 94	391 122	47 22	---	AFWT/Taiwan, 3990
33. Scott Reeves, Maryland	150 107	329	34 18	---	V. of Meteorology
34. Alan Mayer, Illinois	150 98	---	49 21	---	R. Bangladesh, 17935
35. Mike Ryan, California	--- 148	---	---	---	DZIT, Manila, 6080

36. Chris Lobdell, Massachusetts	148	138	256	183	37	32	Thailand 7115 kHz
37. Victor C. Jaar, P. Q.	147	3	---	---	---	---	-----
38. Ron Howard, Maryland	143	118	---	---	44	35	Afars & Issas 4780
39. Steve Kamp, California	141	111	373	198	24	16	Thai TV Co, 7105
40. Edward Kusalik, Ontario	140	118	173	138	---	---	-----
41. Charles Conner, Louisiana	139	75	332	88	28	12	Sarawak, 4950 kHz
42. Joseph R. Avery, N. C.	136	60	---	60	28	10	FEBE Philippines
43. Al Reynolds, N. C.	135	105	235	123	31	26	Thailand 11910 kHz
44. Don Johnson, California	135	80	231	104	---	---	-----
45. Leon Segal, New York	132	100	---	---	---	21	Burma, 5040 kHz
46. Jerry M. Stuart, Oklahoma	130	106	209	194	14	14	R. Singapore 11940
47. John Fisher, Ontario	130	81	251	113	28	14	R. Afghanistan
48. Errol Urbelis, New York	129	94	360	135	---	---	-----
49. Greg Kelley, Virginia	128	94	150	126	27	22	Kabul, 11745 kHz
50. Bob Slowey, Illinois	127	110	---	---	---	---	-----
51. Mark Duba, Vermont	127	96	---	---	---	---	-----
52. Michael Watman, N. H.	126	113	190	144	31	23	HBS, Jordan/7155
53. Larry Marshall, California	125	104	180	142	29	22	Rangoon, Burma 5040
54. Albert Miller, Ohio	124	105	---	---	28	26	Thai TV 7107 kHz
55. Neal A. Perdue, Tennessee	123	41	---	---	---	---	-----
56. Bill Schultz, Penna.	121	89	206	137	---	---	-----
57. Brent Halpern, Colorado	120	96	239	134	24	18	R. Afghanistan
58. Mario A. Sala, California	120	77	172	88	---	---	-----
59. Ken Swatko, Alberta	120	76	---	---	31	15	Singapore 5052 kHz
60. Marc Charon, California	120	65	205	70	24	14	R. Brunei, 7215 kHz
61. Paul Mayo, New York	120	51	140	55	26	6	VORC, Taiwan, 17890
62. David R. Alpert, Illinois	119	100	---	---	21	16	HBS, Jordan/7155
63. Joey Nonnast, Texas	118	98	175	126	28	22	Sarawak, 4950 kHz
64. Jon L. Williams, Indiana	118	8	118	8	28	3	V. of Philippines
65. Rick Charnes, Massachusetts	117	73	176	85	26	16	R. Pakistan, 15365
66. Irwin Glasberg, P. Q.	116	107	234	166	22	20	Radio Amman, 15170
67. Andrew Pappas, Illinois	116	98	---	---	---	---	-----
68. Michael Seth, New York	116	73	253	81	---	---	-----
69. Steve Wallace, Penna.	114	38	---	48	23	3	HRI, 3275 kHz
70. John Zaharek, Connecticut	113	103	198	146	23	20	Radio Kuwait 21685
71. George Schnabel, New York	113	90	---	---	24	17	-----
72. Carroll Patterson, Georgia	112	101	---	---	---	---	-----
73. James S. Hurst, Maryland	112	95	161	132	---	---	R. Kabul, 15265 kHz
74. Mike Nikolich, Illinois	112	70	153	90	22	14	R. Afghanistan
75. R. Stephen Dildine, Va.	111	88	---	---	20	14	R. Bangladesh, Dacca
76. Michael Wiseberg, Ontario	110	79	170	110	27	16	Thailand, 7105 kHz
77. Eric Draut, Illinois	110	68	149	96	27	13	VOV/Hanoi, 10040
78. Neal E. Kolb, Florida	109	70	---	---	25	15	-----
79. Richard S. Heggs, B. C.	108	91	151	108	25	23	Sarawak, 7160 kHz
80. Gary S. Goltz, Pa.	107	79	142	90	27	21	VOA/Okinawa, 7320
81. John T. Soneff, Louisiana	106	86	203	101	19	15	-----
82. Woody Seymour, N. C.	105	88	148	116	24	20	Syria, 15165 kHz
83. Jerry L. Green, Virginia	105	81	132	81	23	15	R. Baku, 9840 kHz
84. Thomas Cwikla, Connecticut	104	75	144	96	24	14	R. Iran, 15064 kHz
85. Larry M. Abraham, Missouri	104	68	---	---	21	9	FEBE Philippines
86. Mark S. Konen, Wisconsin	104	64	---	---	21	14	VUNC/Ryukyu Is
87. Price Kagey, California	102	98	---	---	29	26	Ulan Bator, Mongolia
88. Bob Kelleher, New York	102	56	165	80	---	---	-----
89. Richard G. Pashke, Wisc.	100	66	152	81	25	2	Radio Kuwait, 15345
90. Brian Lym, California	100	65	---	---	---	---	-----
91. John C. Gendron, Virginia	100	53	155	70	22	9	All India R., 9560
92. Elliot R. Strauss, N. J.	98	42	592	43	14	5	-----
93. Martin Imbert, Virginia	97	67	146	90	---	---	FEBE/Seychelles 15270
94. Shirley D. Isaac, S. C.	96	63	---	---	19	11	R. Ceylon 9720 kHz
95. Jean Burnell, P. Q.	95	76	157	105	18	12	Dacca, 11650 kHz
96. Steven E. Sykes, Ohio	95	58	133	76	19	9	R. Bangladesh 15520
97. Harold Kalkstein, Penna.	95	55	130	65	21	12	Thailand, HSK9.

98. Mrs. Mildred Marshall, N. D.	94	85	131	114	13	10	Seoul, 15430 kHz
99. Kim Stenson, Vermont	94	68	128	77	--	--	-----
100. Scott McGregor, Missouri	93	83	101	87	15	13	R. Bangladesh
101. Harold Sellers, Ontario	93	73	172	100	--	--	-----
102. Bob Estand, Texas	92	91	112	110	15	14	TAU/Turkey 15160
103. Stan Mayo, Maine	92	88	---	---	--	--	-----
104. Ron Bruns, Mo.	92	75	143	100	9	5	V. of Turkey
105. Wendell Carrington, Tennessee	92	42	117	48	15	4	Turkey, 11880 kHz
106. Fred Willshaw, S. C.	90	63	125	72	18	10	Yerevan, 11690
107. Kurt Cox, Michigan	89	48	111	60	18	8	DZP2/FEBC, 11920
108. Edward J. Pyatt, Georgia	88	76	110	92	15	11	VOFC, Taiwan
109. William Zuk, New York	88	46	---	---	--	--	-----
110. John L. Kolb, California	87	78	99	93	--	--	-----
111. Peter Taylor, Ontario	85	68	116	73	14	10	Lebanon, 15170
112. Bob Carlsen, Ohio	85	65	112	79	16	6	R. Bangladesh
113. Dave Megyesy, New Jersey	85	60	120	80	12	8	Radio Iran, 9005
114. Charles A. Wooten, Morocco	84	66	137	107	18	13	-----
115. Robert J. Kozlowski, N. Y.	84	50	114	67	9	3	NHK, 15445 kHz
116. S. W. Eichenhorn, Michigan	82	55	---	---	--	--	-----
117. Anthony Marks, Oregon	81	70	108	88	15	9	Khabarovsk, USSR
118. Alan Hamilton, Ontario	78	51	112	73	16	6	Sri Landa 15120
119. Ivan Grishin, Ontario	78	51	---	---	14	8	R. Kuwait 11825
120. Steve Squires, Illinois	77	54	87	60	12	6	VOFK, Seoul, 9640
121. Corky Webb, Texas	76	68	107	93	14	12	Kuwait, 15345 kHz
122. Kevin Murray, New York	76	54	---	---	--	--	-----
123. David R. Ball, Ontario	75	62	104	84	10	7	AIR, Delhi, 11810
124. Larry Nebron, Ohio	75	37	90	45	--	--	-----
125. Richard L. Dushane, Michigan	74	63	---	---	11	10	R. Kuwait, 15345
126. Larry Yamron, Pennsylvania	74	49	90	52	--	--	-----
127. Pauline Brock, P. Q.	74	37	100	42	9	4	Israel, 9625 kHz
128. Charles R. Foxx, Virginia	72	60	---	---	11	10	Kol Israel, 9625
129. Frank E. Aden, Idaho	72	55	---	---	--	--	-----
130. David Demsey, Massachusetts	71	60	87	66	--	--	-----
131. Marty Austin, Connecticut	70	47	94	57	15	6	R. Kuwait, 15345
132. Mike Hardester, California	69	59	103	89	11	9	VUNC, Okinawa
133. Gary Hafer, Pennsylvania	69	55	83	52	14	9	Dacca, 17935 kHz
134. John Walenter, Illinois	67	57	---	---	--	--	-----
135. Jerry Word, Georgia	66	48	---	---	--	--	Amman, Jordan
136. Jim Weber, California	66	45	71	47	--	--	-----
137. Ken Hunt, California	66	41	82	43	14	5	-----
138. Cam Birge, B. C.	65	40	65	40	11	8	Tashkent, 6025
139. Leslie Geir, N. D.	65	37	65	37	12	6	VOFK, Seoul/9640
140. Tom Blossom, Indiana	64	54	72	61	--	--	-----
141. William J. Plum, New Jersey	64	50	106	85	8	4	R. Peking, 7120
142. Geoff Oates, B. C.	63	53	79	70	17	14	R. France Asie
143. Steve Estes, Virginia	63	29	---	---	--	--	-----
144. Jack Rosenberg, Massachusetts	62	42	70	46	10	6	V. of Turkey
145. Henry E. Fino, New York	58	38	65	43	4	2	R. Peking, 7120
146. Don King, Pennsylvania	57	44	69	52	10	6	AIR, Delhi, 11810
147. Bob Peritz, New York	57	54	63	59	4	2	Beirut, 15285 kHz
148. Norman Starr, Ohio	56	22	---	---	--	--	-----
149. Henk Fung, Surinam	55	25	118	30	8	5	R. Australia 615C
150. Charles Self III, Mn.	55	23	73	29	7	3	V. of Turkey
151. Arthur Smith, Alabama	53	36	65	42	6	3	IBA, Israel 9009
152. Danny Richardson, Nebraska	51	29	80	43	--	--	-----
153. Ciro Guarducci, B. C.	50	32	87	40	5	3	Korea, 9640 kHz
154. Steven Fix, N. Y.	50	31	88	---	--	--	-----
155. Frank Orcutt, N. Y.	46	31	53	39	4	3	R. Ceylon, 9720
156. Joseph L. Brown, N. Y.	46	27	51	32	6	3	R. Kuwait, 15415
157. Craig Wicks, MS	45	33	54	43	2	1	-----
158. Bob Jinkerson, Missouri	43	8	53	8	5	2	-----
159. Randy Malko, P. Q.	35	26	45	31	3	2	R. Bangladesh.

QSLs RECEIVED

ALBANIA: Radio Tirana, 6200, black/white folder card with pic of bldg on front and full data on reverse. 90 days air for 4 IRCs (Willshaw) 2 months air after 4 tries (Wiseberg) 18 days w/sked (Burlaw)

ANGOLA: Radio Clube do Huambo, 6 language card thanking me in 4 weeks for 3 IRCs. (Reeves) 2 weeks for mint stamps (Martin)

Radio Clube do Lobito, nodata jungle card in 3 weeks; no IRCs. (Martin)

Radio Ecclesia, form letter in 5 weeks for English and 1 IRC. (Barto)

ARGENTINA: RAE, 11710, green card with frequency given only; 2½ months (Cwikla) 4 months air for 3 IRCs (Yamron) full data card in 3 months for 2 IRCs (Gendron) 150 days seamail for English report and 2 IRCs (Willshaw) 5 months (Rosenburg) 9690, card in 4½ months; no IRCs (Fino)

LOL Time Signal, 15000, English/Spanish folder card in 2 months for 1

IRC (Cwikla)

ASCENSION IS: BBC, 15260, Thames card w/verif statement only and sked in 9 days. No IRCs. (Burlaw)

AUSTRALIA: Radio Australia, 9580, radio telescope card in 3 weeks; 1 IRC sent.

(Carlsen) 3 months; no IRCs (Fino) 5995, radio telescope card (O'Malley) Lyndhurst/5995 by card of Sydney Opera House (Ball) 17795, 215 days seamail (Willshaw) 12 days (O'Malley) cards in 90, 93 and 294 days (Self) 22 days (Guarducci) 11 weeks (Cwikla)

ABC/Brisbane, 4920, card in 105 days air for 1 IRC (Mayer) 90 days for 1 IRC (Henderson)

ABC/Perth, 9610, card in 19 days airmail for 1 IRC (Austin) 11 months (King) 33 days (Guarducci) western Australia map card w/full data; 2 months (Calkin) 15425, card in 17 days (Meehan)

VNG Time Signal, 7500, verification letter in 2 months (Cwikla) 11 days

air; no IRCs. V/S: Claire J. Dooler (Burlaw) 1 month (Gendron) 26 days (Castello)

AUSTRIA: OKF, Vienna, card in 6 weeks for 2 IRCs (Guarducci) 6155/9770; card in 5 weeks for 2 IRCs plus many pamphlets (Pacheco)

AZAD KASHMIR: 4732, brown card with typed details; 6 weeks airmail for 4 IRCs. V/S: Station Manager. Pakistani stamps used on reply. (Padula)

BANGLADESH: Radio Bangladesh, Dacca, white card with full details in 3 weeks. 3 IRCs (Martin)

BELGIUM: ORU, Brussels, card with incorrect date and no time; 24 days (Brock) 33 days airmail for 1 IRC (Schwartz) 21 days air for English report and no return postage. States pennants will be sent if requested. (Willshaw)

BOLIVIA: Radio La Cruz del Sur, card and pennant in 4 months for Spanish report and 1 IRC. (Martin)

BOUGAINVILLE IS: Radio Bougainville, full data folder and letter in 26 days for an English report and 1 IRC. 3322.5 kHz. V/S: M. L. Hadlow (Swatkovoff) 5 weeks for 2 IRCs (Abraham)

BRAZIL: Emis. Rural, A Voz de São Francisco, 5027, letter, p/card and stamps in 1 month air. SASE sent, but not used (Field)

Radio Globo, 11805, full data Rio de Janeiro city card in 100 days by seamail for a Portuguese report and 2 IRCs (Wiseberg) 5½ months seamail (Reeves) 5 months (Seymour)

Radio Nacional, Brasilia, 15447, cordial, personal letter in English from S. Toledo; 20 days for 1 IRC. (Schwartz) letter saying that I had heard station after request from station for 5 IRCs were required. No data and letter unsigned!! (Archard) 1 month air for mint stamps (Yamron) 4 IRCs brough carbon copy of verie letter with no data in 14 days seamail for English report (Willshaw)

RTV Bandeirantes, 11925, form letter in 6 weeks for SASE (Field)

Rdf. Taubate; QSL-letter in 4 weeks from V/S: Emilio Amadei Beringsh, Dir.

(Barto)

BRITISH HONDURAS: Radio Belize, map card in 3 weeks for 1 IRC (Orcutt) (tin)

BRUNEI: Radio Brunei, green/yellow mosque/map card w/all data in 1 month air (Mar-  
BURUNDI: Bujumbura, 6140, folder card with design of tower on front and data on reverse; sked inside. 7 wks air for English report and no IRCs. V/S: Le Chef du Service Technique. (Martin)

BULGARIA: Sofia, 9700, p/card with view of University of Sofia; 5 months for 2 IRCs. (Fino) Bachkovo Monastery p/p/c w/full data in 70 days seammil for English report and no return postage. (Willshaw)  
BURMA: Rangoon, 5040, card in 5 weeks. No IRCs sent; reply direct. (Abraham)

CAMEROON: Yaoundé, 4972.5; full verie map card in 3 months surfacemail for 1 IRC. (Reeves)

CANADA: RCI, 9635, Canadian map card in 28 days air; full data (Castello) 61 days; no IRCs (Burlew) green map card in 5 weeks (Grishin) 2 months (Carlsen) 37 days for 37 days (Self) 30 days w/full data (Mayer) 11720, card; no IRCs (Machen) 6085, card in 1 month (Meehan)

CHNX, Halifax, 6130, plain card w/freq. only by 1st class in 41 days; no IRCs. V/S: Patricia A. Walsh (Burlew)

CHU, Ottawa, 3330, usual blue card with full data; 1st class mail in 12 days. (Burlew) 12 days seammil for English report and no return postage (Willshaw) 10 days for no IRCs (Fino) 10 days (O'Malley)

CFRX, Toronto, 6070, p/p/c w/all data by 1st class in 10 days (Burlew) no IRCs (Machen) 8 days (Austin) 8 days from V/S: Clive Eastwood (Castello)

CKZU, Vancouver, 6160, full data card in Lo days air (Castello)

CANARY ISLANDS: RNE, 11800, full data card from Spain in 2 months seammil for no IRCs (Gendron)

CAPE VERDE IS: Fraia, 3883, card with veri statement w/out other data in 3 weeks air mail for 3 IRCs (Gendron)

CENTRAL AFRICAN REPUBLIC: Bangui, 5038, form letter in 3 months airmail for mint stamps and French report form; all details. (Grishin)

CHILE: La Voz de Chile, colored announcer card with date only in 3 weeks for no return postage. (Martin) colored announcer? or colored card? (Ed.)

Radio Portales, 9574, card in 1 month on 9th try from Arturo Tarud Siwady, Gerente. Air for SASE (Field)

CHINA: Radio Peking, 15060, girl w/flag verie in 3 wks air (Grishin) 4 months air by beautiful landscape painting card (Castello) 2 weeks (Meehan) 27 days airmail; no IRCs (Fino) 3 weeks (Wallace) 22 days air (Willshaw) 133 days; no IRCs (Burlew) 20 days airmail (Guarducci) 22 days via airmail for 7110 kHz (D'Angelo)

CLANDESTINE: Radio Liberation, letter received in 5 months for a French report to the last address listed above. ADIR: c/o Représentation Spéciale de la RSVN, Hanoi. For 12120 kHz (Insinger) 27 weeks for 1 IRC (Padula) 10010, letter in 7 months. (Martin)

Radio Euzkadi, 13245, card in 8 months on 4th try (Lay) 12105, card in 1 year for report in French with 1 IRC (Barto) EE/FF card with tnx and promise of an attempt to give more details. Air in 7 months (Wood)

CONGO: La Voix de la Révolution Congolaise, 4765, form letter with full data in 18 days for 4 IRCs (Kaufman)

COLOMBIA: Emisora Nueva Granada, veri letter with date and veri stmnt in 2 weeks; 1 IRC sent w/Spanish report. (Martin) v/S: Lucy Rodriguez C., Secretaria (Wiseberg)

Radio Sutatenza, 5075, folder-photo card in 96 days for 2 IRCs and p/c. (Hamilton) 6075, folder QSL w/complete verie info for mint stamps in 80 days (Abraham) Emis. Nuevo Mundo, CARACOL card with date and fréq. in 3 weeks for Spanish report and mint stamps. (Martin)

Radio Vision, pic card with veri stmnt on reverse for Spanish report and mint stamps. (Martin)

Transmisora Caldas, 5020, vague letter and pennant in 6 weeks after f/up report in Spanish and 2 IRCs. V/S: Ignacio Escobar Uribe, Gerente. (Martin)

Radio Nacional, 9635, card in 2 months by air for 2 IRCs (Wiseberg) p/c w/verie info on reverse plus large pennant, orange-white-black. V/S: German Vargas. Mint stamps sent. (Abraham)

Ondas del Mata, Villivencio, 4885, letter in Spanish from J. E. Cifuentes Gerente, for Spanish report. (Padula) letter in 6 weeks (Field)

Radio Super, pennant & letter but no verification in 65 days for 3 IRCs & 1 p/card. (Guarducci)

Radio Santa Fé, EJAE, 4965, card and pennant from V/S: Luisa Mahe V. de Bernal, Gerente, in 3 wks air for 3 IRCs. (Ball) 60 days w/pennant (Rosenburg)

P

RADIO DIFUSORA DE POÇOS DE CALDAS LTDA.

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R

o. medias

PRAÇA DR. PEDRO SANCHES, 145 - 2.º ANDAR - TELS.: 2260 e 3260  
POÇOS DE CALDAS - MINAS GERAIS

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Poços de Caldas, 22 de Março de 1.973

Dear Sir.

We received your letter two days ago giving to us very important informations about our Radio Station.

Your report is correct and we are happy to know that Rádio Difusora is listened in the United States Of America.

We can tell you that your letter is the first from North America.

We have received letters from Sweden, Germany, Finland, Austria and others countries.

Now some informations about our radio station:

It has medio and short waves-1.400 and 5.015 kilociclos, the transmitter is one P.E.B. made in Brazil and has one kilowatt. It was installed by Dr. Shermann <sup>enginner</sup> and Director Ship of this Radio Station.

The table key is Gates, as you know, from United States.

Difusora is a comercial Radio Station. The programation is good music, news, sport and comentaries.

It begin work at 5.30 o'clock and finish at 12 o'clock P.M.

About Poços de Caldas, we can tell you that is a beautiful town in the south of Minas Gerais State.

It's a touristic and industrial center and was 100 yers in the last yer. Poços have about 80 thousands inhabitants.

At last I thank you very much for your informations and I hope to hear soon from you again.

Our best wishes to you.

Yours very truly

*Sid Shanon*

COLOMBIA: Ecos del Puerto Martinez, 5568, letter in 2 weeks, w/2 viewcards from Osvaldo Martinez Chaverra, Técnico Proprietario. QRA: Cra. 5a N° 30-54, Quibdo, Choco (Dexter)

COSTA RICA: Faro del Caribe, TIFC, 9645, sent full data card in 28 days for 2 IRCs. (Swatkoff) card, pocket calendar, personal letter from Sharon Saylor (Padula) 9 wks which was 1 wk after f/up (Yamron) 3 weeks w/large pennant (Martin) 18 days (Cwikla) 1 month (Lay)

CUBA: RHC, letter in 1½ months (Reeves) card in 129 days; no IRC (Burlew) 90 days for 2 IRCs (Guarducci)

Voice of Vietnam program, card in 1 year 8 months w/all details (D'Angelo) 15 months (Orcutt)

CYPRUS: BBC, 7140, card with site only in 1 month for no IRCs (Orcutt) 15420, card of Big Ben in 1 month (Field)

CZECHOSLOVAKIA: Radio Prague, 7345, p/c w/all data in 37 days air; no IRC (Burlew) airmail in 4 months for 2 IRCs w/p/c. (Guarducci)

DENMARK: Radio Denmark, 15165, black/white radiohouse aerial tower card with full data in 23 days air for English report and 2 IRCs (Willshaw) full data card in 2 mos airmail for 2 IRCs (Gendron)

DOECANESSE IS: VOA Rhodes, 6015, anniversary card in 1 month returning RP (Wiseberg)

DOMINICAN REPUBLIC: RTVD, Santo Domingo, 9505, verie letter w/beautiful pennant from V/S: R. A. Font Bernard in 70 days for mint stamps. (Abraham) 29 days for rpt in SS. (Custodio) 3½ months by air by letter and pennant (Wiseberg) 30 days by no data letter (Swatkoff)

HIN, 4910, antenna/map card in 3 weeks air for 1 IRC plus tourist info. (Castello)

ECUADOR: Radio Luz y Vida, 4825, long verie letter in 2 weeks, plus 5th anniversary pennant (Abraham)

HCJB, Quito, 9605, card in 28 days air for 2 IRCs (Fino) 3 weeks for 2 IRCs (Carlsen) 11745/15115, full data card and sked by seemail in 161 days (Burlew) 11745 kHz, Sea Wolf card (Machen)

EGYPT: Cairo, 9475, card w/full data, sked, form letter, unsigned personal letter by seemail in 48 days (Burlew)

EL SALVADOR: YSS, Radio Nacional, card with full veri and pennant in 4 months air for mint stamps and Spanish report (Yamron)

ENGLAND: BBC, letter from Miss V. R. Pressman, for Superintendent Engineer, confirming 4840 kHz, a suppressed carrier SSB transmission which is a utility transmission. But what is this for? (Reeves) The Persian Service you heard, Scott, is, according to British DXers, most likely a Daventry-Cyprus feeder. (Ed.)

BBC, 11780/11955, 15260, 8½ x 11 DX award certificate from BBC World Radio Club for September 1972 DX contest with full data and V/S: Robert Gregson; 148 days seemail for English report (Willshaw) 11750, 50th anniversary QSL in 13 days (Austin)

VOA/Woofferton, card in 6 days for 11915 kHz (D'Angelo) 3 wks (Fino) 1½ months air (Calkin)

ESTONIAN S.S.R. Tallinn, 6085, card, sked and books in 78 days seemail. (Fatterson)

ETHIOPIA: ETLF, 11955, card for mint stamps in 9 days (Abraham) 140 days for 2 IRCs (Guarducci) 84 days for English report and 3 IRCs (Willshaw) 97 days for 2 IRCs. (Austin) 11945, full data card and sked in 3 months airmail (Gendron) 3 months airmail (Rodman) 5 months (Carlsen) 85 days (King) 3 weeks (Martin)

FINLAND: OYA, Helsinki, 15185, card w/all details, sked in 17 days air (Burlew)

FRANCE: ORTF, Paris, 21645, p/p/c of the Maison de l'ORTF in 25 days for overseas programme to St. Pierre & Miquelon. (Schwartz) 60 days airmail (Guarducci)

GABON: Libreville, card w/full data in 9 weeks from V/S: Le Chef, Emetteur de Melen. Reported in English without IRCs (Martin)

GALAPAGOS IS: L/V de Galapagos, 3520, full data blue map card and personal letter

with pennant in 2 months for an English report and 2 IRCs. V/S: Jorge Narvaez.

(Martin) 2 months for 2 IRCs (Lay) 56 days air for mint stamps (Mayer)

GAMBIA: Radio Gambia, 4820, veri letter w/freq., date and verie text w/sked. 29 days airmail; 3 IRCs (Burlaw)

G.D.R. RBI, card and sked in 94 days airmail for no postage. (Guarducci) 6165, p/c in 60 days, seemail. No IRC. (Schwartz) 2 months for mint stamps (Wallace)

G.F.R. Südwestfunk, Rohrdorf, 7265 kHz, attractive card in 1½ months stating power as 300 kW! (Calkin)

Deutsche Welle, 9545, colorful card w/all data in 134 days for 2 IRCs. (Wallace) multi-coloured card in 308 days (Richards) 100 days (Barto) 4 months w/nice 73 calendar (Guarducci)

RIAS/Munich and RIAS/Berlin, 6005, card with sites in 5 weeks (Field)

Radio Liberty, 11770, full data card in 2 weeks airmail for no IRCs (Gendron)

Radio Free Europe, 7200, 3 b/w cards in 23 days (Lay)

GHANA: Accra, 6130, white card with red, yellow and green border; full data in 111 days (Self) 4980, card with all data, w/sked in 36 days airmail. (Burlaw) card in 4 months w/sked (Barto) 6½ weeks (Wallace)

GREECE: VOA Kavala, 7170, anniversary card with site and date in 30 days (Wiseberg) 3 weeks (Lay) 21 days (Schwartz) 25 days (D'Angelo) 13 days (Austin)

GUATEMALA: La Voz de Guatemala, TGW, card in 2 weeks on 4th try. V/S: R. Chenal L., Sub-Director General. Air for SASE (Field) 5 weeks on 3rd try (Martin)

TGNA, 9505, Quetzal card in 170 days from V/S: David Keeler. (Wiseberg)  
GUAYANA: GBS, 3290, v/letter w/all data by airmail in 13 days for 2 IRCs. V/S: M.A. Rayman (Burlaw)

HAITI: 4VEJ, 11835, map/QSL w/all details, sked, by airmail in 24 days for 3 IRCs.

V/S: Mrs. Kent Ragsdale. (Burlaw) folder card in 100 days (King) 6120, statue card w/all data in 3 months for 2 IRCs (Crutt) 15280, Vertiers Memorial card with full data in 151 days seemail for English report and 2 IRCs (Willshaw)

HAWAII: WWVH, Kekaha, 15000, folder card with full data in 12 days (Castello) 15 days for no IRCs (O'Malley)

HONDURAS: HRVC, 4820, card with all data, sked, 18 days air, 1 IRC. V/S: Ethel R. Fleming. (Burlaw)

Radio Progreso, letter and pennant in 25 days for 3 IRCs (Guarducci)

Radio Suyasa, 6125, new card in 1 month, personal letter and pennant from V/S: Francisco Ellortegui I., Gerente. Air for SASE (Field)

ICELAND: Rikisutvarpid, 12175, card for morning (NA) broadcast. (Hoogerheide) grey "Voice of Iceland" card; 6 weeks for 1 IRC. (Behr)

INDIA: AIR, 11810, sculpture card in 4 months on 2nd try. (Carlsen) 9912, full data card in 352 days w/sked (Mayer) 9560, full data letter from V/S: D. P. Ramachandra; 2 months airmail returning my IRC (Gendron) artistic card in 128 days (King)

AIR-Kuresong, 3355, airmail letter from K.C.C. Raja, Station Engineer. (Dexter)

AIR-Madras, letter from V/S: D. P. Ramachandra, Audience Research Officer, 15335, for report on Foreign Service transmission from Madras. All details, airmail in 5 weeks. (Padula)

INDONESIA: RRI Ambon, 4839, letter in Indonesian w/verie stmnt; 15 days air for mint stamps and rpt in II (Henderson,) 1 month air (Martin) 10 weeks (Barto)

RRI Ujung Pandang. Letter in English from V/S: Poedjono, Director for 5055 kHz. Complete power, sked, info about station, full data etc. 2 wks (Padula)

INTERNATIONAL WATERS: RNI, 6205, Mebo 2 card with no data; 2 months for report sent to Holland address (Carlsen) 2 months (Martin) 5 months; 2 IRCs (Archard)

IRAN: Tehran, 15084, white card in 2 months for 1 IRC (Wolf) full data card and literature in 1 month registered airmail for 2 IRCs (Gendron) 1 month (Cwikla)

IRAQ: Baghdad, 9745, multicolored map card in 148 days (Willshaw) bridge/map card in 99 days (Cwikla)

ISRAEL: IBA, Jerusalem, 9625, p/c in 29 days air for 1 IRC (Schwartz) viewcard of "Knesseth Menorah" memorial; plus sked airmail in 4 weeks (Padula)

ITALY: RAI, 6010, antenna/map card in 38 days seemail (Willshaw) 9575, 7 weeks after

3 reports (Fadula) full data card in 3 months for mint stamps. Card came seairmail & required 2 months for transit (Calkin) 11905, tower/map card in 25 days (Wallace) 150 days seairmail (Wiseberg) 2 months airmail (Gendron)

JAPAN: NSB, full data card and friendly letter in 2 months for an English report. (Martin)

FEN, 11750, full data letter and card in 10 days for English rpt and no return postage. V/S: DXer Bruce Reynolds. (Swatkoff)

NHK, Tokyo, 15445, Images of Modern Tokyo card in 1 month airmail w/date & frequency only given. (Grishin) Cherry Blossoms card plus large Book type calendar (Pacheco) 12 days (Burlew) card, sked and p/c (Guarducci) 3 weeks (Archard) 11815, mask card (Machen) 13 days airmail (Willshaw)

KAZAKH S.S.R. Alma-Ata, card in 35 days air in Russian w/data (D'Angelo)

KOREA (Rep): KBS Seoul, 3918, HS, personal letter from V/S: Myung Hee Won, "English Announcer of VOFK", w/standard VOFK card. Air in 4 weeks (Padula)

VOFK, 15335, card and pennant in 19 days air for 3 IRCs (Yamron) 1 month airmail for 2 IRCs (Gendron)

KUWAIT: Radio Kuwait, 15415, full data folder card in 1 month airmail for 2 IRCs. (Gendron) 15415, card in 1 month (Field) folder card in 26 days; no IRCs (Burlew) 9 weeks airmail (Martin)

LATVIAN S.S.R. Riga, 5955, five-color card w/full veri data printed in English; 2½ months; no IRCs. (Behr)

LIBERIA: ELBC, 3255, "Progress" card w/all data in 2 months for reports covering 2 days; 2 IRCs sent. (Lay)

ELWA, Monrovia, 4770, drummer card w/all details, sked, in 59 days airmail. 1 IRC. (Burlew)

VOA, 9740, anniversary card in 3 weeks air. Full data. (Castello)

LITHUANIAN S.S.R. Radio Vilnius program, 6065, 7160, 7310, 9730 kHz; 17 weeks w/crd and sked (Barto)

LUXEMBOURG: Radio Luxembourg, 6090, black/white card with color crest & full data in 153 days seairmail; English report w/2 IRCs. (Willshaw) 3 months seairmail for 1 IRC (Gendron) 6 months seairmail for 2 IRCs (Wiseberg) 14 months air (Linsmeyer)

MALAGASY REP: Radio Nederland, Talata, 11730, multicolored "Amsterdam" card w/full data in 39 days air for 3 IRCs. (Willshaw) card and pennant in 1 month (Cwikla)

RTV Malagasy, 3232, QSL & sked for 1963 rpt in French (Barto)

MALAYSIA: BBC, 9740, no data card in 20 days for 1 IRC. (Castello)

MALI: Bamako, 5955, map card of Africa; 1½ months for 1 IRC (Hagan) 4783/5995, 2 cards by airmail in 42/51 days for 6 IRCs (Burlew)

MARTINIQUE: CRTF, Fort-de-France, 3315, beach card with date and veri stmt for a FF rpt and 3 IRCs in 1 month air (Martin)

MAURITANIA: Nouakchott, 4850, map card with full data in 1 month for French report w/mint stamps. (Martin) 5 months for a French report (Martin) 1 month (L. Marshall) 4-color map card in 10 days from Roger Mouceau, Chef de Centre (Cwikla) 3 months for 3 IRCs (Reeves)

MEXICO: Radio México, XERMX, letter with all details, in Spanish; very complete. 13 weeks for English report. (Fadula) onion-skin verie for 21705; 153 days (Burlew) 2 months (Richards)

MONACO: Trans-World Radio, 7290, card showing Monte-Carlo in 4 months (Cwikla) 7 mos air (Richards) 2 months for 1 IRC (Lay)

MOROCCO: VOA Tangier, 9760, 30th anniversary card in 3 weeks for 2 IRCs (Fino)

MOZAMBIQUE: RCM, Lourenco Marques, 4891, card in 57 days air for 3 IRCs (Henderson) Nampula, 4855, card in 6 weeks w/p/c of studios. 1 IRC (Barto) Beira, 4890, card in 2 months air for 1 IRC (Field)

NETHERLANDS ANTILLES: Radio Nederland, 11730, card in 13 days air; no IRCs (Burlew)

- special European DX Council QSL for special pgm (Carlsen) 17810, card in 19 days air (Austin) EDXC QSL in 116 days air (Castello) 20 days air for 1 p/c (Guarducci)  
Trans-World Radio, Bonaire, 11815, b/w antenna card in 62 days
- No IRCs (Self) 3 months w/sked and relig. material (Wolf) card w/blue pennant in 12 days air (Castello)
- NETHERLANDS: Radio Nederland, Hilversum, 6020, colorful p/card of young girl in Dutch costume. 19 days (Fino)
- NEW CALEDONIA: Nouméa, 11710, card with date and time in 1 month airmail for 2 IRCs (Gendron)
- NEW GUINEA: Popondetta, 2468 kHz, folder card airmail in 2 weeks for mint stamp. (Padula)
- NEW ZEALAND: RNZ, 15110, blue map card in 3½ months seamail (Martin) 11780, card, sked and tourist info in 2½ months. 1 IRC sent. (Meehan)
- NIGERIA: Voice of Nigeria, Ikorodu, 15185, Nigerian flag card in 119 days air for 2 IRCs (Willshaw) 7255, green card in 1 year (Linsennmeyer) 3 months for no IRCs. (Wolf) card returning 2 IRCs (Pacheco) 57 days (Burlaw) 15 days air for Shogunle (Willshaw)  
Radio Nigeria, Maiduguri, 6100, card via Lagos w/sked; air. (Field)  
Radio Nigeria, Enugu, 4900, card stating site w/sked and form letter by 191 days seamail for no IRCs. (Burlaw)  
East Central State Broadcasting Service, Enugu, 7235, letter w/full data in 2 months air (Henderson)
- NORWAY: Radio Norway, 15175, winter scene card in 2 weeks air for 3 IRCs; all data; plus flag and booklet on Norway. (Grishin) winter night card in 15 days (King) 12 days (Guarducci) 6185, card w/full data and call letters, programme booklet and info on station. 72 days seamail. V/S: S. K. Dahl (Burlaw)
- PAKISTAN: Pakistan Broadcasting Corp., Rawalpindi sent copies of earlier QSLs not received and request for same which was forwarded to Pakistani Embassy, Washington. (Miller)
- PAPUA: VLT4, Port Moresby, 4890, p/card with map of stations in 1 month airmail; no IRCs (Kaufman) 9520, map card airmail in 7 weeks for 1 IRC. (Linsennmeyer)
- PERU: Radio Atlantida, thank-you letter and beautiful pennant in 2 weeks for a Spanish report. (Martin)
- PHILIPPINES: FEBC Manila, 15275 (test) card with all details from V/S: Joan Ross, QSL Secretary, sked, religious material. Air in 8 months! (Padula) 11890, card in 2 months airmail (Gendron)
- POLAND: Warsaw, card in 47 days (Richards) 32 days airmail; no IRC (Schwartz) 7285, card in 2 months airmail; no IRCs (Fino) 40 days for no IRCs (King) 30 days airmail; no IRCs (Fino)
- PORT. IBERA Radio, card, sked, pennant and personal letter from Gösta Åkerlund. (King) card over RTE, 9670, full data card in 1 month airmail with pennant and sked. (Gendron) 24 days airmail (Rodman)  
Voice of Hope/RTE, 9670, color map card with all data, sked; 290 days for 1 IRC. (Lay)  
Radio Free Europe, 15255, RFE card with freq. and date in 1 month by air for 1 IRC. (Wiseberg) 15115, card in 3 weeks from NYC address (Gendron) 9725, card w/sked in 20 days (Austin)  
Emis. Nacional, 6025, map card w/full data, sked; air in 23 days (Burlaw) 11840, World map card in 12 days air (Castello)
- QATAR: QBS Doha, 9570, white map card with full data in 1 month. No IRCs. (Behr)
- RHODESIA: REC, 3396, Gazelle card in 3 weeks for 1 IRC. All data. (Oroutt) 14 days for 1 IRC and newspaper article (Reeves) 11 days airmail w/full data (Rodman) 19 days for 2 IRCs (Lay)
- ROMANIA: Bucharest, card & sked in 88 days (King) 11940, card in 13 weeks (Barto) 5990, card w/all data in 7 wks for 1 IRC (Wallace) 2 months (Guarducci)
- RUSSIAN S.F.S.R. Radio Peace & Progress, 11720, 11860, card in 4 months (Barto) 9555 9 weeks (Barto)

Radio Moscow, Tula, 7245, full data card with site in 2 months air mail (Wiseberg)

Radio Moscow, Zhigulevsk, 9780, full data card for this new site in 34 days. Pacific Coast Service (L. Marshall)

RWANDA: Deutsche Welle, 11905, blue/yellow card with full data in 168 days air for an English report and 2 IRCs. (Willshaw) 6145, card in 7 days (Cwikla)

SARAWAK: RMS, 7160, Broadcasting House card with all details; 2 months for 2 IRCs. (Orcutt)

SENEGAL: Radiodif. du Sénégal, Dakar, 4890, Cora p/card w/date and time; by airmail in 22 days for 3 IRCs and an English report. (Burlaw) stringed instrument card in 15 days air for 1 IRC (Ball) 11895, full data card in 24 days air for French report & 3 IRCs (Wiseberg) 36 days (Hagan)

SEYCHELLES: FEBA, card in 25 days for 3 IRCs (Guarducci) 5 months for 1 IRC (Carlsen) 31 days (King) 3 weeks (Orcutt)

SOLOMON IS: SIBS, 3995, map card with all data in 3 weeks for mint stamps (Orcutt)

SOUTH AFRICA: Radio RSA, card for 11970 (Machen) 17 days (M. Marshall) 21 days for no return postage (Willshaw) air in 17 days (M. Marshall) 9695, flower card in 7 wks air (Castello) 21 days; no IRCs (Pino)

Springbok Radio, 11935, full data card in 3 weeks airmail for 2 IRCs (Gendron) 30 days; 1 IRC (Hagan)

SPAIN: Attractive card and beautiful pennant (Hamilton) 15145, p/c in 25 days airmail; no IRCs (Pino) Noblejas, 9520, transmitter site card in 16 days air (Castello) 11925, sked and nice pennant in 3½ weeks (Meehan)

SPANISH SAHARA: El Aaiun, 7230, personal letter in Spanish from V/S: Amparo Martin, giving full details about station and sked. Airmail in 18 days for Spanish report with 3 IRCs. Included f/up of last report, as well as fresh report. Several previous reports remain unanswered. (Padula)

SRI LANKA: Colombo, 11800, color p/card of native and drum. 3½ months. (Hagan)

SWEDEN: Swedish Telecommunications Admin., SCB2, Karlsborg, 6175, v/letter all data including power and antenna beam; airmail in 17 days. No IRCs. (Burlaw) 2 months by seemail returning my IRC (Gendron)

SEC, Karlsborg, 15240, card in 2 weeks with site (Field)

SWITZERLAND: SEC, b/w p/p/c in 74 days seemail (Willshaw) 9535, card in 2 months.

(Meehan) 6120, p/c w/full details, by seemail in 54 days; no IRCs. V/S: J. A. Chisholm. (Burlaw)

SYRIA: Damascus, 9655, card with incorrect frequency in 1 month, rgstrd. (Gendron) 9655, colored card shows globe of world w/all necessary QSL details. (Padula)

Dear Mr. Edward J. Iniger

This Card verifies your reception of :

Syrian Arab Republic Broadcasting Service

On 14.1.21 .....1973

At 20.30-22.00 GMT

Frequency 9655 Kcs Damascus, SYRIA

Power 50 KW

Thank you

Director General  
of  
Broadcasting & Television

TAHITI: Papeete, full data mermaid card in 3 months air. No IRCs sent w/rpt (Martin)

THAILAND: Radio Thailand, Bangkok, 4830, card in 72 days for 3 IRCs (Henderson)  
7105, letter in 1 month by registered air (Wiseberg)  
TOGO: Lomé, card in 2 months for 1 IRC. (Wolf) 1 month (Martin)  
TURKEY: Voice of Turkey, 11880, card in 77 days for no IRCs (Brock)

U. S. A. VOA, Greenville, 15205, card in 5 days (Wallace)

La Vo z de la OEA, 9640, verification letter from Teresa A. Findlay in 7 weeks (M. Marshall) 11740/15160, personal letter in 4 weeks airmail (Padula) full data letter (King)

URUGUAY: Radio El Espectador, 11835, white card with full information in 3 months seairmail. V/S: Hector Amengual. (Martin)

UZBEK S.S.R. Tashkent, chimes card in 66 days for 1 IRC. 9600 kHz. (Hamilton)

UNION OF ARAB EMIRATES: Abu Dhabi, 9619, letter in 2 months air for 3 IRCs. Rpted in English. (Henderson)

VATICAN CITY: Radio Vaticana, 9615, transfiguration card in 13 days (Facheco)

VENEZUELA: Radio Mundial, 5050, card in 2 weeks on the 4th try. (Field)  
Radio Rumbos, 4970, full data card in 3 months. 1 IRC (Carlsen)

YUGOSLAVIA: Belgrade, 15240 kHz, card in 7 weeks airmail. (Richard)

ZAMBIA: Radio Zambia, 3346, full data veri card in 16 days (Reeves) 11695, 1 month air (Martin) 17895, 20 days airmail (Seymour) 11880, card (Facheco) 28 days (Cwikla) 6 weeks for 2 IRCs (Carrington) 1½ months for 2 IRCs (Lay)

Special thanks to this month's reporters, many of whom have been faithful contributors for many years. Your support is much appreciated!!

Larry Abraham (MI)	James Hagen (VA)	Dennis Facheco (RI)
Malcolm Archard (MI)	Alan Hamilton (ONTARIO)	Bob Padula (Australia)
Marty Austin (CT)	Dan Henderson (MD)	Carroll Patterson (GA)
David Ball (ONTARIO)	John Hoogerheide (MI)	Scott Reeves (MD)
Pauline Brock (FQ)	Ed Insinger (NJ)	Dennis Rodman (NY)
Douglas Burlaw (PA)	Irving Kaufman (NY)	Jack Rosenburg (MA)
G. A. Calkin (ONTARIO)	Donald King (PA)	Richard Schwartz (DE)
Bob Carlsen (OH)	Ross Lay (VA)	Charles Self (MN)
Wendell Carrington (TN)	Albert Linsemeyer (IL)	Woody Seymour (NC)
Geo. Castello (CA)	Dave Machen (WI)	Ken Swatkoff (ALBERTA)
Lary Custodio (NY)	Larry Marshall (CA)	Steve Wallace (PA)
Tom Cwikla (CT)	Mrs. M. Marshall (MD)	Fred Willschaw (SC)
Richard D'Angelo (NY)	Keith Martin (PA)	Mike Wiseberg (ONTARIO)
Gerry Dexter (WI)	Tom Mayer (IL)	David Wolf (MO)
Marlin Field (MI)	Jim Meehan (CA)	Dr. Richard E. Wood,
Henry Fino (NY)	Albert Miller (OH)	(LA)
John Gendron (VA)	Patrick O'Malley (PA)	Larry Yarnon, (PA)
Ivan Grishin (ONTARIO)	Frank Orcutt (NY)	and many others since
C. Guarducci (BC)		1966!

In closing I wish only to express my best wishes to Larry and to assure him that he will have one avid reader in Spain.

NASWA's foreign language report forms are now being revised and will soon be issued by NASWA Hq. Watch for an announcement!

Headquarters will continue to insert late data when space is available. This is from the BBC MS, used by permission. We do not have authority to grant the right to further reproduce BBC MS material.

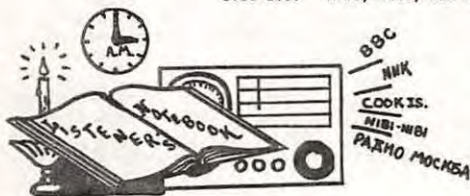
ARAB REPUBLIC OF EGYPT The frequency usage for Radio Cairo's "General Programme" and "Voice of the Arabs" services since the introduction of Summer Time on 1st May is given below:

"General Programme"

0300-0600	9455, 7225, 7075, 6170, 610, 730 kHz
0600-1000	17670, 15175, 11630, 9495 (not F.), 7225, 6170, 872 (F. on 818), 730 kHz
1000-1400	17670, 15175, 11630, 7225, 6170, 818, 730 kHz
1400-1700	17670, 11630, 7225, 6170, 818, 730 kHz
1700-1800	17670, 12005, 11630, 9475, 818, 730 kHz
1800-2250	12005, 11630, 9475, 7075, 818, 730 kHz

"Voice of the Arabs"

0200-0500	9850, 7050, 620 kHz
0500-0700	17745, 17625, 15475, 620 kHz
0700-1020	17745, 17625, 15475, 710 (F. on 620) kHz
1020-1400	17745, 17625, 15475, 620 kHz
1400-1700	17745, 15475, 620 kHz
1700-2330	9850, 7050, 620 kHz



Dan Jamison  
310 Roanoke Street  
Apartment 21  
Richmond, VA 23225

Deadline: 15th

Many thanks to FRENEX for offering us the opportunity to serve as the "Listener's Notebook" editor. We are tickled pink that FRENEX has offered us the opportunity to serve the members of the paramount of DX clubs, NASWA. We will strive to serve the members of NASWA to our utmost capabilities and to uphold the tradition which has led NASWA in becoming the hallmark in shortwave listening and DX clubs.

We salute the out-going editor of LN, Mr. Dan Ferguson, for a job very well done. He has indeed left us a tough act to follow. Dan, as many of you well know, is not leaving the scene, he is the executive editor of NASWA. In addition, Dan conducts much research in the field of DXing, edits portions of various sections, in addition to carrying on the duties of the headquarters.

My handle is Dan but some folks call me Jamie. I am just a young whipper snapper of 23 and attend Virginia Commonwealth University majoring in accounting. "Kinda" thought that I would get into the numbers racket (har!). I served four years in the U.S. Army and was released in 1972 after serving at stateside posts in S.C., GA., N.C., and KY in addition to duty in southeast Asia.

My shortwave listening days go back to the late 50's while living in Germany; started getting serious about the hobby in the early to mid 60's when I commandeered a Hallicrafters S-120 from my father; joined NASWA in 1966; and became bitten by the DX bug in '67 with the purchase of a Drake SW-4 which still is my main receiver. To date, my countries heard total to 172 and stations heard tallies up to 418. Some of my favorite QSL's are from Radio Fiji, Azad Kashmir, and VLK3 - 3925 received on the S-120. I am particularly interested in Asian, clandestine, and Oceania stations.

The "Listener's Notebook" section is intended to contain items which a DXer would put into his DX notebook for future reference or for mapping out a strategy for listening. For instance, we will run schedules of DX stations. No skeds of powerhouse stations please. We intend to run a few surveys to determine which stations you want to

hear and provide you with feedback which will help you tune these stations. Comments on equipment and/or techniques, etc. are also welcome from you. Remember that feature articles belong in the "Shortwave Center" and should be sent to Al Sizer; Other material which might be of general interest to DXers and SWLs is also welcome. We are always open for suggestions. This section can be pretty much what you want it to be, so let me hear from you soon, please support NASWA. All contributions are appreciated.

SURVEY We are conducting a survey in order to determine which five stations in the world NASWA members most desire to receive. Members are invited to send me post cards of their 5 most desired stations to receive. The deadline is June 30 and the results should appear in the August edition of FRENDX.

This is not intended to be one of the average, proverbial, run-of-the-mill surveys. We will provide reliable tips on how to receive the most desired stations which will give you some feedback to base your strategy on which will hopefully lead to the reception of said stations. We invite each and every member to send a post card today to your LN editor listing your choices. We need a list from as many NASWA members as possible in order to make the survey accurate and valid. Thanks for your participation. (ed.)

SPECIAL OFFER Your LN editor is offering a Thai, paper screen painting in trade for the FIRST current schedule from either Radio Republik Indonesia, South East Asia Radio Voice (SEARV), Radio Cook Island, or of some of the regional All India Radio stations. Please, no schedules from WRTH. (ed.)

AZAD KASHMIR Azad Kashmir Radio is using the new freq of 3192 and has been noted between 1410 and 1800 (R. Australia's DXers Calling via Victor Goonetilleke)

TURK & CAICOS ISLAND The new sked from VS18 reads as follows: Mon., Wed., Fri. from 1830-1845 and on Tue, Thur., and Sats. from 1815-1845 and also from 2200-2215. All transmissions are on 4788 Khz. (R. Australia's DXers Calling via J.B. Handright)

BANGLADESH R. Bangladesh has a new sked in effect and reads as follows:

0230-0300	EE to NE, India, Pakistan	9690, 15520
1230-1300	EE to Eur., W. India, N. Afr	15450, 17690
1430-1530	Bangla to India & Pakistan	15520, 11650
1700-1800	EE to Eur & Central Africa	15520, 11650
1845-2100	Bangla to Europe	9495

(R. Australia's DXers Calling via Jim Whitehead in SPEEDX-GRAM)

ISRAEL The IBA North American Service, from May 6 onwards, is scheduled as follows:

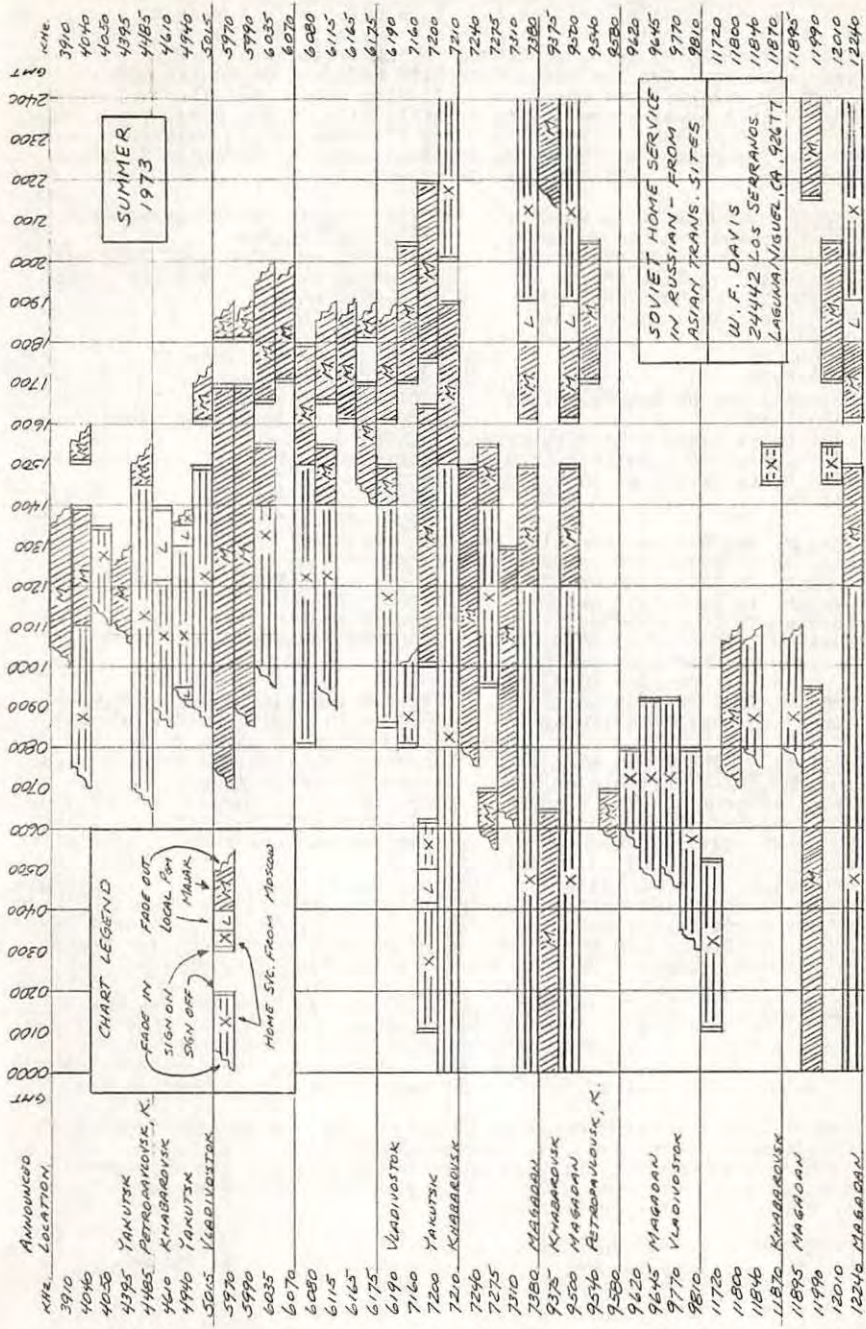
1130-1230	on 11865, 15425, 17870
0500-0530	on 9009, 11705, 11945

Programs are a relay of the Israeli HS. The first half is in EE, the second half is in FF. Rpts are welcome at P.O. Box 1082, Jerusalem. (Larry Magne)

INDONESIA The following information has been received in addition to a QSL from the Director of RRI-Ujung Pandang. (Note the correct spelling, "Udjung" now becomes "Ujung"...; as for Jakarta.) The current schedule is:

5055	20kw Phillips TXer	2200-0100 & 0800-1515
9559	7.5 kw TCA TXer	0500-0830
2490	2 kw	2200-0100 & 0800-1515
3214	0.3 kw	2200-0100 & 0800-1515

(Bob Padula, Australia)



SUMMER 1973 SCHEDULE OF "ASIAN" SOVIET HOME SERVICE Many thanks to Bill Davis of Calif. for his laborious efforts in composing his Soviet HS chart. Bill notes that Magadan now makes a "formal" s/on ancmt at 1800 GMT on 7380, 9500, & 12240 carrying their local programs. Keep your ears open for the ancmt, "GOVORITE MAGADAN, DOBROHYEH OOTRA" (Magadan speaks, good morning). Bill also notes that the "Asian" Sov. HS svc is now using new freq's of 6165, 6175, 7240, 7275, 7310, 9580, 9620, 9810, 11870, & 12010 KHz. Many of these freq's have been used in the Internat'l svc and also are duplicated by European Russian stations. (Bill Davis, California)

NEPAL According to R. Nepal, their schedule is as follows:

0020-0350 on 5000 KHz.  
0720-1050 on 7100 KHz.  
1150-1720 on 5000 KHz.  
WRTH lists Nepal's HS from  
0120-0350  
0720-1020  
1150-1720  
External svc on Sun, Tu, Th, Sat  
1420-1450  
Additional times listed by WRTH were 0905-1020 & fm 1450-1620.  
WRTH lists freq's of 5000 & 9615 (ed.)

IRAQ R. Baghdad is scheduled in  
English fm 1930-2020 on 9745  
French fm 2110-2200 on 9745  
German fm 2020-2110 on 9745  
Russian fm 1900-2000 on 7180  
Turkish fm 2000-2100 6030, 3240  
Persian fm 0800-1100 on 6095,  
and 1700-1900 6030, 3240  
Urdu fm 1400-1500 on 15400  
(Larry Marshall, California)

NATIONAL ANTHEMS In wake of the May FRENDX article on Nat'l Anthems, George Schnabel, 151 Chesterton Rd., Rochester, NY 14626, advises there is a record w/anthems of 19 African countries: "Hymnes Nationaux" (Disques OCORA, OCR 3 1, Stereo Compatible, Office de Cooperation Radiophonique). Selections played by band of the Garde Republicaine de Paris. Price: \$7. George will send any member a tape if you send him a tape and SASE sufficient for about 30 minutes, suggests 7½ ips. (Al Sizer via George Schnabel)

POST SCRIPT - ISRAEL (see Israel LN-2) George Schnabel has noted occasionally the 0500 xsmn of IBA on 9009; the 1130 xsmn had not yet been detected on any freq. George also notes a 2000-2045 xsmn on 9009, 9625, 9785, 11760, 15165 KHz. Signals were poor on 15165, 31 & 33 meters were useless, and the 25 meter slot was covered by VOA.

And so ends our first month as LN editor. We are looking forward in receiving material from you for inclusion in LN. Also post cards are welcome with suggestions. Let us know your desires for this section too. Also, please send your list of your five most desired stations to receive for the survey soon.

NEXT MONTH: How to tune Qatar in one easy lesson.

NORTH VIETNAM VOV's latest sked lists English from

0030-0100 on 10040 and 7038 KHz.  
0500-0530 on " " and 12025 KHz.  
0830-0900 on " " "  
1000-1030 on " " "  
1200-1230 on " " "  
1300-1330 on 15012 and " "  
1530-1600 on 10040 and " "  
2000-2030 on 15012 and " "  
2300-2330 on 10040 and 7038 KHz.  
FRENCH  
0400-0430 on 10040 and 12025 KHz.  
1300-1400 on " " "  
1630-1700 on " " "  
1830-1900 on " " "  
2030-2100 on " " "  
JAPANESE  
1230-1300 on 15012 and 12025 KHz.  
1430-1500 on " " "  
1600-1630 on " " "  
2130-2200 on 10040 and 7038  
(ed.)

USA OAS programming: According to Radio & TV Division (Washington), the station proposes to include EE pgm'ing shortly. The current sked shows French (Sundays), Spanish (Mon.-Fri), Portuguese (Sats) from 2345-0030 via Greenville on 15160/-9640 and Bethany 11740. (Padula)

73 and Happy Listening,

*Alan*

# CLANDESTINE BULLETIN



## REPORT ON CLANDESTINE, REVOLUTIONARY, PIRATE & ESPIONAGE RADIO & TV ACTIVITY

Larry Magne, PO Box 2133, Mid-City Station, Philadelphia PA 19103, Tel 215-KI5-7699  
Deadline: June 10

### CLANDESTINES & PIRATES: WHAT ARE THEY? WHY DO THEY EXIST?

Although most of us are aware of various details concerning clandestine and pirate radio operations -- times, frequencies, languages, and so on -- fewer of us are aware of why these stations operate to begin with. So this month Clandestine Bulletin will show what the various types of clandestine and pirate radio operations are and why each type has come into being.

#### Why do They Exist?

The usual requisite for a successful clandestine operation is the prohibition of an activity by a government while there is popular demand for that activity.

Hence, in countries where virtually all mass communications are controlled by the state, such as the Soviet Union, there exists a thirst for all forms of clandestine communications -- printed matter, recordings, and radio stations. They have, if you will, a sort of media blackmarket.

This also explains why clandestine radio has never caught on in the United States; for the most part, radio here has been widely-owned and free to do and say as it pleases, subject to the rulings of the Federal Communications Commission.

#### Many Types of "Clandestine" Stations Exist

The term "clandestine" covers a number of disparate types of radio stations; the only common bond being the sub rosa status of either the controlling organization or the transmitting facilities. In order to clarify matters, a number of more precise terms are used.

Here, then, are those terms, followed by an explanation of what each type of "clandestine" station is and why it exists.

- A. Nonpolitical ("pirate")
  1. Nonprofit ("hobby pirate" or "bootlegger")
  2. Profit ("commercial pirate")
- B. Political ("clandestine")
  1. White clandestine
    - a) Intraborder
    - b) Extraborder
  2. Black clandestine
  3. Revolutionary program

Now that we have a list of the buzz words, let's see what they mean and how they differ.

#### Nonpolitical:

These are the stations often loosely referred to as "pirates".

The "hobby pirate" (called "bootlegger" in the U.S.) is just that -- an operation run for the fun of it by radio hobbyists, especially those with a liberatarian

bent. In the U.S. bootleg activity usually takes place evenings and weekends in the so-called "broadcast band" (BCB) -- i.e., the medium-wave band -- just above 1600 kHz; or in the vicinity of the amateur shortwave bands, particularly the 40 meter band. In Europe, hobby pirates operate mainly in the medium-wave band and in the area just above 6200 kHz in the 49 meter band, with the heaviest traffic being on Sunday mornings after 0900 GMT. One of the better-known of these is World Music Radio on 6230v et al. kHz.

Hobby pirates -- usually operating from a site within the target country -- rarely carry commercial messages and tend to have a very short life span, especially in the U.S. The equipment is usually low-powered converted amateur radio gear, although only a minority of operators are licensed "hams". Broadcasting times are sometimes impossible to predict and the listening area is usually restricted. Although audience size is a matter of conjecture, it certainly is not large.

By contrast, the profit-oriented "commercial pirate" (often merely termed "pirate") operations are frank imitations of the legitimate Stateside commercial "pop" stations. "Top Forty" music predominates (although some progressive rock is heard), and commercials are the revenue lifeline. Usually some bland news is carried, as well. In order to succeed, audiences must be large, so the broadcast day is usually long and predictable, and transmitters are often moderately powerful.

These stations have so far operated mainly in Western Europe, and have included numerous shipboard operations in international waters, i.e. bodies of water outside accepted territorial waters. Perhaps the best known of the current crop is Radio Nordsee International, widely heard on shortwave, medium wave, and FM stereo.

The commercial pirate stations are usually a cause for concern by the target countries' governments, as such stations tend to undermine the cherished national radio monopolies that are the general rule in Western Europe. Not only are they subject to various forms of jamming, but the advertisers are often attacked by legal bodies. In one case, an offshore pirate radio/TV operation was actually boarded and seized by Dutch marines!

Although these punitive measures have often been successful in individual cases, the only long-term solution to the proliferation of commercial pirate operations appears to be having the domestic radio monopolies cater better to popular music tastes; or to allow legitimate privately-owned stations to compete with the state radio networks -- both of which are slowly happening throughout much of Western Europe.

#### Political:

For the most part, these are the stations referred to as "clandestines", a tricky term which -- like beauty -- reflects the state of mind of the beholder.

Although some stations are clearly "clandestine" -- such as Radio "Free Russia" (see April CB) -- others are "clandestine" or "legitimate" depending on whose side you're on.

The problem is that control over certain countries is contested, with each "side" claiming to be the sole legitimate government.

Take, for example, Indochina. Pro-Communist organizations usually consider the Vietcong's "Liberation Radio", the Pathet Lao's "Pathet Lao Radio", and Prince Sihanouk's "Voice of the National United Front of Kampuchea" to be the legitimate national broadcasters for South Vietnam, Laos and Cambodia, respectively. But pro-Western organizations regard Saigon's "VTVN", Vientiane's "Radiodiffusion Nationale Lao", and Phnom-Penh's "Radiodiffusion Nationale Khmère" as being the legitimate national broadcasters, with the aforementioned pro-Communist stations being considered "clandestine". Of course, the Communists denounce VTVN et al. as being "illegal".

There is a way, though, to clear up much of this political fog. One can check with the United Nations to see what the situation is there in terms of representation -- either as a delegate or as an observer -- and designate the recognized or quasi-recognized government's stations as "legitimate" and those of unrecognized groups as "clandestine" (or, if you prefer, "revolutionary"). This is not ideal, but it does depoliticize the term "clandestine" at least to some extent.

The main breakdown of clandestine radio operations is by intent. If it represents whom it says it does -- such as the Vietcong's being represented by Liberation Radio -- it is considered "white"...or simply "clandestine", with "white" being understood. The raison d'être of a white clandestine station is to promote the socio-political, military, and cultural point of view of a genuine insurgent group.

However, if it is a bogus operation pretending to represent an existent or non-existent organization on "the other side", it is considered "black". For example, the South Vietnamese "Voice of the Patriotic Militiamen's Front" pretends to represent a nationalist, anti-U.S., anti-North Vietnamese, anti-Vietcong group...but the station is, in fact, operated by the U.S. and/or South Vietnamese counterintelligence forces and is designed to trick the South Vietnamese peasantry into taking a stance in keeping with U.S. and Saigon government interests.

In practice, black clandestines are located in territory safely controlled by the group actually operating the station.

By contrast, white clandestines are located nearly anywhere -- in or out of safely-controlled zones; in or out of the target country ("inborder" or "extraborder", respectively). The majority operate from friendly foreign territory -- such as Radio Independent Spain from Rumania (see story, following). But some of the most exciting operations are right in the thick of contested zones...with the Northern Irish clandestines being a prime current example. Yet others operate from reasonably safe areas within the target country, such as the Pathet Lao Radio from Sam Neua and Khangkai, Laos.

Finally, related to stations operating from friendly foreign territory are those revolutionary programs unabashedly beamed to the target country over the facilities of a legitimate foreign broadcaster. Probably the best-known in this regard is the Palestine Liberation Organization's "Voice of Palestine" (see May CB & new schedule, following), transmitted over Radio Cairo, Radio Baghdad and RTV Algérie, as well as being broadcast over a clandestine transmitter in Syria. While such programs are not really clandestine, they are closely akin to and usually serve the same purposes as clandestine stations, as the concurrent Syrian clandestine transmitter clearly exemplifies.

Now that we have a general idea of what "clandestines" are and why they operate, let's take an in-depth look at one of the most interesting and famous white clandestines, Radio Independent Spain.

#### RADIO INDEPENDENT SPAIN ("Radio España Independiente")

The recent death of artist Pablo Picasso has served to remind the world, once again, of the terrible civil war that took place a quarter of a century ago in Spain.

The second Spanish Republican Government had been elected to office constitutionally in 1931, ruling precariously over a country with little experience in democracy. Then, on July 17, 1936, the army -- backed by the Falange (Fascist) Party, the Church, and the Traditionalists -- staged an armed uprising against the politically-leftist government<sup>1</sup>. This was the beginning of a bloody civil war which was to cost a million lives before it ended on March 29, 1939, with the army rebels -- led by Franco and aided by Hitler and Mussolini -- emerging victorious over the Republican loyalists -- aided by Stalin and various "International Brigades".

During the closing days of the war, loyalist refugees, Basque nationalists, and the tattered remains of the Republican Government hazarded intense rebel army fire in order to flee to safety in France. For the most part, those who survived have not, to this day, returned to Spain; instead, most of them settled in France and planned for a day that never came: when republican government would be restored in Spain.

#### Exile Radio Station Formed

However, not all the refugees wound up in France. In 1939, just before Barcelona was obviously about to fall to Franco's forces, the Russian official -- Mr. Koltsov-Ginsberg -- responsible for controlling the official Republican Government's wartime "Barcelona Radio"<sup>2</sup>, fled with an unknown number of activists of the Spanish Communist Party to Leningrad, where they revived "Barcelona Radio" as an exile voice.

<sup>1</sup>As of early 1936, the Republican Government was ruled by a "Popular Front" of political organizations; the dominant force, however, was the Spanish Communist Party (PCE).

<sup>2</sup>"Barcelona Radio", which operated from 1936, is the station title given by a lay source; the official station name may have been somewhat different.

In 1941, though, "Barcelona Radio" apparently ceased broadcasting and "Radio Independent Spain" came into being in its place. It seems to have remained on the air ever since -- even during the WW II years -- from various sites throughout the U.S.S.R. and Eastern Europe.

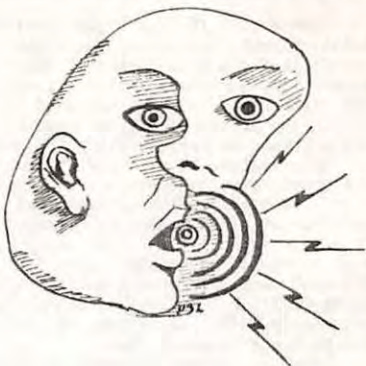
Radio Independent Spain is still on the air today, the oldest clandestine station operating. With several powerful transmitters, it makes for an easy catch in North America. It is believed to broadcast currently from Bucharest<sup>3</sup>, Rumania, apparently sharing facilities with Radio Free Portugal, another pro-Communist clandestine. However, the site of one transmitter -- operating on 15185 kHz -- is unknown.

Radio Independent Spain is jammed (just as is Radio Euzkadi, the Basque nationalist clandestine station) with beeps, whistles and growls by transmitters of Radio Nacional de España at Arganda, just east of Madrid. Nevertheless, most programs are intelligible outside the Madrid region.

Although Radio Independent Spain broadcasts some programs in the Catalan and Basque languages, the majority of program hours are in Spanish, making it easy for many American listeners to understand. Programs are politically moderately-leftish, and include coverage of illegal strikes and demonstrations, plus regular news and some music.

#### Can Be Heard and Verified

How can you receive Radio Independent Spain?



It really can't be missed when propagation from Europe is normal. Best is 12140v kHz (a bit above 25 meters) or 10110v kHz (above 31 meters and WWV's time pips) around 2000 until sign-off at 2315, but virtually all of the four transmissions are audible in Eastern North America on at least one frequency on good days. You'll know you have it at sign-on when you hear several soft chimes, followed by part of an anthem ("Himno de Riego", the Republican national anthem). It then ID's, "Atención a las ondas volantes. Habla Radio España Independiente, Estación Pirénica" ("Pay attention to the airwaves. Radio Independent Spain speaking, the Station of the Pyrenees"). As indicated earlier, it's not in the Pyrenees, but this little fib adds to the mystique.

Now, after you've heard it, there's a nice bonus. They verify, and what a verification card it is! An original color printed card by Pablo Picasso (one of the station's longtime supporters), depicting a dove of peace hovering over Spain. The sample shown at left in black

<sup>3</sup>However, Cluj, Rumania, was reported by a Swede a few years back.

and white doesn't begin to do it justice. Even if you don't collect QSL cards, you'll want this unusual souvenir!

To get it, send your report (in Spanish, French or English) to Box 359, Prague 1, Czechoslovakia, where it will be forwarded to the headquarters of the Spanish Republican Government-in-exile in Paris. Should that pose any problem -- or if you are inclined to personal visits -- you can try contacting the Spanish Communist Party (Santiago Carrillo, Chairman) at the French Communist Party's headquarters: Parti Communiste Français (PCF), 2 Place du Colonel Fabien, Paris 19<sup>e</sup>, France. Return postage (IRC's or a 1.50F French mint stamp), although not mandatory, helps ensure a reply.

The station's present schedule is:

0600-0655 7690v, 10110v, 12140v, 14485v kHz  
 1300-1355 10110v, 12140v, 14485v, 15507v kHz  
 1600-2315 7690v, 10110v, 12140v, 14485v kHz  
 2005-2025 15185 kHz, site unknown, may not be daily.

#### Republican Government Still "Rules", Says Mexico

An interesting footnote is that one country -- Mexico -- still recognizes the Spanish Republican Government as the sole legitimate government of Spain and maintains "diplomatic contact" with Spain through it. Those interested in further information on Republican Spain or Radio Independent Spain can thus contact the Chargé d'Affaires, Sr. Manuel Martínez Feduchy, at the embassy in México City: Embajada de España, Calle Londres 9, México, D.F., México.

Another organization useful in providing information is right here in the U.S. and headed by Pablo Casals: Spanish Refugee Aid, 80 East 11th Street, New York, New York 10003 (Telephone 212-OR4-7451).

Special thanks to clandestine expert Don Jensen for providing much of the qualitative material for this article. Also, BBC Monitoring Service, Edouard Brunet, The New York Times, Richard Wood, and cartoonist Diane Lévesque.

#### VOICE OF PEACE'S ABIE NATHAN VANISHES IN SPAIN!

Before giving out with a single "Salaam" in the Middle East, the would-be clandestine radio, Voice of Peace, has already been dealt a harsh blow by none other than the Spanish police, who apparently are holding incommunicado the ship's skipper and driving force, Abie Nathan.

After a voyage filled with serious mechanical difficulties and leaks, the Peace Ship docked at Cadiz, Spain, for repairs, then tried to berth later at Málaga for further repairs.

Mr. Nathan went ashore at Málaga by tender boat, only to mysteriously disappear. The anxious crew was finally told by the authorities on April 14 to leave Málaga, and later that night a sinister group of 28 Spaniards appeared as though "they were about to seize the ship", whereupon the ship limped to Marseilles, France, where it was given a warm welcome by the curious townsfolk.

The Voice of Peace is now lying silent at the Grand Jetée, Poste 128, Marseilles, but can't be phoned or written there. However, their agent, "Michaelides", 7 Rue Beauvau, Marseilles, will forward any letters to the ship.

Footnote: SCDX reports the Voice of Peace broadcast off New York from 2000-0200 March 16-17 on 1540 kHz in an effort to raise funds, but this hasn't been confirmed yet by reliable North American DX circles. SCDX further indicates the Voice of Peace will transmit 4 miles off Famagusta, Cyprus, initially using low power.

For further information, please reference the April & May editions of CB.

Thanks to Steve Bohac and The Dispatch of Union City, N.J., for the preceding!

#### NEW CLANDESTINE SCHEDULES

RADIO LIBERATION ("Radio Libertação"): Now traced 0700-???? on new 7300 kHz; plus

former 2000-2300 on 6240 kHz; jammed by a two-tone beeper (Glenn Hauser).

VOICE OF PALESTINE ("Baut al-Filistine"): See May CB-4. 1630-1730 via R. Baghdad now 692, 3960 (or 7225). Via RTV Algérienne 1830-1930 now 533, 548, 980, 11715, 11835, 11910, 15160, 17790, 17880. Via R. Cairo and Dar'a, Syria, unchanged.

VOICE OF FREE ANGOLA ("A Voz de Angola Livre"): See May CB-2. Via Voice of Zaire, now 1800-1830 Mon & Fri on 692, 836, 1448, 4880, 7115, 9770 (Irr.), 11795, 15245 kHz & 90.0 MHz VHF (BBC Monitoring Service, copyright).

FLASH -- VoPeace fired up by Nathan about May 18 on MW...also has ham SW rig (UPI)

# Harmonics



Glenn Hauser  
Box 300 (new)  
Von Ormy TX 78073

HOW DO NASWA members feel about harmonics and the rational arguments we have made in favor of them recently? Most say nothing--but the following extracts are a fair sampling of the comments received here:

"How dare you consider MW harmonics as SWEC stations? Hi! Actually it doesn't make much difference to me. If I ever count up SWEC countries hrd or verified, I'll certainly include any hrd via MW harmonics if possible w/o worrying about what the NASWA CLC has to say. ... Do I detect a slight error in May HHH? You say, '...while images and mixing products peak at other points.' You are of course referring to internal mixing products, as mixing products can also be formed externally in which case they peak 'correctly.'" --Bob Bundy (right you are! -ed)

"Harmonics have never been 'my bag', perhaps because I've never received the exposure (as purely SWEC, not even utes' reason? 1st club was NASWA, and got into all-SWEC rut) ...Should be interesting, Glenn. This is your chance to 'convert' me. I'll offer an open ear, but I don't guarantee that it will be easy!! hi hi" --Ralph W. Perry

"The rule excluding MW harmonics has been part of the station counting rules for several years and there have been no other interested parties who have even so much as questioned it, much less expressed any real desire to have it changed. ...And there is absolutely no movement supporting MW harmonics as SWEC. Ok, our members may be rigid in their definitions, may be shortsighted, but we have no reason to believe that there is any interest, except for a few such as yourself, in anything other than a down-the-line SWEC list, with a rather fixed idea of what SWEC is. ...The committee feels, as a unit, that /MW harmonics/ are as different from what has been traditionally considered SWEC as MW, utes, etc. and that there is no indication that NASWA members, as a whole, have any desire to have them considered SWEC." --Don Jensen, Country List Committee Chairman (writing before the May HHH appeal -ed)

"Am enjoying harmonics (in the absence of FM DX)...Let me know of any interesting harmonics; I'll really try for them." --Dr. Richard E. Wood

"I'd like to say that I'm in full accord with your ideas on harmonics...I will be more than happy to help voice a most positive opinion toward harmonics. I feel sure other DX'ers feel the same too." --Larry Van Horn

"You can classify me as a 'skeptic' as have never heard a bona fide MW harmonic out here...So far the 120M band has never netted me a Latin American station!" --Bill Flynn, California

"I liked your article entitled HARMONIC HUNTING with HAUSER... Today I ran into another VOA signal on 19725 give or take 5 which I cannot figure out as a harmonic or a signal that can be treated by adding or subtracting 910 which is twice the IF frequency of my set." --Ken Earhart

This is one of VOA's fixed (PTP) transmitters, operating as a point-to-point feeder for an overseas relay station. It's really on 19723, I believe; normally, the reduced carrier VOA uses on these (similar to SSB scratchiness) sets them apart, but sometimes they run full AM. Wouldn't it be nice if VOA moved more of its feeders out of the ISWEC bands? In truth, VOA itself seldom regards its domestic transmitters as primary listening frequencies for the overseas audience (except Latin America). This illustrates the care one must exercise when tuning outside the bands for harmonics--not all programmed audio you hear will be from harmonics:

In contrast to the above comments, late word from HQ is that "The 'campaign' for harms has resulted only in negative responses, at least in what is received here. And it has been considerable!" --Dan Ferguson ("Negative responders" are urged to let this editor have the benefit of their views, too! -ed) Meanwhile...

**Open up a whole new world** ...until the next,  
73 de Glenn

# MAIL CALL

LETTERS FROM MEMBERS WITH PROBLEMS

Edward C. Shaw  
621 Burleigh Avenue  
Norfolk, Virginia 23505



Deadline: 20th

Dear Ed: Can you tell if an outdoor antenna would help my portable radio?

Answer: Mike, you just don't realize how much of an improvement that would be. Some get good results by just attaching the lead-in wire to their portable's collapsible antenna. Many SW portables do not use the external collapsible antenna for SW and instead employ a ferrite rod within the set. In this latter case, you can simply, but carefully wind a few turns of insulated wire around the ferrite rod. This wire is attached to the external antenna. There is no actual connection in the set itself, just leave the end of the wire insulated after making the turns.

Dear Ed: I see many members of NASWA and other clubs own military surplus receivers. Where can I find out about this equipment? Is it for sale to just anyone?

Answer: The answer given to me by Defense General Supply Center in Richmond, Va. was - yes, it's available to anyone. BUT, there's a process to go through. First, you have to have a permit to buy government surplus. This may be obtained by writing: Department of Defense Surplus Sales, P.O. Box 1370, Battle Creek, Michigan, 49016. Tell them what kind of equipment you are interested in, and what area of the U.S.A. you would be interested in. Periodically, you will be sent brochures for the type equipment you want, and where it is available in the area you specified. All equipment is sold by sealed bids. A percentage is required with each bid. If your bid does not win, your deposit will be returned. The SP-600 owned by your editor is surplus equipment - acquired new, still with its foil wrappings - at about 15% of its original \$1,600 government price.

Dear Ed: It seems that NASWA once had contests - as have some radio stations. Is there any plan for contests in the near future?

Answer: I like contests - and usually play along for the fun of them. However, in the past NASWA has found that contests are evidently not popular except for a very few. We do not rule out the likelihood of ever having one again. The trick seems to lie in devising a contest whereby most members could enter if they desired, regardless of their equipment advantages. Have our members any suggestions? On a related matter, though, I have available a 100 question DXer's Examination in two versions: one in written form, and another on cassette tape which includes sound questions. Any person desiring information can send me a self-stamped envelope.

Dear Ed: What are the advantages of using earphones versus speakers with receivers?

Answer: Besides the obvious advantage of screening out disturbing room conversation, traffic noise, etc. with earphones over your ears, remember that a speaker has a greater frequency response range than a good communications headset. A speaker is great for enjoying music on radio, but to catch the DX one has to sift out the muffled voices from the rest of the "mud". Since headphones are limited in response much of the low-frequency rumble and high frequency hiss and crackle are attenuated.

Dear Ed: Some of my correspondents have QSL cards of their own with their WDX number or other club registration. Where can I get some cards like this?

Answer: I wouldn't have thought this was such an interesting item, but I got three similar questions within a month and decided it might be worth it to mention these cards are produced by several small printing companies, usually amateurs themselves, and are advertised in the classified sections of magazines such as QST, CQ, 73, or Electronics Illustrated. They cost between \$8 - \$20 per hundred depending upon how lavish a design you want. I've had some in far past years, but may be forced to get some more to exchange with the ones sent me. Lots of listeners enjoy them.



# HEADQUARTERS CALLING

NASWA, P.O.Box 8452, S.Charleston, W.Va. 25303 USA

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This month Dan Jamison begins as editor of the LISTENER'S NOTEBOOK. And he begins with a very fine effort, as you'll see when you turn to that section. Elliot Straus begins as editor of the lower  $\frac{1}{2}$  of LOG REPORT, and he also has done an excellent job. ...Don't forget the new address of the LOG REPORT! And the new address of the QSL REPORT, as Larry Yamron will be editing that section beginning with next month's issue.

The NASWA CLOTH JACKET PATCH HAS ARRIVED, and has been mailed to all who ordered it. The design is that of the NASWA rubber stamp, with a black background, the circles in green, and the lettering in gold.

Comments - all favorable - are coming in on the special publications released last month. The "Niblack Reprint Booklet" has been described as "great", "excellent", "the best explanation of the three 'S's I've seen", etc. (Incidentally, the booklet has instructions for building a simple antenna tuner in it - very useful.) .... Be sure to get your order in for special publications:

\*\*\*\*\*  
Several years ago FRENDX carried a page of data each month, in the HDQ section, called "Around the Clubs", mentioning highlights of bulletins from other DX clubs. We are planning to reintroduce this feature to the HDQ section in an effort to acquaint NASWA members with other clubs, and to pass along information which is of interest to an SWEC DXer. The clubs covered will be ANARC clubs, plus a rather wide selection of overseas clubs - Australian Radio DX Club, Danish Shortwave Club International, Cimbrer DX Club, South African DX Club, Finlands DX Club Internat'l, Japan Shortwave Club, Benelux DX Club. The ANARC clubs with whom we are currently exchanging bulletins are ASWLC, CIDX, NNRC, SPEEDX.....We trust members will find this feature to be interesting and useful.

\*\*\*\*\*  
There are, on the following two pages, two letters concerning DX conventions which will be held this summer. The letters pretty well explain things, so they are presented in their entirety. Members who plan to attend conventions (and we urge you to do so - you'll have a great time, and pick up a lot of useful information) should contact those in charge as soon as possible. Often there are others from your area attending also, and many make arrangements to travel together, thus reducing the total expenses.....Those who have previously attended DX conventions can attest to them being interesting experiences....And, if for no other reason, you should attend the ANARC convention because Charlie Loudenboomer will be there! (CIDX should be prepared for him, too, as we've heard mutterings abt him being there!)  
CL says, "Attend a convention!"

\*\*\*\*\*  
The DXing book we mentioned a while back...It's not completed yet, but some details are available. It will contain the band surveys currently in preparation, as well as some additional material. If you have material (articles) you think should go in the book you are invited to submit it. We are interested in material beyond the beginner stage for this book. Material, questions, etc., can be addressed to NASWA HDQ.



## INTERNATIONAL RADIO CLUB OF AMERICA

3266 NUTMEG ST.  
SAN DIEGO, CALIF. 92104  
MAY 17, 1973

DEAR EDITOR,

AL REYNOLDS, EXECUTIVE SECRETARY OF ANARC, JUST INFORMED ME THAT THE SITE OF THE 1973 ANARC CONVENTION WILL BE SAN DIEGO. WE WOULD GREATLY APPRECIATE IT IF YOU WOULD PUBLISH THE FOLLOWING INFORMATION ABOUT THE CONVENTION IN YOUR BULLETIN AS SOON AS POSSIBLE, AND IN AS MANY BULLETINS AS POSSIBLE BEFORE THE ACTUAL DATES OF THE CONVENTION. THIS IS ESPECIALLY IMPORTANT BECAUSE OF THE JULY 13 DEADLINE FOR CONFIRMED ROOM RESERVATIONS.

PLACE: FABULOUS INNS OF AMERICA, 2485 HOTEL CIRCLE PLACE, SAN DIEGO, CA 92110

TIME: FRIDAY, JULY 27 TO MONDAY, JULY 30, 1973

ROOM RATES: (ALL INCLUDING TAX) SINGLE: \$13.65 PER NIGHT

DOUBLES: QUEEN \$16.80; KING \$18.90; STUDIO (\$18.90); 2 DOUBLE BEDS \$21.00

STUDIO-- 3 IN A ROOM \$6.25 PER PERSON

QUADRUPLE: \$5.25 PER PERSON PER NIGHT

HOTEL RESERVATION DEADLINE: FRIDAY, JULY 13, 1973. AFTER THAT, THE CONVENTION COMMITTEE WILL NOT BE RESPONSIBLE FOR RESERVATIONS. PRIOR TO THAT DATE, THE COMMITTEE WILL HANDLE HOTEL RESERVATIONS (WITH ONE NIGHT'S DEPOSIT) AND WILL ATTEMPT TO FILL ROOMS WITH 3 OR 4 AS FAR AS POSSIBLE, IF REQUESTED. WARNING: SAN DIEGO IS A FAVORITE SUMMER VACATION SPOT, AND IT MIGHT BE HARD FINDING A ROOM AT FABULOUS INNS OR AT A NEARBY HOTEL OR MOTEL IF YOU WAIT TOO LONG.

CONVENTION REGISTRATION FEE: \$5.00 PAYABLE IN ADVANCE OR AT CHECK-IN. SPECIAL REGISTRATION FEE FOR THOSE ATTENDING ONLY ONE DAY: \$ 2.00

BANQUET: SINCE FABULOUS INNS DOES NOT HAVE ITS OWN RESTAURANT, THE BANQUET WILL BE HELD AT THE HANALEI HOTEL WITHIN WALKING DISTANCE. THE COST HAS NOT YET BEEN DEFINITELY DECIDED, BUT WILL BE IN THE RANGE OF \$5.50-\$6.50, INCLUDING TAX AND TIP.

TENTATIVE CONVENTION SCHEDULE:

PRE-CONVENTION: TOURS OF SAN DIEGO AREA, INCLUDING TIJUANA, B.C., MEXICO;  
THE WORLD FAMOUS SAN DIEGO ZOO AND/OR WILD ANIMAL PARK; SEA WORLD.

FRIDAY, JULY 27: REGISTRATION, INFORMAL DISCUSSIONS, TECHNICAL SEMINAR

SATURDAY, JULY 28: TOURS OF LOCAL STATIONS, DISCUSSIONS, BANQUET, GUEST SPEAK

SUNDAY, JULY 29: SOFTBALL GAME, BEACH PARTY, TECHNICAL SESSION OR GUEST SPEAK

MONDAY, JULY 30: CHECKOUT

FATHER JACK PEJZA, 3266 NUTMEG ST., SAN DIEGO, CA 92104 (714-282-0076)

I PLAN TO ATTEND THE ANARC CONVENTION. PLEASE SEND FURTHER INFORMATION (SELF-ADDRESSED STAMPED ENVELOPE ENCLOSED.)

I WANT TO RESERVE A HOTEL ROOM: SINGLE \_\_\_ QUEEN \_\_\_ KING \_\_\_ STUDIO \_\_\_ DOUBLE-DOUBI  
STUDIO FOR 3 \_\_\_ QUADRUPLE \_\_\_. I WILL STAY AT THE HOTEL THE NIGHTS OF 6/27  
6/28 \_\_\_ 6/29 \_\_\_ OTHER \_\_\_. I PLAN TO ATTEND THE BANQUET \_\_\_. ENCLOSED IS MY  
REGISTRATION FEE OF \$5.00 \_\_\_. ENCLOSED IS HOTEL DEPOSIT (REFUNDABLE) OF \$ \_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

# CIDX

BC - SW - DX CLUB

R.R. # 2  
Uxbridge, Ontario  
Canada L9C 1K0  
May 13, 1973

Dan Ferguson  
NASWA Executive Editor  
P.O. Box 8452  
So. Charleston, W.Va. 25303

Dear Dan:

On behalf of the Canadian International DX Club, I would like to ask NASWA a favor. I hope that you can help us.

CIDX is 11 years old this summer, but only in the first few years of our existence did we have our own conventions. As a result of the growing popularity of area get-togethers amongst DXers and numerous requests that CIDX hold a convention, plus the fact that this is World DX Friendship Year, we have decided to organize a 1973 CIDX Convention.

The location will be Kingston, Ontario ( a small Canadian city, rich in history ) and the date is August 4th, and possibly also the 5th if support is great enough. CIDX would appreciate its colleague and friend, NASWA, mentioning the 1973 CIDX Convention in Friendx. We welcome all DXers to our "weekend of fun and DXing" and we hope that we may offer them something which they will always remember.

As plans progress, we will keep NASWA and its members informed. Ideas and suggestions, from all DXers, for our endeavor are welcome. Those interested in attending should write to CIDX HQ, c/o Lorne Jennings, Executive Secretary, 169 Grandview Ave., Winnipeg, Manitoba R2G 0L4 and ask for the "CIDX Convention Questionnaire".

Many tnx to NASWA for this opportunity to speak from the pages of Friendx and I hope to see many NASWA members at the CIDX Convention.

73 in '73,

Harold T. Sellers

CIDX Convention Committee

CANADIAN INTERNATIONAL DX CLUB



# Log Report

NASWA LOG REPORT  
M. R. LEONHARDT  
P.O. BOX 13  
LIBERTY, INDIANA 47353

(Reports to above address)

Deadline: 12th of month)

## The section editors:

Elliot Strans	Fred Heutte	David Potter	Jerry Lineback
300 Brindley Avenue	1600 Newton St.NE	1307 Reynolds	411 South Fourth
Bradley Beach, NJ 07720	Wash. DC 20018	Key West, FL	St. Joseph, IL
		33040	61873

PLEASE, when reporting, use standard size (abt 8½ inches wide) paper! Your LR editors have to go through hundreds of items each month, so please make it easier on them. In addition to using standard width paper, items must be listed in order by frequency, your name(last name) must appear after each item, you must leave space between each item, and they must arrive on time. Thank you!

In spite of generally poor conditions, there have been some good days for DX...

- 2200h NICARAGUA La Líderen Audencia, Managua 0223-0300\* Hit Parade Musical prog. 2X1100 (Hauser)
- 2446 REUNION 0230-0330 FF & pop mx (Hagen)
- 2880h COLOMBIA R. Reloj de Tulud nightly on 2X1440 (Hauser)
- 3220 N.GUINEA R.Morobe 0950-1030 OM Vernac. tx & ch. (Reeves)
- 3223 UN ID Asian 1051 mx poss. RRI Mataram p (WILLIAMS)
- 3227 LIBERIA ELWA 0615 tlk ny m in vernac. (Burlew)
- 3245 PAPUA R. Kerema 1029 pidgin & ch. f (Williams)
- 3250 S.AFRICA SABC 0130 EE mx,ads (Zilmer)
- 3260 N.GUINEA R. Madang 1020 pops&pidgin f (WILLIAMS&Reeves)
- 3286 PHILIPPINES PBS 1200-1300 EE ID, rel px (Matsura)
- 3290 GUYANA GBS 0930 light mx EE (Burlew),=0400-0430 EE anmts at 0430 (Lineback, Agner)
- 3300 BR.HOND. R. Belize 0510-0720 EE & inst mx (Reeves)
- 3300n GUATEMALA new freq. 0729 pop mx (Hauser)
- 3305 PAPUA R.West.Dist. 1015-1040 EE c&w (Reeves)
- 3307.5 RHODESIA 0350-0400 pops g (Reeves)
- 3315 MARTINIQUE Fort de France 0255-0310\* FF mx s/off NA,IS (Lina Back)
- 3316 SIERRA LEONE 0540-0600 Afr mx (Barto,Burlew,Cwikla), 2245-2330 s/off EE pop mx (Lineback)
- 3320t BOLIVIA R.Pirai 0405-0430 SS LA mx (Barto)
- 3322.5 BOUGAINVILLE RB 1100 lcl mx pidgin tx (Williams,Reeves)
- 3325 ECUADOR Ondas Quevedanas 0407-0430 SS mx (Barto), 0430-0530\* on 3320(Field) list as 3325-ed.
- 3325 BRAZIL Two listed 0430\* mx prg. w/ID barely aud. (Field)
- 3300 GUATEMALA TGNA 0350-0410 EE, rel mx, 0205-0300 SS/EE (Lineback)
- 3335 BRAZIL R.Marajoara 0905 soft mx PP (Reeves), 2340-0000(Barto)
- 3335 N.GUINEA R.Wewak 1000-1045 vernac. tx some EE church mx(Reeves)
- 3339 TANZANIA Zanzibar 0315-0430 Afr mx drums, lang. (Hagen)
- 3346 ZAMBIA Lusaka 0245-0415 Afr mx EE nx-0300,0355 (Hagen)
- 3346 S.AFRICA SABC 0439-0500 EE ads, afr mx (Barto)
- 3350 GHANA Ejura \*0530-0715 Afr mx, EE nx-0600 (Hagen,Cwikla,Burlew 2230-2300\* EE nx-2245 (Hagen)
- 3355 N.CALEDONIA \*0600-0745 FF pop mx (Hagen)
- 3355 VENEZUELA R.Valencia 1000 nx (Field)
- 3360 PAPUA R.Milne Bay 0950-1030 EE & lang. ID's (Reeves)
- 3375 ANGOLA Em.Of. 2305-2350 PP nx, vocal mx VG (Reeves)
- 3375 BRAZIL R.Olinda 2347-0000 PP pop mx, ads (Barto,Miller)
- 3378 ECUADOR R.Iris 0400-0416 SS LA mx pops, ID's (Barto)

- 3385 N.GUINEA R.Rabaul 1115 pidgin tx & lcl mx (Williams&Reeves)  
 3385 BRAZIL R.Cl Teresina 0850-0910 (Reeves), 2350-0000(Barto)  
 3395 BRAZIL R.Cl do Conquista 2328-2347 PP light mx ID's (Barto)  
 3396 RHODESIA RBC Gwelo 0405 EE nx 0410-0500 pops, ads (Zabransky, Barto,Reeves)  
 3520v GALAPAGOS LVG 0130-0230 vg (Reeves)  
 3668 TIMOR R.DILI 1200-1225 PP nx VG (Behr)  
 4066 INDONESIA Merauke 1037 local ID (Padula-Aust.)  
 4500 AUSTRALIA VNG Lyndhurst 1015- Time sig. voice anmts // 7500, 12000(Straus)  
 4610 USSR Khabarovsk Home svc. RR 0900-1400\* (Davis)  
 4627 SP.SAHARA 2318 SS pop mx (AEM)  
 4701v BOLIVIA R.SAN MIGUEL 0000-0050 rel mx, SS, ID 0034 (Reeves)  
 4740t MALDIVES 1640-1730\* EE rel tx (Matsura)  
 4755 COLOMBIA Em.Nuevo Mundo 0338 SS ID, LA mx (Miller,AEM)  
 4764 INDONESIA RRI Medan 1058-1330 local mx (Behr,Reeves,Padula)  
 4765 CONGO RTVC 2300\* FF (Lay), 2338 FF px (Wallace,AEM)  
 4770 VENEZUELA R.Bolivar 0020 SS Amer & LA pops (Miller)  
 4770 LIBERIA ELWA 0630 Afr mx (Wallace,Burlew,AEM)  
 4774 DOM.REP. Onda Musical 0330 SS La mx (Burlew)  
 4777 GABON RTVG 2300\* Afr mx, FF (Lay,Cwikla)  
 4781v MALLI RB 2200-2350 (Reeves)  
 4781.5 HONDURAS R.Juticalpa 1040-1130 SS,ads, IS's Exc. (Reeves)  
 4785t PERU R.Atlantida 0400-0430 SS Iguitos ment. (Willshaw)  
 4790.5 ECUADOR R.Atalaya 0320-0400 SS tx, w/ID, tc (Reeves)  
 4794 BRAZIL Tabajara 2205-2300 PP tx,mx, ID, tc (Reeves)  
 4795 BRAZIL R.Congonmas 2330-0000 PP mx,cmtry (Willshaw)  
 4795 ECUADOR LV de los caras 0347 SS ID, LA mx (Miller)  
 4800 VENEZ. R.Lara 1015 LA mx, ID (Williams,AEM)  
 4800 ECUADOR R.Popular 0405-0540 (Reeves), to 0558\*(Behr) list 4807  
 4810 VENEZ. R.Popular 0030-0100 SS mx, ID's (Willshaw) 8d.  
 4814.5 UN ID Asian 1030 RR? YL,class mx, (Reeves)  
 4815 UN ID African 2306 tx in Swahili but no FF (Williams)  
 4820 GAMNIA R.Gambia \*0630 IS, chants (Sparks,AEM)  
 4820 HONDURAS Voz.Evang. 0331-0401 EE mx, rel tx (Hermann)  
 4825 DOM.REP. LVFuerzas Armadas "" 2302 ID, nx (Miller), 0240-0415 (Willshaw,Burlew)  
 4830 VENEZ R.Tachirá 0200 Mex/mx TC (Hauser,Reeves,Sparks)  
 4832 COSTA RICA R.Capital 0358-0430 SS mx (Willshaw)1130(Williams)  
 4839 ZAIRE R.Bukavu 0405 local mx FF (Reeves,AEM)  
 4843 CONGO 0500-0510 Native mx, nx (Barto)  
 4845 BOTSWANA RB 0430-0500 EEnx, vernac nx, mx (Sparks,Cwikla,Barto, Zabransky)  
 4845 MALAYSIA 1035-1130 chants,lang tx (Reeves), Kuala Lumpur Indian Svc. 2200-2300 (Padula-Aust.)  
 4850 MAURITANIA R. diff. 0707 AA & FF Afr mx AA nx 0712 (Burlew)  
 4855 INDONESIA RRI Palembang 1045-1130 (Reeves)  
 4860 VENEZ. R.Maracaibo 0000-0230 SS LA mx (Burlew,Agner)  
 4865 AZORES Em.Reg. 2230-2300 PP tx (Cwikla)  
 4870 DAHOMEY 2250-2300\* FF mx (Willshaw),0515-0530 FF Afr mx(Tschr)  
 4871 W.IRIAN RRI Sorong 1200 nx (Behr)  
 4880 DOM.REP. R.Comercial 0545 LA mx (Wallace) 2225 (Padula)  
 4884 COLOMBIA Ondas del Meta 0015-0430 LA mx (Reeves)  
 4885 BOLIVIA R. Sararenda 0403-0424 SS mx ID (D'Angelo)  
 4890 SENEGAL R.diff. 0700-0715+ FF & Sengal. tx (Burlew,Wallace)  
 4890 PAPUA 1100-1135 EE nx (Williams,Agner,Matsura)  
 4895.5 ANGOLA R.Cl de Bie 2225-2309\* PP mx, ID, TC (Reeves)  
 Not a very big section this month I'm afraid but thanks to all who contributed. RX here is a R-390 which is just superb. 73 ERS

Per letter from the station, it is TGNC on 3300, now with 500 watts, will be raised to 5000 watts in the future. R.Cultural is now operating with 250 watts on 31 meters and will eventually phase 31 meters out of use completely. They continue to operate on 5955 kHz, where they are well heard around 0315...Dan F.

Because of school exams and other commitments, Ye Ed. missed the regular LR deadline and forgot to forward the lower quarter report to Elliot Straus, so paint me red. But these are items of sufficient interest, I'll put them in here, hi!

- 2336 RHODESIA REC good at 0400 with LM, amts in lang, fade, gone after 0415, 4-16  
 2380 BRASIL R Educadora de Limeira, 250 watts, at 0200-0300 weak with PP talks, TCs, no mx or other fanfare, on 5-17, super Brazilian night  
 2390 GUATEMALA LV de Atitlan fair at 0300-0400\* with rel pgm, marimbas, IDs  
 2440 VENEZUELA R Girardot on 4-19 only with usual LA format, IDs, amts, mx, ads  
 2445 REUNION CRTF St Denis fair at 0400 on 4-17, super African night with solar flux of 81, which means super low-frequency reception  
 2450 BRASIL R Cultura de Araçatuba, 500 watts, best Brazilian on the band (never thought I'd ever make a statement like that, hi) at 0205-0400\* on 5-17 with woman singing in PP, TCs, ads, amts by man and woman  
 2480 BRASIL R Bragança Paulista weak on 5-17 with LM, talks, echoes at 0210-0230\*  
 3230 PERU R Juliaca on 5-17 very weak at 0307 with woman in SS, Andean mx  
 3240 PERU R America good at 0310 with talk in SS by a man  
 3265 BRASIL R Riberão Preto good with usual PP xmsn, ads and mx at 0135  
 3319t ECUADOR R El Mar on 4-14 only, QRM from R Estrella at 0345-0400\* with mx  
 3320 PERU R Estrella del Sur regular now at 0330-0430v\* with Andean mx, ESTICs, ads, muffled IDs  
 3335 BRASIL R Marajoara very good on 5-17 with futbol coverage, LM, PP mx, amts at 0140-0230 3339 TANZANIA RTZ best ever 4-17 with AA chanting at 0335  
 3345 BRASIL R Alvorada de Londrina fair with RTTY QRM on 5-17 with futbol cmtry in PP, break at 0200 for ID, ads  
 3521 GALAPAGOS LV De Galapagos on 4-17 only with ID at 0401\*  
 3997 SOUTH AFRICA Springbok R good with EE and pops at 0300-0430  
 4117 BRASIL Cruzeiro do Sul, 'R Difusora' list, 500 watts, PP xmsn at 0200, talks  
 4287 Unid stn on 5-17 with SS amts, singing, QRM'd and weak; no idea what it is  
 4601 BOLIVIA R Mamore poor at 0000 with SS ID, talks by man and woman  
 4701 BOLIVIA R San Miguel noted daily around 0030 weakly with SS, dialects, mx  
 4772 ECUADOR R Genit exc at 0410 with usual Andean type mx, SS amts  
 4778 ECUADOR R Nac Progreso good at 0415 with guitar mx, amts to other stns in net, breaks in xmsn, finally off abruptly at 0435\*  
 4815t BOLIVIA R Onkoi at 0445-0500\* on 4-19 with Shaft theme, amts, TCs, mx in SS, mention of 31 meter channel (rules out R Canal Manabita, as only Ecuadorian on 31m is HCJB), two-syllable ID, off with garbled ID, and unfamiliar anthem  
 4830 VENEZUELA R Tachirá at 0330-0345 with some R Capital splash, TCs, LM, amts  
 4840 VENEZUELA R Valera noted with ID in passing at 0336, mx, good and clear  
 4845 BRASIL Rdif de Teresina fair at 0200 in PP pgm (Heute)  
 4856 BRASIL Rdif Taubaté clear at 2345 with singing, ads, amts, PP ID  
 4896 PERU R Chanchamayo weak at 0355 with LA mx, ID by man on the hour (Heute)  
 Credit all of the above to your editor; it's nice to toot your own horn for a while but it's time to give some of the rest of the fellas a chance. Go to it, DXers!  
 4900 ECUADOR LV de Sasquisilí hrd as before at 0315-0330 on 4-28 (Reeves)  
 4905 BRASIL R Relógio very nice with hymns and Danny Boy at 2330 (Martin-Bu)  
 4905 COLOMBIA Em Atlantico back again at 0135, good; TCs are off 8 minutes! (Lohe)  
 4907 KHMERE REP RNK at 2210-2245 with Khmère amts, martial mx, not often heard at this time, though is regular in the 1000-1400 evening period (Padula-Pac)  
 4910 GUINEA LV de la Révolution at 2330-0015 on 5-1 when HIN off; FF and vernac, FF nx at 0001 (Reeves) † 0615 with African mx, FF amts, poor 4-20 (Wallace)  
 4915 BRASIL Rdif Macapá very good at 0845-0915 with PP man, talks, IDs (Reeves)  
 4915 GHANA OBC fair at 0720 with vernac talk, mentions of Ghana (Wallace) 2230-2803\* with vernac and EE, rel pgm, nx (Burlew, Kaufman, Willshaw)  
 4915t KENYA VOK loud but low modulation with chanting at 0455-0516, no IDs (Burlew)  
 4920 AUSTRALIA VLM4 fair-good at 1100-1140 with EE nx, opera (Miller, Williams)  
 4920 HONDURAS R Progreso good on 4-12 with SS and EE pop mx (Willshaw)  
 4923 ECUADOR R Quito fair with easy listening mx at 0410-0430, SS (Willshaw)  
 4926t EQUATORIAL GUINEA R Wata with SS, West African mx, at 2105-2138\* (Reeves)  
 4927 SUMATRA RRI-Djambi at \*2200 (list #2300) with Moslem chants on 4-28 (Padula)  
 4932 NIGERIA NBC-Benin City on 4-30 with EE rel pgm, then chants in lang (Lineback)  
 4940 IVORY COAST RTVT-Abidjan poor with FF ID at \*0600, heavy QRM from R Colosal (Wallace) 2330-0001\* with mx, FF nx, dual 11920, fair-good (Burlew, Miller)

- 4940 VENEZUELA R Yaracuy good at 0200-0230 with instrumental, pop mx (Willshaw)  
 4945 COLOMBIA R Colosal good at 0515 with SS talk, IA mx (Wallace)  
 4945 SOUTH AFRICA Springbok R fair with QRM at 0430 with EE and pop mx (Perdue)  
 4960 VENEZUELA R Sucre fair at 0350-0400 with SS, ID, talk (Lineback)  
 4965 COLOMBIA R Santa Fé good-exc with SS ID, mx at 0640-0730 (Eichenhorn, Willshaw)  
 4965 SOUTH AFRICA SABC at 0410-0435 with EE talk, US pops, ads (Perdue, Wallace)  
 4970 VENEZUELA R Rumbos good at 0020-0040 with SS pops, armts, IDs (D'Angelo)  
 4972 FRENCH GUIANA CRTF-Cayenne fair at 2325-0151\* with FF mx, talk, NA (Miller)  
 4980 GHANA GBC good at 0540-0635 with EE, request pgm, rock mx (Burlew, Hafer)  
 4985 MALAYSIA Penang noted first time in morning at 2245 with EE, pops (Padula)  
 4990 VENEZUELA R Barquisimeto strong with SS, mx at 0020-0230 (Burlew, Martin-Ru)  
 4995 BRASIL R Brasil Central fair at 0015 with PP talks and mx (Zilmer)  
 5010 DOMINICAN REP R Cristal good with SS, EE pop mx, instrumentals 0100 (Willshaw)  
 0815 with bilingual pgm by visiting Puerto Rican DJ, 'IA mx power' (Reeves)  
 5010 Unid, perhaps Nanning, at 2200 with orchestral mx, bell tones, flutes, armts in CC or Malay (Martin-Ru)  
 5015 WINDWARD ISLANDS R Grenada fair at 2248 with EE sports results (Miller)  
 5020 NIGER CRTN-Niamey at \*0530 with anthem, pips, ID, FF man, local chants (Reeves)  
 VENEZUELA R Mac at 0345-0400\* with SS, mx, ID, s/off with NA, poor (Lineback)  
 5023 ECUADOR R Centinela del Sur exc at 0330-0345\* with Andean mx, SS armts, s/off mentioning studio, AM and 60 meter frequencies, and #1145 (Heutte)  
 5030 SARAWAK RMS-Kuching on 4-13 with Bidayuh at 2230; rare in mornings (Padula)  
 5030 VENEZUELA R Continente poor with SS ID by man at 0500 (Eichenhorn)  
 5038 CENTRAL AFRICAN REP Bangui poor at 0630 with FF talk, African mx (Wallace)  
 2210-2300\* with FF, classical and pop mx, armts, good (Lay, Willshaw)  
 5040 BURMA BBS fair at 1430-1600\* with EE ID, pop mx, cmtry (Matsuura-Japan)  
 5040 PERU R Libertad de Junin now here but starting to drift back to 5042; Indian mx, SS IDs, TCs, fair with fading (Reeves, Sparks)  
 5047 INDONESIA RRI-Jogjakarta at \*1000, and at unusual morning reception #2200 (for list #2300) entry in Indon (Padula-Pac) 5046 at 1131-1150 with Indon mx, EE ID and nx by woman (Reeves)  
 5047 TOGO Lomé at \*0515-0535 with cycle tone, IS, anthem, FF ID, mx, good (Burlew, Schnabel) 2205 exc with FF nx and instrumental mx (Lay)  
 5050 ALBANIA Tirana now here ex-5064 with chants, pips at 0400-0530 (Heutte, Reeves) 2100 Albanian talks (Padula-Pac) Sorta steps on Tanzania  
 5053 CELEBES RRI-Ujung Padang with Jakarta nx relay at 2200; also 1000 (Padula)  
 5075 COLOMBIA R Sutatenza good at 0130-0200 with SS and EE pop mx (Willshaw) 2205-2230 long path on 4-13, strong, cultural mx, SS armts, not dual 5095 (Padula)  
 5568 COLOMBIA Ecós de Puerto Martínez still on 5-19 at 0115-0220 with SS, IA pops, vocals, man ancr with ID, fair at best (Heutte, Lineback)  
 5875 HONDURAS LV de Honduras at 0030 with SS, many ads, NSS QRM (Brock)  
 5930 CZECHOSLOVAKIA R Prague poor-good at 0100-0155 in EE to NA with news, views, mx, letterbox (Custodio, Eichenhorn, Malko)  
 5955 GUATEMALA R Cultural-TGNA fair with EE and SS rel pgms at 0400-0430\* (Brock, Hermann) 0500-0830\* now, dual 3300 9505 with rel pgms (Reeves)  
 5955t VENEZUELA Unid at 1030-1058 with GMT-4 TCs, chimes, mention Maracaibo (Reeves)  
 5965 BRASIL R Guaiabá good at 0000 with FF mx (Zilmer)  
 5966-5973v DOMINICAN REP RTV Dominicana at \*1030-1055 with ads, TCs, IDs, meringues, good (Lohe) Getting better, only goes to 5973 instead of 5975, hi (Reeves)  
 5970 PERU R El Sol fair with long nx at 0510 in SS (Guarducci) 1010-1030 with mountain mx, quiet man ancr, IDs, ads (Reeves)  
 5975 BRASIL R Guarajá at 2345-0000 exc with futbol, talk in PP (Lohe)  
 5980 EL SALVADOR R Nac exc at 0340-0355\* with SS, classical mx (Brock) cf 6010  
 5981 PERU R Panamericana good at 0130-0345 with SS, sports, mx (Heutte, Lohe)  
 5985 ARGENTINA R Splendid fair at 1005-1015 fade with SS nx (Lohe)  
 5995 MALI Bamako fair at 2200-2240 with FF, vernac, mx, chants (Brock, Zilmer)  
 6000 BRASIL R Inconfidência fair@good at 0020 with fast PP talk (Brock) \*0759 with IS, ID, instrumental mx, talks in PP, very good (Reeves, Wiseberg) (Reeves)  
 6002v BOLIVIA R Progreso at 0735-0815 with SS, Indian mx; lopsided modulation (Reeves)?  
 6005 CANADA CPCX good and clear at 1100 on 5-4, no R Relpj (Reeves) 1208 good with nx, wx, ID, boat ad (Miller) 1820 with EE ID, consumer pgm (Kaufman)  
 6005 ENGLAND BBC good in EE at 2150-2205 (Schwartz)  
 6006 COSTA RICA R Reloj very good at 0805 with mx, man ancr in SS (Eichenhorn)

- 6010 EL SALVADOR R Nac now here at 0105-0330 with usual SS pgms, fair (Heutte,Lohe)
- 6010 ITALY RAI fair with EE nx at 0100-0120 (Malko)
- 6010 VENEZUELA R Los Andes at \*1015-1130 with NA, ID, SS, TCs, mx (Lohe, Reeves)
- 6015 BRASIL R Clube de Pernambuco with PP talk but bad het at 0020 (Zilmer)
- 6015 COLOMBIA R Mira fair with rel pgm, mx, TODELAR ID at 1045-1105 (Lohe)
- 6015 SWITZERLAND SBC good with EE nx, mx at 0145 (Malko)
- 6025 BRASIL Em Piratininga good at 0010 with futbol (Heutte) t 0805, poor with PP ID (possibly) by man and woman (Eichenhorn)
- 6025 NIGERIA Enugu somewhat regular at 2150 with EE requests, African mx (Padula)
- 6035 BRASIL R Globo at 2330-0000 dual 11805 with primeiras noticias, talks, mx, electronic sounds part of ID, all PP, good (Heutte, Lohe, Zilmer)
- 6040 COLOMBIA LV del Tolima at 0115-0330 with SS nx, talks, IDs, mx (Brook, Lohe)
- 6050 ECUADOR HGJB good at 1100 with SS talk, mx (Cwikla)
- 6055 BRASIL R Panamericana very good at 2300-0100 with PP nx, complete ID and frequency amnt, ad for loteria federal (Heutte, Lohe; Zilmer)
- 6055 USA UN Radio at 2315 with EE ID, Security Council coverage (Kaufman)
- 6060 ARGENTINA R Nac fair at 0950-1005 with tangos, SS rel pgm (Lohe)
- 6065 BRASIL R Nac fair-good all night with PP variety pgms (Lohe)
- 6065 SPAIN RNE with EE to NA at 0100-0145 exc with nx, cmtry, mx, dual 11925 (Malko, Wooten-Morocco) 0340 with EE pop mx, amnts, nx, ID, good (Schwartz)
- 6066 COLOMBIA R Super back after short absence; 0000-0500 with SS, ID, mx, ads, TCs are in La Hora Super (Heutte, Lineback, Lohe)
- 6070 BULGARIA R Sofia at 2030-2100 with EE nx, cmtry, talk (Wooten-Morocco)
- 6070 CANADA CFRX at 0510-0625 with pop and C&W mx, fair-good (Perdue) 1825-1940 with EE IDs, nx, DJ pgm, mx (Hafer, Kaufman, Malko)
- 6070 VENEZUELA R San Sebastián at 0150 with frequent SS IDs, talks, some mx (Brook) 1020-1035 fair-good with Amanecer Venezolana (Lohe) 4-13 at 2250-2330 fade-out with dance mx, nice ID, news, ads; highly unusual long-path signal, evening reception (1000-1200 GMT) blocked by Djajapura, one of my best loggings ever due to unusual reception and propagation (Padula-Pac) FB Bob!
- 6075 COLOMBIA R Sutatenza is good-exc at 0110 with SS nx, IDs (Lohe) 0900-1130 fade-out with SS amnts by man and woman, LA mx, IDs, very good (Cwikla, Eichenhorn)
- 6080 NEW ZEALAND RNZ good with EE ID, old pops at 0610-0710 (Benley, Reeves) horn)
- 6083 PERU R Nac at 0555-0607\* with SS IDs, amnts, LA mx (Tuchscherer)
- 6085 BRASIL R Jornal do Comercio fair with PP talk and mx at 0005 (Zilmer)
- 6085 CANADA RCI good with EE at 0100-0158, nx, Weekday Magazine (Dolyak, Malko)
- 6085 GERMAN FEDERAL REPUBLIC Bayerische Rundfunk poor at 0545 with GG (Schwartz)
- 6086 COLOMBIA Onda del Darien good at 0100 with complete ID, mx, TCs in SS (Lohe)
- 6090 LIBERIA ELBC on 4-20 with vernac and EE nx, commercials, pop mx, ads at 0630-0815 fade-out (Hagen) You sure 'twasn't Nigeria? FH
- 6090 LUXEMBOURG RLI good with EE, GG at 0030-0105, nx, IDs, pops (Malko, Schwartz)
- 6090 MOZAMBIQUE RCM-Beira Dondo at \*0430-0510 fade with African and variety mx; is it dual 3370 4891? (Field)
- 6095 BRASIL R Super Tupi dual 15145 at 0030-0100 with pop mx, PP ID (Lohe) 0430 good with PP sports (Zilmer)
- 6095 COLOMBIA LV del Centro fair at 0445 with SS, woman singing (Eichenhorn)
- 6097v TUNISIA RTVT at 2300-2328v\* with AA chants, anthem; not Iraq (Behr)
- 6100 NIGERIA NBC-Maidugari at 2130-2305\* with African mx and chants, EE nx relay from Lagos just prior to close down (Padula-Pac, Reeves)
- 6105 COLOMBIA R Vision fair at 0045-0100 with SS mx and talks (Lohe)
- 6115 BRASIL R Tupi fair-good at 0030-0040 with futbol report (Lohe)
- 6115 CONGO RTVC fair dual 9715 at 2215 (list 2200\*) with African mx, talks (Wiseberg)
- 6120 HAITI 4VEH fair at 1025-1105 with SS, El Camino de la Vida (Lohe)
- 6120 SWITZERLAND SBC fair with EE nx, mx at 0145 (Custodios Malko)
- 6120 UNID poor at 1305 with talk in SEA lang by man (Wallace)
- 6125 CANADA RCI good with EE Focus pgm (H. Peters)
- 6125 USA VOA-Greenville with Polish at 0445, Hungarian 0515 with nx, cmtry, pop mx, ID, ID in EE, amnts, good (Fino)
- 6130 CANADA CHNX exc at 0417-0430 with EE, DJ with chatter and ID, male vocals (Lineback) 0620-0655 with pops, ads, IDs, fair-good until wiped out by RCI at \*0655 (Perdue) Such irony! FH 1700-1830 with EE nx, mx (Malko, Kaufman)
- 6130 GHANA Accra exc with uninterrupted pop mx to 2200 EE ID (Lay)
- 6135 TAHITI CRTF-Papeete at 0500 with local mx dual 11825 15170 (Reeves)

- 6142 COLOMBIA R El Sol fair-exc at 0800-0845 with SS mx, IDs (Eichenhorn, Wiseberg)
- 6144 NIGERIA NBC-Calabar SE State Pgm with Hausa play at 2240 (Padula-Pac)
- 6145 GERMAN FEDERAL REP DW very good at 0230-0245 with GG anmts, talk, mx (Pino)
- 6147 HAITI R Citadelle weak-fair at 2315-2355 with FF mx, ads for Nestle, ID with frequency and time sked; IDs also as La Voix de Ave Marie with background of first few bars of the Bach-Gounod Ave Maria (Lohe)
- 6150 COSTA RICA R Atenea at 0940 with man singing, SS, fair (Eichenhorn) #1000-1015 with talk about animals, mx, QRN but good (Lohe) 1120 with LA mx, ID, fair and clear (Miller)
- 6155 AUSTRIA CRF good at 2335-2345 with GG nx, cmtry, ID (Schwartz)
- 6155 SWAZILAND SR clear on 4-30 with EE anmts, pop, C&W mx, ID 0439 (Sparks) FBI
- 6155 URUGUAY R Carve weak but clear with ID at 0000 on Monday (Heutte)
- 6160 AUSTRALIA RA very good at #1700 with EE to SEA with nx, cmtry, mx (Wooten)
- 6160 CANADA CKZN at 0800 with nx (Castello) 1830 weak with ID, EE (Kaufman)
- 6160 CANADA CKZU poor at 0215-0300 with ID, anmts in Good Friday pgm (Leonhardt)
- 6160 COLOMBIA Em Nueva Granada fair-good at 0010-0040 with mx, QRM (Lohe)
- 6165 BRASIL R Cultura good-exc at 2310-0130 with PP mx, ads, anmts (Heutte, Lohe)
- 6165 MEXICO LV de La America Latina fair in SS at 0555\* (Guarducci)
- 6165 SWEDEN RS very poor with EE to NA at 0030-0100, nx, cmtry, mx (Wiseberg)
- 0209 poor in EE with press review by man (Eichenhorn)
- 6170 VENEZUELA R Nac at 2305-0355\* with SS mx, nx, Noche Caraqueña pgm, fair-good with some QRM (Brock, Hafer, Lohe)
- 6175 BRASIL R Guarani at 2300-0000 with PP sports, classical mx, ads, talks, fair (Miller, Zilmer)
- 6175 HUNGARY R Budapest good with EE and Hungarian, 0320-0355 with talk (Schwartz)
- 6180 GUATEMALA LV de Guatemala at 0030-0130 with SS sports, opera mx, IDs, fair (Cwikla, Miller) 0725 (Reeves)
- 6180 LIBERIA VOA-Monrovia good at 0540-0559 in AA, 0600 EE with ID; BBC QRM (Penley)
- 6180 USSR RM good at 0100 with EE nx and cmtry (Malko)
- 6185 BRASIL R Bandeirantes good at 0050 with sports pgm, some QRM (Lohe)
- 6185 ETHIOPIA R Ethiopia good at #0330-0400 with Amharic anmts, mx (Heutte)
- 6185 'R Nac', location unknown, on SSB at 2245-2305 in PP with pops, anmts (Lohe)
- 6190 MOROCCO Sebaa Aïoun poor at 0525 with AA HS (Schwartz)
- 6195 CANADA RCI NF at 0715-0745 with usual in EE (Reeves)
- 6195 ENGLAND BBC poor-fair at 0345 with EE ID, then into RR with ID, mx, mixing with Tirana (Burlew) 0600-0615 with GG Frühseendung Aus England for Germany, ID, nx, cmtry, good (Schwartz)
- 6195 NIGERIA NBC-Sokoto at 0530 with ID, African singing and chanting (Sparks) 2230-2300 with African vocals, under BEC-Tebrau; no Tunisia (Padula-Pac)
- 6195 TUNISIA RTT at 2220-2301 with AA chanting, short talks, VOA at 2300 wiped 'em out (Wiseberg)
- 6197 PERU Unid at 0300 with Peruvian mx and anmts to 0400\* (Behr) 6195 with live sports broadcast; seems to be part of a network 0500 (Sparks) (Martin-Eu)
- 6220 ENGLAND R Gemini 'hobby pirate' at fade-in at 1000, good with pgm sked /
- 6240 CLANDESTINE R Libertação best yet with better clarity at 2135 with PP and vernacular, selection of pops, talks (Martin-Eu)
- 9912 INDIA AIR-Delhi GOS with EE talk about shellac, local mx, exc (Martin-Eu)

Not too much excitement in this section this month, although Brazilian conditions have been quite good. Notice quite a few reports from Down Under reporter Bob Padula with some excellent long-path reception. Fine business, Bob! Welcome to all those checking in for the first time, and our new first-quarter editor, Elliot Straus. To the regular crew, gracias amigos. Don't forget to tune around on the lower bands during the summer; a few times each month the noise level abates and we can take full advantage of higher average F-layers at night for fine DX! 73-Fred Heutte, Jr. WA3QIA-WDX3FH 1600 Newton Street, N.E. Washington, D.C. 20018

If at all possible we urge you to attend the ANARC convention this summer in San Diego. It's sure to be a great meeting, with many of those attending whose names regularly appear in the pages of FRENEX. So don't miss your chance to meet them!

SEE THE INFORMATION PAGE ELSEWHERE IN THIS ISSUE OF FRENEX. CHARLIE LOUDENBOOMER SAYS HE WILL BE THERE! CHARLIE HAS NEVER MISSED ONE!

- 6200 ALBANIA R Tirana 1620-1630\*Serbo-Croat; F (Wootten-Af)0345-0400 EE, usual  
castigation of USSR (Schwartz)
- 6205 INT WATERS RMI 2151 EE pop mx, 222 4/12(Gendron)0515 US oldies, 4/20(Burlew)
- 6240 CLANDESTINE R Libertacao PP tx, Afr mx 2303v\*, F-P (Wiseberg,Gendron) Unid  
2250 4/12 African-type mx, YL ancr in unid lang 2259\* w/anthem (Miller)
- 6240 GERMANY DW 0020-0045 GG ID, Easter sermon, G (Schwartz) There are essential-  
ly two possibilities on this: a rx 'image' or a tx 'spur' -dp
- 6270 PR CHINA EE 2150-2158\*, quotation from Mao, anthem (Heutte)
- 6320 PR CHINA RP 2225 w/singing and lang cmtry, best RP 43mb outlet(Heutte)
- 6343 UNID LA 1235-1245 SS, IA mx; splatters over 10 kHz, so can't pick out  
center freq; IDs as 'R Muncio&RTV Nacional'; prob Mv harmonic (Perdue) If it  
is a harmonic it would be a relatively high-order one-at least a 4th-another  
possibility is an internally generated spur-notice you have an A20so you  
might be overloading the rx front end a trifle-dp cf-6240 also hd on a SW4A
- 6560 PR CHINA RP fair in SS at 2215 (Heutte)
- 6600 N KOREA Pyongyang HS1 in KK 2210, W w/tx (Heutte)
- 6610 PR CHINA RP G, EE 2205 (Heutte)
- 7018.5 UNID ASIAN tx in unid AS lang-like VV or Thai-1146 on 5/7, P (Williams)
- 7065 ALBANIA R Tirana 0020-0030 EE tx on 'Peoples Lib Front of Angola' (Schwartz)
- 7100 INDONESIA Yogyakarta quite strong 0015(local daytime) past 0100. Regular in  
evenings 0915-1000\*(list0800\*). Spelling is revised version, w/ 'Y' re-  
placing 'j' (Padula-Oc) should be audible ECNA-dp
- 7100 MALAWI Lakeland Radio 2153\* on a Sat, EE DJ, pop mx(Heutte) 'The Voice of  
Soul' 2045-2147v\*; EE rock, Afro mx; some days rx-but mostly pops; s/off  
only w/ 'Good night everyone' (Reeves)
- 7102v N VIETNAM Hanoi suppose VV at 1030 (Reeves)tent w/VV tx, P,1152,5/7(Williams)
- 7105n? ??ISRAEL?? 0245 piano mx w/ much mention of Israel. At 0300\* sure I heard  
"Transmission from Israel". Ham QRM. Must be that Kol Israel is suddenly  
in all kind of a flap to get available frequencies& time slots. Also ob-  
served on: 12055 2020 EE, 15165 2017 EE, 15265 1835 Hebrew(Schnabel)
- 7125 GUINEA Conakry 0345 w/ hi-life & balafon mx (Schnabel)0415-0530 African mx,  
ID at 0449 once (Wiseberg-F, Lineback-P)
- 7145 AUSTRALIA RA Darwin 1700\* SEA svce after nx, mx, cmtry, G (Wootten-Af)
- 7160 AS USSR Petropavlovsk(Kamchatka) \*1700-2030\* Majak, RR. Often includes a  
special px from Moscow to Kamchatka 1900-2030; //9540,12010(Davis)
- 7165 UNID AS exoticAs-type mx accompanied w/ harp-like instrument; not India,  
but Foochow list per WRTH; G on 5/7 (Williams)
- 7170 GREECE VoA Kavala 2345 Jazz Hr, G (Heutte)1835-1900 jazz(Schwartz) \*0258  
RR, mx, G 4/12 (Hermann)
- 7170 NEW CALEDONIA Noumea FF, mx, short tx 0520-0605\*, ID at \* (Wiseberg)
- 7180 IRAQ Baghdad 0330 AA chants, mideast-type mx, F (Wallace)
- 7200a Numbers station- 5 digit sequence by YL in SS; 0716-0722\*, F, 6/21(Hermann)
- 7200 PORTUGAL RFE Every Saturday has a pop mx pgm in 6 lang they broadcast in  
+EE. IDs on the hour w/ pop song "All Together Now" coupled w/ lang IDs  
per WRTH. //7200,7190,7165,7115, 5970; 2300-0300 (Lay)
- 7205 ZAIRE Lumbumbashi FF 0400-0500 Af mx, tx, 4/21, VP (Wiseberg)
- 7210 UNID 0619 FF mx program, BBC QRM from 0628, 33222 (Eichenhorn)
- 7215 INDIA AIR 2220 EE, 2230\*, G, QRM de RBI (Wootten-Af)
- 7215 E GERMANY RBI EE then II 2220, VG (Wootten-Af)
- 7225 RWANDA DW Kigali 0455 Afr pgm + DW ID & IS 5/3 (Sparks)
- 7233 NIGERIA ECSB Enugu \*0500, IS, opening ID, EE nx at 0510, 4/30 (Sparks)
- 7235 VATICAN 2223 EE rx pgm to Australia, QRM DW in PP (Wootten-Af) (Padula-Oc)
- 7240 INDONESIA Medan II pops 0945-0958\* when switches to 4764, list \* 0700 /
- 7245 ANGOLA Em Oficial 2300-0002\* mx, tx, some EE mx; s/off w/AP (Wiseberg)
- 7255 NIGERIA Lagos NBC 0550-0625 EE, Afr mx (Eichenhorn-F, Schwartz-E)
- 7260 COMORO ISLANDS ORTF Moroni under BBC 0330 w/ chants 4/17 (Heutte)
- 7260n INDIA AIR FS \*2300 into Hindi, ex-listed 7280 (Padula-Oc)
- 7265 W GERMANY SWF Rohrdorf 0600-0610 GG, nx, ID, QRM, P (Schwartz)
- 7285n INDIA AIR Domestic Svce short EE newscast 1332, probably Delhi listed for  
7290 (Padula-Oc) assume NF; am experimenting with shortened abbreviations
- 7287 INDONESIA Menado II tx 1020, revealed now that RM has vacated 7290 in  
this time period (Padula-Oc)

- 7300n CLANDESTINE R. Liberdade discovered here 5/2 also hrd 5/3,5/4,5/6 with reception best on 5/6. Carrier already on at 0652 t/in, 0654 begin IS of talking (2-tone) drums in rhythm resembling Morse "CCHY" (could this possibly indicate a Conakry/Guinea/location??); 0659 YL s/on anmts in PP including: "Prezados ouvintes, bom dia. Esta é a Voz de Liberdade...a emissora da PAIGC--Partido Africano da Independência da Guiné e Cabo Verde...abaixo o imperialismo português!" Also mentioned, unreadably, schedule and separate frequencies for the two colonies; also guitar IS resembling the drums; then into Afr choral mx. S, 5/4 3414.1 w/ terrific local QRN 0657-0701; 5/3 0700 full PP ID; 5/2 0725t/i 22232 lang tx, 0800 deteriorating; not // 6240(Hauser)
- 7370 USSR RM 1900\* EE to UK, tx, cmtry, QRN de spy station (Wootten-Af) Wait a second now, you mean \*1900, right? (i.e. s/on at 1900).
- 7380 USSR Magadan Soviet HS, RR \*1600-1500\* programming as follows: 1600-1800 Majak, 1800-1900 local (ex crises 1815-1825) (?-dp), 1900-0710 regular Moscow HS, 0710-0800 local, 0800-1300 Moscow HS, 1300-1500 Majak, // 9500, 12240(Davis)
- 7402.2 POLAND This is not Polish Pathfinders but rather is the Warsaw PTT, ut telephone station. This from a few yrs of ute DXing. The ID heard was "This a point to point service transmission for receiver adjustment from the radio-telephone station located in Warsaw, Poland." List ITU 7404, per QSL is SCH24, rhombic ant bearing 301° to NYC(Lay)cf. May LR-9;
- 7500 AUSTRALIA VNG 0625, 1000, 1100; EE IDs every 15 min(Burlew,Ross,Miller)
- 8331v CLANDESTINE(Rumania)2315carrier,2320 anthem, ID,nx,mx to 2350\*(Reeves) 2345 tx by MW(Heutte) Lang?? R. Port Libre,eri-dp Hafer)
- 9022 IRAN Tehran 2005 EE nx, commentary into pop mx, 2030 Persian(Killer,Brock / USSR 'R Yerevan' pgn notedSun. \*0800 with Armenian, into FF 0850, //11745 11830 also heard. Tx location unknown!(to say the least!-dp)(Padula-Oc)
- 9450 PR CHINA RP EE 1220-1232 t/o nx, cmtry,letterbox, 4/25(Tuschcherer)
- 9480 PERU R Tacna 0223-0306t/o SS, US+LA mx, many IDs,HW anncs 4/29 (Tuschcherer)
- 9493a UNID Ann: "Ici Phnom Penh", all FF lang pgn, hrd \*1600-1625\*, \*1700-1725\*
- 9500 \*1800-1825\*. Believed to be Hanoi but never says so (Davis)hmm-dp
- 9500 USSR Magadan RR HS on new summer sked, see 7380 for details(Davis)
- 9500 NEW CALEDONIA QSL from Noumea says 9500, cf March, May LR (Reeves) Poster did report 9500 for Mar LR so apparently it was on that frequency, at least for some time-dp
- 9505 DOM REP RTVD carrier on 0945, IS 1022-1032 s/on w/ NA, //5966v but annc only 9505; ID by man, SS pop mx (Reeves,Eichenhorn,Kaufman) 0230 program in EE of about 1hr duration, 1st nx program very laudatory to Balaguer,lengthy exhortation for US 'turistas' to come visit the sunny DR, request for reports observed just once, subsequently all SS (Schnabel)
- 9505 GUATEMALA TGNB 1240 SS rel mx, my 100th country 4/20 333 (Gendron)
- 9511 CHILE R Corporacion (List) lively SS mx, EE rock, SS ads, TCs for GMT-4hrs after every song, SS nx 1000, hrd "Sociedad Nacional" & "Presidente de la republica de Chile", so definitely Chile, only once, next day hrd UN Radio Delano at \*1000, listed Greenville (Reeves)
- 9515 N KOREA KCBS \*0900 RR, 1300 EE nx, cmtry, G (Castello)
- 9520 PAPUA VLT9 0742-0800\* US pops, c+w mx, booming in L+C(Perdue)
- 9520 NEW ZEALAND RNZ 1047,1130 EE pops (Kaufman, Zilmer)
- 9525 INDIA AIR 2200 EE nx, het 433 4/30 (Zilmer)
- 9525 JAPAN R Japan 1200 FF nx, //11780 (Zilmer)
- 9530 FRANCE ORTF 0100 PP, into SS, G, NF? (Brock)
- 9535 INDIA AIR 1225-1235 EE HS 342 4/28 (Zilmer)
- 9540 NEW ZEALAND RNZ 0635-0700 EE //11780(Brock)0745-0800 Samoan(Tuschcherer)
- 9540 USSR (As) Petropavlovsk (Kamchatka) RR HS 7160 for schedule (?-dp) 9540 and 12010 usually best signal in summer (Davis)
- 9543 BRAZIL R Univero de Curitiba, 0030 PP sports & "Univero" IDs only, good 3 May; new stn? (Behr)
- 9550 PR CHINA RP RR \*1700-1755\*, F (Davis)

- 9555 LIBERIA ELWA 1910 FF, drums, into vernacular 1915, VG (Reeves)50kW to W.Afr  
 9560 JAPAN R Japan 1200 EE GGS, mx, to Eu (433, 4/29, Zilmer)  
 9570 NIGERIA RTV Kaduna 2145-2230\* w/Afr mx, EE nx 2215(Wiseberg)2120-2231\* clear  
 EE&Lang IDs; Nigerian vernacular sounds like AA (Reeves) Zilmer's report of  
 Qatar at 2215 is wrong; it's RTV Kaduna with AA chants(Behr) cf. Apr IR;  
 yes it is Kaduna; I received a lengthy list of reasons why this was indeed  
 Qatar from one DXer who later retracted it; but still, see next item-dp  
 9570 QATAR Deha excellent at 2200 with evening prayer in AA (Heutte) 2210 AA  
 chant+tx; gone by 2230, 252, 4/23 (Zabransky)
- 9570n NETH ANTILLES TWR Bonaire 0830 PP to Brazil, ex-9535, continues to 1100 w/  
 other px to SA, ORM RAust. co-channel to 0915(Padula-Oc)GG 102ythenSS(Reeves)  
 9570 CHILE R Portales 0450-0500\* SS, mx to s/off(Guarducci)  
 9570 PORTUGAL IBRA R 2000-2015 EE rx, rpts to box 821, Stockholm, P (Leonhardt)  
 9575 INDIA Bombay? 1225-1235 EE, // 9535, 4/29, 322(Zilmer)  
 9581 PHILIPPINES VoP 0900 to past1700 now(Behr,Tuchscherer,Cwikla,Castello)  
 9585 NETH ANTILLES TWR \*0335 EE ID, into Rumanian to Eu (Padula-Oc,Tuchscherer)  
 9585 FRANCE \*2115-2200\* AA (Schwartz)  
 9595 JAPAN Nihon S.B.C 0800-1540\*chime IS at close, //6055(Davis,Zilmer,Tuchscherer)  
 9600n TUNISIA 4/28 2325 w/AA, Koran, ORM BBC LA svce (Padula-Oc)  
 9610 UNID 0518 FF tx, stringed instr, ID at 0603, f/o 0610(Burlew)Mauritania?Hmm,  
 maybe too early for Mauritania, \*0700, right?—dp (\*0800 Sun WRTH 73 - ITU &  
 9620 BRAZIL R Novo de Julho F 0105 PP anmts, ID (Heutte) WRTH per ID)  
 9625 ISRAEL 2000-2200 No jamming during EE pgn to 2100, jamming on RR 2100-  
 2200\* //9009(Hagen)2025 EE //9009 (Kaufman)  
 9635 BRAZIL R Aparecida 0026 PP 4/22, Easter px, 444 (Gendron)  
 9635 COLUMBIA R Nac 1135-1138 t/o, 1220-1240 LA+G1 mx, (Tuchscherer)  
 9640 S KOREA VOFK 1200 EE nx, cmtry, letterbox (Zilmer,Perdue) (Penley)  
 9640 PORTUGAL RTE 0510-0525 World DX Club till 0515, sked+freq at 2215,intolang /  
 9645 BRAZIL R Cult de Pocos de Caldas P under TIPC, fanfare, ID at 0000 (Heutte)  
 9645 USSR Magadan RR HS on summer sked now f/i 0500-0915\* (Davis)  
 9655 PERU R Nor Peruana 0245-0300\* VG, NA at close(Tuchscherer)  
 9665 AUSTRALIA RA\*1800 EE to Afr, F(Wooten-Af) Perth-dp  
 9665 BRAZIL R Mac, Brasilia 2250, 2253 EE ID, all EE pgn from 2230 to 2318 into  
 SS, request for rpts as well as taped rpts, with tapes to be returned with  
 Brazilian mx recorded on the tapes, banners, picture post cards; on 23 Apr  
 2228 hd a very British mans voice: "Our post office address is Radio Sana.."  
 heavy hash again; would be 0130 Yemen time, perhaps my hearing is deficient?  
 (Schnabel)2230-2250 EE pgn w/ID and freq,P(Leonhardt)0305-0330 PP ID (Tuch-  
 scherer)  
 9670 PORTUGAL Vollope 2100-2115 t/o EE(Hafer,Tuchscherer) scherer)  
 9675 BRAZIL R Diario da Manhã 0936-1002 t/o PP, IA +pop mx (Tuchscherer) 0110  
 PP mx, ads, TCs (Heutte)  
 9675 JAPAN R Japan 1045 EE nx to SA Asia 4/20 332 (Zilmer)  
 9675 PERU R Del Pacifico 1139-1202 t/o LA mx 4/14, VG (Tuchscherer)  
 9680 SPAIN R Liberty 2200 IS into lang, P (Brock)  
 9680n INDONESIA RRI Djakarta 1430 mx, 1448 EE nx, 1500 AA pgn&mx to 1600\*, poor  
 signal; now sked? (Behr) seemingly-dp  
 9684 PERU R Continental, 0330 SS ID &mx; cf Apr log report: I did not report  
 R Continente here, these are 2 diff stations(Behr) Yeah, tnx for correction  
 9685 BRAZIL R Gazeta 0024 PP sports 4/18, F (Leonhardt)  
 9690 ARGENTINA RAE C300 EE (Brock) 0520 SS mx (Guarducci)  
 9690 W GERMANY DW 0130 EE to NA //9545,6075,6040,6010 (Zilmer)  
 9695 BRAZIL R Rio Mar 2318 long PP tx(Leonhardt)0300 PP sports&IDs,E (Behr)  
 9715 PHILIPPINES FERC 1340-1401 lang; 1435 EE ID, into JJ (Tuchscherer)  
 9730 E GERMANY2045-2130 GG,2130-2215 EE,2245-2315EE (Schwartz,Zilmer,Tuchscherer)  
 9735 USSR (As) Khabarovsk)RX +RP&P CC t/i 1450-1700\* (Davis)  
 9735 JAPAN R Japan 2038-2042 EE Eur svce, fast fade 4/30 (Tuchscherer)  
 9810n USSR (As) RR HS f/i 0330-0800\*, not Majak (Davis) (Heutte)  
 11290 PR CHINA RP (Zone 2) EIR 1159, ID & CC xmsn, //11330; 11290 stronger /  
 11620 INDIA AIR 2200 EE nx, to UK //9525, 4/30 433 (Zilmer)  
 11650 PR CHINA RP EE 1218-1228 As nx,SEA mx(Perdue)1300 EE nx(Zilmer)  
 11672 PAKISTAN 2000 EE nx, 2015 pol speech, VG (Martin-Eu, Brunner)  
 \*\*\*\*that's all folks, keep those cards+letters coming—dp—\*\*\*\*

- 11700 VATICAN VR 1700 AA into EE at 1710, rel px, G (Wootten-Morocco)  
 11705 N ZEALAND RNZ 1245 EE, pops, QRM de NHK, F (Zilmer)  
 11705 VATICAN VR 2234-2238 EE, rel tkl by YW, F-G (D'Angelo)  
 11705RF SWEDEN RS 0330 EE, Panorama to WNA, up from 9715, G (Zilmer)  
 11710 ARGENTINA RAE \*2300-2335 EE, mx, nx, ID, (Wootten-Morocco, Smith, Peters)  
 11715 ALGERIA RTVA 2210-2245, 2400\* AA, chants, tkl, QRM, //11965, F-G (Lay, Wiseberg). India not sched in AA this hour, sta. reported prob. Algeria.  
 11715NF INDONESIA VoI Jakarta 2345 EE, 0000 Malay, 0100 Indon, ex 9585?, (Padula-A)  
 11720 BRAZIL R Nac 2310 EE, tkl re exhibition, E (Martin-Europe)  
 11725 SRI LANKA RC 1700 EE, Garner Ted Armstrong no less, //15120, F-P (Treibel)  
 11725 VATICAN VR 0100-0105 EE, rept from Vatican, F (Palmer)  
 11725 UNID 2243-2245\*, unfamiliar anthem at s/off, F-P, QRM de Brazil, (D'Angelo)  
 11730 NETH ANT RN 0200-0320 EE, mx, tkl, nx, various px, G (Custodio, Fino, Malko); 0500-0545 EE, Happy Sta., G-E (Ghioto, Dolyak)  
 11730 FRANCE ORTF 0130 SS to LA, G (Brock). NF reported May LR.  
 11730 USSR R Stansiya Atlantika 1315-1400, R S Rodina 1400-1459\* RR, mx, tkl, ID, G (Cwikla). Service to USSR fishing fleets.  
 11735 BRAZIL R C de Goiânia 0011, mx, ID, G (Field)  
 11740 USA Bethany OAS 0029 SS, mx, ID, F (Agner)  
 11750 MALAYA BBC Tebrau 1500-1545 EE, nx reel, drama, F (Cwikla)  
 11765 AUSTRALIA RA 0700 EE, mx, nx; 0835 football, F-G (Castello, Cwikla)  
 11765 GERMANY (FR) DW 2210 GG, tkl by M to Africa, G (Jordan)  
 11770 MEXICO R Mex 0330 SS, Mex mx, tkl, G (Wiseberg); 1330-1400 SS, "Mexico y el mundo", ID, (Kaufman)  
 11775 SPAIN RNE 0300-0310 SS, opera mx, ID, (Schwartz)  
 11780 ARGENTINA R Belgrano 0000, 0100 SS, nx, tkl, G (Heutte, Zilmer)  
 11780 N ZEALAND RNZ 0615-0820 EE, BBC nx to Pacific, G (Guarducci, Smith)  
 11780 MOZAMBIQUE RCM 0530-0615 EE, pops, tkl, ID, VP, blocked by RNZ at 0615, (Wiseberg, Smith)  
 11780 JAPAN NHK 1200 FF, nx to SEA, //11840, P (Zilmer)  
 11790NF LEBANON R Lebanon 0230 EE, nx, cmtry, G (Zilmer)  
 11795 ZAIRE LV du Zaire 0105, local mx, //15245, E (Heutte)  
 11800 CANARY IS RNE, SS, mx, ID, (Hafer, Eichenhorn). Time please-ed.  
 11800 ETHIOPIA ETLF 0510-0526\* FF, IS, FF pops, M&W tkl, (Reeves)  
 11800NF MONACO TWR 1830 RR, test, hymns, "Govorit Monte Carlo" ID, P (Martin-Eu)  
 11805 BRAZIL R Globo 2330, 0015, 0130 PP, choral mx, tkl, ads, F-G (Brock, Zilmer, Martin-Europe)  
 11810 ITALY RAI 0100 EE, 0155 II, nx, cmtry, F-G (Palmer, Guarducci)  
 11815 NETH ANT TWR 0050 EE, DX px, F (Custodio)  
 11815 USA WNYW 2230\* EE, not listed but ann. usual px, (Wootten-Morocco)  
 11815 POLAND R Poland 0228 EE into Polish, F (Zilmer)  
 11820 NETH ANT TWR 0045 EE, tkl, DX special, F (Malko)  
 11825NF GERMANY (DR) RBI 0150-0200 GG, tkl abt US & Portugal, ID, G (Schwartz)  
 11825 TAHITI RTI 0645 FF, NA pops, F-G (Brock)  
 11835 SUDAN R Omdurman 0539 AA, AA mx, nx mentioning Omdurman, F (Gendron)  
 11835 HAITI 4VEH 1515-1545 EE, rel px, QRN, G (Jordan)  
 11835 URUGUAY R El Espectador 0115-0230 SS, nx, class mx, ads, E (Schmabel)  
 11840 PORTUGAL RP 0300 EE, press round-up, G (Castello)  
 11840 AUSTRALIA RA \*1800-2000 EE, px to Pacific Is., nx, G (Davis)  
 11840 POLAND R Poland \*0205 EE, ID, nx, E (Schwartz)  
 11850 INDIA AIR 1225-1235 EE, nx, F (Zilmer)  
 11850 GAHANA RG 2000-2030 Vern, FF ID "Voz de la Revolution a l'Accra", piano mx, G (Reeves)  
 11855 BRAZIL R América 2340 PP, mx, tkl, F (Zilmer)  
 11860 MONGOLIA R Ulan Bator \*2200-2229 EE to FEast, IS, ID, nx, tkl, G (Matsurra-Japan)  
 11865 BRAZIL R C Pernambuco 0330 PP, mx, tlks, ads, het, F (Wiseberg); 1930-2330 on 11867.5, PP, nx, ads, mx, ID "Super Radio Clube", G-E (Heutte)  
 11870 USSR Khabarovsk \*1430-1530\* RR HS, //12010, (Davis)  
 11870NF AUSTRIA ORF 0120-0130 GG, band concert, (Tuchscherer)  
 11870 AUSTRALIA RA 1325 IS, 1330 Thai px, mx, (Behr)  
 11880 TURKEY R Ankara 1900 TT, oriental mx, tkl, (Schwartz); 2200-2230 EE, tkl nx, mx, ID, F-G (Malko, D'Angelo)

- 11890 GERMANY (DR) RBI 0210-0230 GG, nx, ID (Schwartz); \*0230 -0350 EE, anti-US prop, ID, mailbag, May Day px, G (Perdue, Zilmer, Jordan)
- 11895 SENEGAL R du Sénégal 2310-2358\* FF, easy listening, nx at 2355, F (Willshaw)
- 11900 USSR RM 2300-2330 EE to NA, nx, cmntry, mx, VP (Wiseberg); 0200 EE, nx, G (Palmer)
- 11910 CUBA RHC 0300 EE, nx, cmntry, F (Malko)
- 11910.5 ALGERIA RTVA 2030-2202\* Kabyl, off w/ anthem, QRM (Behr)
- 11915 ENGLAND VoA 1655-1714, IS, ID, into RR at 1700, F-P (D'Angelo)
- 11920 SPAIN RNE EE, mx, nx, cmntry, ID, E (Schwartz). Time please-ed.
- 11920 IVORY COAST RTVI 2250-2400\* FF, various mx in several langs, EE pop and soul, F (Willshaw)
- 11920 PHILIPPINES FEBC 1200 EE, contentment, F (Zilmer)
- 11925 BRAZIL R Bandeirantes 2315-0015 PP, pops, ads, ID, F (Heutte, Wiseberg, Zilmer)
- 11925 NETHERLANDS RN 2250\* SS, tlk, ID by M, QRM (D'Angelo)
- 11925 SPAIN RNE 0200-0345 EE, nx, mx, cmntry, ID, G (Eichenhorn, Talbot, Fino)
- 11930 CUBA RHC 0215-0230 EE VoV px, 0230-0300 EE, mx, cmntry, G (Jordan, Fino)
- 11935 S AFRICA SABC Springbok R 0715 EE, ads, mx, carrier drop off at 0720, (Castello)
- 11935 PORTUGAL R Nac 0345-0415 EE, nx, radio safari, ID, G (Eichenhorn, Ghioto, Palmer)
- 11940 LIBERIA ELWA 2049 EE, nx, ID by M, P (Peters)
- 11940 ROMANIA RB 0300-0330 EE, nx, mx, F (Malko)
- 11945 ISRAEL IBA \*0500-0515 EE, YW w/ ME and wrld nx, wx, E (Perdue)
- 11945 CANADA RCI 2300-2330 EE, nx, magazine px, G (Malko)
- 11948 PARAGUAY R Encarnacion 2330, 1t mx, F, QRM de RCI (Heutte)
- 11955NF SWEDEN RS 0200 EE, px to ENA, up from 6165, P (Zilmer)
- 11955 MOROCCO VoA 2100 Hungarian, EE ID, F (Gendron)
- 11960 GREECE VoA Kavala 1500 Estonian, EE ID, tlk, P (Gendron)
- 11965NF JAPAN NHK \*1745 to MEast, P (Treibel)
- 11980 USSR Chita \*2100-0500, KK on the hour, CC on the half hour, QRM de Khabarovsk's NA tx in EE at 2300, (Davis)
- 11990 USSR Asian loc \*2130-0930\* RR Majak HS, G to 2330 then E to S/off, some CW QRM, (Davis)
- 11990 CZECHOSLOVAKIA RP \*0100 EE, nx, F (Guarducci)
- 12000 AUSTRALIA VNG time sta 0555 EE, P (Guarducci)
- 12010NF USSR Asian loc \*1430-1530\* //11870, \*1700-2030\* //7160, 9540, RR HS, (Davis)
- 12070 UNID 2200-2245 FF, tlk by OM, VP (Wiseberg)
- 12080 VENEZ (CLAND) R Euzkadi 2030-2100 SS, jammed, but still G (Smith)
- 12145v CLAND (ROMANIA?) R España Independiente SS, ID, jammed, freq v but follow-ed by jammer, (Smith). Time please-ed.
- 12175 ICELAND Gufunes, Reykjavik R. Testing in EE & Icelandic, (Smith). Time?
- 12240 USSR Magadan RR HS, see //7380 for sched., (Davis)
- 14480 CLAND (Romania?) R España Independiente 1335 SS, tribute to Picasso, // 12140, jammed, also hrd 1810, (Martin-Europe)
- 14990v CLAND Liberation Radio 2030-2047\* EE, nx, ann. as from S Vietnam, P (Cwiklia)
- 15000 ARGENTINA LOL time station 2300-0005 f/o when WWV silent (Field)
- 15013v N VIETNAM VoV 1745-1830 VV/EE, VV to 1800, nx, tlk, mx, VP (Wiseberg)
- 15015-20v UNID 1438-1456\* Lang, probable Asian, OW w/tlk, mx, (D'Angelo). Possibly N Vietnam above-ed.
- 15060 CHINA RP 0200 EE, nx, F (Burlew)
- 15083-5v IRAN, t1425-1435 Farsi?, Persian and western mx, tlk, IS? at 1430, no firm ID, P in QRN (Schwartz); 1450 Farsi?, tlk, mx, E (Wootten-Morocco); 2030 Farsi px for Iranians abroad, ID, Iranian mx, G (Agner)
- 15095 CHINA RP \*1600-1655\*, \*1700-1755\* EE to S Africa, (Davis)
- 15110 N ZEALAND RNZ 0315 EE, soccer, //17770; 0555 EE, mx, P (Zilmer, Guarducci)
- 15115 ECUADOR HCJB 0200-0210 EE, "Mx in the Night", G (Fino)
- 15115 PORTUGAL RFE 2100 Bulgarian?, nx, mx, P (Gendron)
- 15120 SRI LANKA RC 1700 EE, //11725, G (Treibel)
- 15120 FRANCE ORTF 1730 FF, tlk, EE mx, 2000-2100 FF, mixed instrumental and vocal mx, tlk, IS, ID, G (Malko, Fino)
- 15125 MEXICO R Mex 1350, 1535 SS, ID by M and tlk by W, (Eichenhorn, Guarducci)
- 15130RF NETHERLANDS RN 1143 EE, not sched, test?, G (Zilmer)

- 15135 FRANCE ORTF 0105-0155 SS, nx, cmntry by M&W, IS, ID, pops, G (Fino)  
 15140 INDIA AIR Bombay 1102 EE, nx, G (Williams)  
 15145 BRAZIL R Jornal do Comércio 0010 PP, tlc, //6085, P (Zilmer)  
 15145 SPAIN RNE 0320-0400\* SS, SS&LA mx, //11775, E (Perdue)  
 15159 MEXICO LV de la Am. Latina 1930 SS, tlks and mx, F (Behr)  
 15160 AUSTRALIA RA 0530 EE, mx, F (Guarducci)  
 15160 USA OAS Greenville 2345 SS, nx, cmntry, G (Castello)  
 15160NF ALGERIA RTVA 0900-0903\* AA, s/off W/anthem, (Padula-Australia)  
 15170 TAHITI RT 0230, mx, G (Brock)  
 15170 LIBERIA ELWA 2240-2305 AA, nx, ID, G (Schwartz)  
 15180 USA VoA Greenville 0030-0100 PP, M&W tlc, pops, ID, G (Fino)  
 15185 FINLAND RF 2040 EE, "spotlight", E(Cwikla); 2304 EE tlc abt reception repts, P (Eichenhorn); 1400-1450 EE, EE&Local mx, DX tlc, nx, F-G (Agner, Malko)  
 15185NF CLAND (Romania?) R España Independiente 1420 SS, martial mx, gong, nx, M&W ann., E (Martin-Europe)  
 15190 BRAZIL R Inconfidência 2245, 0150 PP, pops, some in EE, ads, //6000, P-F (Zilmer, Guarducci, Lineback)  
 15190 CONGO RTVC 1730 FF, harangue after DW off, (Schnabel); 2045-2130 FF, FF & African mx, ID LV de la Revolution, G (Cwikla)  
 15190 CANADA RCI 2300-2330 EE, nx, cmntry, to Carib., ID, G (Fino)  
 15200NF AUSTRIA ORF 1830 EE, tlc, //15335, 17780, (Brock)  
 15205 USA VoA Greenville 2100-2200 EE to Eu, nx, cmntry, G (Fino)  
 15220 NETH ANT RN 2230-2250 FF/DD, tlc, ID, G (Fino)  
 15220 S AFRICA RSA 0515 EE ID then Lang, nx, G (Guarducci)  
 15230 CUBA RHC 0110-0125 SS, nx, cmntry, some QRM, F (Fino)  
 15230 AUSTRALIA VLH15 Melbourne 0555 EE, nx at 0600, (Guarducci)  
 15235 BELGIUM RTB 2215 FF nx, 2255 EE, mailbag, //9550, Xylophone IS, F-G (Zilmer, Palmer)  
 15240 SWEDEN RS \*1800-1830 FF, EE at 1830, nx, cmntry, F-P (Wiseberg)  
 15245 ZAIRE Kinshasa 2345-0005 FF, ID, nx, Parisian mx, P (Schwartz)  
 15245 AUSTRIA ORF 2358 GG, ID, px for C America, G (Schwartz)  
 15245 GERMANY (FR) DW \*1400-1420\* GG, ID, early px for NA, E (Schwartz)  
 15250 ETHIOPIA ETLF \*0430 Lang, EE ID, tlc, F (Guarducci)  
 15250 ROMANIA RB 1300 EE, nx, tlc, F (Malko)  
 15255 NETH ANT TWR 1410-1415 EE, rel px, ID, P (Eichenhorn)  
 15260 ASCENSION IS BBC 0130-0200 EE, WS, G (Fino)  
 15265 ISRAEL IBA 1730 Lang, IS, F-P (Brock)  
 15280 USA KGEI 2300 EE into RR, ID, (Kaufman)  
 15280NF MEXICO R Mex 1529 SS, ID, w/freq, F (Eichenhorn). Unlist. Is it a NF?  
 15289 ARGENTINA R El Mundo 0200 SS, ID, sports, irregular (Behr)  
 15292 UNID 0750 Continental mx, maybe FF, band open late 5/6 (Hauser)  
 15295 FRANCE ORTF 1106 EE, nx, (Kaufman)  
 15315 CANADA RCI 1235, SW Club, G (Dolyak)  
 15315 PORTUGAL R Mac 2205-2225 PP, nx, cmntry, mixed pops & songs, G (Fino)  
 15320 NETH ANT RN 0000-0015 SS, tlc, mx, Happy Sta., G (Fino)  
 15335 FRANCE ORTF 1845-1905 Yiddish, ID, discussion of Yiddish stage, Jews in Bulgaria, px for LA, G (Schwartz)  
 15335 AUSTRIA ORF 1830 EE, rept from Austria, F (Zilmer)  
 15350NF ISRAEL IBA 2200-2245\* FF, //11960, 11910, 9009 (Behr)  
 15360 FRANCE ORTF 2305 FF, prob for LA, (Padula-Australia)  
 15370NF ALGERIA RTVA 2300 AA, nx, mx, //15320, 15162, 11965, 11715, (Behr)  
 15375 ECUADOR HCJB 2230-2300 RR, 2300-2330 GG, rel px, G (Fino)  
 15380 RWANDA DW \*2030-2200 GG, nx, mx pops and concert, tlc abt Watergate, G-E (Cwikla, Gendron, Fino). Who isn't-hi.  
 15385 ITALY RAI 1845-1905\* II, nx, mx, ID, IS, VG (Tuchscherer)  
 15400 IRAQ Bagdad 0435-0501\* AA, HS, AA mx, ID at 0445, E (Perdue)  
 15400 ASCENSION IS BBC 2145 EE, sport nx, F (Eichenhorn)  
 15415 BRAZIL RC de Riberão Preto 0000 PP, ID, mx, G (Heutte)  
 15415 KUWAIT RK \*1630-1900\* EE, nx, US & British pops, rock, American DJ format at times, jingles, G-E (Leonhardt, Smith, Malko, Cwikla, Lay).  
 15435 ENGLAND BBC 1740-1750 EE, Eu svce, various px, (Tuchscherer)  
 15435NF GERMANY (DR) RBI 2340 PP to Brazil, over BBC-FES, (Padula-Australia)  
 15440 PHILIPPINES FEBC 1528 EE, nx, sports, rel px, F (Cwikla)

- 15445 BRAZIL R Nac 2100 FF, 2115 PP, Brazilian mx, F (Martin-Eu, Guarducci, Brock)  
 15455 BANGLADESH RB \*1230-1300\* EE, nx, cmntry, mx, some lang tlk, P (Zilmer)  
 15455 USSR Europe \*1600-2000 RR HS Majak, R S Rodina 2000-2100, Majak to 2130\*,  
 weak, polar fade, (Davis)  
 15485 CLAND (Romania?) R Portugal Libre 1900 PP, test, nx, gong IS (7 note),  
 anthem, strong (Martin-Europe)  
 15510 CHINA RP \*1300-1355\* EE, (Davis)  
 15520 CHINA RP 2300-0000\* SS to SAm, tlk, CC mx, ID, G (Wiseberg)  
 15675NF? NORWAY RN 1600 EE, nx by M&W, F (Eichenhorn)  
 17670 EGYPT R Cairo 1510 AA, ID, tlk, (Schwartz)  
 17690NF BANGLADESH Dacca 0830-0903\*, HS, ex 17935 (Padula-Australia)  
 17730 FRANCE ORTF 1700-1845 AA, nx, AA mx, tlk, play, G (Wiseberg)  
 17770 N ZEALAND RNZ 0235 EE, mx, F (Palmer)  
 17780 GREECE E I R T to Africa, 1000-1130 Greek, VG (Wootten-Morocco)  
 17780 AUSTRIA ORF, 1700 GG, ID, nx, severe QRN, P (Schwartz)  
 17785 USA VoA Greenville 1800 EE, nx, E (Malko)  
 17790 ALGERIA RTVA 1700-1800 AA, ID, amts in FF, G (Schwartz)  
 17795 AUSTRALIA RA 0145-0300\* EE, nx, "Dateline", mx, F (Ghioto, Palmer, Jordan)  
 17805 SPAIN RNE 1345 SS, mx, G (Eichenhorn)  
 17815 SWEDEN RS 1415 EE, nx, G (Eichenhorn)  
 17815 BRAZIL R Cultura 0030 PP, ID, P (Heutte)  
 17820 CANADA RCI 1220 EE, nx, "Focus this Wld", G (Dolyak)  
 17825 JAPAN NHK 0145 EE, nx, P (Eichenhorn)  
 17844a PAKISTAN RP \*1330 EE, slow speed nx, //21590, abrupt off at 1345, P (Zilmer)  
 17870 AUSTRALIA RA 0655 EE, class mx, E (Guarducci)  
 17875 GERMANY (FR) DW 1045-1115 EE, cmntry, mx, //11785, 15410, 21600,  
 (Wootten-Morocco)  
 17880 ECUADOR HCJB 2225 JJ into RR at 2230, tlks, nx, rel mx, VG (Wootten-Mor-  
 occo); 1200, marimba mx, 1600, "Bless this House", G (Dolyak)  
 17885 CUBA RHC 1245, 1715 SS, mx, nx, P-C (Dolyak)  
 17895 ZAMBIA RZ 1800, 1830 EE, rel px, nx, 2000 EE/Vern, nx, tlk, F-P (Wiseberg,  
 Brock, Heutte)  
 17900 VATICAN VR 1625 EE, tlk re rock opera Superstar, P (Eichenhorn)  
 21450 USSR RM RR, tlk, (Wootten-Morocco). Time please.  
 21465NF EGYPT R Cairo 1130 FF nx to SEAsia, new svce, (Padula, Australia)  
 21495 SWEDEN RS 1400 EE, nx, cmntry, G (Malko)  
 21525 USA WNYW 2100 EE, nx, G (Castello)  
 21610 GREECE E I R T 1400-1450\* Greek, mx, G (Behr)  
 21740 AUSTRALIA RA 0122 EE, mx, TC, VG (Burlew)

Thanks again to all those sending in reports. Keep up the good work.

73

Jerry A. Lineback

Orders for NASWA SPECIAL PUBLICATIONS have poured in since the May issue of FRENEX hit the mailboxes!! The most popular items have been the "NIBLACK REPRINT BOOKLET", AFTER THE SUN GOES DOWN, and THE ART OF VERIFICATION. And those writing back are saying the booklets are really useful!....We've got more booklets in the works - items designed to provide the DXer with information he needs. Watch the pages of FRENEX for further details.

\*\*\*\*\*  
 SPECIAL NOTICE....Nominations are open for candidates for the 1973 ANARC MAN OF THE YEAR award. The recipient will be announced at the 1973 ANARC convention in July in San Diego. Nominations can be made by any member of an ANARC-affiliated club (NASWA is one) and should be sent to ANARC AWARDS CHAIRMAN, Dan Ferguson, Box 8452, South Charleston, W.Va. 25303 USA. If you plan to nominate someone, do it now! Please include full details with your nomination, as some committee members may not be familiar with the individual you nominate. One copy of your nomination letter is sufficient, but it must be either typed or legibly written, on white paper so it can be Xeroxed....Nominations are also open for the ANARC Merit Awards.

GET YOUR NOMINATIONS IN NOW!!

GET YOUR NOMINATIONS IN NOW!!

Thanks to this month's 52 Log Report contributors.....Here they are from Agner to Zilmer:

AGNER, Mike, Waldwick NJ Midland  
11-500/Lafayette 17-1090L  
BALL, David R., Downsview, Ont.  
DX 150A  
BARTO, Sam, Morris CT HQ SuperPro  
BEHR, Ernie, Kenora, Ont., RB 4  
BURLEW, Doug, York PA, GR-64  
BRUNNER, Charles, Salford PA  
D 7000Y  
CASTELLO, George, Los Angeles CA  
Triumph 818  
CUSTODIO, Larry, Brooklyn, NY  
Lafayette G7000  
CZYKLA, Tom, Weathersfield CT  
DX 150A  
D'ANGELO, Rich, Brooklyn, NY  
DAVIS, Bill, Laguna Niguel CA  
Homebrew  
DOLYAK, Evelyn, Griswold IA  
A 2685  
EICHENHORN, Sandy, Troy MI SX190  
FIELD, Marlin A., Benton Harbor MI  
SX 100  
FINO, Henry E., Rochester NY  
RCA Victor Console  
GENDRON, John C., Arlington VA  
SX 190  
GHIOTO, Greg, Jacksonville FL  
DX 150A  
GUARDUCCI, Ciro, Cassiar, B.C.  
Lafayette HA 600A  
HAFER, Gary, Reading PA RF5000A  
HAGEN, Jim, Portsmount VA R390A  
HAUSER, Glenn, Von Ormy TX HQL60  
HERMANN, Frank J., Montreal, Que  
JORDAN, Paul A., Houston TX  
Zenith 4600  
KAUFMAN, Irving, Suffern NY SX133  
LAY, Russell, Virginia Beach VA  
HQ 180  
LEONHARDT, Mac, Liberty IN SB310  
LINEBACK, Jerry A., St. Joseph IL  
SPR 4

MALKO, Randy, Carignan, Quebec  
RCA/RZM 195E  
MARTIN, A.E., Warrington, Lanc, UK  
AR88D  
MATSUURA, Hiro, Japan A2515  
MILLER, Albert A., Youngstown OH  
HRO-500  
PADULA, Bob, Surrey Hills, Victoria  
Australia. Marconi CR100  
PALMER, C. P., New Orleans LA  
SX 190  
PENLEY, Gary, Centralia WA DX150B  
PERDUE, Neal, TN, SW4A/A20  
PETERS, Harold, Washington PA  
REEVES, Scott, Laurel MD SX190  
ROSS, Michael, Ronkonkoma NY  
SCHNABEL, George, Rochester NY SW4  
SCHWARTZ, Richard A., Dover DE  
SW4A  
SMITH, Albert, Wilsonville AL  
BC 342N  
SPARKS, Bill, San Francisco CA RB4  
TALBOTT, Larry, Milwaukee WI  
TREIBEL, Wallace, Seattle WA  
TUCHSCHERER, John, Neenah WI  
HQ 100A  
WALLACE, Steve, Lewiston PA  
DX 150A/A20  
WILLIAMS, Jon L., Indianapolis IN  
R-4B  
WILLSHAW, Fred, Rock Hill SC  
SX 190  
WISEBERG, Mike, Weston, Ont. SX190  
WOOTEN, Charles A., USN Morocco  
Zenith Transoceanic  
ZABRANSKY, Jim, Epworth IA  
ZILMER, Robert, Milwaukee WI SPR4  
\* \* \* \* \*

These reporters represent a total of 21 States, 3 Provinces, plus 4 other Countries for a grand total of 5 Continents.

o o o (MRL)

**SUSPICIONS  
CONFIRMED**



The fellow to the left should have had an official NASWA emblem on his jacket!! Only \$2.50 from NASWA HDQ.



Correction to this month's "Clandestine Bulletin" on P. CE-5, Voice of Palestine via Baghdad now 1800-1900 (ex 1630-1730), per BBC MS.

- FLASHSHEET -

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

JUNE 1973

Freq: KCS

Time: GMT

AL MIBIACK, Editor, 420 Shelby St., Vincennes, Ind. 47591 DEADLINES: 15 & 26 Month  
\*\*\*\*\*

ANGOLA 11875 Definitely an Official logged 5/7, at 1520 in EE, though difficult copy and lost by 1530. (Ed Insinger, N.J.)

AUSTRALIA 9770 RA, Shepparton, on new fgy in EE, 1500-1730\*, fair lvl. (August Balbi, ..) See previous May FS - My RA, Lyndhurst, logging, 0245-0330 was on the / Cal.) fgy of 15160. Oops, I omitted the fgy quote in prior report! (Ed Insinger)

BELGIUM 9550 Belgium R-TV noted 2210 in DD, then FF, then EE, at excellent lvl, with OM and YL annocs. (ODBX - Ed Shaw, Zabot, Lay, Imbert, Burton, Estes, McCall) ...Belgium Speaking sked Summer 1973 is: EE to NA daily 2255-2315, and, 0040-0100, on 9550. (Ed Insinger)

BOLIVIA R. La Cruz del Sur, 4875, best ever on 5/23, 2335-2345, with talk in SS, then TG for 19 hours, 43 minutes, 30 seconds; mention of 3 fgys. (Fred Heutte, D.C.) (Fred says, "My R390 is working magnificently, as my DXing the past month has shown", Editor)...La Cruz del Sur, 4875, news in SS, 0200, poor lvl. (Joe Helm, Ind.)

BRAZIL 5/17, was the dies mirabilis of Brazilian openings, with a concentrated and wide fgy slot; among those heard: 3345 R. Alvorada de Londrina was fair though QRM at 0155, futbol, ID, ads...4117 R. Difusora, Cruzeiro do Sol, listed 250 watts, was poor at 0200 apparent S/off, in all PP...2380 R. Educadora de Limeira, listed 250 watts, poor 0200-0210 in PP and TCs; this my best catch ever from South and Central America...2450 R. Cultura de Aracatuba was the best Brazilian on the band with listed 500 watts, music, TCs, 0205-0230 (the preceding three have never been reported in NA to my knowledge)...2480 R. Braganca Paulista poor at 0210-0230\* with light music and PP talks...5035 R. Anhanguera was vy good and clear at 0000 with American pops, ads, etc. (Fred Heutte)...Al Sizer, Conn., states, "A fine time in New England for Brazilians in the 60 and 90 MBs"; he reported the following: 3245 R. Educ. Palmeiras de Alagoas, Maceio, at 2340, fair lvl...3255 R. Clube de Marilia, with PP ID at 2345...3271.5 Well heard Brazilian here, cannot ID, though suspect R. Clube Bauru, ex-3275. Heard 2325...3345 R. Alvorada de Londrina, good with PP talk, 2340...3365 R. Dif. do Parana, Londrina, weak but audible, 2355. (Some real nice low band DX, Editor)

CHILE 9750 R. Minería logged 1130 with mostly SS chatter, one ID heard, to fade out at 1200. Venezuela was not smothering the fgy. (Marlin Field)...CEL181, 11810, heard with news in SS, 0215, 5/25, with fair to good reception. (Joe Helm)...Radio Presidente Balmaceda noted with vy good sigs 5/15, with political talk; and an EE report on Sky Lab. (Frank Orcutt, N.Y.) (9590 presumed, though no fgy quote, Editor)

COLOMBIA 9635 R. Nacional noted with a musical prgm of guitar music, 1200 (Marlin Field)

ECUADOR 5023 R. Centinela del Sur, strong lvl with music and SS ID to 0425\*, though some days past 0600. (Ernie Behr, Canada)...Keep an eye on 4750, where tentatively I logged R. El Mundo at 0405 S/off with anthem, but poor lvl, SS. (Fred Heutte)...R. Centinela del Sur has moved up 3kcs to 5023, perhaps to avoid QRM de R. Mac de Venezuela, 0300-0345 S/off, good-excellent lvl. (Fred Heutte)...4780 (TENT) Radio Althusapla, 1000, SS, Andean music, strain lvl. (ODBX)

EL SALVADOR 6009.3 YSS, R. Nacional, 0400 with orchestra music, ID and anthem to 0502 S/off, back on old fgy, ex-5980. (Ernie Behr)

ETHIOPIA 7165 EELW has replaced 9730 at 0330 S/on, EE news 0400, fair lvl. (August

FINLAND 15185 Pori noted at 1410 in EE, gud lvl, YL annoc. (Joe Helm) / Balbi)

GALAPAGOS IS 3520 This SS spkr heard with poor to fair signals 5/15, to 0437 S/off with national anthem. (Frank Orcutt)

GERMANY (E) (Repeated from last FS because of importance, Editor) This evening between 0300-0335 I logged and taped the Home Svc of the German Democratic Republic GDR, with positive ID in German, on 7260. This svc operates 24 hours daily. The station was the "Vaterlandsender". I suspect that some of the recent listings of Südwestfunk/Rohrdorf (not mine) might well be the GDR Home Svc. The format of the two stations is similar, consisting of pops, local annocs, TCs, WR, and news. For those not familiar with GG, GDR might be confused with SWF. This for GDR on 7260 (WRH erroneously assigns 7260 to RRI). I have positive ID for GDR H.S., as, "Stimme der Deutschen Demokratischen Republik", (Richard Schwartz, Del.) (This explains why SWF has been reported as being on the air before actual S/on time, Editor)

(PLEASE TURN OVER)

\*\*\*\*\*  
**GREECE** VOA, Kavala, 11805, 0230, with varied prgm, some Greek, till 0230. (Joe Helm)  
**GUATEMALA** (See feature in current FRENKX in re R. Tesulutlan, TGTZ, 4835, Editor)  
 ...3300 TGMN, 0500 music and SS IDs to 0828\*. (Ernie Behr) (See last FS for more  
 details on this new fgy, Editor).  
**HONDURAS** 4920 "Esta es R. Progreso" ID, SS, music, good 0115. (Ed Insinger)  
**INDIA** 15165 AIR, 1300, heard with IDs by YL, though no IBA logged. (ODDX)  
**ISRAEL** Scratch my previous entry of 15475; correctly is, 15165 for IBA, 2000-2030.  
**KOREA(N)** 9515 R. Pyongyang, EE at 1225 tune-in. (Marlin Field) (Steve Estes, Va.)  
**LEBANON** 11790 Beirut has replaced 9550, 0130-0400, to this new fgy. (Joe Helm, August  
**MALDIVES** 9709.5 RM at 1240 in FF, v/ low lvl till power cut at 1301H / Balbi)  
 (Ed Shaw, Va.) (Editor's note: I think Ed means Mauritius, not Maldives, the rarity.)  
**MALTA** (Repeated because of importance) G.G. Thiele of DW advises direct that the new  
 DW Relay of 3 250kW SW mitters will become operational in 1974. (Al Niblack)  
**MEXICO** 11820 XEBR with news, talks, in SS, music, v/ good lvl, 0200. (Joe Helm)  
**NICARAGUA** 9580 R. Mar 1330-1500 fade-out, several IDS SS, v/ good sigs. (Marlin Field)  
**NEW ZEALAND** RN on winter sked, 6080 replacing 11780/9540, 0600. (August Balbi, Joe  
**NIGERIA** 6145 NBC, Calabar, good with light music, IDs, S/off 2306...6195 / Helm)  
 NBC, Sokoto, v/ poor at 0515, news and ID. (Frank Orcutt)...15120 Lagos at 1650 in  
 EE, but QRM. (Ed Insinger)  
**PERU** 9533 R. Nacional del Peru de Tacna with musical prgm at 0130, several IDs. (Mar-  
 lin Field)...4815 (TENT) R. San Martin, Iquitos, music, anthem to 0458\*, former R.  
 Amazonas??. 5040.3 R. Libertad de Junin, 0430 music and IDs, down from 5042. (Ernie  
 ...5981 R. Panamericana in the clear, 0130, all in SS. (Fred Heutte) / Behr)  
**POLAND** (Repeated, see May LB-9) 7402.3 This is not the Polish Pathfinders Station.  
 This is Warsaw PTT utility telephone station. This observation from a few years  
 of utility DXing. Listed on 7204 as per QSL. (Russell Lay)...9675 Polish Radio War-  
 saw at 0200 in EE in NA Svc, fair lvl. (Ed Insinger)  
**PORTUGAL** RFE, Lisbon, hrd 0025 to 0100 in EE on 9595. IDs multi-lingual. How long  
 they had this svc? (Ed Insinger) (Years ago RFE used EE, I think, Editor)...9670 IBRA  
 Radio from RTE is sked in EE 1945-2000 Sats; 2000-2015 Sats, Weds, Thurs, Frids.  
 Reports to Box 821, Stockholm 101 31, Sweden. Quick QSL. (Ed Insinger)  
**ST. HELENA** (Repeated at the request of several) Jamestown has registered assignments  
 for May-Sept., on 6100, and 11870. Sked as per WRTM, power 400 watts. (ITU via Don  
 Seychelles FEBA, 15235, new fgy, logged 1600-1645. (August Balbi) / Jensen, Wisc.)  
**SRI LANKA** 11800 R. Ceylon, 1030, Tamil, music. (ODDX)...15120 RC, EE in S/on 0228,  
 and IS, 0530 ID. QRM splash de HJJB. (Ed Insinger)  
**SO AFRICA** 9585 RGA new fgy, replaced 11900 to NA, 2330-0330, no strain lvl. (August  
**TAIWAN** 17720 VOFC, BCC, EE 0200, IS, into EE news, nice. (ODDX) / Balbi)  
**USSR** 11640 A Rusky in EE at 0200, good some nights. (John Tuchscherer, Wisc; Fred  
**VENEZUELA** 9662.5 Add R. Rumbos to the list moving off nominal fgy to / Heutte)  
 avoid QRM. Well hrd 0240 with LA chorals, SS anncts, dual 4970. (Fred Heutte)...  
 9750 R. Occidente, 5/15, at 1100 with news in SS, some QRM de R. Mineria. (Marlin  
**VIETNAM(N)** 10039 Hanoi, 1025 EE, well heard lvl, YL yelping. (ODDX) / Field, Mich.)  
**Zaire** 4839 R. Bukavu was poor lvl 0405 with FF, and highlife music. (Fred Heutte)  
**CLANDESTINE** 9555 R. Revolutionary of Iran, heard in Ontario \*1445-1547\*...2006V  
 R. Portugal Livre, 2350\*, PP prgm via hi-power transmitter. (Ernie Behr)...The FF  
 speaking one on 6240 heard nightly but fades out now by 2230. (ODDX)...7300 R. lib-  
 eracao discovered here 5/2, following days, 0654 S/on, a move. (Glen Hauser, Tex.,  
 15790 Voice of Malaysian Revolution at 1050 with talks, raves, / via Don Jensen)  
 and rants, in language, good lvl. (ODDX)...(FLASH) 6280 Radio Caroline has QSLed  
 marking the location as near Edinburgh, Scotland; time as, Sundays at 1400. Power  
 is thought to be possibly 150 watts. (John Campbell in Switzerland, via Larry Yarnon,  
 Pa.)  
**APRIL 1973. SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 5-7-73:** 1-65,  
 2-79, 3-93, 4-93, 5-75, 6-75, 7-76, 8-71, 9-68, 10-65, 11-62, 12-46, 13-41, 14-37,  
 15-35, 16-29, 17-16, 18-15, 19-32, 20-42, 21-45, 22-67, 23-72, 24-73, 25-67, 26-67,  
 27-67, 28-60, 29-54, 30-42 MEAN= 57.6  
**PREDICTED:** MAY-44 JUN-42 JUL-40 AUG-38 SEP-36 OCT-34 (Grady Ferguson, S.C.)  
**ACKNOWLEDGEMENT:** Thanks to all those who took the trouble to report. Did you see your  
 name there-in?...For copies of the FS, please do NOT send SASEs to me, send them to  
 HQs. I only prepare the masters. Thank you. Last minute FLASH items may be phoned  
 to 812-882-3976, after 2200 GMT. Please do not, in reporting, write on both sides of  
 the paper. There is a legitimate reason/idea, for this no-no.

# FRENDX FOTOS



EDITOR

Edward C. Shaw  
621 Burleigh Avenue  
Norfolk, Virginia 23505

Bill is a relative newcomer to the club, but has become very active in various hobby affairs, including the Handicapped Aid Program fostered by SPEEDX, from which Bill was introduced to his SX-190 receiver. He is an active DXer with nearly 160 stations logged from 100 countries. Bill, a disabled veteran, makes his home at 855 Elm Street, Beloit, Wisconsin, 53511. Other equipments include a Lafayette HA-700, Joystick and 55 foot longwire antenna, Joymatch and Triple-Purpose antenna tuners, Joymatch "Artificial Earth" ground system, and a Panasonic Cassette recorder.



R.G. (Bill) Paschke



Michael Wiseberg

Mike is 16 and makes his home at 31 Storer Dr., Weston, Ontario. To date, he has heard 104 and verified 76 countries in just over a year. His favorite QSLs are from Senegal, Thailand, India and Afghanistan. Receiver is an SX-190 using a 100 foot inverted "V". He also uses a vertical and an antenna switchbox, and a cassette. He is member of several station sponsored clubs in addition to CIDX which is a sister club to NASWA and affiliate in ANARC. Mike also does a little ECB DXing. He has great interest in all things electronic. He'd like writing to others.

Larry Nebron of 27 Gordon Grove Drive, Daly City, Calif., 94015 is a student at California State University at San Francisco. He uses an Allied SX-190, hooked to a 60 foot long inverted "L" antenna. He has been DXing for two years and has logged over 80 countries, verifying 42. His other interests include work in local politics and consumer volunteer groups, ice hockey (you need to get in touch with Cam Birge, Larry) and BMW cars - he loves those. How about a couple of HRO-600's, Larry?



Larry Nebron



Dolly Dolyak

Evelyn is one of our more avid senior members making her home in a rest home at Box A, Griswold, Iowa 51535. She goes by the name of Dolly. She has been DXing about two years. Her current receiver is an Allied 2685, but is waiting for a better Heathkit to show up. Her first antenna was a wire woven into her bedsprings, but now she uses a 45 foot stretch around the ceiling of her room. She enjoys the QSLs received. Dolly has been a long time correspondent of mine and she writes a newsy letter. I'm her fan.

Lary is a real newcomer to the hobby, but has made good use of his Lafayette G7000 receiver. He has logged 25 countries and is looking for more. He is a member of Radio Prague's Monitor Club and belongs to the Amateur Radio Club at school where he is a Freshman. Lary hopes to study electronics and is giving some serious thought to going CB. His home is at 5616 Seventh Avenue, Brooklyn, N.Y. 11220. Here we see Lary set up complete with a globe and cassette taperecorder. What's the meter for, Lary?



Lary Custodio

Return to:  
NASHA  
P.O. Box 8452  
So. Charleston,  
West Virginia 2530  
U. S. A.



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