

FRIENDS

ALGIERS, ALGERIA NORTH AFRICA

THE VOICE OF AMERICA IN NORTH AFRICA

We are pleased to confirm your report of reception of our station on **31.22 m. 9610 kc** at **1948 hours, GMT**

The Voice of China

THE CHINESE INTERNATIONAL BROADCASTING STATION
Chungking, China

XGOX	XGOY
16.70m. 18.00m.	22.51m. 11.00m.
12.45m. 12.00m.	11.00m. 9.00m.

This is to verify your report dated **FEB 14, 1989**
Thank you and love to you.



RADIO BRAZZAVILLE



ZQP

LUSAKA NORTHERN RHODESIA

THANK YOU for your message on **Monday 23** at **1948 hours**. We shall be glad if you show us your report.

Complete details are daily in **Verifications** (12.00-18.30 hours) on **29.20 M.F.T.** (11.00-12.30 hours) and **29.20 M.F.T.** (18.30-19.00 hours) on **10.20 M.F.T.** (18.30-19.00 hours) on **10.20 M.F.T.**

Verifications: Monday - Thursday
19.00-20.00 hours
Friday - Saturday
19.00-20.00 hours

TONGA BROADCASTING COMMISSION

ZR

RUKU'ALOFI

ZJV

FIN BROADCASTING COMPANY LTD



SEE

AFRICA

10-10-89

CPRV

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

VERIFICATION CARD

The Voice of Guiana

GEORGETOWN

We are glad to verify your message report of reception of our station on **31.22 m. 9610 kc** at **1948 hours, GMT**. Thank you for your message.

ECUADOR RADIO

Radio Station, Quito, Ecuador

For a list of radio stations of Ecuador 21 June 89 09:35

JUAN S. BERN

WCRC

COLUMBIA BROADCASTING SYSTEM INC

WCDN
WCBN

WOOO

LA VOZ DE PANAMA

IDEAL

PANAMA

GREAT OPPORTUNITIES for companies & individuals in Latin America

INDUSTRIAS COMERCIO TURISMO

PARA EMPRESAS Y CADENA LATINO-AMERICANA

Empreses de Telefonos Ericsson

6130 KCTE
6900 KCTE

XETE

48.84 MTR
31.85 MTR

Ericsson

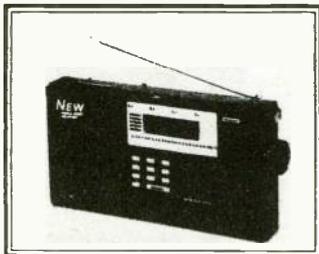
RADIO STATIONS TLLIMA

CP4 EN 1040 KC & CP5 EN 8090

CP4-CP5

WE WOULD BE PLEASED TO RECEIVE YOUR REPORTS OF RECEPTION OF OUR STATIONS WITH OUR LOGS & PROGRAMS AND BEST WISHES

Sangean ATS-803A



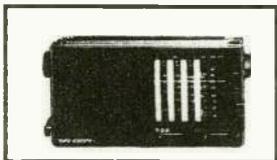
The new Sangean ATS-803A lets you hear it all: longwave, medium wave, FM and the entire shortwave spectrum. Five tuning functions offer exceptional versatility: manual tuning knob, keypad entry, auto scanning, manual scanning and memory recall. The large LCD digital display provides readout accuracy to 1 KHz. Finding your favorite station couldn't be easier! Nine memories are provided to store stations of your choice. Five other memories retain the last station tuned on five bands (LW, MW, FM, SW and AM). A BFO knob is provided for SSB/CW reception. A dial lock and dial light are provided. This radio offers exceptional fidelity because of its large 4" speaker and use of both Bass and Treble controls. FM Stereo reception is featured through the headphone jack. An RF control insures maximum sensitivity without overload. A built-in 24 hour LCD clock can turn the radio on at any preset time. Jacks are provided for external antenna, stereo headphones, tape recorder and external power. An AC adapter is included at no extra cost. Requires two AA batteries for clock/memorys and six D cells for portable operation. This newly improved model features a Wide-Narrow selectivity switch. Covered by the new Sangean America six month factory limited warranty.

SPECIFICATIONS

Dimensions 11 3/8" x 6 1/4" x 2 1/8"
 Weight 4 Lbs. (6 Lbs. ship)
 Frequency Range ... 150 - 29999 KHz
 87.5 - 108 MHz FM
 Power 120 VAC 60 Hz or 4.5DC

ATS-803A List Price \$239.95
 ATS-803A Discount Price
 Order #3068 \$189.95
 Shipping/Handling/Insurance \$5.00

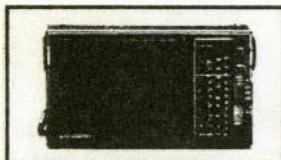
Sangean SG-789



Great performance in small package! AM and FM are provided with FM stereo to the headphone jack. Eight major shortwave bands are covered: 2.3-5.2, 5.8-6.25, 7.5-7.55, 9.45-9.9, 11.6-12.05, 15.0-15.6, 17.45-18.10 and 21.45-21.95 MHz. Includes 3" built-in speaker and LED tune light and FM stereo LED. With carrying case and strap. Six month limited warranty. Requires just three AA cells or 4.5 VDC adapter (both optional).

SG-789 List Price \$74.95
 SG-789 Discount Price
 Order #1096 \$64.95
 Shipping/Handling/Insurance \$4.00

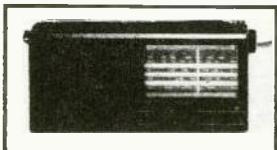
Sangean SG-702



Here is an economy analog portable that couples good SW frequency coverage with MW and FM stereo reception (stereo only through headphone jack). Shortwave coverage is divided into two bands: 2.3-6.2 MHz and 5.8-15.6 MHz. Includes LED tuning and stereo indicators, stereo-mono switch, carry strap and six month limited warranty. Requires just four AA cells or 6VDC adapter (both optional).

SG-702 List Price \$39.95
 SG-702 Discount Price
 Order #1088 \$35.95
 Shipping/Handling/Insurance \$4.00

Sangean SG-792



If you are DXing for Trisun da Cunha, this is not the radio for you. But wouldn't it be nice to have a compact shortwave radio with you when you travel? While you may not hear exotic DX on this model, you will enjoy solid reception from the major SW broadcast stations. The nine band analog SG-792 covers MW 522-1620 KHz, FM 87.5-108 MHz and the major international SW bands: 2.3-5.2, 5.85-6.2, 7.1-7.5, 9.45-9.9, 11.45-11.98, 15.1-15.5 and 17.45-18.06 MHz. With LED tuning indicator, carry strap, and six month limited warranty. Requires just two AA cells or 3VDC adapter (both optional).

SG-792 List Price \$49.95
 SG-792 Discount Price
 Order #1651 \$44.95
 Shipping/Handling/Insurance \$4.00

HUGE SHORTWAVE CATALOG AVAILABLE

- ▶ Communications Rcvrs.
- ▶ Radioteletype Equipment
- ▶ Portable Receivers
- ▶ Facsimile Equipment
- ▶ Tuners and Preamps
- ▶ VHF-UHF Receivers
- ▶ Audio Filters
- ▶ Shortwave Antennas
- ▶ Headphones
- ▶ Books & Accessories

Universal Shortwave Radio

1280 Aida Drive Dept. FREN
 Reynoldsburg, Ohio 43068 U.S.A.
 Ohio: 614 866-4267 Toll Free: 800 431-3939

In business since 1942!
 • Visa, MC, Discover
 • We ship worldwide
 • Prices & specs. are
 subject to change.
 • Used equip. list available

STORE HOURS

Monday - Friday 10:00-5:30
 Except Thursday 10:00-8:00
 Saturday 10:00-3:00
 Sunday -CLOSED-

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

R. CHARLES RIPPEL
Executive Director
1272 Parkside Place
Virginia Beach, VA 23454

An Open Letter to the NASWA Membership

I would like to personally welcome each reader to what I am sure will be another productive chapter in the long history of NASWA. It is indeed a privilege for me to serve the membership of this organization. It is my aim to work closely with the Executive Council, Editorial Committee and editorial staff to see that NASWA surpasses its past accomplishments in becoming the baseline organization representing and meeting the needs of the Short Wave Broadcast Enthusiast hobby.

The theme which will serve as a foundation to allow these goals become reality is quite simple in concept: Inclusion. I would like to see NASWA welcome, encourage, and include as many individuals, regional groups and clubs as might wish to participate in maintaining NASWA as the strongest and largest club of its kind on the North American Continent. There is strength in numbers; our hobby does not need to be fragmented.

You may have heard that "our hobby is in decline" or "clubs are no longer needed, evidenced by shrinking memberships." In some circles, that may be true, but it is far from being the case with NASWA. Our real strength continues to be demonstrated. In the last quarter of 1988 alone, NASWA's membership roles experienced real growth moving upward a full 11%! Although all the data is not yet in, I understand we are showing continued strong growth in the first quarter of 1989. So much for the naysayers.

I have been rather outspoken about the FRENEX publication being perceived, at least on the surface, as NASWA's "end product." NASWA members have an absolute right to expect an informative, quality publication. For DX'ers, plan to see an increased level of cooperation between us and some of the weekly DX bulletins. The needs of the listening enthusiast have equal merit and importance. There are items in the planning stages to better recognize and meet those needs. Keep in mind that NASWA is a club and our Journal, FRENEX serves the hobby rather than being just another for profit publication. Tom McElvy's new column, FRENEX Portraits, is designed to personalize NASWA and FRENEX by devoting page space in our Journal recognizing the individuals who make up the NASWA membership and staff.

The Executive Council and Editorial Committee has been working quietly behind the scenes on the task of improving the FRENEX Journal. We are in need of a few motivated members to help with a Task Force whose job it will be to revise the new member packet. FRENEX could also stand a few extra folks to serve as back up editors. Editors become ill, go on vacation, resign or, simply need a break. If you are interested in any one of these "jobs," please drop a note to Harold Cones, Editor in Chief. If you are interested in serving on the task force or in being a backup editor, please drop Harold a note at: 2 Whits Court, Newport News, VA 23606. Be sure to let him know your experience and qualifications for the position you are interested in.

I would like to thank those individuals who have of late donated their time and energy to NASWA. Among those are: John Bryant, Rowland Archer, Harold Cones, John Kapinos, Don Jensen, Bob Brown and the balance of the Executive Council and Editorial Committee. As always, special thanks go to Bill Oliver who spends many hours making sure each of us receive a quality publication.

DX'ers Forum

Dedicated to Furthering
the Art, Science and
Enjoyment of DX'ing

Conducted by Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613 March, 1989

Late breaking news from Bob Horvitz via Media Network -- on February 14, the FCC announced their decision to **NOT** require the placement of warning labels on all shortwave receivers. These labels were proposed to inform consumers that they could possibly violate the Electronic Communications Privacy Act by using the radio. The radio listening hobby is misunderstood enough already without adding warning labels to the picture! Imagine the new recruit to DX'ing, say a Boy Scout working on the new shortwave listening merit badge, trying to convince his parents that shortwave is a great hobby -- meanwhile the tools of the trade carry warning labels that sound like he's engaging in wiretapping! Hats off to the FCC for exercising good judgement in this affair.

I was doubly pleased when Don Moore offered to write this month's feature article on DX'ing Brazil. Not only am I interested personally in learning more about Brazil and its radio scene, but if all goes well I should be visiting the country later this year. After reading Don's article I can't wait to go! Even if you don't plan to visit Brazil itself, I'll bet you fire up the rig and do some more listening to the stations of this diverse giant to our south.

BRAZIL: DON'T IGNORE IT - DX IT!

By Don Moore

Ask some DXers what their favorite DX countries are, and you'll get a variety of predictable answers: Peru, Indonesia, Bolivia, China, the USSR, etc. Someplace way down the list Brazil might pop up, but maybe not. Somehow Brazil has just never generated much excitement among North American DXers. Yet, Brazil can be a fascinating country to DX - and it's much easier than many imagine.

Before we look at the radio side of things, though, let's take a look at the country itself. Brazil is huge - the fifth largest country in the world, and larger than the continental USA. Its population of 140,000,000 is probably the most ethnically diverse to be found. In the *nordeste*, or North-eastern states such as Ceara, Bahia, and Pernambuco, the population is largely negro or mulatto (mixed black and white ancestry). As one moves south, the descendants of African slaves gradually give way to *meztizos* - people of mixed European and Indian ancestry.

From Sao Paulo south, the population is mainly of pure European descent. At the same time that millions of Europeans were emigrating to the US, in the late 19th and early 20th centuries, millions were also emigrating to southern Brazil. In the south, there are entire towns descended from Germans, Italians, Poles, and Yugoslavs, among others. There are even a half million Japanese in Parana and Sao Paulo states. As would be expected for such a

diverse ethnic quilt, Brazilian culture varies from region to region. But regardless of which part of the country one is in, Brazilians share a liking for good music and having a good time.

THE STATIONS

There are few countries in the world with as many shortwave stations as Brazil. The only countries that might have more are Peru and Indonesia. However, a quick look through the WRTH will show that Brazil's stations are generally more powerful. Few Brazilian stations use less than one kilowatt, although many in Peru and Indonesia do. Some Brazilian stations even mirror their country's vast size. For example, Rede Globo, which owns two shortwave Radio Globos, one each in Sao Paulo and Rio de Janeiro, also operates the fourth largest TV network in the world.

Historically, shortwave has been necessary in Brazil because of the country's size. In the less populated areas, shortwave is the only way to broadcast to widely scattered villages, ranches and settlements. To the most important stations in the big cities, shortwave is the only way they can obtain truly national coverage.

Shortwave is a part of Brazilian culture. It even finds its way into Brazilian literature, in the works of Brazil's most beloved novelist, Jorge Amado. For example, in his 1975 novel *Tieta*, when the

Ligue 93,7 MHz

CULTURA FM

Brasileirissima.



prodigal daughter made rich in Sao Paulo returns home to her impoverished family in northeastern Brazil, she brings gifts for all - including a fancy shortwave receiver for her brother-in-law. The entire family is amazed at the clarity with which they can hear stations from the major cities of far-off southern Brazil, and even Yugoslavia!

In his 1983 FRENEX article on DXing Brazil, Al Sizer noted that the 1983 WRTH listed 191 frequencies in use in Brazil, with some stations using several frequencies. By 1988, the figure had dropped to 151 frequencies used by 111 stations (out of a total of 1114 stations). Many stations in the more populated coastal states have dropped shortwave frequencies in recent years.

Radio Nacional do Brasilia...just happens to be one of the best tools a DXer can have for DXing Brazil

However, that does not mean that shortwave is dying in Brazil. As Brazil's western Amazon basin opens up to settlement, more stations are starting up in that region. Many of them use shortwave - it being the only viable way of communicating over such vast distances. In the Amazon region, 35 of 57 stations use shortwave, and there is plenty of room for expansion. For example, Roraima territory - as big as Illinois - has only one radio station! To our advantage, new Amazon stations will be easier to hear than those of southern Brazil, since the Amazon is the closest part of Brazil to North America.

Most Brazilian SWBC stations are found on the 90 and 60 meter tropical bands. A few use 120 meters, or out-of-band frequencies in the 3400-4200 range. If you hear a station in these bands broadcasting in Portuguese, you almost certainly have Brazil. The exceptions being during times of day when some African stations can be heard in Portuguese. Note

that most 60 MB frequencies have two or more Brazilians on them, making hearing an ID essential.

One thing unique about Brazil among tropical countries, is the heavy use of the international broadcast bands by the country's domestic stations. True, most Brazilian shortwave stations use the tropical bands. Yet, there are about 2-3 dozen stations that can be found from 49

meters, all the way up to 16 meters. Their low-powered transmitters - generally around 10 kilowatts - make them hard to hear among the more powerful international broadcast stations, yet given a clear channel they get out quite well. For example, in the winter, when the 25 MB won't propagate from Europe to North America during the evening, usually several 25 MB Brazilians can be heard clearly. As many Brazilian international band stations use frequencies in more than one band, they can sometimes be IDed, so to speak, by hearing them on two parallel frequencies at once.

When the Brazilian stations listed in Passport to World Band Radio or the WRTH are compared to those logged in North American DX club bulletins, it's easy to see that many stations rarely if ever get reported. One might think that these stations are inactive. Yet reports from DXers in South America show that they really are on the air. Why aren't they heard in North America then? Although there are a few Brazilians, especially in the Amazon region, which can be heard nightly, many simply are not "regular stations". Most can only be heard with better reception conditions, unlike closer and regularly received stations in Venezuela, Colombia, and Central America. When you combine that with the facts that not many North American DXers seriously go after the Brazilians, and that the best time to hear Brazil is between 0700-0900 (when most of us would prefer to be sleeping!), it's easy to see why Brazilian stations get missed by North American DXers.

THE LANGUAGE BARRIER

If there is anything that Brazilians want you to know about their country, it is that they speak Portuguese, not Spanish. Brazilians get very insulted by geographically ignorant foreigners who think everybody in Latin America speaks Spanish. Still, the two languages are very similar. If you know some Spanish, you can probably pick out a few words of spoken Portuguese. The biggest difference in pronunciation is that Portuguese has some very nasalized vowels and diphthongs.

It is impossible to seriously DX Brazil without a minimal familiarity with Portuguese pronunciation. After all, if you're trying to hear an ID from Radiodifusora Jatai, you have to know how "Jatai" is pronounced - it's not the same as in English. Taking a class at a nearby university would be helpful, but there's a far easier way. Just log your first Brazilian station in English!

Sounds contradictory, right? Not really. Unlike other DX-target tropical band countries, Brazil has an easy to hear international SWBC station, Radio Nacional do Brasilia, that broadcasts in English. This station just happens to be one of the best tools a DXer can have for DXing Brazil. The English broadcasts contain extensive Brazilian news, and other features about the country. Most importantly, though, all Brazilian states, towns, and cities are given their Portuguese pronunciation. Listen to the station several times with a good map of Brazil in front of you. Note how place names such as Ceara, Cuiaba, Paraiba, and Minas Gerais are pronounced. Keep a tape running, and play the names back later for practice. Soon you'll not only know how different Brazilian placenames sound, but you'll develop some ideas of how written Portuguese corresponds to spoken sounds.

While you're listening to Radio Nacional's English broadcasts, you'll learn more than just Portuguese pronunciation. Their features will help you gain an understanding of Brazilian culture, which will be useful in DXing the country. Also, Radio Nacional plays a variety of Brazilian music - essential knowledge for effectively DXing Brazil. It almost seems like someone down there said, "DXers in North America seem to be ignoring us. Let's teach them everything they need to know in order to DX our radio stations." To top it off, Radio Nacional is a fun laid-back station to listen to.

PROGRAMMING

Most Brazilian SW stations are commercial, and simply simulcast their station's AM frequency. The programming is not much different from what you would hear in the US or Canada, except the language is different. Most stations play music of one type or another, with occasional time checks, advertisements, community announcements, or station IDs thrown in. Phone-ins can sometimes be heard, especially from the big city stations. News broadcasts are usually on the hour, sometimes on the half-hour.

DXers complain that Brazilian stations do not seem to ID as frequently as their Spanish-American

Boy Scouts to Offer Merit Badge for Shortwave Listening

An ANARC News Release

by Robert Horvitz

Washington (9 February 1989) -- The Boy Scouts of America have decided to award Merit Badges to Scouts demonstrating skills in shortwave listening.

Until now, the Scout Radio Merit Badge was based exclusively on "ham" operating skills. But it drew little interest, so the national BSA leadership decided to expand the range of activities satisfying the badge requirements. The new guidelines will be published in about 6 weeks. They are expected to include: logging shortwave broadcasts, band surveys at different times of day, compiling the schedules of major broadcasters, and locating broadcast sites on a map.

ANARC will help the boy scouts implement this program. You can help, too. Each of the 410 local Scout Councils in the United States now needs a Radio Merit Badge Counsellor with shortwave listening experience - to advise troop leaders and scouts, and evaluate individual merit badge efforts. Each local Council will choose its own counsellors. If you want to volunteer, look up the local Boy Scout Council in your phonebook and call them. Tell them you're willing to act as a local counsellor for the Radio Merit Badge's shortwave listening option. If you are selected, contact ANARC (P.O. Box 143, Falls Church, VA 22046).

This is a golden opportunity to promote shortwave listening among young people. Copies of the new Radio Merit Badge guidelines will be available in Scout shops as Pamphlet #3333. To order a copy for delivery by mail, call the Boy Scouts national toll-free order line: 1-800-323-0732.

For more information contact Robert Horvitz: 1-703-534-7443.

• • •

I agree with Bob that this is an excellent way to further the fascinating and educational hobby of DX'ing and shortwave listening. Instead of sitting around and moaning that "all the younger generation wants to do is play with computers," why not give your local Boy Scout Council a call right now?

Feeling Artistic? Design a LOGO!

The details are still being hammered out but the NASWA editorial board is putting together a contest to design a NEW NASWA LOGO! The winning design will be used in club publications, correspondence, and "logo-able" goodies. Our intention is to have a substantial prize for the winning logo, and the deadline will probably be in June. Full information will be in next month's FRENEX, but now you know enough to get a headstart on the competition -- so sharpen those pencils and go to it!

counterparts. After extensively monitoring Brazilian stations, I think that is true. However, when Brazilians do ID, they more often used long "canned" (pretaped) ID announcements, mentioning the station name, location, call letters, and frequencies. So, if the station name is drowned out in a burst of static, you may be able to transcribe the location, AM frequency, or call letters, so as to ID the station. Most Brazilian stations seem to play a canned ID about once every half-hour, but rarely ID otherwise.

Brazil has a very well developed music industry, and, be it folk music, pop, or rock, most music heard on Brazilian stations is homegrown. In fact, Brazilian pop music is not only popular in Brazil, but it frequently wins international competitions as well. As mentioned above, the best way to become familiar with Brazilian music is through the international broadcasts of Radio Nacional do Brasilia.

Like commercial stations in North America, Brazilian stations also broadcast live play-by-play sports. In Brazil, the most popular sport - it's practically the national religion - is *football*, or soccer. Soccer games are easy to recognize by the "spacy" stadium audio sound and the mile-a-minute speed at which the announcers speak. As the play heats up, the announcers talk faster and faster and faster, until finally a point is scored and, with the crowd cheering in the background, the announcer screams "OOOOOOO (insert about a thousand 'O's here) OOOOOOOOOOAL!" Some announcers have actually been clocked dragging the word out for over a minute. Even if you don't understand a word (except GOO ... OAL!), listening to a Brazilian soccer game is a real taste of Brazilian culture. If there is a list of "must hear at least once" things for SWLs and DXers, Brazilian soccer games surely has to be on it.

Unfortunately for DXers, however, Brazilian stations never ID during soccer games - not even at the top of the hour. Even if you can pick out which teams are playing and where they're from, that doesn't help since games are broadcast nationwide, just like sporting events in North America. The only thing to do is enjoy the game, or keep checking the frequency until the game's over.

Not all Brazilian stations are commercial. There are educational and cultural stations too. Most stations with *Cultura* in their names are owned by state

or municipal governments, while most with *Educadora* or *Educacao* are run by the Catholic church. Additionally, the national government runs a chain of Radio Nacional stations in the principal towns of the Amazon basin. The programming on all of these is going to be somewhat different than that of the commercial stations - no or few ads, more talk, etc. They are roughly equivalent with Canada's CBC and NPR in the US.

There are also a number of Brazilian stations named either *Radio Clube de ...* or *Radio Sociedade ...*. These are among Brazil's oldest stations. Most started out in the 1920s, when only a very few wealthy Brazilians owned receivers. In many cities, clubs were formed which supported nonprofit radio stations through contributions from the members. By the 1930s, however, more Brazilians owned radio receivers, and commercial radio stations came on the air. Gradually the "radio clube" and "radio sociedade" stations switched to private commercial ownership.

There are two Brazilian radio programs of special interest to the DXer: *A Voz do Brasil* and *Proyecto Minerva*. The first of these came on the air in the 1930s, when the government of Getulio Vargas needed an effective way to fight his political opponents. Recognizing the power of radio, his government started *A Voz do Brasil*. The hour-long program is still around today, and by law all stations must relay it, Monday to Friday, at 7pm (2200 UTC). A more recent addition to the lineup, *Proyecto Minerva* is produced by the Ministry of Education. All stations must relay this program from 8:00-8:30 pm (2300-2330 UTC), Monday to Friday.

Actually there is some doubt among DXers if all Brazilian stations really do relay these programs. Still, in the Venezuelan DX bulletin *The Radio News*, Brazilian DXer Samuel Cassio Martins recently confirmed that the law remains in place. Samuel pointed out that during the programs, there are no commercials, and the only station ID is at 2300 UTC, during the brief break between the programs. Note that when Brazil is on summer time (during the North American winter), both programs are one hour earlier by UTC, than the times listed above.

WHEN TO HEAR BRAZIL

Because Brazil is farther to the east, and hence in an earlier time zone, than the rest of Latin America,



Brazilians sign-off and sign back on earlier than other Latin American stations. Most Brazilians sign-off between 0200-0300 UTC, but they begin signing on at 0700, and most are back on by 0800. Similarly, Brazilians start to fade-in, and fade-out, earlier too. In Eastern North America, those in the 49 MB and below begin to fade in around 2200 UTC in the winter, and somewhat earlier in the summer. In the winter they begin to fade out around 0900. Remember, however, that Brazil is a huge country - there's a lot of difference in sunrise and sunset times between Natal, on the northeastern bulge, and Rio Branco in western Acre state. There is even a time zone difference between eastern and western Brazil. Overall, mornings are better than evenings for DXing Brazil, assuming you can drag yourself out of bed!

The key to hearing stations in the 31 MB and above is picking a time when the big European stations aren't there to drown them out. Thirty-one meters is especially good around 0900-1000, although there is QRM from Asia at that time. Twenty-five meters, on the other hand, is generally better on winter evenings.

REPORTING TO THE BRAZILIANS

Generally speaking, QSLing the Brazilians is just like QSLing the rest of Latin America - except the reception reports must be in Portuguese. Unless you happen to speak good Portuguese, the best way to write reports is with a copy of Gerry Dexter's Portuguese Language Lab. If you speak good Spanish, you might try getting a Portuguese dictionary with verb conjugations to make your own sentences. Although Portuguese grammar is more complex than Spanish, there is enough similarity that you will be understood by simply plugging Portuguese words into Spanish grammar rules. I recommend this more for supplementing your report, not writing the entire report.

Since few DXers seriously go after them, it's difficult to say how well Brazilians verify. Indications, however, are that Brazilians may be among the better verifiers in Latin America, if only because they

receive fewer reports, and therefore the reports are more interesting to them. This assumes that you send a good Portuguese report, and include mint stamps or a SASE (not IRCs!), and some goodies such as local postcards, pictures of your shack or your family, etc.

When you receive a Brazilian QSL, be sure to do your part to help the rest of us verify the station - send them a thank-you note. Too many Latin American stations have stopped verifying because they never received thank-yous, and thought that DXers don't really appreciate QSLs. More on why thank-yous should be sent, as well as appropriate Spanish and Portuguese sentences, can be found in *The Thank You Lab in Fine Tuning's DXer's Guide To Latin America*, 1989 edition. The booklet contains a number of other features of interest to Latin American DXers as well.

BECOMING A PRO

It's difficult to really become a pro at DXing any corner of the world without putting effort into learning more about the language and culture of that area. That holds true for Brazil. If you want to know more of the language, and taking a class is not possible, there are cassette courses available. You might want to check your local library before you buy one, however. While you're at the library, take a look at the books they have on Brazil. A good feel for the various regions and cities can be had by reading a travel guide. The *South American Handbook* has an excellent section on Brazil. For a picture of Brazil's move west to the Amazon basin, a recent issue of *National Geographic* had an interesting article on Rondonia.

The biggest factor in becoming a pro, however, is experience. As you spend time listening to and logging Brazilian stations, you'll gradually learn more, and eventually you'll become a pro without even knowing it!

GOOD LUCK!

References

Sizer, Al. *Brazil*. FRENDX, October, 1983.

The Radio News. Volume 1, No. 6.

Oliveira, Omar Souki. *Brazil*. In *International Handbook of Broadcasting Systems*, edited by Philip T. Rosen. 1988.

Bonavita Federico, Maria Elvira. *Historia da Comunicacao Radio TV no Brasil*.

• • •

Thanks for a fascinating glimpse into the treasure trove of Brazilian radio, Don! Features like this make it a real pleasure to host DX'ers Forum. Enjoy the trailing edge of the DX season and don't forget to send those Brazil loggings and QSL reports to FRENDX!



Easy Listening

Editor: Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607

SUNDAY

- 2330-0000 With Good Reason (BBC). For those of you who enjoy VOA's issues in the news, a roundtable discussion of the week's events from a British perspective. (5.975). (Hans Johnson)
- 0030-0100 Spotlight (VOA). A program of short features from the Caribbean and Latin America. Features are from the fine arts to politics to culture. (5.995) (Hans Johnson)

MONDAY

- 0230-0300 Sports International (BBC). A program devoted to international sports, including soccer, cricket, yacht racing, car racing, etc. --even sometimes American baseball. (5.975)
- 0330-0335 Development Magazine (Radio France International). A program devoted to development projects in third world countries, notably Africa, but areas of the world as well, usually but not always focusing on French involvement, either public or private. (9.800)

TUESDAY

- 0030-0130 As It Happens (Radio Canada International). A news feature program, one of the best on the air. Many of the features are of Canadian concern--like Indian land suits against the government or the English language sign controversy in Quebec--but some features are of international interest--like the earthquake in Armenia. The program does quite a lot of phone interviews with people on the spot, and there is a phone line that one can call to voice his or her concerns on selected topics (like whether Ferguson Jenkins should be barred from the baseball Hall of Fame because of his arrest for drugs). (9.755 // 5.960)
- 0130-0145 How It All Began (BBC). An Explanation as BBC puts it of "recalling the origins of these present day facts-of life". A recent program explained why Japan has become the economic giant it has become and the characteristics of Japanese culture that accounted for this. (5.975). (Hans Johnson)

WEDNESDAY

- 1320-1330 Spotlight on Culture (Radio Yugoslavia). Part of Radio Yugoslavia's recently expanded English language service, this program features interviews with authors, painters, musicians, etc. to give an idea of present day culture in Yugoslavia. (15.325. Repeated and expanded at 2220-2240 on 9.660 and again at 0120 on the same frequency).
- 0145-0200 Society Today (BBC). This program selects a single feature of present day life in Britain and devotes fifteen minutes of interview and analysis towards it. Past programs have featured child care in Britain, retirement communities for the elderly, and the plight of decaying British cathedrals. (5.975)

THURSDAY

- 1300-1305 Arts in France (Radio France International). A program devoted, as the title implies, to the arts in France. Past programs have featured how modern science is preserving ancient manuscripts and an exhibition of artifacts from an ancient Pakistani civilization along the Indus River. (21.645 // 17.720. Repeated at 0330 on 9.800)
- 0345-0400 Asian Crossroad (Radio Japan). This program features anything that involves Asian co-mingling of culture and civilization, especially events that involve the old Silk Road from Turkey to Japan. The program is divided into three segments, the first being one or two short features, the second the major feature story (like Japanese assistance in helping Iran increase rice production along the Caspian Sea or a Japanese man who teaches farming techniques in Nepal). The third segment varies from month to month and has included a feature on the libraries of Asia, a Japanese organization that trains technicians from developing countries, and Japanese assistance in environmental projects such as reforestation in the third world. (5.960)

FRIDAY

- 1300-1310 Cinema Magazine (Radio France International). A feature on films, especially third world films, which includes interviews with directors and producers. During the Cannes Film Festival the program is especially interesting devoting much of its attention to the events there. (21.645 // 17.720. Repeated at 0330 on 9.800) Every other week.
- 0133-0147 Random Selection (Deutsche Welle). For those of you that wondered whatever happened to Larry Wayne's "Germany Today," this is it. Instead of airing for five minutes every weeknight, the show is now retitled and airs only once a week for fifteen minutes on Friday nights featuring lighter news

items in the German press. My favorite was the one about the two burglars who broke into a bed-ridden old woman's apartment, saw there was nothing worth stealing and that she was a invalid, and instead of robbing her, the apologized for the intrusion and left her twenty deutsche marks. (6.040 // 6.085 // 6.145 // 9.735 // 11.865. Repeated at 0333 on 9.700 // 9.605 // 9.545 // 6.130 // 6.010 and at 0533 on 6.120 // 6.130 // 5.960)

SATURDAY

1230-1300 International Country Music (Radio Australia). John Anderson plays the vest hits from the country music scene. Although most of the performers tend to be American country stars, there are also songs from Australia, New Zealand, and Canada. (9.580)

2315-2330 Jazz, Folk, Rock, and Pop from Poland (Radio Polonia). Pretty much what the title says and though some programs present a variety of songs in the different genres, others are devoted to a single theme, such as soldiers' songs from World War I or the current nostalgia craze in Polish pop music, featuring remakes of hits from twenty or thirty years ago. (7.270)

* * *

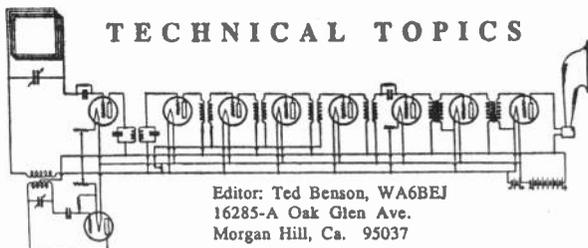
NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Five editions of WRTVH, 1983 through 1987. Seventy-five issues of Review of International Broadcasting, #35 to #128. All for \$50.00 plus \$5.00 shipping and handling. Thomas Cameron, 9 Ridgewood Drive, Northfield, NJ 08225. Phone (609) 641-4106.

FOR SALE: AEA-MBA Code Reader, CW/RTTY/ASCII, with AC adapter, \$99.00. WRTH '87 and '88, \$9.50 each. FRENEX '87 and '88 complete, \$7.50 a year. Passport to World Radio '88, \$9.50. Gilfer Confidential Frequency List and Guide to RTTY Frequencies #6, \$5.25. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

FOR SALE: Popular Communications, September-82 (first issue) to June -87 complete, \$60.00 plus shipping. World Radio TV Handbooks '84, '85, '87, '88, \$8.00 each plus shipping. I can also provide 10:1 matching transformers as described in Fine Tuning Proceedings 1988. Perfect for matching Beverage antennas. Binding post inputs and SO-239 output, \$16.00 each postpaid. Steven R. Lare, 824 West 25th Street, Holland, MI 49423.

FOR SALE: Kenwood R-5000. Mint condition with original box and manual. Only two years old. \$600.00 plus shipping. Certified check or money order only, please. Martin Croze, 6017 Drew Avenue South, Edina, MN 55410. Phone (612) 922-1139.



TECHNICAL TOPICS

Editor: Ted Benson, WA6BEJ
16285-A Oak Glen Ave.
Morgan Hill, Ca. 95037

"WHERE WAS MOSES WHEN THE LIGHTS WENT OUT?"

The answer is: "In the dark!" The truth is, unless you can utilize battery power, that's exactly where you will be in an emergency. Are you one of those people who believes that an emergency will never come? All right, what about when you go away from civilization, but still want to listen to it? You will still have to resort to battery power, unless you are wealthy enough to afford vast solar panels. Today's receivers, with their high audio output and LED or cold-cathode gas discharge readouts, consume surprisingly large amounts of power. Unless you are willing to feed your radio money in the form of traditional "batteries," rechargeable cells may be for you.

Notice that I said rechargeable cells. Perhaps a moment to review terms is in order. First, a cell is the smallest functional electrochemical unit that will furnish power. Most "batteries" you are used to, such as AA, C, and D cells are not batteries at all, but *cells*. Have you ever heard the name "dry cell?" The word "dry" in the name refers to the fact that the internal electrolyte is in a "dry" paste, and not a liquid as in your car's battery. Dry cells have one positive electrode, and one negative electrode, with one electrolyte in between. So what is a battery? It is a collection of cells, usually wired in series for higher voltage (anyone know what would result if they were wired in *parallel*?). Your automobile's power source is a battery, because it contains 6 cells wired in series. Each cell provides 2.0 volts when fully charged, resulting in the familiar 12.0 volts for the battery as a whole.

There are several types of cells commonly available for direct use in receivers: carbon-zinc, alkaline, and nickel-cadmium ("ni-cads"). Of these, only the ni-cad type is rechargeable. Yes, I know there are chargers marketed for "extending the life" of carbon-zinc and alkaline cells - and the people who advertise them should have their tongues cut out! I have seen the explosion that can result from charging these cells. At the very least they are messy, and the worst they are downright dangerous!

Ni-cad cells are similar to traditional cells, but are made of different materials. Because of this, they are specifically designed to be charged and discharged repeatedly. One main difference between traditional cells and ni-cads is the output: traditional cells give 1.5 volts when new, but ni-cads only give 1.2 volts when fully charged. Receivers designed to operate from ni-cads are able to compensate for this difference, but if you are designing your own supply it will be a factor.

Many modern receivers are capable of operating from either traditional or ni-cad cells, and have a connector for attaching an optional charger. If you have one of these units, you are well advised to buy their charger. It avoids the hassle of finding a charger with the correct voltage, current, and connector. If your receiver is not equipped for charging, you may still be able to use ni-cads.

As I mentioned earlier, the voltage difference between ni-cads and traditional cells is marginal. This means that you can use ni-cads if you can charge them when they get hungry.

NOTHING IS FREE

A traditional cell furnishes energy by chemical action. The chemicals in it actually generate power. As long as the chemicals last, the cell furnishes power. Eventually, the chemicals wear out, and the cell is "dead." A ni-cad functions differently. It stores a charge supplied from outside, and furnishes power until the stored charge is given up. The chemicals don't wear out, though, which allows you to repeatedly replace the charge (by "charging") and re-use the cell. Some ni-cads can go through this charge/discharge cycle several thousand times! How you charge the cell, however, has a direct influence upon how many cycles it will serve you.

All cells have an "amp-hour" specification. This is a rating of how many amps of current can be supplied for a given time. A 100 amp-hour cell can supply 100 amps for 1 hour, or 1 amp for somewhat longer than 100 hours. The amp-hour rating is important for two reasons. If you demand more current than a cell is rated to deliver, you can damage or destroy it. When you charge a cell you supply current back into it. If you supply too much current while charging a cell, you will also damage it. The "magic" number for ni-cads is $0.1 \times C$ where C is the amp-hour rating of the cell. For example, if you have a typical AA size ni-cad, its amp-hour rating is 0.5. A safe charging current, then, is 0.1×0.5 or 50ma. Notice that whether you are charging a single cell, or a battery, the current is based on the amp-hour rating of the individual cell, because in a battery the cells are connected in series, and current at any point in a series circuit is the same.

WHAT IS A CHARGER?

In this case, it is not a white horse (sorry, I couldn't resist). A charger is an AC to DC converter, with a provision for limiting the current it supplies. There is one curious thing about ni-cad cells: they tend to act as filter capacitors when being charged. This simplifies the charger greatly, because it only has to contain one diode (instead of a four diode bridge) and a current limiting resistor. It doesn't need tight voltage regulation, or even good output filtering (half-wave rectified DC from the single diode is fine). This means no large electrolytic capacitors or filter chokes.

To determine what is needed in the way of a charger, a few things must be known. We need to know the voltage of the cell or battery; its amp-hour rating; and how long we are willing to wait for a full charge. The last question is easiest: the longer we wait for a charge cycle the happier the battery will be. In practice, 12-14 hours is a good figure. Many consumer items that come with rechargeable batteries take up to 24 hours to charge. There is a good reason for this. The designers assume that users will be careless and allow the charger to remain on much longer than is needed. This would shorten the battery's life, so the designer's intentionally lower the charging current, which protects the battery but lengthens considerably the time needed to recharge. The battery's voltage is easy to determine, and most ni-cads have their amp-hour rating printed on them. Even when they don't, the information can be obtained for a comparable size cell from manufacturer's catalogues.

The value of the current limiting resistor is calculated from the above data as follows:

$$R_{lim} = \text{Voltage of Battery} / \text{Charging Current}$$

$$\text{Charging Current} = \text{Amp-Hour Rating} \times 0.1$$

Next month, we will complete the groundwork needed to build our own ni-cad charger - both with and without bells and whistles - and review some problems and solutions when dealing with surplus and damaged ni-cads.

Edited By:

Tom McElvy, WDX4KQH

P.O. Box 9645

Norfolk, VA 23505-0645

FRENDX PORTRAITS

a look at the members

Well, well, well. Here it is, the second of this new column, and I cannot BEGIN to tell you how wonderful the response has been! Already, there is enough to do several issues. *Curiously, our Executive Director has not provided me with any information about himself, so I guess that we will have to wonder about him.* This month, as promised, we will start out looking at our good friend and Publisher,

Bill Oliver

Bill has done quite a bit for NASWA in his life from running columns to being the Executive Director and Publisher. Born on November 19, 1928, Bill has been involved with the hobby since 1973, when he joined NASWA. Of course, SWL'ing is not his only pursuit; Bill also enjoys the game of chess, as well as foreign languages.

In 1975, Bill began his first editorial stint with *FRENDX* as QSL Editor, and carried out those duties until 1978. That was the year that put a little gray on his



head, as he assumed the duties of Publisher that year. Of course, being the saintly soul that he is, Bill took over as Executive Director of NASWA in 1981, a position that he held until Chuck

Rippel received the appointment as Executive Director in 1988. Of course, Bill still carries out the duties of publisher to this day!

Working for Standard Technologies in Jenkintown, PA for the last 35 years, Bill has always found a way to get *FRENDX* out on time (how, I don't know, but he does). He thoroughly enjoys his work for the hobby, and even gets time to enjoy the hobby itself. His wife, Evelyn, has made the job somewhat easier. She helps out by making trips to the post office when Bill is at work; affixes postage to the Canadian and foreign subscriptions, and even helps out with the address labels.

To sum up Bill in a few short words, he is one heck of a guy. When you consider he has a job, wife and family, and then does all that he does for this hobby, one cannot help but admire him. I only wish that there were more people like Bill Oliver out there.

And from the northern portion of New Jersey...

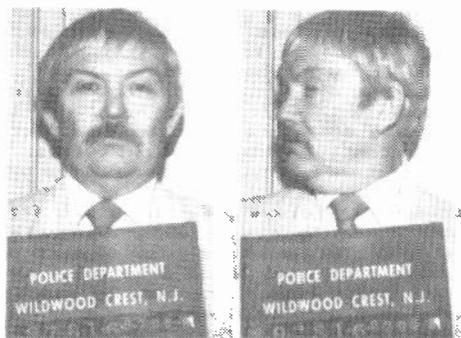
My name is **Bill Cole** and my association with NASWA goes back to 1981. I edited the "Computer Corner" in *FRENDX* for two years before passing the duty on to Tom McElvy. My primary shortwave interest is as a shortwave listener. In addition, I am addicted to scanners and computers (I knew you had good points, Bill, hihi- ed.).

My first experience with radio was at age seven (or was it eight?). My father built me a homebrew crystal set that received the local mediumwave station and nothing else!

I became interested in shortwave when I was about fifteen years old. That year my father gave me a Heathkit AR-3 receiver for Christmas. It was duly assembled and, despite cold solder joints, has provided many hours of service.

My next experience with radio came at age 22. The U.S. Army decided to train me as a Radio Telephone Operator. Among the many radios we used was a gem made by Crosley in 1944 with the nomenclature URT-368. This old klunker was as big as a kitchen stove with tubes the size of lightbulbs. We used it to hetrodyne the local AFTRS outlet when they refused to play our requests. (Funny, Bill - ed.)

These are the only black & white photographs I have. They were taken the night Dr. DX and I were busted by the vice squad at a massage parlor. Dr. DX says he intends to chronicle this adventure under the title, "Dr. DX Gets Rubbed The Wrong Way!"



Bill Cole at a weak moment...

General Stuffs:

Actually, I really blew it in the first column. I have since found out from Bill Oliver that the pictures do **NOT** have to be in black and white, and can be of most any convenient size. The printer will screen and adjust the picture size for us, so that our column sizes are met. Sorry about that...at least now you have NO excuse to not sit down and write about yourself!

I received a phone call from Dr. DX this week, and he has promised to write a bio for us. I have also received calls from other members, wanting to know when their bios will be in the magazine. Well, I cannot make promises other than if you do send in a bio, it will get published! Oh yes, if you want the picture returned, please include a SASE with your letter.

Until next month, 73!

SWL - (a PC to Kenwood R-5000 control Program) controls a R-5000 Communications Receiver from an IBM PC XT or AT or compatible personal computer. It shows full information on memory channels including name of station, mode, function, when last heard, SINFO, and comments. SWL computerizes logging of stations and printing of log report. It backups memory to disk for archive and even allows multiple groups of 100 memories. This program has been tested by Kenwood Communications and is on their software list. This program supports color and mono monitors and both serial ports and has full documentation.

SWL is available with a money back satisfaction guarantee for \$49.95. Send a check or money order to: Timothy R. Hickman; 1342 Brook Road; Baltimore, MD 21228

=====

A PROFILE OF DR. DX

=====

by Dr. DX's Friend and Colleague, Dr. Shrink

Occasionally an individual undergoes a meteoric rise to fame and notoriety predicated on the outstanding contribution to and preeminence in his/her chosen field. Dr. DX is not such a person, however in spite of himself he has become a cult hero in some circles. This month we are happy to present the following profile of Dr. DX which was contributed by Dr. DX's friend and colleague, Dr. Shrink.

Dr. DX really has a PhD. Dr. DX also has a BS, a MS., a MRS., a VW., lots of BVDs, and occasionally a few BUDs.

Dr. DX wears a beard. This can best be understood by viewing a picture of Dr. DX without a beard.

Dr. DX really has a wife, Mrs. Dr. DX. Mrs. Dr. DX is a very quiet and patient person. Mrs. Dr. DX has to be a very quiet and patient person.

Dr. DX drives a VW Beetle convertible with licence plates "DR DX."

Dr. DX has two teenage daughters. This is why Dr. DX drives a VW Beetle convertible.

Dr. DX's daughters have a horse. This is why Dr. DX's VW Beetle convertible has a trailer hitch.

Dr. DX sometimes smells funny. This is because Dr. DX's daughters have a horse.

Dr. DX's favorite place in the world is the Pink and Purple Pancho Villa Room of the Beautiful and Historic Fiesta Motor Inn in Willow Grove, Pennsylvania.

Dr. DX's doctoral dissertation involved counting worms and other creepy things in the mud on the bottom of Lake Erie. As Dr. DX says, truth is sometimes stranger than fiction.

Dr. DX was recently featured in his local newspaper for his trend setting haberdashery. Jeans and tee shirts are "in" this year.

Dr. DX occasionally plays poker with his friends. Dr. DX is a major contributor to his friends' financial well being. Mrs. Dr. DX wishes Dr. DX would not play so much poker.

Dr. DX's radio room used to be a closet. Dr. DX spends a lot of time in his radio room. Mrs. Dr. DX wishes Dr. DX would come out of his closet once in a while.

Dr. DX likes to ride the train. Dr. DX likes to wear his Official AMTRAK Cardboard Railroad Hat, his red bandana and his bib overalls when he rides the train.

Dr. DX loves to change trains at Penn Station in New York City at 3 in the morning. Dr. DX does not wear his Official AMTRAK Cardboard Railroad Hat, red bandana and bib overalls when changing trains in Penn Station at 3 in the morning. Dr. DX is no fool.

Dr. DX is a marine biologist. Dr. DX has never been a Marine. As Dr. DX often says, so it goes.

In summary, Dr. DX seems to be as normal, well adjusted, and harmless as the other inmates in this institution, and once we convince him that he is not a NRD-525 he should be able to resume his rightful place in society, providing of course that we can discover where that is.

the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

Announcing The CPRV Registered Collections Program

This month the committee is pleased to announce the availability of a needed service, often discussed among QSL seekers: an easy way to insure that your QSL's do not get tossed out with the trash when you are no longer around to take care of them.

It's the **CPRV Registered Collections Program**, and it works like this. CPRV will supply you with stickers to place on your QSL-albums, shoeboxes, shopping bags or wherever else you like to keep your QSL's. The stickers contain the Committee's permanent post office box number, and a statement that you wish your QSL's to be donated to the Committee when you are no longer able to enjoy them. This is not a "legal" donation (which would require a will), nor is it irrevocable (you can change your mind at any time just by removing the stickers). Rather, it is an indication to family and friends of what you would like done with your QSL's when the time comes. Your family takes it from there.

The stickers are professionally printed, blue on white. They cost 50¢ each, and you can get as many as you'd like. For a registration form and more detailed information, send a business size SASE to this address: **CPRV Registered Collections Program, John C. Herkimer, Program Coordinator, P.O. Box 54, Caledonia, NY 14423**

The Committee has found many instances of major QSL collections being lost or discarded because family and friends didn't know what to do with them or had no interest. Don't take that risk. Protect your investment in your QSL's by contacting John Herkimer.

SHORT WAVE
STATION

ZFY

The Voice of Guiana

OWNED AND OPERATED BY

THE B.G. UNITED BROADCASTING CO., LTD.

P.O. BOX 272, GEORGETOWN, DEMERARA.

THE BRITISH GUIANA BROADCASTING COMPANY,
Georgetown,  British Guiana.

V.P.3M.R.
"THE VOICE OF GUIANA"
SOUTH AMERICA.
7060 Kcs. 150 Watts.

We have great pleasure in verifying your report of
reception of our programme on 23rd March 1936

Our present Schedule is—
Sundays 9 a.m.—11.30 a.m. 12.45 p.m.—3.15 p.m.
Week days 6 p.m.—10.00 p.m. 9.45 p.m.—1.45 a.m.
LOCAL TIME GMT

Station V.P.3M.R.
RE: *10 Days*

A Committee of the Association of North American Radio Clubs



Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702
(until April 30: Box 4254, Austin TX 78765)

PROPER CREDIT Other publications and broadcasters may use material from LN, provided due credit be rendered to the original reporter and the NASWA Listeners Notebook. This courtesy does not extend to closed organizations which do not allow reciprocal access to their publication. BBC Monitoring service items (designated WBI for World Broadcasting Information) are copyright and may not be reproduced without BBCM permission. The most important items have been broadcast immediately on SWL DIGEST or WORLD OF RADIO, not otherwise mentioned herein. All contributions to LN are gratefully received, but your editor cannot promise a personal reply because of severe time constraints. Material for LN should be marked as such each time, not just on the envelope, as input for other gh outlets also comes to Box 1684/4254. Reports to gh should not be cut into little strips. It also helps if you use one side of paper only and do not mix LN items with other correspondence. All times, dates and days are day/month GMT = UTC, u.o.s. Please do not ask gh for advice on receivers or other equipment. Thanks (gh)

AFGHANISTAN Monitoring research 18-23 Jan: R Afgh DS in Pashto & Dari found on 4940 at 1110 19/1, seems ex-4760; hrd again 20/1 w/ES in PS & DR 07-09, EG 09-1030, then relays of Afgh radio first & 2nd pgms until 1940*. R Afgh Kabul City Svc now hrd on 6100 //4775 (WBI 27/1) So is cland on 6100, qv!

/cf Feb LN-19; some of this crossed in the mail, but for sake of clarity, here it is/ /non/ Re my supposed log of an RA feeder on 5294.8 in Dec LN: I now see that this isn't RA, but IDs as "Afghanistan Radio ---" and is a neo-R Liberty pgm. More to the point, the other sideband, which I guess I didn't check (!) has RL Byelorussian, Russian, what seems TadzhiK 0130-0230, etc. Sorry. Anyway I should have remembered that this fq has been an RL feeder since "world-band" was "SW". To salvage something from this debacle, I will say that an RL Afghan svc was nx to me. Feeble, eh? (Richard Stoller, DE, 16/1) Jones is right, it is RL feeder and not RA as I mistakenly said; that LSB pgm, however, is several hours continuous in Pushto or Dari or some Farsi-ish lang, and the ID is "Afgh. Radio ---" and morning prayers abound. So I'm unconvinced it's some USSR-beamed Tatar-Bashkir pgm as Tony sez (Richard Stoller, 24/1) Secular US-govt-supported R Liberty blatantly violates separation of church and state by broadcasting religious svcs, just like VOA & R Marti (gh)

ANGOLA I'm still convinced the outlet on 4820.3 is not Luanda, but Emissora Provincial da Huila (Bernhard Gruendl, FRG, Jan DSWCI SW News) see CRANNY too

ARGENTINA Telam nx agcy reported 5/1: govt declared natl electric energy supply emergency. As of 7/1, TV stns'll xmit only 22-02 UTC, i.e. only 4 hpd (WBI 13/1) Noticias Args nx agcy reported 20/1: govt decree auth TV stns increase to 8 hpd from 1/2, 21-05 (WBI 27/1) I run such "impractical" TV items because: NASWA pays so much for WBI; they do have a bearing on general understanding of the bc situation in different countries (gh)

Obs since 20/1 show Arg extl svc, RAE, continues w/one xmtr only; too, most bcs appear moved forward by one hour. EG: 01-02 & 03-04 9690 Ams; 1630-1730 & exc Tu/Th 21-22 15345 Eu/Af (WBI 3/2) Due to DST of UTC-2, probably over now (gh) Rest of RAE sked was: 00-01 PT, 02-03 SP Am 9690. 09-10 JP, 10-11 PT As 11710. 11-12 SP Eu/Am, 12-13 SP Am 11710. 16-1630 AR ME, 1730-1830 GM Eu/Af as are following-- 1830-1915 FR, 1915-20 IT, 20-21 SP exc Sat/Sun GM when Am also target, 21-22 Tue/Thu GM all on 15345; 22-24 SP Am 9690. RAE total output amounts to 112 hpw, led by SP 40, EG 26 (WBI 10/2)

AUSTRALIA RA in EG; Sats, fqs suffixed w/x carry separate sports 01-0630 & 0830-0845. 00 As/Au/Am 21740 17795 17750 15320 15240 15160 15140. 01 21740x 17795 17750 17715x 15395 15320 15240x 15180 15160. 03 21740x 17795 17750 17715x 15395 15320 15240x 15160. 04 As/Au 21740x 17795 17715x 15320 15240x 15160 11910.

05 21740x 17795 17750 17715x 15395 15315 15240x 15160 11910. 06 21740x 17795 17715x 15395 15240x 15160 11910. 0630 21740 17715 15395 15240 15160. 07 Eu/As/Au 21740 17715 15395 15240 15160 9655. 0730 17715 15395 9655. 08 Eu/As/Au/Am 17750 17715 15395 9655 9580. 0830 17750 17715 15395 11720 9655 9580 5995. 09 17715 15415 11720=to 0930 9760 9655 9580 5995. 10 15415 9770 9655 9580 5995. 1030 As/Au/Am 15415 9770 9580 5995. 11 11800 11705 9770 9710 9645 9580 7215 6080 5995. 1130 21740 /how about that--even using 13m late at local nite/ 11800 11705 9770 9710 9645 9580 7215 6080 6060 5995. 12 21740 11800 9770 9710 9580 7215 7205 6080 6060 5995. 1230 21740 9770 9580 7215 7205 6080 6060 5995. 13 21740 9580 7205 6080 6060 5995. 14 9580 7205 6080 5995. 1430 9580 7205 6080 6060 5995. 15 9580 7215 7205 6080 6060 5995 /WBI overlooks 15140, in use for some time in this period, audible in NAM after 9580 fades out--at least when KJES isn't testing -gh/ 1530 Eu/As/Au 9580 7215 7205 6080 6060 6035 5995. 19 9580 7215 7205 6080 6060 6035. 20 9620 9580 7215 7205 6060 6035. 2030 As/Au 9620 /only fq for half an hour!!!. 21 15240 15160 9620. 2130 15395 15240 15160. 22 As/Au/Am 21740 17795 15320 15240 15160. (WBI 27/1)

Antara nx agcy reported 2/2: an Australian private TV stn is planning to bc educ pgms to SEAs, particularly Indonesia. MInfo so far not rcvd any req from Au for permit to bc TV to Indo. But stn has signed contract for use of transponder on Palapa satl, not for TV bc. Either one would require permit from MInfo. Educ bc in Indo must be in accord w/Indo educ system, not opposed to our own values; must not be non-pancasilaist /ref to state ideology, pancasila/, per Info Min Harmoko (WBI 10/2)

AUSTRIA see CANADA

BANGLADESH R Bangladesh, Dhaka, DS, SW usage only: 00-0320 4879. 0320-0415 7080 6195. 0415-0930 7080 6195. 1220-1600 6170 4879. 16-1805 6170. Multi-lingual, mainly Bengali, but EC nx/comtry: 0110-0120, 0305-0310, 07-0705, 1255-13, 1530-1540, 1705-1710 (WBI 13/1)

BELIZE Recently visited Belize R One. SW xmtr on 3285 has been off for some time. Engr said waiting for spare parts to arrive from USA, hoped to be back on air by early 1989 (Richard Greenwood, Jamaica, Jan DSWCI SW News)

BHUTAN BBS Thimpu obs 9/1 11-15 on 6035, in various Bhutanese langs, and EG at 1418-1500 (WBI 13/1) WBI, as do many other DX editors, axually says: "from 1418-1500 gmt", not appreciating what a monstrosity such style be: if you use the word "from" you should also use the word "to" between the times, or as I do, make it at 1418-1500 (gh)

BULGARIA Obs on 23/12 show apparent end to jamming of BG svc of RFE. All RFE svcs now seem in clear. But Vatican R, RTI ES in BG still subject to QRM (WBI 6/1) Further obs show jam continuing on BG from R Beijing, Vatican, RTI, Greek R ES, R Tirana. Since fq of Turkey BG svc unk, not possible confirm whether it's still jammed (WBI 13/1)

CANADA/AUSTRIA/CHINA RNMN reported 26/1: As from April, RAI/ORF will bc to NAM 05-06 on 6015 via Sackville; 03-04 11845 will carrying R Beijing to SAM, 04-05 NAM on 5960 (WBI 3/2) Langs?

CHAD RNT Ndjamena reported 12/1: our stn has new pgm sked. FR nx daily at 1900 ex-1945; 1830 nx summary previewing 1900; in full effect from 16/1. Fgm/nx dir (?Nayeremjo Raingar) adds: Still on air 108 hpw, mostly in natl langs. Planned to s/off one hour later in eve, but this'd overload only 100 kW xmtr, the only one available for French and natl chs. Other nx now: 2130 bulletin; 1300 a 2-3 min summary; midday nx at 1330 (WBI 20/1)

CHINA Picking out the relay site fqs in the total R Beijing ES sked: Mali: 00-01 EG Am 11715 9770. 01-02 Cantonese Am 11715 9770. 02-03 Std CH same. 03-04 EG Am same. 04-05 Std CH same. 05-06 EG Am 9770 unconfirmed. 12-13 EG Am 17710/sic/ 15110. 16-17 EG Af 15130 11715. 17-1730 Swahili Af 15130 & 11790. 1730-18 Hausa Af same. 18-1830 Hungarian Eu 11790 9745. 1830-1930 Polish Eu 11790 9745. 19-1930 Czech same. 1930-2030 FR Eu/Af same. 2030-2130 FR Eu/Af same. 2130-2230 FR Eu/Af same. 2230-23 Std CH to As on same! 23-24 SP Am 11790 9665.

see also CANADA above

Guiana: 02-03 SP Am 13685, 03-04 Std CH Am 11695, 04-05 EG Am 11695.
 Spain: 05-06 EG Am 9690=unconfirmed /it's at 0300, isn't it??. /Actually, WBI says "Guyana" which is a different country than Guiana (French)/ Lhasa: /no other 'domestic' sites are specified, perhaps a political statement by WBI in favor of Tibetan independence/ 15-16 Hindi As 9490 5935 4035, 16-17 HD As on 9490 5935; while 4035 is not specified as Lhasa--I seem to recall saying all this before, the last time WBI put out a Beijing sked--don't they read FRENCH? Just as well--we get nothing from BBCM for correcting all their errors, but do so as a responsibility to NASWans -gh/ After 5 SW fqs for the 1630-17 Swahili to Af, the letters "VH" appear--partially deleted "VHF-FM" remark? If so, from where? Surely not Mali/ France: 19-1930 Romanian Eu 9845, 1930-20 Czech 6080, 20-2030 Polish 6080, 2030-21 Bulgarian 9845, 21-2130 Albanian 9845, 2130-22 HG 7120, Switzerland: (maybe 1 hour earlier during DST) 21-2130 GM 3985, Std CH 6165, 2130-22 FR 3985, Serbo-Croat 6165, 22-2230 EG 3985, SP 6165, 2230-23 IT 3985, PT 6165.

Esperanto: (from China sites): 11-1130 As 9480 6955, 13-1330 As 15165 11650 8400 6825, 20-2030 Eu 9965 9365 7470, 2230-23 /S/Am 11515 9860.

Total output: 938 hpw, led by EG 129.30; RS 91, Std CH 70, Cantonese 52.30, JP & SP 45.30 each, Vietnamese 42. Totals by BBC-defined continental target areas; since some bcs beamed to more than one, figures do not add up. Eu 304.30, ME 52.30, Af 94.30, As 413, Au 35, Am 136.30 (WBI 20/1)

Xinhua reported 29/1: Guangzhou stn of "R Beijing" was founded 28/1 for serving overseas Chinese audience. Stn xmits China News to 9 Chinese-lang radio stns in US & Canada. Also will send pgms on spl topix, lit, arts, to 20+ Chinese /Cantonese only?/ lang radio stns across world. "R Beijing" now bcs 26x a day to overseas Chinese in As, SPac, NAF, Eu, Am, in Std CH pronunciation as well as local dialex, plus oversea svcs in 38 fornlngs. Recently launched forn-lang pgms for domestic audience, increasing daily svc to 140 hours, next on ly to SU, US. Guangzhou is home for many overseas Chinese; founding of stn here will facilitate making pgms concerning their native land (WBI 3/2) So why do they still call pgms produced here "R Beijing"?! (gh)

CPBS First pgm, all pgms one hour earlier during summer, fq ch times apx:
 *1958 on 12120 9080 9064 7935 7516 7504 6840 6750 6125 5915 5880 5860 5320 4905 4460 3220, 22 on 12120 10345 9800 9080 9064 7935 7516 7504 6840 6750 6125 5880 5320 4905 4460, 23 on 12120 11330 10245 9800 9080 9064 7935 7504 6840 6750 6125 5880 5320 4460, 00 on 17605 15590 15550 12120 11330 10245 9800 9064 7935 7504 6840 6750 6125 5880, 0200 on 17605 15580 15550 12120 11610 11330 9064 7504 6840, The 06-08 period is daily exc Tue: 17605 15590 15550 12120 11610 11330 9064 7504 6840, 08 on same daily, 11 on 17605 15590 15550 12120 11610 11330 10245 9065 7516 7504 7440 6840 6750 6125 5880, 1145 same except replace 15550 with 5320, 1330 on 12120 11610 10245 9080 9064 7516 7504 7440 6840 6750 6125 5915 5880 5320 4460 3220, 16-1735 on 12120 10245 9080 9064 7935 7516 7504 7440 6840 6750 6125 5915 5880 5320 4460 3220.

CPBS Second pgm: *2058 on 11740 9400 9390 8007 7770 6920 6890 5163 5075 4250 3290, 2230 on same plus 5030 4800, 2330 on 12200 11740 11505 11040 9775 9400 9390 8007 7770 5074 5030 4800, 0000 on 15500 12200 11740 11505 11040 9775 9755 9400 9390 7770 4800, 01 on 15500 15030 12200 11740 11505 11040 9775 9755 9300 7770 4800, 02-06 on 17700 15500 15030 12200 11505 11040 9400 7770, 06-0955 segment is daily exc Wed/Fri: 17700 15500 15030 12200 11505 11040 9400 7770, 0955 17700 15030 12200 11505 11040 9400 7770 5163 5075 4800, 1030 on 17700 15030 12200 11740 11505 11040 9774 9400 7770 5163 5075 4800, 1130 on 15030 12200 11740 11630 9400 7770 6890 5163 5075 4250, 12 on 15030 11740 10260 9400 7770 6890 5163 5075 4250 3290, 13 on 11740 9400 9390 7770 6890 5163 5075 5030 4800 4250 3290, 14-16* on 11740 9400 9390 7770 6920 6890 5163 5075 5030 4800 4250 3290.

BCs for National Minorities: (all bcs are 26 min long) 2130 Korean 5420 5030 4190, 22 Mongolian 5420 5030 4800 4750=Hailar 4190, 00 Tibetan 15670 11375 7110=Lhasa 6920 5995=Lhasa 4035=Lhasa, 0030 Uighur 15670 11375 10260 5800 =Urumqi 4735=Urumqi 3990=Urumqi, 01 Kazakh 15670 11375 10260 and Urumqi on 5440 4970 4330, 0430 Korean 9920 9775 8566, 05 MG 9920 9775 8566 and Hohhot on 6974 4525; 4800, 0530 TB 17635 15670 11630, 06 Uighur 17635 15670 10260, 0630 KZ same, 10 KR 9920 9775 8566, 1030 TB 15670 11630 11375, 11 UG 15670 11375 10260 and Urumqi 5800 4735 3990, 1130 KZ 15670 11375 8566, Urumqi 5440 4970 4330, 12 KR 9775 5030 4190, 1230 MG 9775 5420 5030 4800 4190, Hohhot 6974 4525, 13 TB 11630 8566 6920, Lhasa 7110 5995 4035, 1330 UG 11375 8566, Urumqi 5800 4735 3990, 14 KZ 11375 8566, Urumqi 5440 4970 4330, (WBI 3/2)

EAST ASIAN DX NEWS

ASIAN BROADCASTING INSTITUTE

Feb. 13, 1989

compiled and translated by Tetsuya Kondo, Japan

C H I N A (PEOPLE'S REPUBLIC)

Recent schedule of the Eg service of Radio Beijing is as follows:
0000-0057 to N.A. eastern part on 11715(M) 9770(M) 9665, 0300-0357 to N.A. western part on 15455 11715(M) 9770(M) 9690(S) 9675 8425 1251, 0400-0457 to N.A. western part on 11980 11695(F) 9675 8425, 0500-0557 to America on 9770(M) 9690(S), 0830-0927 to S.Pacific on 15440 11755 9700 8260 5220, 0930-1027 to S.Pacific on 15440 11755 9700 8260 5220, 1100-1157 to N.A. eastern part on 9665, 1200-1257 to N.A. eastern part on 17715(M) 15110(M) 9665, 1200-1257 to S.E. Asia and S.Pacific on 11660 11600 11290 9530 7820 1341 1251, 1300-1357 to S.E. Asia and S.Pacific on 11660 11600 9530 1341 1251, 1400-1457 to S.Asia on 15165 11600 7405 4200, 1500-1557 to S.Asia on 15165 11600 7405 4200, 1600-1657 to Africa on 15130(M) 11715(M) 9570 7295 4130, 1700-1757 to Africa on 9570 9500 7295 4130, 1900-1957 to Africa on 9440 6955, 2000-2057 to Africa on 11715(M) 9745(M) 9785 9440 6955, 2000-2057 to Europe on 9710 6860 4130, 2100-2157 to Europe on 9710 6860 4130, 2200-2230 to Europe on 3985(SS), 2200-2255 [capital svc] on 1251.

Via (F): French Guiana, (M): Mali, (S): Spain, (SS): Swiss.
(Shigenori Aoki)

Radio France Internationale via Radio Beijing facility is heard at 1400-1455 on 7125kHz in place of 7130kHz. First noted on Jan. 21st. A frq of 7130kHz is in confusion with V of Free China (Taiwan), V of the Mujahedin Khalq (clandestine with Iran) and bubble jamming (Iran) on same frq. A new frq 7125kHz is clear channel in East Asia.

RFI via RB is monitored as: 0100-0155 15275, 1030-1125 15285, 1100-1155 11895, 1400-1455 7125, 1500-1655 6550(feeder) 1296. All pgms are in French.
(Tetsuya Kondo)

CPBS has changed its shortwave transmission schedule partially. Noted on Jan. 8.

4 frqs for 1st Program are changed xmsn time as: 15590kHz at 0021-1025, 11610kHz at 0101-1140, 9080kHz at 2000-0020 & 1026-1733, 7935kHz at 2000-0100 & 1141-1733.

Night xmsn (local time) frqs of Bc for Minority Nationalities are changed as: 1300-1326 Tibetan 8566 7660 5920, 1330-1356 Uighur 8566 8007 7660, 1400-1426 Kazakh 8566 8007 7660, 1430-1456 Mongolian 8566 8007 7660. cf. last LN Page 19.
(Satoru Suga)

V o the Strait B.S. has changed its SW xmsn schedule. First noted on Dec. 7 last year.

1st Program: 2055-0031 & 0955-1751 overall;

6765 2321-0031 0955-1240, 6400 0955-1240, 5240 2230-0031 0955-1340, 4840 2230-0031 0955-1500, 3535 1341-1751, 3300 2055-(unknown) 1241-1751, 2490 2055-2320 1241-1751. 1377 and 1269kHz are also operated.

2nd Program: 0355-1626 overall;

6000 0355-1400, 4330 0355-1626, 3200 1401-1626. 846 and 666kHz are also operated.
(Satoru Suga)

Monitoring observations for Nei Menggu PBS reveals that it currently operates the following frqs:

Chinese service: 11705, 9520, 6045, 3970kHz

Mongolian service: 11865, 9750, 6974, 3930kHz

Nei Menggu PBS has irregularly tested txs using 9520, 6974, 6045, 4525 4000, 3970kHz since last October. 3930kHz is a new frq noted on Jan. 4th. 4525 and 4000kHz are inactive.
(Satoru Suga)

Sichuan PBS bc schedule effective from Jan. 1 is as follows: 1st Program: 2155-0135(to 0345 on Su), 0345-1515(except 0550-0945 on Tu). The SW frq is 6060kHz. 2nd Program: 2155-0530, 1025-1350. The SW frq is 5900kHz, which has been aired again since last October.

(Isami Hyuga, Satoru Suga)

V of the Strait, which until 3/84 called itself People's Liberation Army Fujian Front stn, bcs from Fuzhou to Offshore Islands & Taiwan. First pgm: *0953 on 6765 6400 5240 4840 4130 2755. 1130 fq change to the same fqs /yes, as listed by BBCM/. 14 on 5240 4840 3300 /sic--out of order, guess not typo since same fqs are in other blos/ 4130 2755 2490. Until 1753*. *2053 on 3535 3300 2490. 22 on 5240 4840 3535 3300 2490. 2320-0030* on 6765 6400 5240 4840.

V of the Strait 2nd pgm: *0353 on 6000 4330, 10-1630* on 4330 3200. Both pgms are in Std Chinese w/some pgms in Amoy. The total output for both pgms, strangely enough, adds up to exactly 168.00 hpw, as if a single pgm were 24h continuous. Can this be a coincidence? (WBI 10/2, gh's comments) Compare to ABI version.

CPBS Taiwan Svc; only apx fq usage here--fqs change progressively over the hour prior to that shown. Pgm First: in Std CH, with some Hakka, Amoy: *0053 on 15710 11925 11100 9455. to 0608*. *0953 on 11925 11100 9455 9380. 12 on 9455 9380 7620 6015. 14 on 7620 6015 5125 3815. 2220-0004* on 7620 5125 3815.

2nd Pgm: *2053 on 6790 5090 4850. 2230 on 11000 9170 6095. 0000-0104* on same /fq change to the same fqs.../. *0353 on 15880 11000 6095 to 0605. The 0605-0955 segment is daily exc Wed on 15880 11000 6095 until 0900, then 11000 9170 6095. 0955 daily on same. 1130 on 9170 6790 6095. 1315-1804* on 9170 6790 4850. (WBI 10/2)

COLOMBIA El Tiempo reported 28/12: Police have confiscated eqp belonging to a clandestine radio stn that operated in Viracacha, Boyaca Dept, and regularly bc guerrilla msgs. Stn was installed in village of Icarina. Councillor Jairo Baron Lopez, member of social conservative party, owns the eqp. He was arrested and 'll appear before authorities this week. Stn bc pgms related to guerrilla actions at set times. Xmtrs, amps, aerials, mikes, capacitors confiscated. Per councillor's preliminary testimony, unID persons would regularly go to his stn and force him to xmit prerecorded cassettes. Police say there are another 20 clandestine radio stns in Boyaca Dept (WBI 13/1) Was this about the time R Patria Libre vanished? Maddeningly incomplete reports should have given stn name, fqs (gh)

COSTA RICA REE Madrid reported 23/12: SW xmsn stn donated by Spain to CR, whose costs amts to \$4 million, will begin bcs w/in a year and 'll relay REE and pgms made by the future R CR Intl (WBI 6/1)

R for Peace Intl developments: first hrd w/2 xmtrs at once on 8/2, UTC Wed at 0305 w/WORLD OF RADIO on loud & clear 21560, weak 13663. 24h later they were on strong 7375 and weak 13663. Nominal weekend repeat times for W.O.R. are Sat & Sun 1800 & 2100, but apx as often runs late. Once also hrd UTC Sun 0000. On 21/2 first hrd on new 11 mb fq 25944v at 2138 t/in //21560v. Roughly equal reception on the two, but fades at different times, so switch back & forth. Better mod on both than usual, this occasion. Included W.O.R. Tue 2300 (gh, TX) No QRM on 25945, but at 1430 check 22/2, some two-way there which could be a problem at other times (gh) W.O.R. also Tue/Thu 1700, hrd 23/2 on 25944

CZECHOSLOVAKIA R Prague in EG: 01-02 Am 11990 9625 9540 7345 6055 5930. 03-04 same. 0730-08 As/Au 21705 17840 11685. 0830-09(Sat/Sun 0930) As/Au 21705 17840 11685. 1430-15 Af/As 21505 17705 15155 15110 13715 11685 9605. 1530-1625 Eu/Af/As 21505 17705 15155 15110 13715 11990 11685 9605 7345 6055. 1730-1825 Af/As 21505 15110 13715 11990 11685 9605. 18-1830 Eu 7345 5930. 19-20 Eu 7345 5930 including on Sat 'Christian comment from CS'. 22-2230 Eu 6055 1287.

Multilingual Interprogramme includes EG; nx at 0030 on 9625 6055 1287. Other segments shift one hour earlier in summer: 0630-07 9505 7345 6055, EG the last of 5 langs, so maybe around 0654. 07-09 on 9505 7345 6055 etc includes EG nx at 0745-0748, 0845-0850. 09-12 Sunday is mx, maybe w/some EG anmts; EG nx segments other days on 9505 7345 6055: 0945-0948, 1045-1049, 1145-1152. Total output is 258.45 hpw, led by EG 52.20, multilingual 48.55, SP 30.55, FR 27.25, C/S 19.35 (WBI 3/2)

DENMARK RN Media Network reported 12/1: R Denmark ultimatum has led to positive results, per Jorgen T Madsen, head of SW svc: DR decided to discontinue SW svc, but govt said we could not. So continues but this year govt will take over funding xmtr costs. Plan is to hire xmtr time in Norway. Next year, govt will take over funding of pgms too. Will stay in DR bldg. Norway time available from May this year, but negotiations may not be finished in time, DR waiting on govt, vice versa. Hope new situation will allow for lang pgms too. Coop w/Sweden possible too (WBI 20/1)

There is still no decision on which date R Norway will start carrying R Denmark's forn svc, and the Herstedvester SW stn will cease opn, leaving Denmark w/out any SW svc from its own territory, but the date of 8 May 1989 is still a possible one. R Denmark does not carry "World News" in forn svc, but nx on Danish affairs only, cf Feb FRENEX p 45. Sked for 5/3 to 24/3/89, all in DN, 52 min bcs uos: 10 25850 Japan. 11 15165 Greenland HS relay. for 30 mins. 12 25850 India/EAs. 13 25850 Eu/Af. 14 25850 Au. 15 25850 ME. 16 15165 ME/EAF. 1730-1830 15165 Grnld, HS relay. 19 15165 SEu. 20 17790 SAM/WAF. 21-2115 15165 M-F HS relay to Grnld; 21-2152 15165 Grnld Sat/Sun. 2130-2145 15165 SEu M-F repeat HS pgm of 21-2115. 22 11845 SAM. 23 11845 ENAm. 00 9595 Carib. 01 9595 WNA. Some of these fqs will continue until 7/5 (Stig Hartvig Nielsen, Viborg) Note all the additional use of 25850, but less to NAM (gh)

DOMINICAN REPUBLIC Tele-Radio Noticias reported 23/1: Pres Joaquin Balaguer sez when he receives audit done on RTV Dominicana, he'll study it in detail. Said will take appropriate measures if director of this org, Adriano Rodriguez, or anyone else, has committed an act of corruption. Said comptroller-general of the republic has informed him of some irregularities in Dom radio/TV firm (WBI 27/1)

GABON RFI reported 27/12: Good nx for RFI listeners in Africa! Our being power is going to increase further tnx to renewal and strengthening of our link w/Africa No 1. Up to now 21 hpd. But increase to 29 or 30h tnx to agmt signed today by ANO & RFI ofcls. Chmn/DirGen of RFI Tazenas du Montcel: Africa is a priority w/our stn more than ever. RFI and ANO not in competition w/ea other. RFI's mission in Af is broader since cover whole continent, bc in forn langs. Bc hours increase by just one in Jan, 6 or 7 in Aug when fifth new xmtr opl in Moyabi. Main targets are ME, Maghreb, SAF, Moz, Mad, WAF (WBI 6/1)
ANO obs since 1/2 on 17630 at 08-16, seems ex-15200 which was used 08-17 (WBI 10/2)

GERMANY WEST Report from Cologne: DLF will get new LW xmtr in March, costing 26 mega DM, in Lower Bavarian Aholming near Deggendorf, 207 kHz. Will beam beyond FRG as far as Krakow, Budapest, Zagreb, Venice, Bern, Nancy, and over almost all of GDR. Motorists will receive DLF from N to S w/out having to change stns (WBI 3/2)

GHANA CBC reported 1/2: Modern radio and TV stns to be built in Northern and Upper West regions. (WBI 10/2) We can always hope SW will be involved

GREECE Athens nxpaper Rizospastis, 4/1 published report on new radio stn "90.2 The Left on FM" to begin 8/1. Launch pad for leftwing ideas on airwaves, daily 03-02 UTC; nx on the hour from 05 (WBI 13/1)

Greek R reported 22/1: Zakynthos radio stn /927 kHz/ will start independent pgming 23/1; initially 09-12, 17-21 w/live bcs by own journalists, also political, cultural, entertainment pgms from Ionian islands area. Main role of 50 kW stn has been to relay pgms of Patrai R on 1485 (WBI 27/1)

Greek R reported 22/1: American CNN TV net will relay nx from Greece; agmt signed w/ERT, nx in EG part of a CNN pgm of nx from all over the world, to begin in next few days. (WBI 27/1) Presumably World Report, Sundays 20-22, UTC Mondays 05-07, allowing many forn TV nets to provide reports, some propagandistic, some not, some almost always extremely 'soft', like Mike McMahon's from SRI/Swiss TV. Certainly a useful pgm, but I am bothered by the fact that all the items are packaged for CNN, rather than reflecting what's on domestic TV in different countries. Each segment is on one story, not newscasts (gh)

Anatolia nx agcy reported 7/2 from Komotini, or in Turkish, Gumulcine: Turkish minolity in W Thrace started to work on establishing a spl radio stn. The daily "Akin" gained right to set up stn. Director Hasan Hatipoglu says V of the West Thracian Muslim Turkish People will bc in TK, GK, EG (WBI 10/2)

GUATEMALA Prensa Libre reported 14/1: Col Luis Arturo Isaacs Rodriguez, head of army public rels, 13/1 reported that there are 5 mobile radio stns being operated by rebel groups in Guat. Says Guat armed forces have perfect control over these stns. Says rebels transport these small stns from place to place. Armv's electronic systems immediately pick up the stns' sig and interfere w/ bcs. Isaacs alleged that no one listens to these stns because their range

is so limited. Furthermore, he said honest Guats would never intentionally listen to false info intended for destroying the nation's customs and tranquillity (WBI 27/1)

GUINEA AFP reported 26/1: Switzerland has granted Guinea a sesquigigafranc Swiss for equipping 4 rural radio stns to be set up in capitals of geographic regions. Amnt came after conf in Conakry by Switz w/participation of SRI, FAO, UNESCO. Installation of eap for this net of rural radios will begin during 2nd quarter of 1989 (WBI 3/2)

GUINEA BISSAU R Moscow Af svc reported 11/1: GB plans to build a radio stn for the needs of the Health Ministry, to bc educ pgms on med. sanitation. WHO will help build (WBI 20/1)

ICELAND Rikisutvarpid obs on new 11625, seems ex-13770at 1215-1245 Eu, 13-1330 apx NAM; formerly used 15659 not // and replacement unk (Roger Tidy & Noel Green, England. Jan DSWCI SWN)

INDIA AIR ancd 30/12: Extl svc will start from New Year a one-hour svc in Hindi for Indian settlers in UK/WEu, 1945-2045 incl 10-min bulletin, 5-min contry. This was confirmed on 7412, replacing GOS in EG on this fq; tho HD also ancd on 11620, this kept EG on 1/1, both in HD 2/1 (WBI 6/1)

PTI reported 16/1: Fedl Minister of Parliamentary Affairs & Info & Bcing, H K L Bhagat says super-power SW xmtrs are being installed to strengthen AIR ES to keep world informed about India (WBI 27/1)

RNMN reported 2/2 on a listener's visit to AIR HQ in Delhi: New 10 kW HF xmtr at Port Blair, ANDAMAN & NICOBAR ISLANDS, finally began testing 22/12/88. Currently testing local days on 7180; 4760 early morn, eve; initially will carry HS of AIR. At Khampur, xmtr complex just outside Delhi, two 250 kW SW xmtrs are going on air shortly. Installation work complete and new ant arrays being assembled at Kingsway Camp in Delhi. Four 50 kW SW xmtrs have gone into full opn and over last twelvemonth the ancient 20 kW xmtrs relegated to standbys. One of six 100 kW SW xmtrs at same Delhi site withdrawn from svc due oldage. Two 250 kW SW xmtrs at Aligarh presently running at 150 kW due to energy supply problems at U.P. State Electricity Board; temporary situation expected to improve soon. New ES xmtr site at (?Dodballapur) 60 km from Bangalore is nearing completion too. First of its 500 kW SW Marconi xmtrs expected to start testing shortly. In Gorakhpur, UP, the 50 kW SW xmtr designed to serve Nepal has also been installed and on-air testing expected again shortly. Another ES site, of two 100 kW MW xmtrs is being constructed to serve Sri Lanka, at Tuticorin, in Tamil Nadu. Work at ES site at Panaji /ex-GOA/ to serve Gulf countries, is due to start next year tho may well be delayed (WBI 10/2)

IRAN IRNA, Tehran, reported 31/12: from Yazd: IRIB will continue to air music w/ voice of women signing in chorus but not from women soloists, Managing-Director Mohammad Hashemi said. Despite rumours that songs w/women singing alone would be aired soon, such songs would not conform w/IRIB's Islamic code (WBI 13/1)

Resalat, Tehran reported 26/12: a powerful 2000 kW SW xmtr complex is under construxion in the Qasemabad area of Mashhad, 4 SW xmtrs of 500 kW ea. Two other xmtrs to be installed there will be beamed at 270 and 209 degrees for extl bcs to boost VIRI pgms to ME, Saudi, Yemen, N USSR, UAE, Turkey, Iraq; construxion cost apx 313 megarials. Would become fully opl by middle of next /Iranian/ year and eap purchased from Sweden due to arrive soon (WBI 20/1) Tnx a lot, Sweden

INA nx agcy, Baghdad, reported 1/2 from UN: Iraqi letter distributed to members of Security Council today describing 85 violations by Iranian forces of the ceasefire from 1 to 24/1, including opening an AR-lang field bcing stn which attacked the political leadership (WBI 10/2)

V of the Islamic Republic of Iran, DS in Persian, SW fqs: 0100 on 9720 9610 9022. 03 on 15084 9022 until 0430. 05 on 15084 9022 to 0530. 0730 on 15084, 1030 on 15084 11790. 1130 on 15084. 1430 on 3778, 1630 on 15084 9685 9022 3778. 17 on 15084 3778. 1830 on 3778. 2030 on 9610 3778. 21-2130 on 3778. (WBI 10/2) This sked is artificially fragmented by BBCM in splitting ES pgms from DS pgms; in reality, 15084, 9022, 3778 are probably on the air during the breaks w/ES pgms. BBCM also gives a rather detailed 5-page survey of MW/regional svcs in Iran, of no interest to us.... (gh)

IRAQ R Baghdad Genl Pgm, DS in AR, fq usage subject to considerable variation; during DST, 1/4 to 30/10, all pgms one hour earlier /but are fq changes one hour earlier?/. /MW fqs omitted here/ (In addition to below fqs, 15400 is irregular 04-2320.) *0225 on 9515. 04 on 11860 9705 9605 9515. 05 on 15315 11860 9705 9605 9515. 06 on 15310 11860 9705 9605. 07 on 17830 15415 15310 15150 15110 11860 9705 9605. 08 on 17830 15415 15150 15110 11925 11860 9706 9605. 09 on 17830 17730 15220 15200 15150 15110 13680 11925. 10 on 17830 17730 15200 15150 15110 13680. 11 on 17830 17730 15200 15150 13680. 12 on 17830 17730 15200 13680. 13 on irreg-15400 only. 15 on 7250 7235 6005. 16 on 11760 11825 9660 7250 7235 6005. 18 on 11760 11825 9660 7250 7245 6005. 21 on 9730 7280 7225 6005 to 2320*, all to Eu/ME. V of Masses pgm now show on MW only. (WBI 10/2)

IRELAND RNMN reported 5/1: Change in radio scene here. Last weekend, most pirate stns closed down as govt legislation imposed vy hvy fines for unauth bcng as from start of 1989. One of most regular voices on SW, Boyneside R, said goodbye just before 1500 31/12. But on 6910v R Dublin so far remains on defying Irish govt and even taking out a court injunction 30/12 to try and prevent legislation taking effect. But Eamon Cooke, owner of R Dublin, failed in that first attempt. Ed note: as of 11/1, R Dublin still bcng on 6910 (WBI 13/1)

ISRAEL VOI reported 31/1: Investment in xmsn of public bcs will be doubled this year, totalling about 10 megashekels. Comms Minister Gad Yaacobi says this will improve reception of radio & TV bcs in development areas, the Galilee and Golan Heights as well as Kol Yisrael's SW bcs (WBI 3/2) Specifically, how?

ITALY RTI in EG; fqs in () temporarily suspended per engineering sked. 01-0120 Am 11800 9575. 0350-0410 As 15330 11905 9710. 0425-0440 Eu/ME 7275 6165. 1935-1955 Eu 9575 7290 7275. 2025-2045 ME (9710) 9575 7235. 22-2225 As (11800) 9710 5990 /occhio! more EG to Japan than to NAm!!/ Total output is 172.50 hpw, led by IT at 69.15, 2nd place, believe it or not, EG at only 14 hpw, since RTI bcs short xmsns in many langs, 26 of them anyway. 3rd place is AR at 10.50. Last place is Esperanto, Sat 20-2020 Eu on 9575 7290 7275 (WBI 20/1)

Tanjung reported 19/1: Since last Decbegin, every morn at 7 RTI TV bcs a selection of nx from all worldparts, incl Telediario, Spain; Antenne 2, France; Heute, W Germany. Plans expand. Started w/Soviet Vremya cov of Armenian eq. Also selected nx from US TV net NBC (WBI 27/1)

Italian Radio Relay Svc, Milan, ancd 4/2: This weekend we end our 8-week series of test xmsns which began 3/12. From next wknd, regular commercial opn. From 12/2, IRRS on air Sundays only, dropping 7160 for 9860 exclusively, *0800 (WBI 10/2)

JAMAICA Cana nx agcy reported 19/1 from Montego Bay: Opposition leader Michael Manley warned govt against any pre-election divestment of state-owned radio svc. JBC, saying agmt'd be revoked if he won the 9/2 general election. He'd immediately re-nationalize it (WBI 27/1)

JORDAN Monitoring 6-16 Jan: On 16/6, R Jordan's DS in AR ancd at 1330 that MW 1494 was starting xmsn, // other fqs until 2200* Seems from new high-power site, initially on 1449. AR svc also hrd on SW 11820 11810 9835 // 207 801 612. No longer obs on 11940, 11920, 9540, 9530. EG svc now hrd 05-1415 on 11955, 1420-22 on 9560, both //855 (WBI 20/1)

KAMPUCHEA V of the People of Kampuchea, DS on 6090 4907: 2230-0030, Sun 0030-0215, daily 0430-0630 (Sun 0645), 11-1430 (Sun 1445). Other fqs used incl 9695 6143 5035. (WBI 6/1) New 4910.2v, 1400-1455* (Poul Erik Sørensen, Denmark and Hans van den Boogert, Netherlands, Jan DSWCI SWN)

KENYA Kenya Times reported 13/1: Pres Moi yesterday apptd Mr Philip Okundi chmn of newly formed Kenya BCing Corp; he also remains head of Kenya Ports Authority. New KBC'll be run thru BOD of no more than 7 members apptd by Min for INfo/BC. This follows govt decision to make VOK profit-making (WBI 20/1) RNA nx agcy reported 19/1 from Kakamega: Western Provincial Commissioner Julius Kobia has lauded formation of KBC, hopes will generate enough income to boost radio, TV reception in area where now easier tune in Uganda, Burundia, Tanzania, Somalia, BBC and other world stns (WBI 27/1)

V of Kenya reported 2/2: VOK is now a state corp. KBC Act became operational 1/2, per Kenya Gazette Legal Notice No 23 (WBI 10/2)

KOREA NORTH KCNA reported 1/1: Pyongyang Radio FM began bcing in the capital 1/1. Aircs KR mx, world's famous classical mx, under such titles as Famous Korean Songs, Korean Folk Songs, Unforgettable Songs, Film Music Appreciation, The Light Music Stage, Opera Music Appreciation, Among Foreign Music Pieces. Also bcs literary & art work such as novels, radio dramas, short plays. PRFM uses 92.5 & 105.2 MHz, 12-20, and all day long on holidays (WBI 6/1) Korea Times, Seoul reported 17/1: NK has been airing FM mx bcs aimed at SK youths since 1/1. Contents incl anti-Seoul propaganda and satires on irregularities in SK society. 92.5 is in Pyongyang, 105.2 in Kaesong. About 90% of pgms are dramas and commentaries satiring /sic/ "evils" of SK society. Pgms gaining popularity among teenagers in SK curious about NK. Initially, govt planned to jam the bcs. But later shelved jamplan in consideration of recent govt "Nordpolitik". Per offls of comms min, NK has not registered the FM bcs w/the intl bcing org. (WBI 20/1) Korea Times reported 19/1: govt decided to jam NK's slanderous FM bcs. Agency for natl security planning will work out measures to block anti-Seoul prop bcs, in collaboration w/Mins of Comms and Culture-Info and KBS. (WBI 27/1) But see item under KOREA SOUTH!

R Pyongyang, KCBS ES, in EG, 50-min bcs: 00 Am 15160 15115. 04 As 17765 15180 15160. 06 As 15180 15160 15115 13650. 07 ME/Af 17795 15340. 08 As on 15180 15160 15115 11830. 11 Am 11735 9977 9600. 13 Eu/As/Am 11735 11335 9600 9345 9325. 15 Eu/ME/Af 11740 9977 9640 9325. 17 Eu/ME/Af 11740 9977 9640 9325. 20 Eu/ME/Af 9977 9640 9345 6576. 23 Am 13650 11735. Not including Korean to the South, and Japan, subject of a separate sked, total output is: 355.50 hpw, led by KR 70, then JP & EG at 64.10 each, SP & FR 35 ea (WBI 6/1)

KOREA SOUTH Yonhap nx agcy, Seoul reported 16/1: Govt and ruling party of SK seriously considering allowing direct xmsn of NK TV & radio pgms to S Koreans, a highly-placed ruling camp source said 16/1. It has been against the law for people to watch or listen to the TV and radio bcs of the other side in both SK and NK. Source said ruling party will soon propose to NK to exchange each other's regular TV and radio pgms. May xmit NK bcs direct w/out editing even if the N rejects the proposal. In 1982, SK proposed both sides remove each other's /sic/ jamming facilities, rejected, so present proposal not expected to be accepted (WBI 20/1)

KUWAIT Al-Siyasah reported 28/12: R Kuwait will expand xmsns to around the clock from beginning of 1989, including on SW. Nx at 00, 01, 02; Kuwaiti press pgm daily at 0205, plus normal press pgm at 0415. Also will air dawn call for prayers and other relig pgms (WBI 6/1) Kuna nx agcy reported 31/1: Voice of the Gulf Cooperation Council from R Kuwait coincides with the 28th National Day and the month of Ramadan, from 1/2 to end of May. (WBI 10/2)

LAOS Lao Natl R, via USSR relay, *1100-1130* on 11870 26/12 in FR to Eu, nx, Lao instl mx, ID //15190, SINPO 55555 (Anker Petersen, Denmark, DSWCI SWN)

LEBANON V of Israel reported 16/1: South Leb V of the South radio stn will install new xmtr and antenna costing a sesquimegadollar, allowing stn to bc developments in security zone to entire Beirut area; also ant to be erected in village of Shubah to enable reception of South Leb bcs in Damascus, N Leb. The stn will be moved closer to border fence w/Israel. S Leb Army has set up info apparatus to coordinate betw V of the South and V of Hope radio stns and Middle East TV (WBI 20/1)

LIBERIA LBS Radio reported 27/1: Engineers at LBS 26/1 completed renovation work on LBS SW xmtr. This'll enable listeners in rural Lib to listen clearly to LBS R during day and nite. Daytime fq for SW was reactivated after nearly a sesquieyear of breakdown. Daytime fq is 6090, at 08-18; nitetime 3255 18-24 (WBI 3/2)

LIBYA Libyan TV 16/1 bc a speech by Mu'ammarr al-Qadhafi: nx agcy of the Jama-hiriyah houses a huge octopus w/hundreds of officials andit still is useless. JANA is one of those institutions which is tiring me. The nx never arrives - hot & urgent nx never arrives. I am going to abolish JANA; only 10 of the 400 employes are needed to send out telexes to the world (WBI 20/1)

MALAYSIA R Malaysia, Kuala Lumpur reported 17/1: Info Minister Datuk Mohamed Rahmat says RTM will resked Tamil & Chinese pgms in accordance w/wishes of the communities concerned (WBI 27/1) Not clear whether refers to TV only

MEXICO XERMX Radio Mexico ancs itself as the intl stn of the Mexican Radio Institute; ES in SP to Am: 13-17 on 17765 11770 5985; 20-05 on 15430 9705. Nx at 14-1430 exc Sun, 02-03 exc Mon (WBI 3/2)

MONGOLIA RUB appears to be promoting a more native spelling of the city when rendered in English (gh) R Ulaanbaatar, winter sked effective 19/11/88: EG daily 0910-0940 Oceania 12015 21770. 12-1230 FE 12015 9615. 1445-1515 SAs on 15305 9575. 1940-2010 Eu 11870 9645. FR Mon/Tue/Thu/Fri 1720-1910 Eu 11870 9985, 2015-2045 Eu/Af 11870 9645. Chinese daily 21-2130 12015 9615, 1055-1125 & 1125-1155 same, 1330-14 12015 9615 990, all to As. Mongolian daily also to Asia in ES: 0950-1020, 1020-1050, 1255-1325, 14-1430 all on 12015 9615 990.

Domestic svc timetable: Mongolian daily 22-16 on fqs in mbs /sic/ 1826, 1435, 1321, 350, 75, 73.5, 60, 61.2, 61.6, 61.8, 62, 62.2, 63, 41, 25.4, 15. Russian Tue & Fri 1130-12 on all the same (via Bob Brown, PA)

WBI issued a RUB sked 13/1, which differs considerably from the above one direct from the stn. Still says EG is Mon-Sat only, 0910 on 12015 11990 9615; 12 on 12015 11990 9615, 1445 on 15305 9575, 1940 on 11870 9645. As usual, the FR bcs are unconfirmed: M/W/F 1640-1715 Af 11870 9645 9570; 1840-1915 same; and 2015-2045 same. Says Mongolian ES is on 12015 11990 9615 990 at 0950-1050, discontinued? at 1055-1130; 1255-1325, 14-1430, 2025-21. Fqs for RS at 1130-12 in ES are 7262 4995 4895 4865 4850 4830 4750 4080 but the same plus two more SW fqs are given for same xmsn in DS sked below--another result of BBCM insisting on categorizing everything into either/or external or domestic (gh)

R Ulan Bator /sic/ reported 14/1: From 20/1/89, RUB will open a Japanese lang bc, twice weekly Tue & Fri at 1230 on 12015 9615, repeated at 2210 (WBI 20/1) New ES in JP hrd Tue & Fri 12-1230, not 1230-13 as originally ancd, on 12065, 12040, 12015, 9615; 2210-2240 traced on 12015 only (WBI 3/2) That means it Knox out some EG bcs; what else can you expect? (gh)

Ulan Bator /sic/ Radio, DS in Mongolian 22-16 on 11857 7262 4995 4895 4865 4850 4830 4750 4080 3960 225 207 162 kHz. Includes relay of R Moscow ES in MG at 06-0650, 0930-10, 12-1245; Ulan Bator Calling in Russian for Russians in Mongolia, Tue/Fri 1130-12. At 1330-15 4750 only splits off to carry Kazakh. Sites & powers: 11855 UB, 7260 UB, 4995 Choybalsan 12 kW, 4895 Moron /sic/ 12, 4868 Ulaangom 5, 4865 Saynshand 12, 4850 UB, 4830 Altay 12, 4750 Olgiy 12, 4080 UB, 3960 Dalandzadag 12, /no fq, means 3960 too?/ Uliastay 5 (WBI 6/1)

A previous report in SWN of 4895.1 said Murun had QRM from Ashkhabad, but that site no longer listed, only Tyumen (Bernhard Grundl, GFR, DSWCI SWN Jan)

MOROCCO QSL rcvd from RTM after six months says nothing about sked for SW svc. My tentative sked is : 14-17 on 17595, 17-20 on 17815, 20-24 on 11920; reception possible on the latter after 2230 Madrid off (Salvatore Placanica, Italy, Jan DSWCI SWN)

NETHERLANDS ANTILLES After a WBI report in Nov 1988 LN, gh asked, "Did TWR do anything useful, like emergency communications?" Quite possibly you did not monitor TWR, so I will answer your question: We have had a long record of trying to provide the most up-to-date info of severe weather condx in the Caribbean. General Carib wx is fairly static, exc during hurricane season. Bonaire is considered to be out of the 'hurricane belt'. We did have Tropical Storm Joan actually pass south of Bonaire, placing our xmtr site in the Northern Quadrant - the part with highest wind. Speeds got up to 45-50 mph and we had some damage to antennas and our standby generator. Even tho we are out of the belt, we are concerned about our listeners in the region threatened by these powerful storms! (Our antenna damage was repaired the next and following day.)

In 1979 after hurricanes David and Fredrick we rcvd many letters of appreciation of the warnings provided by TWR Bonaire. We have also been providing free to any listener who asks, a hurricane tracking chart. We have invited wx experts to speak to our news and pgming dept staff so that they might have a better understanding of the mechanix of hurricanes. I've personally visited the Natl Hurricane Center in Coral Gables FL, to better understand their opns and how hurricanes are monitored and predicted. (If you ever get to Miami, it's a great place to visit - they give a great tour!)

When a wx system reaches storm category and is given a name, we track it and make the same info available to our listeners. Any warnings issued by the NHC or govt authorities are also made part of our bcs. Our nx is rcvd by wire service (satellite). We also monitor CNN via satellite fed cable TV (Flamingo TV, Bonaire).

I am personally involved in the radio amateur Hurricane Watch Net, that activates on 20m, 14325 USB as a relay stn. From this southern vantage point I am able to relay wx info to and from the NHC and the affected area(s) in the Carib or Gulf of Mexico. I also relay this same wx info to TWR. Sometimes it is the latest info on the location of a storm, or it may confirm the wx info we have. If necessary we will pick up the phone and call the NHC in Coral Gables. We are trying to get better svc, wx-fax. Inputs and suggestions for improvement of our situation are welcome from you or your readers!

When it was apparent that Hurricane Gilbert was going to cause great damage to Jamaica, plans were made for McDaniel Phillips, pgm dir to visit Jamaica to determine how we could help. Mac did go to Jamaica. Arrangements were made with Lands Radio (Neth Ants Telecomms Office, equivalent to FCC in the USA) for permission to handle reports of damage and how assistance could be made via amateur radio (third party tfc is normally prohibited in the NA) if phone comms were not available in Jamaica. As it turned out intl telephone svc was available and McDaniel Phillips telephoned reports, which were bc over TWR-Bonaire.

These reports not only informed of the damage and condx but informed how help could be rendered and thru what channels. The Jamaican govt recognized channels of relief were, among others, thru church organizations. TWR did provide "emergency relief comms" as much as it was possible w/out circumventing the existing channels and the sovereignty of Jamaica. The "church" did respond with love & care in practical ways to help the people of Jamaica!

Several years ago when the volcano Nevada del Ruiz in Colombia erupted, flooding and mudslides caused much destruction, death and relocation. We also sent someone to this scene. They phoned back to Bonaire and the info was bc of how help could be practically rendered. Needless to say, there were spl bcs addressing the spiritual and emotional effects of such a catastrophe. On a personal level, many of our staff have sent monies to aid in relief of people in these areas. We haven't shouted about what parts we have been able to participate in helping in these areas of need. Since you asked the question in print, I thot an answer was in order.

A word about myself. I am the Frequency Coordinator for TWR-Bonaire. I've been on Bonaire since 1966 serving in the engineering areas. I was responsible for the "old" 500 kW xmtr on 800 kHz. We have recently replaced it with a Brown Boveri which is more efficient. The old xmtr is being salvaged for parts and is being dismantled. This past year my job as fq coord was moved from engineering to pgming dept. Starting this weekend, I am hosting a new DX/SWL pgm called Bonaire Wavelengths. I hope you are able to catch it. We are not in the position to create anything like some of the DX news shows. We have had a number of requests for a DX/SWL pgm. I've asked for one so much, they told me to do it (Chuck Roswell, PJ4CR, TWR Bonaire, 5/1)

Tnx a lot for your reply; I only wish more stns would respond directly to questions raised in this column! I am glad to know that TWR does do something useful in emergencies, since those of us who have our own religious convictions are turned off by stations devoted to nothing but evangelizing. Chuck neglected to say just when Bonaire Wavelengths is sked, but we've since learned it is Sat 1145-1155 on 11815, 15345; UTC Sun 0330-0340 on 9535 11930 (gh)

NEW ZEALAND RNZ Intl SW sked, final M89 from 4/3 to 6/5: Pac: 1830-2105 11780 15150. 2345-0145, 0145-0330 Sat/Sun, 0330-0730 17705. Au/PNG: 12345-0145, 0145-0330 Sat/Sun, 0330-0730 15150. 10-1205 9850 11780. Reception reports or comments on RNZI xmsns will be most welcome. Note: due to changes w/in the dept, please address all correspondence to: The Technical Manager, R New Zealand Ltd, P O Box 2396, Wellington (Barry Cook, Supervising Technician, Maintenance, 1/2)

RNMN reported 22/12: Yesterday, extl affairs dept of NZ govt made important anmt re future of SW ES RNZI. For decades, SW svc has been limping along using two 7.5 kW xmtrs and reduced to simply relaying pgms from DS of RNZ. Asst secy of extl affs Hugo Judd told reporters a 100 kW SW xmtr is to be purchased and located SE of a place called Taupo. Bcs will initially be made in morn and eve hours totalling 11 hpd. Pgms will be mainly in EG and concentrate mainly on nx & sport. DS of RNZ may be asked to provide the pgms but the govt may also deci-

de to contract svc out to a private company. Also pgms in other Pac island langs made by ethnic groups living in NZ. It'll cost NZ\$3 mega to start up the new SW svc and an addl \$1 mega a year to pay a total of ten staff. Xmtr should start testing in 1990 to coincide with the country's sesquicentennial. (WBI 6/1) RNZN reported 26/1: As from 1/4, RNZ will become a ltd company and each of the 36 RNZ stn managers will be made responsible for making their regional outlets a profit-making concern. Wellington-based Natl Network will become the RNZ Special BCing Svc and'll get money allocated to it by a bcng commission. That comm gets its money from the RTV licence fee. But a small part of that fee, together w/grant from Forn Office, will keep the ES, RNZI, on the air. More on the 22/12 report above from Rudi Hill, mgr of current SW svc: hope new 100 kW xmtr installed to begin pgming in time for Commonwealth Games in Jan 1990. New site is some 40 mi from Taupo on the road to Napier, application already made to local court for changed use of the land. Svc is to grow into S Pacific, not worldscale intl bcer; not targeting Eu, ME, or even As. There will be some peripheral advantage for those countries but we are simply bcng news and sport, pgming of a Pac domestic nature. Not determined who will be responsible for voice of NZ overseas, but I don't know of any org other than RNZI who could confidently intro an overseas svc of this kind. I think RNZI will contract pretty soon, after funding question resolved (WBI 3/2)

NICARAGUA V of Nicaragua, ES on 6100, SP 00-04 exc Mon, EG 04-06 exc Mon, SP 14-18 exc Sun. Also anc 6015 but not hrd recently. Nx "Aqui Nicaragua" for 10 mins at 0001 /sic/, 01, 02, 03, 0350; otherwise Music & News, consisting of features such as What's New in the World, What's Happening in Cam, press conferences, excerpts from Pres Ortega's speeches, interviews and commentaries, interspersed w/mx. EG pgms: Nicaragua Today nx at 0401-0411, 0545-0559, Contact 248 = listeners letters, 0530-0545, and in between, Music & News (WBI 6/1)

R Sandino, DS from Managua on 940 750 and 107.5 includes pgms: 0030-0130 Sandino's Cubs--pgm for young army recruits. 0130-02 Tue/Thu/Sat, Here Is the Atlantic Coast, in SP/Miskito; 03-0530 Tue-Sat Tonight--nx & mx; 0530-06 Tue-Sat Midnight nx review. /unclear if svc is on 24h/ 12-14 Mon-Sat Noticias Extra=nx magazine; 1930-2030 Mon-Fri Radio News = natl & intl nx. In addn to main nx bulletins, R Sandino bcs nx items and summaries at various times thruout the day. R Sandino previously used SW 6160 tho this xmtr not hrd since 4/86 (WBI 13/1/89)

NIGERIA R Nigeria reported 1/2: New dir-gen appointed for FRCN, Alhaji Mohamad Ibrahim, who is currently director of corporate affairs in the corp.

PANA Nx agcy reported 2/2 from Calabar: weekly pgm titled Calling the Cameroons has been introed by Nigeria's Cross River Bcing Corp; stn ofil says aimed at bolstering relations between peoples of Cross River and Cam. Weekly one-hour pgm is bc simultaneously /sic/ in EG & FRand centres around listener requests. Follows on heels of a pgm in 1988 aired every Sat in EG & SP, Calling Equatorial Guinea, aimed at luring EGs from their close relations w/racist S Africa. The two pgms feature discussions as well as indigenous mx of E.G. & Cameroon (WBI 10/2)

PANAMA DPA nx agcy reported 17/1: Cland TV stn, La Libertad, resumed bcng 16/1 somewhere in Panama. Stn aired msg from ousted pres Eric Arturo Delvalle and lashed out at general Manuel Antonio Noriega, Panama Defence Forces Commander and the country's strongman. Stn bc on ch 7, which is not assigned to any stn, at 2000 /I suspect local time, EST -gh/ for 15 mins. Pgm was presented by Panamanian anc Bosco Ricardo Vallarino, who has lived in Washington for several months because the govt has been allegedly persecuting him. He has now covertly returned to his country (WBI 20/1)

PARAGUAY R Caritas reported 29/12: Xmsn power of R Caritas will be reduced considerably from today, consequence of order issued by ANTELCO which has directed stn to deactivate xmtr for its: regular pgms and to limit power to only one kW. Measure, considered arbitrary under current circumstances, was taken yesterday thru Note No 236 signed by Engr Angel Barboza, Dir of ANTELCO comms and RF admn dept. Many listeners will no longer receive the bcs. We regret limitations imposed on us in fulfilling important svc of providing daily info (WBI 6/1) Hoy reported 18/1: At noon yesterday, police contingent prevented 2 political leaders and a union leader from entering R Caritas. They were Domin-

go Laino, pres of Authentic Radical Liberal Party, Hugo Richert of the Popular Democratic Movement, and Alan Flores of the workers Inter Union mvmt. They were to have participated in a R Caritas pgm called In Transit at 1315-1530 (1815-2030 gmt) /since when has Pgy been on UTC-5? gh/ These leaders arrived at the stn and found police blocking entrance. Policeman told Laino order came from higher offfs. Report was given by Benjamin Fernandez, R Caritas press spokesman who w/Jose Aranda, Exec Dir of R Caritas, were also denied access to stn (WBI 27/1) /then came the coup, which BBC neglects to mention/

R Primero de Marzo reported 4/2: After a long silence, the closed radio stn R Nanduti has again bc on AM. From today RN xmts on expl basis, bcng mx. In interview w/our stn, RN dir Humberto Rubin said everything is set for closed stn to bc again w/in next few days. R Primero de Marzo reported 4/2: Municipality, govt delegation and all public offices in the city of Encarnacion have been placed under supervision of Navy Captain Manuel Fernandez Samaniego, commander of Enc naval base. One of first measures was to appoint Mr Eulalio Coronel as new dir of R Encarnacion, replacing Alejandro Lapiere, who for many years held that position (WBI 10/2)

PORTUGAL RDP Intl reported 23/12: Three of the main Lisbon pirate radio stns are to shut down regular bcng today as consequence of rules of their application for legalisation. First to go off is R Cidade, from Amadora, at 2100*. All other stns, both in Lisbon and rest of country, have to be off by 0000 tomorrow or their application for legalisation will be rejected. Closing dates for appls is 3/1 (WBI 6/1)

SAO TOME RDP Intl, Lisbon reported 10/1: Coop agmt signed today between RDP and Sao Tome e Principe's natl radio, RNSTP. TDP to carry out improvements to infrastruxure of its ST counterpart, plus repairs, adjustments to eqp of xmters. RDP also provide training courses for RNSTP staff. Will strengthen friendship ties, use of PT as offl lang, as well as our culture. This year we'll invest some 40 megascudos in ST&P for radio improvements; more in 1990. Doing the same in other ex-Portuguese Af countries (WBI 20/1)

SAUDI ARABIA BSKSA, Riyad/Jiddah, ES, complete: 04-05 Somali Af 17845 15430. 04-06 Turkish Eu 15060 11685. 05-06 SH Af 17765 15335. 06-08 Holy Koran for northern half of As on 17720 11730. 08-10 Holy Koran for southern half of As on 21495 17895. 10-12 Indo 21495 17895. 10-14 Holy Koran Af 15170. 12-13 Bengali 15345 11825. 13-15 Urdu 15345 11825. 14-16 FR to Eu 9720 9705, also bc domestically in SA. 15-16 Turkmen to USSR, Iran, Afgh on 9520 7155. 15-19 Holy Koran Af 7250. 16-18 Persian 9565 7205. 16-21 EG Eu 9720 9705, also bc domestically, incl nx 1830-1845, 2045-2055, Saudi nx 1845-1855. 18-19 Bambara Af 15060 7275. 19-21 Holy Koran ME/Af 11935 7275 7250. Total output 238 hpw (WBI 10/2)

SOUTH AFRICA Tentative M89 R RSA fq sked, 5/3 to 6/5, for EG: 02-03 Nam 9615 9580 11730. 04-0415 Eaf/ME/Saf/Waf 11900 7295 9585. 11-12 Eaf/ME/Saf/Eu/Waf 21535 11900 21590. 13-14 SAs 21590 17755. 14-16 Eaf/ME/Eu on 25790 17755; Saf on 11925; Eu/Waf 21590; Nam 21670. 18-19 Eu 21535 17795. 19-21 Waf/Saf/Eaf/ME 21590 7295 17795. Note the usage at 1400; 25790 was already switched from Nam beam in early Jan, replaced by 21535, not 21670, per Wm Westenhaver (gh)

SPAIN RNE Radio 1 reported 4/1: Legal contract for formation of company resulting from absorption of RCE by RNE was signed here today. RNE now has 5 ch in addn to REE. There will be 17 simultaneous pgms for different communities. Both R4 and R5 will carry ads, no change in staffing. RNE R 1 reported 4/1: RNE-1 now info stn, RNE-2 serious mx, RNE-3 FM for minority sectors, RNE-4 net of 17 stns in each of Spain's autonomous communities, RNE-5 local radio. Ed note: new RNE 5-channel net started 9/1 (WBI 13/1)

RNE R 1 reported 12/1: there is now successor to Pilar Miro as head of RTVE. Luis Solana Madariaga, at present chmn of Spanish Natl Telephone Co. Brings to end Miro's term after 27 months w/numerous problems, criticism. RNE R 1 reported 13/1: Solana will be installed 17/1 (WBI 20/1)

Since 17/1, R Exterior de Espana renamed Radio Nacional de Espana--Radio Exterior; in EG, Spanish National R's Intl Svc, ex-Spanish Forn R; French now R Nationale d'Espagne--Radio Exterieure (WBI 27/1)

SRI LANKA RNMN reported 24/1: Victor Goonetilleke reports on joint project w/ Japan. SLBC Engineering Dir says project well underway. When completed, SLBC will have two 300 kW SW xmtr s for extl bcs, i.e. relaying R Japan to As/ME. Also four 10 kW SW for SLBC DS. No more MW expansion intended. Some construction already started, lot of activity, many Japanese in stn already. Target dates not set yet, but ought to hear some tests sometime in 1990. SLBC will run spl all-nite xmsn for elections, 15/2; DS all night but also to Eu on 9720 11800 from abt 1730 into following day (WBI 3/2)

SUDAN Natl Unity R, Omdurman, ancd 28/12: New sked from new year: AR general pgm 13-14; Southern Kordofan pgm 14-1430; EG pgm, new svc, 1430-1445; Anyanya Two /pro-govt militia/ pgm 1445-1530* (WBI 6/1) NUR ancd 15/1: New sked from 16/1, *1200 w/Anyanya Two pgm, 13-14 Gnl pgm in AR, 14-1430 S Kordofan pgm, 1430-1445 With the Sudanese Abroad pgm, new; 1445-15 English pgm; send letters to: National Unity Radio, the General Command /of the Sudanese Armed Forces/ Moral Guidance Branch, PO Box 15, Khartoum (WBI 20/1) /Will this convince some other DX editors it's not bland and never has been? -gh/ more below--

SURINAM During its 23/1 bc, R Surinam Intl ancd that fq changes to 17765 from 5/3; now in DT, EG, Sranan Tongo weekdays 17-1745 on 17835 via Brasil (WBI 3/2)

SWEDEN R Sweden reported 2/1: SSB xmtr taken out of service from 1/1; 600 kilokronor a year is the req frm Televerket to continue operating it, which Swedish R Company declined. Previously xmtr had not cost SRC anything, Televerket paid for it. No staff savings involved, since no post dealing w/SSB xmtr alone; big cost was electricity, 200 kK (WBI 6/1)

SUDAN /continued from above, sorry/ Since 1/1, NUR hrd on 9435 w/this sked: *1300 s/on; 1302 Koran; 1306 Islamic pgm; 1313 nx in AR, time varies; 1321 mx; 1340 Voice of Anyanya-II; 1345 nx in EG--irregular; 1353 Anyanya-II pgm in Bari; 1400 talk by Anyanya-II politburo member Muhammad Chuol, in AR, usually daily; 1415 Anyanya-II pgm in Nuer; 1430 Southern Kurdufan pgm in AR; 1500* (WBI 13/1) But above info outdated by subsequent report in first segment above, EG at 1445 instead (gh) R Omdurman reported 18/1: Sayyid Muhammad Sulayman Muhammad Bashir has been appt Dir-Gen of R & TV Corp, formerly mgr of R Omdurman (WBI)

TAIWAN WYFR on new 9280 at 2118 2/12, Chinese pgm, nx, mx, jingle, Oakland addr, //9955, site? (Peter Wilhelm Mueller, FRG, Jan DSWCI SWN) Did you hear a WYFR ID? Their Chinese xmsns have always come only from Taiwan relay, Family Radio. WYFR ought to apply only to the xmsns from Florida (gh)

U S S R R Moscow WS ancd 23/12: As of 1/1, R Moscow begins bcs in Filipino /Tagalog/ and Malaysian. half an hour twice daily in 16, 19, 25mbs. Malaysia: 0930 & 1130; Phil 13 & 14. Ed note: despite this and other anmts, RM's Malay svcs is hrd 10-1030 on 17775 17600, 12-1230 on 17775 15175.

English/Zulu to SAF now bc 19-20, ex-18-19, on 12030 11670 9880 9800 9730. RSP&P has addl bc to Eu in EG 21-2130, GM 2130-22, both on 263 kHz from GDR.

New RMWS in RS started 1/1, probably at 1000. The ancd 10 hours of bcs incorporate existing daily 4h of bc by RS Rodina, svc for emigres. Remaining 6 h neatly slot in w/svcs such as For Those at Sea, RS Atlantika, relays of nx from AUR First Pgm. New RMWS in RS replaces relays of AUR Mayak which with above svcs formed part of 5th pgm of AUR for seamen, compatriots abroad. RMWS in RS starts w/ID sig from RS folk song In a field a birch tree stood, and during final anmts uses part of final mvmt of Tchaikovsky's 4th symphony which incorporates the same Russian folk song. Viz: 02-03 RS Rodina, 03-04 WS, 04-05 WS, 10-11 WS, 11-12 WS, 14-15 RS Rodina, 18-19 WS, 20-21 RS Rodina, 21-22 WS, 2330-0030 RS Rodina (WBI 6/1) Lots of fqs I've omitted, probly change by now (gh)

TASS reported 5/1: Jamming of xmsns of DW, V of Israel, Liberty has been lifted by USSR. Jamming of other W xmsns was stopped evenearlier, per today's Trud. "We are dismantling the obsolete 'jamming' radio stns, and the other ones we will use for completely different purposes," the paper's correspondent was told by USSR Deputy Comms Minister Gennadiy Kudryavtsev. "In the near future they will start operating as bcng stns and will fill the vacated fqs w/local, republican and oblast pgms." The 'jamming' radio stns were usually located in the centre of towns. And in many places the electromagnetic radiation emanating

from them exceeded the permissible safety levels in adjacent houses. "In the present situation this has been taken into account," he stated, "In connexion with their new tasks, the number of xmtrs will be reduced, and consequently, the radiated power will be decreased. In places where permissible levels will still be too high, stn will simply be closed down".

RM new svc in Tagalog, introd 1/1, hrd 13-1330 on 17840 15520 11905 7380, 14-1430 on same plus 6910 USB. New bcs in Malay obs 10-1030 on 17730 17635 17600 11775 9735, 12-1230 on 17775 15330 15175 9735 9625. (WBI 13/1)

RMWS in EG reported 11/1: Estonia's Ministry of Comms has ordered closure of a jamming facility that was used against Western radiostns. This is one of new features of glasnost!. Jamming has ended in other republics as well. Facilities released from that will be used to enlarge for and domestic being in USSR. (WBI 20/1) End of jamming a mixed blessing, QRMoscow-wise (gh)

RM NAM svc Moscow Mailbag item 22/1: Both home and forn svc, R Moscow yearly budget is about \$61 million. Now we spend maybe 8 or 9 times more for our technical services, for xmtrs, relay lines, etc (WBI 27/1)

Combined RM Russian svcs sked: 2330-0030 Rodina to Am on 49 fqs plus 4765, given as USB, but presumably means Cuba as in subsequent hours. 0030-0130 For Those at Sea, from Moscow, Simferppol!, Leningrad. 0130-02 RS nx to Am repeating 19-1930 first pgm bc. 02-03 Rodina. 03-05 WS. 06-07 relay first pgm. 07-08 nx from first pgm, and at 0715 For Those at Sea, repeating 0045-0130. 0815-0900 RS Tikhyy Okean, from Vladivostok, may include brief items in EG, FR, on: 17870 17850 17825 17590 15595 15570 15535 9905=usb 9845 9820 9635 9600 9530 7492.8=ssb 7345 7320 7270 7260 7230 7210 7175 6175 6090 6080 6035 6020 5940 5905 4485 4050 245 234 153. 09-0930 Tue/Fri For Soviet Specialists in Asia & Africa; other days Time, Events, People from pgm-I. 10-12 WS, incl 4765-cuba. 12-13 nx incl Sun 1230-13 Intl Observers at the Round Table, from pgm-I. 13-14 RS Atlantika, from Murmansk Tue & Fri, Riga other days. 1315-14 Tikhyy Okean on 5015. 14-15 Rodina. 16-1645 nx from pgm-I. 1645-1730 Atlantika. 1730-18 Tue For Soviet Specialists Abroad. 18-19 WS. 19-1930 nx frompgm-I. 1930-2030 Tikhyy Okean, from Vlad on 9780 9625 7315 7245 6175 6035 6000 5015 /no mentn of EG segment now or at 1315/. 20-21 Rodina. 21-22 WS. 22-2230 nx from R Orbita-2. 22-23 Fri For Soviet Fishermen from Leningrad, maybe on 5950. 23-2330 Sat For Those at Sea, fromKalingrad /sic/ on 1386. Totals 149 hpw (WBI 27/1)

Turkmen R First Pgm, Ashkhabad: 00-1903 on 4825 in Turkmen, Russian. One hour earlier during DST. 2nd pgm inactive on 4895 (WBI 27/1)

U K O C B A N I /If you don't know what this means, you will gain great satisfaction when you figure it out --gh/ BBC March features include: What's in a Colour, Suns 1615, Mons 0730, 1330, 4 pgms looking at the significance of colors to humans. Science Fiction is the title of a new play commissioned by BBCWS, Sat 25/3 1901, repeated Sun 0101, 1201; by Robert Ferguson. A Choir Full of Soloists, features the BBC Singers, starting Fri 24th 0030, 1030, 1715. Two Cheers for March, satirical review, 29th Wed at 1530, Thu 0030, 1030. (BBC)

U S A RNMN reported 22/12: CS Monitor 3rd site, Cypress Creek SC, where two 500 kW xmtrs being installed, 10 ants, to serve Canada, Carib, C&SAm. Ed Evans, stn mgr: now commissioning new xmtrs; some limited being on or around 13/2, increasing sked until mid to late March full bc sked; satl pgm feed from Boston (WBI 6/1) Later RNMN report said maybe start 27/2

SCDX reported 10/1: Greek TV is rexmting CNN. Also CNN is going to xmit to LAm 24 hpd using a new Panam satl, PAS-1. Decision is defeat for Intelsat, company that ops most comsats (WBI 20/1)

VENEZUELA TWR Bonaire reported 29/12: It's been officially ancd that Ven will launch megawatt radio stn, V of Venez; more powerful than VOA in western hemisphere, will be hrd from Canada to Argentina; in SP, EG, FR, Papiamento (WBI 6/1) This widely-quoted item is full of misleading info. I'll believe it when I hear it, since numerous times before such a stn has been predicted. Some assume it will be on SW, while more detailed reports put it on MW only, 1240 kHz, no less. Comparing a single megawatt MW xmtr on a graveyard channel to the power of VOA, mostly on SW, is absurd, but bound to impress the ignorant (gh) R Nacional de Venez, ES in SP on 11850 11694 9540 5019v, daily 11-12 beginning w/10-min nx bull, repeated at 14, 18, 21, 00, 03 (WBI 6/1)

YEMEN WEST BY NORTHWEST YAR Radio, Sana'a, DS in AR: 0300-0705, 0705-10 Fri, on 9779.4 6135 5950. 10-11 on same plus 4853. 11-16 on 9779.4 6135 5950. 16-2115 on 9779.4 5950, during Ramadan extended to 2310. 4853 not confirmed during

this survey. Pgms include: 1115-1150 Guardians of the Homeland, armed forces pgm; 16-1630 V of Palestine (during Ramadan at 18-1830 instead). 19-1930 Homeland and the Emigres (WBI 13/1)

ZAIRE Monitoring research in Jan: R Bukavu now hrd on 4846, ex-4839. On air 0345-0700 w/nx in SH 0410, FR 0430 & 0625, and relay of nx from Kinshasa at 05. Also hrd 17-18 (WBI 13/1)

ZAMBIA R Zambia reported 26/1: Zambia Natl Bcing Corp, ZNBC will on 1/2 launch its first ever commercial radio channel, to be known as Radio 4, also as Radio Mulungushi; aimed at offering business community better medium to reach high number of consumers, youth, women, too, 24h (WBI 3/2) PANA 2/2 quoted ZANA: PM Kebby Musokotwane has urged R Zambia to play greater role in giving audience a national identity going beyond religious, ethnic or tribal barriers. Made remark at inaug of R Mulungushi (WBI 10/2)

ZIMBABWE APS nx agcy, Algiers, reported 19/1 from Harare: Zimbabwe will host 25-26/1 the 29th general assembly of URTNA, Union of R & TV of Africa; conf to discuss advantages and dis- of future stns of private radios in Af; abt 150 participants from several countries (WBI 27/1) ZANA via PANA 25/1: URTNA could fold up if members fail to take urgent measures to make it financially viable. Zimbabwe BC Dir-Gen Tiriwafi Kangai, URTNA BOD member, said URTNA in financial crisis because some members failed to pay subscriptions (WBI 3/2)

C L A N D E S T I N E C R A N N Y UNITA, SWAPO, anti-Angolan bcs observations RNMN reported 22/12 that UNITA bcs via S African xmtrs were no longer being hrd tho other SAF-sponsored propaganda radio bcs to Angola, in both PT and SP (for Cubans) continued. BBCM obs show that radioteletype xmsns of UNITA nx agcy KUP have not been traced since end of Nov. But UNITA radio stn, V of the Resistance of the Black Cockerel, continues hrd daily. 27/12 included recorded extrax from speech said to have been made by UNITA Pres Jonas Savimbi in Jamba, southern Angola, 25/12 in which he said UNITA remained in the struggle despite signing of SWAf peace accords. A stn in PT calling itself "Peace & Progress - Angola for Angolans" was hrd on 4950 at 06-0658 27/12, believed to be stn previously called V of Truth. RN also reported that SWAPO's V of Namibia continues to bc from Lubango, SW Angola (WBI 6/1) Cubans in Africa pgm in SP continues, 18/1 hrd 17-1755 on 6045 and same bc repeated 19/1 05-0555 on same fq. A bc IDing as R (?Siboneh) /Siboney, which ought to be a Cuban name well-known abroad -gh/ traced at 1803 on 6100 26/12 but not hrd since. Also in SP, addressed to Cuban troops in Angola (WBI 27/1)

V of the Tigre Revolution 30/12, VOTR obs on 6944 in addn to regular 9343, 9311, 7830, for 15-1630 bc in Amharic & Tigrigna. Also found on 7010 at 19-20^h. VOTR supports Tigre Peoples' Liberation Front, hostile to Ethiopian govt (WBI 6/1) Other stns make a distinction between bcs in Tigrigna and Tigre. Why does not this stn bc in Tigre itself? Or does BBCM not know the difference? (gh)

Al-Quds Radio AQR 1/1 ran excerpts of interview with unnamed Dir-Gen of stn: AQR hrd thruout Palestine w/QRM, in Lower Egypt, thruout Jordan w/some QRM; thruout Leb w/whistle resulting from intentional noise used by zionist enemy, thruout Syria w/whistle; in parts of Iraq w/whistle, in some Saudi areas w/whistle, and in Kuwait w/whistle /het/. Hrd all over Cyprus and reaches some parts of Greece. Druing expl SW xmsns, AQR hrd in Bulgaria, USSR w/out the whistle. Our ambitions are great - to serve our revolution and people. All of us, as one family, have, w/your encouragement, plans to reactivate SW, which was stopped some time ago for unavoidable reasons. This SW will cover the Arab Naf countries and EEu. We promise you we will develop. We promise variety. We promise to raise the std of our performance. (WBI 6/1)

V of the People of Kurdistan The anti-Iraqi VOPK intercepted at 1345 27/12 bc-ing AR on 7100. No QRM until 1355 when suddenly overwhelmed by powerful and fast morse code signal. VOPK untraced thereafter. IDed in AR as VOPK, voice of the Patriotic Union of Kurdistan (Huna sawt Sha'b Kurdistan, sawt al-Itti-hadi al-Watani al-Kurdistan). Morse code QRM obs to cease at 1410; stn unhrd on previous fq 4070 (WBI 6/1)

V of the Communist Party of Iran obs on //3800.3 besides usual 4466.6 varying to 4466.8; mod is of the R3E type, reduced carrier. 8/11 at 1859-1910, 15/10 at 1825-1830 respectively. A bubble jammer hrd continuously changing fqs in 4065-4075 range and on 4200.0, apparently not jamming anything; I wonder why? Poor maritime band! (Franz Süss, Romania, Jan DSWCI SW News)

V of Afghanistan Monitoring 19-20 Jan: currently hrd on 6100 at 0730-0915 apx and 1130-1230 on 6100 in addn to 5300v. Hostile to Afghan govt, bcs mainly in Pashto and Dari but also short items in other langs, incl EG. 18/1, and 19/1, nx in EG hrd 0858-0910 apx (WBI 27/1) See AFGHANISTAN, also using 6100

V of the Islamic Revolution of Afghanistan Obs on 6/2 show this continues to bc on 720 kHz at 17-1730 in Pashto & Dari; hostile to Afgh govt, first hrd in 1984, believed to op from xmtr in Iran (WBI 10/2)

TV Marti VOA Communications World reported 28/1: R Marti, US govt sponsored, went on air May 1985; stn supporters say should be extended to TV. Last year, US Congress approved 5 sesquimadollars so that TVM could conduct 90-day test of bcng nx, soap operas, other pgms into Cuba. 24/1, advisory panel said TVM project should only proceed after Congress gives it 'careful consideration'. US advisory comm on public diplomacy made this statement in annual report to President. Said TVM raises significant questions for public diplomacy and US-form relations; asks if TVM is consistent w/US obligations under intl law, if is technically feasible; what kind of pgms should be bc? what are implications for US TV stns, comms regs, and air traffic safety? Xmsn would employ a balloon over south Florida (WBI 3/2)

North American Pirates Falling Star R, 6240, 0407-0511+ 8/1, SIO 444, featured topic: why violence is a part of society; 60s mx, addr PO Box 1659, Gracey Stn, NY NY 10028. Have my QSL already. Report of FSR n Feb LR should be KPRC, not KQRP for this one. KPRC is still on FM in NYC and they were relayed. Don't know if any connexions between the two. Radio Stn Pirate Dallas, Texas, is actual ID of stn making the War of the Worlds bc that wasnt last month in LR4, IDed wrong as WRFT. WENJ, 7415, 2003-2013+ 14/1, 6240 2245+ 14/1, SIO 544; 7415 2012-2015+ 15/1, SIO 444. Still very active in early aftns on SW. OM Jack Beane said some of these shows haven'ted over 40 pcs! Sends QSLs out fast after getting calls, usually next day. Calls stand for Eastern New Jersey. WJDI, 1620 kHz, 0512-0615+ 8/1; 0520+ 0/1; 0517-0555+ 15/1; 0525-0552* 16/1. SIO 454 for these bcs. This one was on most every Fri, Sat, Sun nite at 0500. OM gave many IDs such as "Voice of NY St", "1000 clear watts of power". Gave addr for NRC in Cambridge WI. 16/1 bc was ancd as their last, but hrd again on 1620 30/1 0526-0530+ w/reduced power, SIO 222. Pse QSL to A Yoder, 3007R 4th Ave, Beaver Falls PA 15010. KROK, 7415, 2021-2055* 7/1, SIO 444, an old stn returns! I haven't hrd since 17/8/85. 50s and early 60s pop mx. At fist that this was WENJ but played Best of the Oldies IDs w/Hilo HI addr; s/off w/Close Encounters theme. Radio USA, 7415, 2008-2029* 29/1, SIO 444; 6240 2031-2100* 29/1 SIO 344. Another old stn returns! I haven't hrd this since 25/2/85. Mostly hardcore punk mx w/ lotsa IDs, promos, comedy segments, Chill Theater fake horror movie. OMs Mr Blue Sky, Greyhawke, Hubie. Mx by Metallica, Poison Idea, and a punk version of 99 Red Balloons; Hilo HI addr (Yoder, PA, for all of these)

P U B L I C A T I O N S World Broadcasting Information Published weekly by BBC Monitoring, gives up to date news on developments in world broadcasting, including: details of different pgm and fq skeds; bcng behaviour and tech developments; activities of clandestine and unofficial bcers. For more info write: Subscriptions office, BBC Monitoring, Caversham Park, Reading RG4 8TZ, Berkshire, England (BBCM) Costs 350 pounds per annum plus postage

REVIEW OF INTERNATIONAL BROADCASTING and DX LISTENING DIGEST, two magazines published by gh, provide a great deal more info for the discriminating SWL/DXer. Reserve your copies of the next issues now as samples for \$2 each in NAM, US\$3 airmail elsewhere; or start your sub for 10 issues at \$21 each, both for \$40 in NAM. Overseas airmail: \$27, \$29 or \$31 each depending on zone, deduct \$2 discount if taking both (e.g. \$56 to Europe), US funds on US bank, to Glenn Hauser, Box 1684, Enid OK 73702, or Box 4254, Austin TX 78765. 73 de Glenn
(these items are used on a space-available basis, in case you've not noticed)

QSLs

Send Reports To: **Sam Barto**
47 Prospect Place
Bristol, CT 06010

ABU DHABI: Voice of the United Arab Emirates
9595 p/d folder cd. w/ schedule in 1 mo.
v/s Ahmed Shouly.(Connor-PA).

ARGENTINA: RAE 11710 f/d "Logo" cd. w/ schedule in 3 mo. v/s Silvana Licciardi.(Connor-PA).

ARMENIAN SSR: Radio Yerevan 13645 f/d plain cd. in 84 ds.(Levison-PA).

ASIATIC RUSSIA: Radio Moscow 17720, 21530 and 17605 via **Petropavlovsk-Kamchatsky** f/d cd. in 41 ds.(Weber-OH). 15455 f/d "Lenin Library" cd. in 41 ds.(Weber). 12050 via **Khabarovsk** f/d cd. in 6 wks.(Huniwell-NJ). 9875 f/d "Poster" cd. in 2 mo.(Barto-CT). 17655 f/d cd. in 2 1/2 mo.(Barto). 17825 via **Irkutsk** f/d "Poster" cd. in 2 mo.(Barto). 9780 via **Nikolayevsk-on-Amur** f/d "Poster" cd. in 2 mo.(Barto). 15590 via **Kenga** f/d cd. in 50 ds.(D'Angelo-PA). 9840 via **Novosibirsk** f/d cd. in 50 ds.(D'Angelo-PA).

AZERBAIJAN SSR: Radio Moscow 15260 via **Baku** f/d cd. in 2 mo.(Renfrew-NY).

BELGIUM: Belgium Radio and Television 9925 f/d "Wintergarden" cd. w/ schedule and tourist map in 47 ds.(Levison-PA).

Trans World Radio

Bonaire



1964 25 1959

Your Friends in the Southern Caribbean

These are the new TWR QSL cards as sent to me via Charles K.Roswell, Frequency Coordinator...Thank you.

BONAIRE: Trans World Radio 11815 f/d "25th Anniversary" cd. in 23 ds. for 1 IRC. Also rcvd. schedule, station pennant, map and personal note. v/s Sally Rork.(McHarg-IN). 9535 f/d "Antenna" cd. in 33 ds. w/ personal ltr.(Lane-IL). **Radio Nederland** 9590 f/d "Van Gogh" cd. in 37 ds. w/ schedule.(MacHarg).

BOUANGVILLE: Radio North Solomons 3325 f/d ltr. in 2 mo. v/s Sam Sawa.(Barto-CT).

BRASIL: Red Cross Broadcasting Service - ICRC 17730 via **Brasilia** f/d cd. in 50 ds. for 1 IRC.(Renfrew-NY). **Radio Nacional de Boa Vista** 4875 f/d personal

Monteiro Lima.(Sgrulletta-NY). **Radio Cancao Nova** 4825 n/d form ltr. in 146 ds. for a PT rpt. and a prepared cd. Station asked for contributions due to financial problems. v/s Wellington Silva Jardim.(Archer-NC). p/d ltr. in 106 ds. for a PT rpt. and ms.(D'Angelo-PA).

Directorate General
ALL INDIA RADIO
AKASHVANI BHAVAN,
PARLIAMENT STREET,
NEW DELHI-110001 INDIA

No. 3/1/86B3 Dated on...1/2/88

Dear Sir/Madam,

We gratefully acknowledge your reception report and confirm your listening to our transmission on 3295 kHz on 29/12/87 at 12:25 UTC

The transmission originated from our station on 29/12/87.

In your faithfully,
Bhaskar Prasad Singh
Chief Engineer

Mr. Edward Kusalik
2117 - 10 Street "A"
Coaldale, Alberta
Canada T0K 0L0

* ltr. in 8 mo. for a PT rpt and ms. v/s Eudson Monteiro Lima.(Sgrulletta-NY). **Radio Cancao Nova** 4825 n/d form ltr. in 146 ds. for a PT rpt. and a prepared cd. Station asked for contributions due to financial problems. v/s Wellington Silva Jardim.(Archer-NC). p/d ltr. in 106 ds. for a PT rpt. and ms.(D'Angelo-PA).

CANADA: BCC 9590 via **Sackville** n/d cd. w/ schedule in 47 ds. (Wakisaka-MD). **CFPX** 6080 f/d cd. in 64 ds. for ms. (Rigas-IL). f/d "Super Country" cd. in 12 ds. after a f/up rpt. v/s Trish Farina. (Weber-OH). **CFRB** 6070 f/d cd. in 130 ds. after a f/up rpt. for \$1.00. (Hazzard-PA).

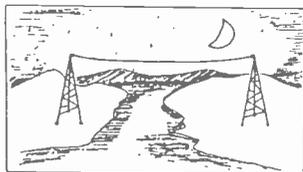
CHILE: Radio Diego Portales CE602 6020 f/d prepared cd. in 5 mo. via registered mail for a SP rpt.(Palmerseim).

CHINA, PEOPLES REPUBLIC OF: Radio Beijing 9690 f/d cd. in 23 ds.(Levison-PA). 9770 (note...this was probably via Mali) f/d "Hall of Supreme Harmony" cd. w/ paper cuts in 32 ds.(Levison-PA). 9690 and 11715 f/d cd. in 31 ds.(Levison). **Swiss Radio International** 15135 via **Kunming** f/d cd. w/ site in 16 ds.(Eckert-PA).

CLANDESTINE: Voice of the Khmer 6325 f/d ltr. in 52 ds. via Thailand address.(Kusalik-ALB). **Radio Venceremos** my rpt. was sent to the Mexico City address; however, I rcvd. a n/d info package from El Salvador Media Project, 335 West 38th Street, 5th Floor, New York, N.Y. 10018 (This is the organization that publishes Venceremos official publications of the Farabundo Marti National Liberation Front.(Renfrew).

* **Voice of Unity - Radio Muslim Mujahideen of Afghanistan** 11490 f/d cd. rcvd. via P.O.B. 2605, 2000 Hamburg 60, FRG.(Field). **COLOMBIA: La Voz de Bogota** 6020 f/d cd. in 3 mo. on my 19th rpt. (!) in SP for a reception in the 1970s.(Field-MI)...Excellent! **La Voz de Cinaruco** 4865 f/d ltr. w/ large pennant in 2 mo. (Huniwell-NJ).

Pirate Radio Central



KPRC Topoleski 1616

Trans World Radio

Bonaire

1964 25 1959



Celebrating 25 Years of God's Faithfulness

1472-187
GUINEA ECUATORIAL
Cable

Surprise!
The caption your
report of July 23, 1988
6250 Ltr. - Radio
Nacional - Malabo



Relax Archer
5524 Hawthorne Pk
Raleigh, N.C. 27613
USA

Bob Austin

VERIFICATION SIGNERS: Nueva Radio Centenario

4855 Pedro Salces Ruiz, Director, Radio Guatapuri 4815 Gustavo Cuello Diaz, Jefe de Programacion. Radio Nacional Espejo 4680 Marco Caicedo. La Voz de las Caras 4795 Marcelo N. Faggioni.

COMORO ISLANDS: Radio Comores 3331 f/d prepared cd. w/ ltr. in 32 ds. for a FR rpt. and ms. v/s Antufi Mohamed Bacar. This was after several f/up rpts. Thanks to Mitch Sams for tip. (D'Angelo-PA).

COSTA RICA: Red Cross Broadcasting Service - ICRC 21560 via Radio For Peace International p/d cd. in 1 mo. for 1 IRC. (Renfrew-NY).

CUBA: Radio Moscow 6045 via Habana f/d cd. in 50 ds. using Radio Moscow report form. (D'Angelo-PA).

ECUADOR: Radio Luz y Vida 4851 p/d cd. w/ giant poster in 189 ds. for a SP rpt. and ms. v/s Ana Maza R. (Archer-NC). Radio Bahai 4990 f/d plain white cd. w/ f/d prepared cd. and postcards of Indians from Otavalo City in 246 ds. for a SP rpt. and ms. v/s Lcda. Nooshin Burwell, Coordinadora. (Archer-NC). HCBJ f/d "Sketchbook" cd. in 25 ds. (Mac-*) Harg-IN). Radio Nacional Espejo HCWEI 4679.5 f/d prepared cd. w/ p/d personal ltr. in 2 mo. for a SP rpt. and ms. Photo rcvd. v/s Marco Caicedo. (Palmerheim-MN). p/d ltr. in 4 mo. for a SP rpt. (Huniwell-NJ).

ESTONIAN SSR: Radio Tallin 5925 f/d cd. in 94 ds. (Rigas-IL). EUROPEAN RUSSIA: Radio Moscow 11850 via Konevo f/d cd. in 40 ds. Site #58 QSLed. (Rigas-IL). 13710 via Moscow f/d cd. in 53 ds. (Paszkiwicz-WI). f/d cd. in 2 mo. (Renfrew-NY). 17635 and 17600 via Tula f/d cd. in 2 mo. (Renfrew-NY). 17665 f/d cd. in 50 ds. (D'Angelo-PA). 17765 and 15470 via Arnavir f/d cd. in 2 mo. (Renfrew-NY). 17645 f/d cd. in 50 ds. (D'Angelo-PA). 15540 via Ryazan f/d cd. in 50 ds. (D'Angelo-PA). 15530 via Serpukhov f/d cd. in 50 ds. (D'Angelo-PA). 15560 and 15420 via Zhigulyovsk f/d cd. in 50 ds. (D'Angelo-PA). 4860 via Kharkov f/d cd. in 40 ds. w/ site. (Rigas-IL). RCI73 Radio Moscow 18195 via Serpukhov f/d "Rowing Canal in Krylatskoye" cd. in 4 mo. for reception of a RS transmission on USB. (Barto-CT).

* RZA26 Radio Moscow 10670 via Moscow f/d "Lenin Library" cd. in 3 mo. for reception of a RS transmission on USB. (Barto-CT). RKU72



L A PAZ, BOLIVIA 28 de septiembre de 1988

Carlos de la Cruz M.
Casilla-7702
Tel-fano. 369938
La Paz, Bolivia

3-Aer
Richard A. D'Angelo
Es. UU. de A. USA.

Querido Richard:
A su atenta carta fechada en 10 de septiembre del presente, sobre la recepción de nuestro Mensaje Radio "Illimani", Mensaje del Estado Boliviano.

Leí muy atentamente su carta, mi complacencia que Ud. ha estado de -1 26 de agosto y 9 de septiembre del presente, la programación nacional y la identificación de la emisora. Quiero que meamos constante en comunicación mediante escrita, a mi me gustaría intercambiar estampillas o sus filatelistas.

Usted, como un hombre joven de 38 años de edad con los hijos y casado. Yo soy de la raza indigenista habitante en léxico aymara, también hablo Español e sea Castellano. Soy representante de la clase dominada en el país. existimos 70 % de habitante nativo e indigena. Pero no tenemos un instrumento para informar, comunicar, orientar y educar de su propia lengua y los habitantes aymaras y quechuas.

Yo, Soy Carlos de la Cruz Muceno, (masculino) productor y locutor en léxico aymero trabajo en Radio "Illimani" y en Teledifusión Canal 11 en programa independiente, no asalariado, mi objetivo es mantener y evolucionar la cultura aymera.

Quisiera Ud. me contacte con algunas Instituciones financieras para Comunicación,

Esperando más informaciones, salud muy atentamente.

(Signature)

Carlos de la Cruz Muceno
Productor y Locutor en
Radio y Televisión

* on USB. (Barto-CT). RKU72 Radio Moscow 13370 via Moscow f/d "Dzerzhinsky Square" cd. in 3 mo. for a RS transmission on USB. (Barto-CT).

FERNANDO POO: Radio Nacional 6250 via Malabo n/d personal ltr. in 9 1/2 mo. for a SP rpt., cassette tape and 2 IRCs. v/s Cipriano Somori. (Eckert-PA). f/d "Map" cd. in 110 ds. for a SP rpt. and ms. v/s Hermenegildo Moliko Chele, Jefe Servicios Tecnicos de Radio y Television. Thanks to Sams for tip! (D'Angelo-PA). f/d cd. in 110 ds. after many f/up rpts. (Paszkiwicz-WI). 6249.5 f/d blue "Logo" cd. w/ p/d personal ltr. in 2 1/2 mo. for \$1.00. (Palmerheim-MN).

FRANCE: Radio France International 9790, 9550 and 7135 f/d "Hotels du Marais" cd. w/ schedule in 2 mo. (Connor-PA). 21645 f/d cd. in 43 ds. (Hazard-PA).

FRENCH GUIANA: Radio France International 11670 via Montsinery f/d "Centre Ondes Courtes de Guyane" cd. w/ site and schedule in 46 ds. for 1 IRC. (Wakisaka-MD). 9800 and 11995 f/d "Antenna Farm" cd. in 2 mo. w/ schedule. (Connor-PA).

PAKISTAN BROADCASTING CORPORATION
Establishing World Communication through International Relations

Thank you for your report on our Service from 5045 on 3/31 UTC on 3/30 - LTR which is in accordance with our schedule. If you require any further information, please write to us at the above address.

PST-UTC v/s 1 hr. Sincerely yours,
Controller
(Planning and Research)

United Agency for External Relations
17-A, Block 2, G-7, Islamabad

POST CARD

719

Mr. Richard A. D'Angelo

U.S.A.

FRENCH GUIANA: Radio Beijing 11695 via **Montsiner** two cds. were rcvd. for one rpt. in 25 ds. and in 34 ds. Also rcvd. paper cuts, schedule and stamps. (Wakisaka-MD).

GABON: Swiss Radio International 12035 via **Moyabi** f/d cd. in 13 ds. for 1 IRC. (Wakisaka-MD). **Red Cross Broadcasting Service - IRC** 12035 via **Moyabi** f/d cd. in 50 ds. for 1 IRC. (Renfrew-NY). **Africa No. One** 4830 n/d "Logo" cd. in 59 ds. for 2 IRCs. (MacHarg-IN).

GEORGIA SSR: Radio Station Peace and Progress 11980 via **Tbilisi** f/d cd. in 5 1/2 mo. for a SP rpt. (Eckert-PA). **Radio Moscow** 15500 via **Tbilisi** f/d cd. in 6 wks.

w/ calendar and XMAS. cd. (Allen-OK). 21725 f/d cd. in 50 ds. (D'Angelo-PA).

GERMANY, DEMOCRATIC REPUBLIC OF: Radio Berlin International 11785 f/d "DX Abbreviations" cd. in 30 ds. (Connor-PA). f/d cd. in 61 ds. w/ station information. (Levison-PA).

GERMANY, FEDERAL REPUBLIC OF: Radio Bremen 6190 f/d cd. in 130 ds. for a reception while I was in Greece. (Rigas-IL). f/d "Antenna" cd. w/ stickers, schedules and station information in 65 ds. for \$1.00. (George-NC). **Radio Liberty** 7245, 11915 and 11925 via **Biblis** f/d ltr. w/ site in 14 ds. v/s Sydney Sandler. (Kusalik-ALB). 6170 via **Lampertheim** f/d ltr. w/ site in 14 ds. (Kusalik-ALB). **Radio Free Europe/Radio Liberty** 7220 via **Lampertheim** p/d cd. in 7 ds. w/ schedule. (Wakisaka-MD). 21510 via **Holzkirchen** f/d cd. in 25 ds. for ms. (Renfrew-NY). **APRIS** 15260 via **Munich** f/d cd. w/ prepared cd. in 4 mo. (Renfrew-NY).

GREENLAND: Kalaallit Nunaata Radioa 3999 f/d cd. in 338 ds. for ms. (Rugg-QUE).

GUAM: KSDA 11980 f/d cd. in 2 mo. (Gaharan). 15125 f/d cd. in 7 wks. w/ stickers. (Huniwell-NJ).

GUATEMALA: TGVN La Voz de Nahual 3360 and 6720 p/d ltr. w/ cd. and pennant in 2 1/2 mo. for a SP rpt. v/s Juan Fidel Lepe Juarez, Jefe de Mantenimiento (Tecnico Auxiliar). (Barto). **TGBA Radio Maya de Barillas** 3325 f/d cd. w/ personal ltr., badge and station pennant in 60 ds. via registered mail for a SP rpt. and \$1.00. v/s Baltazar Juan. (Wakisaka-MD). f/d cd. in 2 mo. for a SP rpt. Also rcvd. badge, pennant via registered mail in 2 mo. (Field).

Radio Beijing
11730
19 10 1990
15 02 00 - 02 30
Canal 250 khz
PTT
by Partner Tag Tag
Karin
Charles Rigas
4335 N. Meedy
Chicago, IL 60635
USA



f/d cd. w/ pennant and badge in 9 1/2 wks. for a SP rpt. (Huniwell-NJ).

HONG KONG: Radio TV Hong Kong 7290 f/d ltr. w/ cd. in 54 ds. v/s Phillip Manns, Director of Broadcasting. (Kusalik-ALB). **HBC** 7180 n/d cd. in 1 mo. (Huniwell-NJ).

INDIA: All India Radio 9910 f/d cd. in 40 ds. via the Indian Embassy in Washington DC. (Rigas-IL). f/d cd. in 45 ds. (Rugg-QUE).

INTERNATIONAL WATERS: World Music Radio 6215 via **Radio Caroline** f/d prepared cd. in 63 * ds. v/s G. Stanley. (Kusalik-ALB).

IRAN: IRIB 9022 cd. w/ schedule and magazines in 1 mo. (Lane-IL).

IRAQ: Radio Baghdad International 15230 f/d large folder cd. in 65 ds. (Lane-IL).

ISRAEL: Israel Radio International 9435 f/d cd. w/ schedule in 32 ds. for 1 IRC. (Morby-NY).

JAPAN: Radio Japan 17810 n/d "Towers" cd. in 24 ds. for 1 IRC. Schedule and newsletter was rcvd. (Morby-NY). **NHK** 3970 via **Sapporo** f/d cd. w/ ltr. in 35 ds. for \$1.00. Postcard and NHK schedule was rcvd. (Kusalik-ALB).

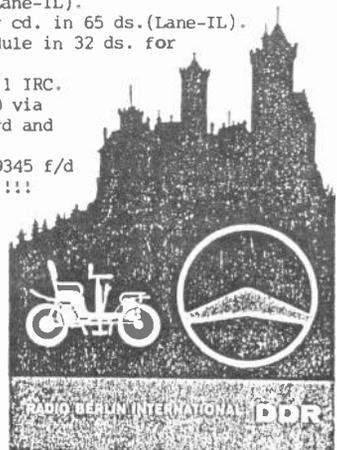
KOREA, PEOPLES DEMOCRATIC REPUBLIC OF: Radio Pyongyang 9345 f/d cd. in 4 mo. for a FR rpt. after 22 years of trying!!!! C/V #224. (Kusalik-ALB).

KOREA, REPUBLIC OF: Radio Korea 15575 f/d "Cyclists" cd. in 44 ds. for 1 IRC. (MacHarg).

KUWAIT: Radio Kuwait 11665 f/d folder cd. in 29 ds. (Hazzard-PA).

LATVIAN SSR: Radio Riga 5935 f/d "Cake" cd. in 6 wks. v/s Lena Bojantsela. (Eckert-PA).

LEBANON: King of Hope 6215 I received a letter from the * Calif. address in 69 ds. which indicated reception was "resurrected Radio Caroline broadcasting from the North Sea and transmitting on one of our



frequencies. This is causing much confusion". They suggested that I write to Corona, Calif. address.(MacHarg).

LESOTHO: BCC 9515 n/d "Antenna" cd. in 3 wks.(Huniwell-NJ).

LIBERIA: ELWA 4760 n/d cd. in 55 ds. for 2 IRCs. Also rcvd. schedule. v/s J. Tokeh.(MacHarg).

LIBYA: Radio Jamahiriya 11815 f/d cd. in 60 ds.(Gaharan).

LUXEMBOURG: Radio Luxembourg 6090 f/d cd. w/ stickers in 6 mo. after a f/up rpt. for ms. and 1 IRC.(Hazzard-PA). same in 28 ds. w/ stickers for 1 IRC.(Morby-NY).

MALTA: Voice of the Mediterranean 9765 f/d "Gozo and Comino" cd. in 42 ds. for \$1.00.(Wakisaka-MD). same in 67 ds. for 2 IRCs.(Paszkiwicz-WI). f/d "Harbor View" cd. in 65 ds. (D'Angelo-PA). f/d cd. in 39 ds. Also rcvd. map and schedule.(Lane-IL). **Radio Mediterranean** 6110 f/d "Coverage" cd. w/ schedule and stickers in 2 mo. for 1 IRC.(Connor-PA).

IBRA Radio 7110 f/d "CN Tower" cd. w/ pennant and sticker w/ personal ltr. in 17 ds. for ms. v/s Kimberly Youngren, Administrador.(Wakisaka-MD).

MADRITANIA: ORTM 4845 f/d ltr. in 1 mo. for a FR rpt. v/s Lemrabbt Boukhara.(Eckert-PA). f/d ltr. in 10 mo. for a FR rpt.(Eckert-PA).

MEXICO: XEUV La U. de Veracruz 6020 f/d ltr. w/ prepared cd. in 43 ds. for a SP rpt. and \$1.00. Postcard and pennant was rcvd. v/s Ing. Bahazar Pazos de la Torre, Director General.(Kusalik-ALB). n/d personal ltr. w/ schedule, pennant and postcard in 70 ds. for a SP rpt., ms. and \$1.00.(Archer-NC). f/d personal ltr. w/ prepared cd. in 51 ds. for a SP rpt. and \$1.00. Beautiful pennant rcvd. (D'Angelo-PA). **XEQX** 6045 f/d cd. w/ personal ltr. in 5 wks. for a SP rpt. v/s Manuel Carrillo Drageda, Director General. Also rcvd. 2 different station pennants, and stickers.(Field). **XEQK** 9555 **La Hora del Observatorio** 2 f/d prepared cds. w/ personal ltr. in 56 ds. for a SP rpt. and \$1.00. Also rcvd. 20 stickers.



v/s Irene Moreno Cobar, Sub Gerente.(Kusalik-ALB).

MONTSERRAT: Deutsche Welle 9565 n/d cd. w/ pennant and sticker in 68 ds.(Wakisaka-MD).

NAMIBIA: Radio SWA - Windhoek 2 3289.9 f/d "Usakos" cd. in 3 mo.(Barto-CT).

NEW BRITAIN: Radio West New Britain 3235 f/d ltr. in 8 mo. for 2 IRCs. v/s Simon Mulaga. (Witte-CA). f/d "NBC" cd. w/ personal ltr. in 1 mo. for ms. v/s Timothy Dickson.(Allen-OK). **Radio East New Britain** 3385 f/d "Map" cd. after 7 years of trying. v/s A.L. Rumina, Station Manager.(Huniwell-NJ).



Phone 933855 Code: NATHBDCAST Tels: RE 93101

Ref. 16-3-31(1)
Radio West New Britain,
P.O. Box 412,
SIMC, WBS.
3rd August, 1988

Mrs. C. C. Hicks,
9018 Marlin Street,
Torrance, California,
90503 U.S.A.

Dear Mr. Hicks,

RE: RECEPTION REPORT ON ENGB - ENGB.

Your reception report on this Station dated the 6th March, 1988 further refers:

Our Programme Log confirms that your report is correct and the Station you heard was Radio West New Britain. The Station transmits on 3235 kHz and can be located in the SW Bands 1 and 2 on the portable transmitter sets.

But I believe that the further you get away from the Country, you will require a better and more sophisticated set for better reception.

The Station has a total of 16 Staff, which includes announcers, a Journalist, technical Officer and support staff.

Our estimated audience is approximately 85,000 people and uses English and Pilegia languages in our transmissions.

Please take this letter as a confirmation to your report.

Thank you and may I take this opportunity to wish you a good listening.

Yours faithfully,


Simon Mulaga
STATION MANAGER - ENGB.

Verification Card

Dear Mr. Marjorie E. Witte.

We thank you for your reception report. We are pleased to hear that you are enjoying our service. We will be glad to provide you with more information if you need it. We will also be glad to provide you with more information if you need it.

Frequency: **9500** MHz
UTC/GMT: **0155**
30 Sep 88

Radio Korea
30 Sep 88

© A. B. & C. v/s of the Seoul Olympic
Main Stadium in Japan.

② 1988

Radio Korea

NIGERIA: Radio Nigeria Kaduna 4770 f/d ltr. in 37 ds. for 2 IRCs. v/s Yusuf Garba. (Paszkiwicz-WI). f/d ltr. in 351 ds. for 1 IRC.(Morby-NY). f/d ltr. in 4 mo.(Barto-CT). f/d ltr. in 26½ mo. for \$1.00. (Kusalik-ALB).

PAPUA NEW GUINEA: Radio Enga 2410 f/d prepared cd. in 292 ds.(Archer-NC). **Radio Simbu** 3355 f/d prepared cd. w/ p/d personal ltr. in 276 ds. for SASE, ms. v/s Fabian Waim, Assistant Station Manager. (Archer-NC). **Radio Northern** 3344.8 f/d "NBC" cd. in 1 mo. for ms. v/s Timothy Dickson via Port Moresby.(Allen-OK).

PERU: La Voz de Selva 4825 p/d ltr. in 40 ds. via registered mail for a SP rpt. and \$1.00. v/s Dulce Nombre Padilla.(Wakisaka-MD). **Radio Eco** 5112 f/d prepared cd. in 70 ds. for a SP rpt. and \$1.00. This was for a 1983 reception. Thanks to station visit by Dione Blas Rojas for visiting the station for me.(Allen-OK). **Radio Sicuani** 4826.3 p/d prepared cd. w/ a friendly personal ltr. and a station decal in 78 ds. for a SP rpt. and ms. (Archer-NC). **Radio Municipal Calca** 6242 f/d personal ltr. in 4 mo. on my 6th try for

a SP rpt. 150 watts! v/s Jose Victor del Castillo F. (Field-MI). **Radio Los Andes QAZ2A** 5030 f/d prepared cd. w/ p/d cd. and ltr. in 5 wks. for a SP rpt. and \$1.00. Arrived via registered mail after 5 f/up rpts. v/s Pablo Jacob Cardenas Valverde, Gerente. (Palmerheim).

PORTUGAL: Radio Portugal Internacional 9705. f/d cd. in 6 mo. for \$1.00. (Hazzard-PA). 9660 n/d "Old Map" style cd. w/ sticker in 50 ds. v/s Carminda Silva. (MacHarg). **Radio Liberty/Radio Free Europe** 15115 via Gloria p/d cd. w/ site in 6 ds. (Wakisaka-MD). **Radio Canada International** 15315 via Sines f/d cd. in 13 ds. (Hazzard-PA). **IBRA Radio** 9665 via **Radio Trans Europa** f/d cd. in 16 ds. for 2 IRCs. (Paszkiwicz-WI).

SAIPAN: KYOI 11900 Rcvd. a WCSN cd. w/ ltr. stating that they cannot handle the volume of KYOI QSLs that are requested by listeners. (Zobro-MI).

SEYCHELLES: BOC 15420 p/d ltr. in 3 mo. direct from the relay site. (Renfrew-NY). n/d cd. in 2 mo. (Huniwell-NJ). **Far East Broadcasting Association** 15200 f/d cd. in 97 ds. (Gaharan).

SOUTH AFRICA: Radio RSA 25790 f/d "White Rhinos" cd. in 36 ds. (Levison-PA). 15365 f/d cd. in 36 ds. (Hazzard-PA).

SPAIN: Radio Liberty 11770 and 11885 via **Playa de Pals** f/d ltr. in 14 ds. v/s Sydney Sandler. (Kusalik-ALB). 9565 f/d cd. in 6 ds. for ms. (Renfrew-NY).

SPANISH MOROCCO: Radio Medi Un 9575 f/d cd. in 3 mo. for a FR rpt. Sticker and schedule rcvd. v/s C. Thuret. (Field-MI).

SRI LANKA: Deutsche Welle 6170 f/d "Special Sri Lanka Relay" cds. in 2 mo. (Kusalik-ALB). 7200 same cd. in 2 mo. (Kusalik-ALB).

SULAWESI: Radio Republik Indonesia Kendari 4000.2 f/d prepared cd. w/ n/d EG ltr. in 1 mo. for ms. v/s Daniel H. Sjahbuddin. (Palmerheim-MN).

SUMATERA: Radio Republik Indonesia Jambi 4927 p/d ltr. in 1 mo. for an IN rpt. and ms. v/s M. Yazid, Kepala Siaran. (Allen-OK).

SWEDEN: Radio Sweden International 21555 via **Varberg** f/d cd. w/ site in 20 ds. (Rigas-IL).

SWITZERLAND: Swiss Radio International 6135 f/d cd. w/ program schedule in 22 ds. (Becker-NY). 21630 f/d

"Chateau and College" cd. in 26 ds. (Levison-PA). **Red Cross Broadcasting Service - ICRC** 9885, 11955, 15430 and 17830 via **Schwarzenburg** and 15525 via **Sottens** f/d "Logo" cd. in 1 mo. (Barto-CT).

12035 (probably via **Moyabi**) f/d cd. w/ sticker and schedule in 17 ds. (Lane-IL). 15430, 17830, 21630 via **Schwarzenburg** f/d "Logo" cd. in 2 mo. (Barto).

13685 via **Sottens** f/d "Logo" cd. in 2 mo. (Barto-CT).

TADZHIK SSR: Radio Moscow 9665 via **Dushanbe** f/d cd. in 53 ds. after a f/up rpt. (Paszkiwicz-WI). 12045 f/d "Poster" cd. in 2 mo. (Barto-CT).

TAIWAN: Central Broadcasting System 6087 large framable cd. in 35 ds. v/s Lee Ming, Deputy Director. (Rigas).

TURKEY: Voice of Turkey 9445 f/d "Santa Claus" cd. in 55 ds. Sticker and schedule rcvd. (Lane-IL).

UKRAINIAN SSR: Radio Kiev 9640 f/d "Beach in Hydropark" cd. in 127 ds. (Zobro-MI). 7165 f/d cd. in 59 ds. w/ pennant and station pin. (Turnick-PA). 11790 f/d "Monument" cd. w/ schedule in 152 ds. (Levison). 13645 f/d "Museum of Folk Architecture" cd. in 92 ds. (Levison-PA). 15445 f/d "University" cd. in 70 ds. (Levison).

Radio Moscow 9765 via **Lvov** f/d "Poster" cd. in 32 ds. v/s Miss Olga Milyaeva. (Weber-OH). 7290 f/d cd. in 2 mo. (Renfrew-NY). 7150 f/d cd. in 50 ds. (D'Angelo-PA). 11670 via **Ivano-Frankovsk** f/d "Dzerzhinsky Square" cd. in 54 ds. (D'Angelo-PA). 7310 f/d "Byelorussian Railway" cd. in 52 ds. (Weber-OH). 7115 f/d cd. in 50 ds. (D'Angelo-PA). 17680 via **Simferopol** f/d cd. in 46 ds. (Paszkiwicz-WI). 5980, 17810 and 15475 f/d cd. in 50 ds. (D'Angelo-PA).



Radio QATAPURI

GRUPO RADIAL COLOMBIANO

ONDA LARGA
Fds. 1440kHz
Banda Publica
95 - 96MHz
ONDA CORTA
4815 - 4900kHz
1800 Watts

VALLEDUPAR
Fono 28822 - Guatad

Valledupar, Septiembre 15 de 1.980

Sr. RICHARD A. D'ANGELO
3215 Burrey Drive
Wyncott, PA 19610
U.S.A.

Estimado oyente!

Con gran satisfacción nos permitimos dar respuesta a su amable carta en donde nos informa sobre la recepción de nuestra emisora en su Onda Corta.

En la fecha que usted menciona a Nueve Guatemal (30 de Abril), estuvimos transmitiendo al cierre del Vigésimo primer Festival de la Leyenda Vallesana, que celebramos anualmente, durante cuatro días.

Cada año estamos de aniversario. El pasado 30 de agosto, celebramos nuestras bodas de plata de fundación. En ese lapso hemos realizado en el primer lugar de sintonía un nuestro programa de 740 kilociclos Onda Larga, con potencia de 50.000 vatios.

Adjuntamos el Certificado de Sintonía que nos envió para que lo confirmemos en recepción. Además, le hacemos llegar el Folleto de nuestros 28 años de existencia.

Valledupar es la capital del Departamento del Cesar en el norte de Colombia. Tiene unos 400 mil habitantes y su centro productor de arroz, algodón, café, caña de azúcar, plátano, cítricos, carne y leche.

Cuando sea posible, seguiremos con su amable sintonía.

Con cariño
Julio
DUSTINO CUELLO DIAZ
Jefe de Programación.

VALLEDUPAR
GRUPO RADIAL
"QATAPURI"



via Field

HEIB

QUIZ VALLEDUPAR
SOBRE RADIO



Radio France
Internationale



TDF-RFI

Télédiffusion
de France



UKRAINIAN SSR: Radio Moscow 15135 via Vinnitsa f/d "Rowing Canal in Krylatskoye" cd. in 63 ds. (Weber-OH). 17565 f/d cd. in 50 ds. (D'Angelo-PA). 4795 and 4860 f/d cd. in 50 ds. (D'Angelo-PA). 7230 and 17820 f/d cd. in 50 ds. (D'Angelo-PA).

USA: KVOH 17775 f/d "Studio" cd. in 93 ds. w/ schedule and station booklets for \$1.00. (George-NC). **WINB** 15295 f/d cd. in 50 ds. w/ schedule. (MacHarg-IN). **WHRI** 13760 f/d cd. in 1 mo. v/s Larry Fawbush. (Barto-CT). **WCNN** 9870 n/d "Christian Science Center in Boston" cd. in 85 ds. w/ schedule for \$1.00. (George-NC). **WWV** 20000 f/d cd. in 9 ds. for ms. (returned). (Morby-NY). **APRTS Bethany** 6030 f/d cd. w/ prepared cd. in 4 mo. (Renfrew-NY). 15345 via **Delano** f/d cd. w/ prepared cd. in 4 mo. (Renfrew-NY). **Voice of Free China** 5985 via **WYFR** f/d cd. in 41 ds. w/ sticker. (Levison-PA). **KUSW** 11695 f/d cd. w/ sticker and schedule in 31 ds. for ms. (Borkum-MA). **Voice of America** 6165 via **Greenville** cd. in 32 ds. (Darling-PNG). 9590 and 5975 via **Greenville** f/d cd. in 32 ds. (Darling). 5985 via **Delano** f/d cd. in 32 ds. (Darling-PNG).

USA (Pirate): WENJ 1615 f/d station cd. w/ prepared cd. in 1 mo. for a * f/up on a 1980 reception. 1500 watts. Uses Box 5074, Hilo, HI 96720 as a maildrop. (Moore-OH). 6240 f/d cd. in 4 ds. for a telephone rpt. 40 watts. (D'Angelo-PA).

USSR: Radio Moscow 7115 f/d "Poster" cd. in 62 ds. w/o site w/ personal note and program schedule. (Levison-PA).



VATICAN: Radio Vatican 9605 via **Santa Maria di Galeria** f/d "Aerial View of Transmitter Site" cd. in 80 ds. for 1 IRC. (Zobro-MI).

VENEZUELA: Radio Rumbos 4970 f/d cd. in 4 mo. for a SP rpt. (Field-MI). rcvd. "Colonia Tovar" and "Old Watermill" cds. for two separate rpt. , one in 312 ds. and the other in 301 ds. for a SP rpt. and \$1.00. Station sticker also rcvd. (MacHarg-IN). **Radio Tachira** 4830 n/d brief personal ltr. in 236 ds. for a SP rpt. prepared cd., postcard and a SWL pennant. v/s Eleazar Silva M., Coordinador General. (Archer-NC). **Radio Los Andes** 6010.6 p/d prepared cd., n/d personal ltr., postcard of "Casa de Gobierno" all received via registered mail in 24 ds. for a SP rpt. v/s Angel M. Marquez. Addr: Apartado 40 (not 47 as

Q S L

Certificado de Sintonia

Emisora Radio "La Cruz del Sur"

A Sr. Rowland Archer

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 8825 KHz. de fecha 10 de Septiembre/88 a las 5:25 a 6:30 horas de la mañana con 70 Kw. vatios de potencia.

Rowland Archer
Firma y sello oficial

noted in the WRTH). (Archer-NC). **YVIO** 6100 f/d cd. in 5 wks. for a SP rpt., cassette tape. v/s Pedro Pablo Leon, Director. (Huniwell-NJ). **Radio Nacional de Venezuela** 11860 p/d ltr. w/ cd., sticker and brochures in 378 ds. for a SP rpt. and ms. v/s Ivan Russa Crespo, Jefe de Onda Corta. (Rugg-QUE). **YVNV Radio Nacional de Venezuela** 9540 p/d cd. w/ personal ltr. in 5 mo. for a SP rpt. (Barto-CT). **YVOV Radio Nacional de Venezuela** 11693.9 p/d cd. w/ personal ltr. in 5 mo. for a SP rpt. (Barto-CT).

VIETNAM: Voice of Vietnam 15010 p/d cd. in 168 ds. after several reports over a 10 year period! (Willis-KY).

WEST BERLIN: RIAS 6005 f/d cd. in 28 ds. for \$1.00. (Rugg-QUE). f/d cd. in 19 ds. for \$1.00. (Hazzard-PA).

WEST IRIAN: RRI Manokwari 3986.2 f/d prepared cd. w/ friendly personal ltr. and staff photo in 41 ds. for an IN rpt. and ms. v/s Abdul Rachim, BA, Kepala Stasiun. 1000 watts. (Archer-NC). **RRI Wamena** 4871 f/d prepared cd. w/ friendly personal ltr. in 279 ds. for an IN rpt. and ms. v/s Yosva Kururawak, A. n. Kepala Seksi Teknik, Penjab. Sub. Seksi Teknik. (Archer-NC).

RRI Sorong 4874.7 f/d prepared cd. w/ XMAS and New Years cd. in EG from Mr. and Mrs. Widarsanto for an IN rpt. and ms. in 107 ds. (Archer-NC). **RRI Biak** 6207 and 5451 f/d cd. in 5 mo. on my 5th try for an IN/EG rpt. v/s Mochtar Yushaputera, BA. (Field-MI). **RRI Serui** 4607 f/d prepared cd. w/ personal ltr. in 1 1/2 years for an IN rpt. and ms. 500 watts. v/s M. Sabarofek. (Orcutt-CA). 4607 f/d cd. in 2 mo. w/ personal ltr. for an IN rpt. v/s Agus Raunsay. (Field-MI).

Q S L

Certificado de Sintonia

Emisora Radio Los Andes

A Sr. Rowland Archer

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 6010.6 KHz. de fecha 10 de Septiembre/88 a las 5:25 a 6:30 horas de la mañana con 70 Kw. vatios de potencia.

Rowland Archer
Firma y sello oficial

A JOINT MALTESE CYPRIAN VENTURE

Dear Listener,

Thank you for your reception report of our transmission

on 9th September 88

at 0600-0700 GMT

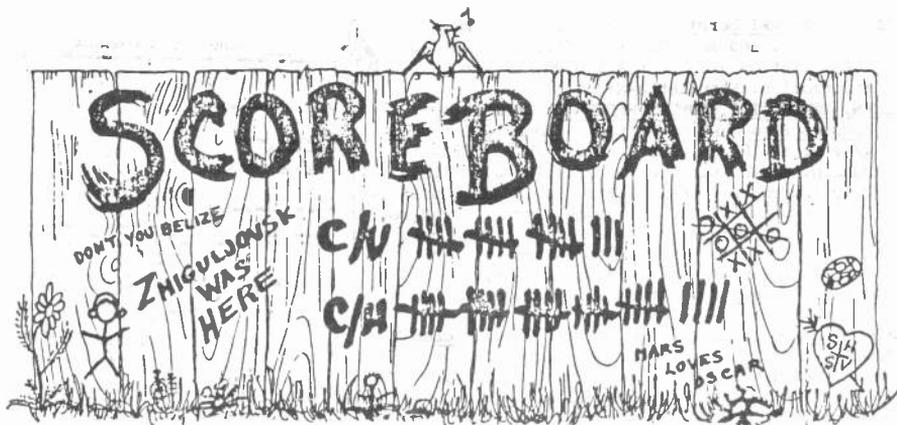
frequency 9365 KHZ

We are very glad to verify herewith your report

Thank you for listening to our Radio Station.

USA.

Broadcasting daily between 0600 and 0700 UTC. Medium and Short Wave coverage on 15876 kHz on the MW Band and 9765 kHz on the SW Band and between 1400 and 1460 UTC on the 11925 kHz SW Band. Write to: Voice of the Mediterranean, P.O. Box 143, Yafna, Haifa.



JERRY A. LINEBACK, Editor
 6361 Shore Dr.
 Douglasville, GA 30135

March, 1989

Welcome to Scoreboard. Please share your DX progress with your fellow DXers through Scoreboard. The Spotlight this month is on Asia. C/H=countries heard and C/V=countries verified. Country counts are to be guided by the NASWA Radio Countries List available from Headquarters. You must update at least once a year to remain on the Scoreboard. We thank all who have participated this month. Next deadline will be May 15 for the June FRENDEX and the Spotlight then will be on Europe.

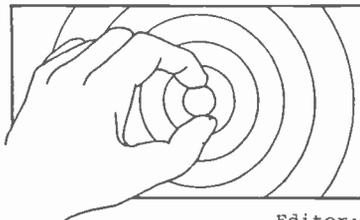
Name, State	Total		Asia		Best Asian QSL
	C/H	C/V	C/H	C/V	
James Young, CA	237	223			
John Tuhscherer, WI	235		65		Qatar
Gordon Darling, PNG	232	225	67	64	Turkiye Polis
William Flynn, CA	224	207	62	53	BCS Kure, Japan
Marlin Field, MI	223	222	62	61	RRI Gorontalo
Jerry Berg, MA	223	221	63	63	Goa
Gerry Bishop, FL	223	209	66	63	Bhutan B.S.
Nobuaki Takahashi, Japan	220	187			
Tom Gavaras, MN	219	214	64	63	VTVN Saigon
Roland Schulze, FRG	218	204	66	59	RPD Ende
Harold Cones, VA	217	203	58	49	
Mitch Sams, KS	217	163	63	43	Kashmir 3277
Bill Harms, FRG	215	151	65	46	KBS Taegu 2510
Al Miller, OH	214	207	61	57	Qatar
Terry Palmersheim, MN	214	195	61	54	RTV Hong Kong
John Sgrulletta, NY	212	212	56	56	V. O. Peace
C. Vernon Hyson, NC	209	196	54	49	Sarawak
Paul Buer, FL	208	197	53	49	VoPeace 6240kHz
Richard Davis, NM	208	195	62	57	RRI Dili
Ron Howard, CA	207	189	57	51	Maldives
Steven Lare, MI	207	166	57	47	Hong Kong 3940
Larry Abraham, MI	206	193	54	48	Brunei
Rick Krzemien, CA	204	182	59	54	Bhutan/Burma
Kevin Atkins, AL	204	166			RKIP Surabaya
Kirk Allen, OK	203	183	49	37	Azad Kashmir
Jerry Lineback, GA	203	106	55	15	Ujung Pandang
Jim Uerlings, OR	203	65	64	18	AIR India
Del Fye, FL	202	187	52	48	Ambon
David Swaringen, NC	202	182	54	47	Nepal
Christos Rigas, IL	200	178	53	47	Aden
Sheryl Paszkiewicz, WI	200	175	57	45	Sri Lanka BC
John Bryant, OK	199	176	52	40	R Nepal

Name, State	Total		Asia		Best Asian QSL
	C/H	C/V	C/H	C/V	
Kevin Atkins, AL	199	161			
Rowland Archer, NC	198	181	56	48	R. Nepal
Mike Hardester, PA	197	183	54	49	AFNT Taiwan
Nelson George, NC	191	168	47	40	
Stephen Leite, MA	191	163	41	37	Kampuchea
Gayle Van Horn, LA	190	166	41	34	Kuching Sarawak
John R. Tow, AL	188	163	41	34	Kampuchea
John Meyer, WI	186	152	49	35	Kampuchea
Andy Leskowitz, MA	185	106	49	24	Kampuchea
Tom Daly, NY	184	32	50	4	Turk Meteor Svc
John Huniwell, NJ	183	179			
Charlie Hoffman, PA	183	149	48	37	Brunei 7215
Kent Willis, KY	183	136			
Hadley Cress, VA	181	8	43	3	Sri Lanka
Tom Laskowski, IN	174	135	36	25	Mongolia
Bryan Price, KY	173	98			
Morley Kirkland, Ont.	172	158			
Ichiro Maruo, Japan	165	92	61	33	Lao National R.
Kevin Klein, WI	164	71	43	16	R. Pakistan
Andy Rugg, Que.	158	131	40	28	BBC, Singapore
Rev. John Eckert, PA	157	131	41	35	Ulan Bator
John Mosman, KS	151	114	30	21	R Damascus
Jim Renfrew, NY	151	111	36	26	Sri Lanka 35kW
Carl Mann, NE	145	124	34	28	Burma 4725
Peter Dillon, Greece	145	91	39	18	R. San'a
Carl Radtke, CA	143	143	37	37	Brunei
Thomas Ross, IL	143	121	36	28	RTV Hong Kong
Keiichi Kondo, Japan	143	100			
Dustin Brann, MO	143	73	29	12	AFRTS 3910 kHz
Donna Robinson, IL	141	104	29	16	V of Vietnam
Kenneth Hill, MA	135	85	25	19	King of Hope
Jackie Cole, CO	130	93	21	12	Syria
David Morby, NY	129	31	28	3	R. Japan
Dale Park, HI	127	37	36	8	AWR via SLBC
Jerry Ervine, TX	103	80	25	8	AIR India
Joe Zobro, MI	86	66	17	10	R. Baghdad
Ronald Purdue, MN	82	43			
Robert Carlsen, OH	81	72			Burma BBS

Thanks to all who have shared their totals with us this month. We encourage all NASWA members to share their totals with us through Scoreboard. Remember the next deadline of 15 May and the Spotlight on Europe. Please use the new address. Gud DX and 73s.

jal

THE CHICAGO AREA DX CLUB - CADX welcomes new members who live within 150 miles of the Chicago area and who will regularly contribute to our monthly publication DX - CHICAGO. We are a small friendly group with all levels of DX experience, from novice to expert. Sample copies of DX - Chicago may be had for \$1.00. Dues are \$15.00 per year. Please make all inquiries and checks payable to: JOE FARLEY, 5252 LEE AVENUE, DOWNERS GROVE, IL. 60515 (D.R.)



LOG REPORT

section A

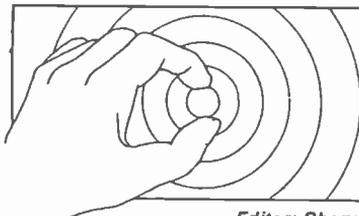
2000 to 4899 kHz

Editor: Bob Brown, P.O. Box 591, Colmar, PA 18915

- 1620.3 **PIRATE** WJDI 0520-0616* EG, Oldies pop mx. ID. Mention of "Equipment Maintenance Test", 1000 watts, Rusty Jones sponser. (Alexander-PA 1/15) (D'Angelo-PA 1/2)
- 1621.3 **PIRATE** WKND 0705-0800 EG, Pop/rock mx. Relay of "Power Line" rel pgm, "WKND Radio 1620" Vy wk. (Alexander-PA 1/15)
- 2904.8 **INDONESIA** RPDT2 Ngada 1228-1305 Organ/piano mx, lcl nx, svrl mentions of Ngada & Manggarai, anthem, ID. Nice sig @ 1245 peak. (Atkins-AL 1/30)
- 2962.7t **INDONESIA** RPDT2 Manggarai 1248-1258 fade while logging Ngada on the R70's other VFO. Mellow orch mx, IN tlk, much wkr than Ngada, faded before ID. Poor (Atkins-AL 1/30)
- 2999.8 **INDONESIA** RKPDT1 Jawa Timur 1225-1232 Flute mx, OM/YL tlk w/orch bridges, ID, Fair-poor (Atkins-AL 2/8)
- 3204.4 **INDONESIA** RRI Bandung 1239-1300 fade, lagu pops/cntry mx, YL ID, OM w/poss lcl nx. SCI @ fade. Fair (Atkins-AL 1/24)
- 3210.4 **MOZAMBIQUE** R. Mocambique 1834-1922 P. ID OM talk w/mx bridges, native mx. ID, time pips. (Schulze-W Germany 1/3)
- 3220 **CHINA** CPBS Beijing 2060-2100 CC, ID, classical mx, time pips, ID by YL. (Schulze-W Germany 1/7)
- 3220 **ECUADOR** HCJB 0238-0245 SS, OM tlk w/great marimba mx. Loud buzz by 0245. (Golden-NY 1/31)
- 3230 **LIBERIA** ELWA 1845-1902 Veneculars, ID, Afr folk mx. (Schulze-W Germany 12/31)
- 3230 **NEPAL** R. Nepal 1240-1300 Finally caught on 90m w/no ute, subcont mx, nx in presumed Nepali, IDs Fair //5005 (Atkins-AL 2/4)
- 3240 **ECUADOR** R. Antena Libre *1058-1128 fade. SP. Vocal NA, YL s/on ID, ancmnts, tk, choral mx (D'Angelo-PA 1/23)
- 3249.5 **UNID** 0232 Rel mx in SP, noisy, garbled xsmsn. Poss Luz y Vida in Honduras? No ID hrd. (Golden-NY 1/31) probably - ed.
- 3255 **UNID** 1232-1235* ME sounding vcels by YL w/violins, perc. Off w/no anmnt, this day only. (Atkins-AL 1/11)
- 3275.5 **PERU** R. Onda Popular 0130-0200 SP, OM tlk w/LA mx. QRM till 0155, ID at 0200. (Golden-NY 1/31)
- 3279.8 **ECUADOR** La Voz Del Napo 1015-1030 OM anncr w/lcl mx. ID. (Roupe-WV 1/9)
- 3295 **INDIA** AIR Delhi 1753-1836 M tlk, subcontl mx, QRM fm CW stn. (Schulze-W Germany 12/30)
- 3300 **GUATEMALA** R. Cultural 0221-0229 SP, M tlk, "musica classico" mentioned. ID over Chopin Polonaise. (Golden-NY 1/31)
- 3310.2 **BOLIVIA** R. San Miguel 0934-1004 Drum solos, yipping vcels w/accrdion. TCs, ID. Fair. (Atkins-AL 1/16) 0205-0227 (Jordan-PA 2/4)
- 3315 **INDIA** AIR Bhopal 0040-0050 Presumed, subcont mx, weak. (Schulze-W Germany 12/31)
- 3325t **INDONESIA** RRI Palangkaraya 1245-1300 Gamelan mx, ment Palangkaraya just before SCI @ 1300, qk fade. Fair. (Atkins-AL 1/26)
- 3355 **INDIA** AIR Kurseong 1620-1632 Hindi, ID, subcont mx. (Schulze-W Germany 12/30)
- 3359.9 **GUATEMALA** La Voz de Nahuala 0216-0219 RTTY QRM over same slow-speaking OM I've hrd for yrs. Great mx under noise, ID at 0219 "...de Nahuala" (Golden-NY 1/31) 0105-0210 (Jordan-PA 2/4)
- 3380 **GUATEMALA** R. Chortis 0110-0205+ SP, Lcl mx sels w/folk/marimba tunes, IDs, anmts, jingles. Not hrd at 0220 recheck. (Jordan-PA 2/4)
- 3394.8 **ECUADOR** R. Zaracay 0210-0215 SP, OM tlk, mx "El Condor Pasa", strng, ID. (Golden-NY 1/31)
- 3450.2 **PERU** R. Oyon 1005-1032 w/programa "Amanecer (Sunrise) Los Andes." Campo mx, svrl IDs/TCs. G. (Atkins-AL 1/18) (Archer-NC 1/21)
- 3600 **CUBA** 0335-0350 SP, talk by OM/YL, lite SP mx. 6th harmonic of 600 khz. wk. (Alexander-PA 1/14)
- 3985 **SWITZERLAND** R. Swiss Int'l 0752 EG Pgm (Cooper-CT 1/23)
- 3999 **GREENLAND** KNR *0957-1015 GN, Celeste IS as in WRTH, YL anmt. 1 pip at 1000 followed by talk by OM. GD at s/on but fading fast. (Alexander-PA 1/14)
- 4035 **TIBET**(p) Xizang PBS 1303 Tlk by YL in lang until QRM by MARS net. (Paszkiewicz-WI 1/29)
- 4238.1 **PERU** R. Inca 0940-1010 SP, huaynos, anmts, ID, echo anmts. Talk. Poor in noise. (Alexander-PA 1/14)
- 4250 **CHINA** CPBS2 Beijing 2231 LSB, CC, MX (Levinson-PA 1/15)
- 4418.3t **PERU** R. Frecuencia Lider 0208-0256 OA vcels, OM w/anmnts over flute mx. Partial ID. F/P (Atkins-AL 1/21)

- 4450 CLANDESTINE V. Of Natl Salvation 1640 KR, poor, YL with soothing snding tlk; not much else. RDI list site as N. Korea. Mxing w/monotonal jammer. (Park-HI 1/10)
- 4755 COLUMBIA R. Caracol 0145-0215+ SP, Many ID's, anmts, mx past 0215. //4865 LV del Cinaruco but diff promos/anmts (Jordan-PA 1/17)
- 4461.7 PERU R. Norandina 0303-0314 Huge sig w/romantic ballads. OM IDs. (Atkins-AL 1/21)
- 4769.9 VENEZUELA R. Mundial Bolivar 2305-2340 SP, ID, NX (Swaringen-NC 2/4) (Golden-NY 1/29)
- 4770 NIGERIA FRCN 0605-0625 EG Oil production in Nigeria and Venez. mntned in news. (Swaringen-NC 2/5)
- 4785 USSR R. Baku *0159-0300 IS at s/on, YL with "Danishyr Baku" ID. Kremlin chimes. Anthem at 0201. Talk by M/W. ME type mx. Vy gd. (Alexander-PA 1/22)
- 4790 PERU R. Atlantida 0940-0957 SP LA mx ID (Roupe-WV 1/9)
- 4795 ECUADOR La Voz de Los Caras 0722-0820 SP, EG/SP ID's "The Voice of the Caras from Bahia, Ecuador, SA by YL. Lively LA vcls/instrmnts. (D'Angelo-PA 1/1)
- 4795 USSR R. Peace & Progress *2200-2230 EG NX/Tlk with GM @ 2230 //7360 (Roupe-WV 1/7)
- 4795 USSR R. Moscow (VIA ULAN UDE?) RR, Orch mx to IS @ 0429, may be relay sw as another IS interrupted. Not //4765 after 0430. (Frodge-MI 1/1)
- 4800.7 PERU R. Onda Azul 1017-1046 Tnx tip FT501, ID @ 1029, non-stop vcls fm 1017-1029, 1035-1043. Weakng afr 1045. Nice OA vocal mx. Poor-Fair (Archer-NC 1/28)
- 4810.4 GALAPAGOS IS. LV de Galapagos 0149-0205* MOR vcls, OM w/ID/clsing anmts. NA. Wk w/splatr. (Atkins-AL 1/31)
- 4825 GUATEMALA R. Mam 1142-1231 SP/Indian. Lcl vcls w/2 M and small studio audience. ID. (D'Angelo-PA 1/15)
- 4826.2 PERU R. Sicuani 0950-1000 Campos/huanayos, OM w/IDs/TCs. Lost quickly in QRM by 1000. Poor (Atkins-AL 1/28)
- 4830 GABON Africa No. 1 1715-1730 FR. ID. Soul/Rock Fair (Dillon-Greece 1/12)
- 4835 MALI RTV Maliene 2345-0002* FR, Tk, ID @ 0000 followed by NA. //4783. (Swaringen-NC 2/4)
- 4835 GUATEMALA R. Tezulutlan 1115-1148 Instr mx. OM tk in lcl dialect. ID's (Rugg-Quebec 1/26) 0200-0220 (Jordan-PA 1/15)
- 4844.4 GUATEMALA Kek'Chi/LV de Las Casas 0135-0145 SP/Indian, clsing sermon, nice ID/Freq/Location @ 0145 into hymns & yak. Good. (Sheedy-CA 1/26) 0130-0200 (Jordan-PA 1/15)
- 4845 MAURITANIA ORTM *0630-0645 AR. IS w/guitar hrd. Brief sng then recitation from Quran. (Swaringen-NC 2/5)
- 4850 VENEZUELA R. Capital 2255-2323 SP, NX bulletins mostly about the new president, mx. (Tuchscherer 1/26)
- 4851.2 ECUADOR R. Luz y Vida 0045-0115 SP, slow SP ballads, anmts. No ID hd, presumed. (Alexander-PA 1/29)
- 4854.9t MOZAMBIQUE R. M.(t) 0340-0405 PT, AF hi-life mx, tlk by M/W. Fr at t-in but vy wk by 0405. (Alexander-PA 1/29)
- 4860 USSR R. Moscow 1740-1800 Turk, ID, pol tx w/ment of Gorbachev. Folk mx, IS Fair (Dillon-Greece 1/11)
- 4860 INDIA AIR Delhi IS @ 0028, tk in pres. Hindi till 0035 then ID in EG. Fair. (Laskowski-IN 1/16)
- 4865 COLOMBIA LV del Cinaruco 0230-0300+ SP, OM anncr w/variety of LA pop mx, many IDs, TCs, QTH refs, "Caracol" netwrk IDs, big sig. //4755 R. Caracol, Bogata (Jordan-PA 1/15)
- 4880 SOUTH AFRICA SABC Radio 5 0330-0350 EG Pop. (Swaringen-NC 2/5) (Frodge-MI 1/27)
- 4889.7 ECUADOR Centinela del Sur 0030-0105 SP, SP ballads, anmts, ID, ads/jingles. S/oft noted at 0200 when they pulled the plug in mid-song. Fr. (Alexander-PA 1/28)
- 4895 USSR R. Moscow 1720-1735 Romanian. ID. (Dillon-Greece 1/11)
- 4895 COLOMBIA LV del Rio Arauca 0050-0130 SP, pop, salsa, ballads, M anners, jingle/ads w/slick stn and network IDs. F to G (Jordan-PA 1/19)

Hello folks. I'm happy to check in as your new Log Report A editor. This month is my first shot at this kind of thing so I would appreciate comments, both critical and constructive. Lots of nice loggings this month. Indo's are being heard here at sunset and PNG's should start up again in the AM. Africans in the afternoon (2000-0000) have been strong. Great music! Till next month - 73 Bob KW3F



LOG REPORT

section B

4900 to 6199 kHz

Editor: Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220-6231

- 4904 CHAD, RN, 1/14, 1725-1805 w/drum mx, lcl drama, nx 1744 in AR, ID, nx 1800, good. (Dillon-GREECE)
- 4910 ZAMBIA, ZBS, 1/2, 0238 w/IS to 0250 drum beat, full ID by W, EG ID by M, poss. nx, no sign of Honduras. (Trotto-FL)
1/27, 0345 w/cmtry, chanting, EG nx 0400-0410, native mx, some Gospel. (Frodge-MI)
- 4915 GHANA, GBC-1, 1/14, 1810-1830 in EG w/cmtry, tlk abt econ., ID, TC, mx, fair sig. (Dillon-GREECE) 2/5, 2140 w/EG ID, TC, rel. pgm, great sig. (Swaringen-NC)
- 4935 BRAZIL, R. Capixaba, 1/14, 2203-2337 w/rel. cmtry, drama, vcls, ID anncng 1050 MW/4935 SW at 2300. (Rugg-PQ)
- 4935 PERU, R. Tropical, 1/27, 0145-0205 w/eclectic LA pops, ads, IDs after TCs. Fair w/Kenya QRM. (Sheedy-CA)
- 4945.3 COLOMBIA, Caracol, 1/8, 0902 w/ID, nx, LA mx. (Roupe-WV)
- 4950 SARAWAK, RTM Kuching, 1/7, 1415 in EG w/ID, nx, vg. sig. (Hart-MALAYSIA)
- 4953 ANGOLA, RN, 1/2, 0425 in PT w/pops, YL ID 0429, poss. exercise pgm. (Trotto-FL)
- 4957.5t AZERBAIJAN SSR, R. Baku, 1/22, 0345, weak w/ute QRM. ME type mx, IS 0359 w/more tlk & mx. 4785 stronger but not //. Both barely audible by 0500. (Alexander-PA)
- 4960p ECUADOR, R. Federacion, 1/22, 0045-0056* w/tlk in lcl Indian lang, s/off w/bouncy march. Poor w/ute/RTTY QRM. (Alexander)
- 4965 BRAZIL, R. Alvorada, 1/28, 0105 w/full ID & FC, lcl notes, promos. Nice surprise! (Sheedy-CA) 1/7, 0856-0938 w/ID & FC, mix of vcls & instls. ID/FC @ 0910, 0917. (D'Angelo-PA)
- 4970 CHINA, Xinjiang PBC, Urumqi, 12/31, 0150 in Kazakh w/ID, // 5440, tlks, flutes, IS after violins. (Schulze-FRG)
- 4985 BRAZIL, R. Brasil Central, 1/15, 0510 w/nice Braz. mx, many "R. Central" & "Brasil Central" IDs, vg. (Laskowski-IN)
- 4990 ECUADOR, R. Baha'i, 1/25, *0005-0030 w/16-note synth. IS, NA 0006, lite instls, tlk. Weak. (Alexander-PA)
- 4990 INDIA, AIR Madras, 1/15, 2358 in poss. Hindi w/IS, poss. ID, into nx, subcont. mx, fade by 0020. (Laskowski-IN)
- 5004 RIO MUNI, RN Bata, 1/14, 1835-1905 in vern w/hilife. QRM from RID Irkutsk so tentative. (Dillon-GREECE) 2/5, 2150-2201* in SP w/af. mx, ID 2158, NA. (Swaringen-NC)
- 5005 NEPAL, R. Nepal, 1/21, 1203-1216 in NP w/exc. subcont. vcls, 3+1 TPs 1215, ID, flute mx. Best lvl this year following major solar flare. (Archer-NC)
- 5010.5 MADAGASCAR, R. Madagasikara, 1/3, 0230-0334 in Malagasy, ID, tlk/mx, ID 0245, slow mx, ads, pops, slow fade out. (Schulze)
- 5015 CLANDESTINE, R. Truth, 1/21, *0400-0430 w/bird call IS, drums, anncmts in vern. Af. pops. Fair over Mayak station. (Alexander)
- 5015p EUROPEAN RSFSR, Arkhangelsk, 1/21, 0035 in RS w/clx mx, RM IS 0059, Kremlin chimes, mx. Weak. (Alexander-PA)
- 5025 CUBA, R. Rebelde, 1/16, 0142 w/pop mx, interviews w/Cuban troops returning from Angola. Many IDs. (Golden-NY)
- 5030 COSTA RICA, R. Impacto, 1/29, 0301 w/anncmts, lcl mx, good sig. (Levison-PA)
- 5040 VENEZUELA, R. Maturin, 1/21, 0315 w/feature, ID, nx w/"Rumbos" chimes, TCs, ads, LA vcls. (D'Angelo-PA) 1/10, 0344-0359* w/nx, ID 0353, NA. (Tuchscherer-WI)
- 5048 UNID, poss. R. Mundial, Venezuela, 1/13, 0218 w/baladas, upbeat LA mx, "Servicio Publico" spots, EST+1 TC. (Frodge-MI)
- 5090 PAKISTAN, PBC Islamabad, 12/10, 0105 w/ID, regional sce., // 5044.9, nx, anncmts. 5044.9 s/off but 5090 active. (Schulze)

5567.2 COLOMBIA, R. Nueva Vida, 1/23, 0133-0156* w/rel. tlk to 0151 ID, mx. (Tuchscherer-WI) 1/24, 0144-0156* w/rel. tlk, ment. Family Radio, Oakland. Organ mx to s/off ID & anmts but no anthem. (D'Angelo-PA)

5910 BELGIUM, BRT, 1/7, 2210 in EG w/DX pgm for Europe. //9925. Fair-good. (Roupe-WV)

5930 CZECHOSLOVAKIA, R. Prague, 1/11, 0307 w/cmtry on plastic explosives, nxreel. (Levison-PA)

5950 YEMEN, R. Sana'a, 1/14, 0310-0335 in AR w/chanting, lcl mx, tlk, weak u/WYFR. //9779.4 much stronger. Nothing on 4853. (Alexander-PA) Brian, the "chanting" was probably Holy Qu'ran-sp. 1/29, 2037-2112 in AR w/vcls, tlk, IDs as in WRTH, int'l nx 2100, mx & s/off. (Rugg-PQ)

5965 CUBA, R. Havana, 1/8, 0430-0445 in EG w/nx, DXers Unlimited. (Becker-NY)

5980 YUGOSLAVIA, R. Yugoslavia, 1/10, 0120 in EG w/cmtry & intermission of instl mx. (Purdue-MN)

5985 USA, VOFC via WYFR, 1/18, 0202 in EG w/stock rpt, Chinese stories. (Levison-PA) 1/18, 0742 w/cmtry on economy. (Cooper-CT)

6009.8 BRAZIL, R. Inconfidencia, 1/20, 0010 w/mx, anmts, ads, phone calls, ID. // very weak 15190.3. (Alexander-PA)

6011.1y PERU, R. America pres., 1/18, 0220-0245 w/long boring yak on econ. Lottery winners. Carrier drifts. (Sheedy-CA)

*6025 BIAFRA, R. Nigeria, Enugu, 1/2, 0657 w/tlk & ID, Paul McCartney song 0658, TPs, full ID 0700, nx in vern. (Trotto-FL)

6040 WEST GERMANY, Deutsche Welle, 1/8, 0140 EG sce. w/German lessons. (Purdue-MN)

6044y COLOMBIA, R. Melodia, 2/3, 0529-0559, TPs, IS 3 times, EG ID, "This is R. Melodia, Bogota," more EG tlk. (Streitmatter)

6065 SEYCHELLES, FEBA, 1/10, 1828 w/IS, u/R. Sweden, ID. (Schulze)

6065 SOUTH AFRICA, RSA, 1/8, 0040-0055* in SP w/opera, tlk, fair. (Roupe-WV)

6100 USA, WHRI, 2/1, 0614 in EG w/sleepy-soundin' male DJ w/Christian pops like several Amy Grant songs. (Park-HI)

6100 VENEZUELA, YVTO, 12/30, 0750 w/ID & time signals. (Schulze-FRG)

6110 MALTA, R. Mediterran, 1/29, 2230 in EG w/pops, nx 2234-2248, ID, Valetta addr. Garbled, fading. (Golden-NY)

6110 PHILIPPINES, VOA relay, 1/20, 1717 in EG w/live coverage of Bush inauguration. QRM unid 6105, USSR 6115. (Park-HI)

6115 EAST GERMANY, Stimme der DDR, 1/7, 0325-0410 in GM w/vcls, ID 0330, nx, ID, rock mx for half hr. 5+1 TP 0400, ID, nx, OK sig until unid station s/on 0400. (D'Angelo-PA)

6115 MEXICO, R. Univ. de Sonora, 1/24, 0631 w/full ID, phone no., studios at the library! Exc. YL DJ. (Eckman-CA)

6120 CANADA, R. Japan via Sackville, 1/17, 1111 in EG w/nx, cmtry, more cmtry. (Cooper-CT)

6120 USSR, R. Moscow, 1/3, 0058 in CH w/IS, ID after nx. (Schulze)

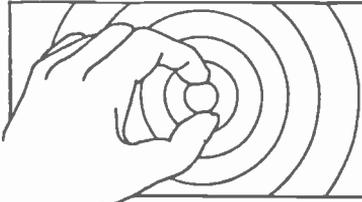
6135 SWITZERLAND, SRI, 1/8, 0400-0430 in EG w/nx, sports, "Swiss Shortwave Merry-go-Round." (Becker-NY)

6170 ABU DHABI, Vo of UAE, 12/28, 0159-0201* in AR w/ID, short bit of NA and off. (Schulze-FRG)

6180 CYPRUS, BBC relay, 1/2, 0700-0730* in EG w/world nx, "24 Hours." (Dillon-GREECE)

6185 USA, WRNO, 1/14, 0400-0445 w/mx, "World of Radio." (Becker-NY)

6195 ENGLAND, BBC, 1/1, 1600-1700 w/world nx, "Nx abt Britain," "Letter from America." (Dillon-GREECE)



LOG REPORT

section D

11700 and above

Editor: Wallace C. Trolbel, 357 N.E. 149 St., Seattle, WA 98165

- 11695 BELGIUM BRT in EG 0800*, "Radio World", req propagation rpts (Cooper CT 1/23)
- 11700 DOMINICAN REPUBLIC R. Clarin in SP 2250, L. Am. mx, nx, ID (Tuchscherer WI 1/25)
- 11705 CYPRUS BBC relay in RS *0440, IS, ID, BBC theme, pips, nx, g (Sheedy CA 1/26)
- 11715 MALI R. Beijing relay in EG 0337, cmtry on African matters (Levison PA 1/28)
- 11720 BULGARIA R. Sofia in EG 0030, cmtry, mailbag pgm, g (Levison PA 1/11) in EG 0730*, nx, fashion and Bulgarian folk art (Cooper CT 1/23)
- 11731v NO. KOREA R. Pyongyang in EG 2310, nx, down 4 khz from normal (Sheedy CA 1/27)
- 11735 URUGUAY R. Oriental in SP 2315, ID, sports, OK with Pyongyang off fqy (Sheedy)
- 11760 PHILIPPINE IS. VOA relay in EG 2200, nx mostly Asian items (Tuchscherer WI 1/23)
- 11775 TAIWAN(t) CBCS in CH 1810, long tlks, CH mx & opera, ID, p (Dillon GREECE 1/15)
- 11775 SPAIN REE in SP 2330, political tlk on Spain, features, ID, f (Sheedy CA 1/27)
- 11785 ANTIGUA Deut. Welle relay in SP 0158*, IS, ID, fqys, nx, g (Park HI 2/5)
- 11785 EAST GERMANY R. Berlin in EG 0307, cmtry on various subjects (Levison PA 1/28)
- 11788 INDONESIA VOI Jakarta in IN 0232, mx, ID, g, //15150 (Hart MALAYSIA 1/1)
- 11800 ITALY RTVI in Somali 0515, Simon & Garfunkel, ID, class mx, f-g (Trotto FL 1/7)
- 11820 CUBA RHC in SP 0105, world nx, ID, cmtry on Angola, g (Sheedy CA 1/19)
- 11830nf BRAZIL R. Anhanguera in PT 0040, clear after Pyongyang close at 0042, ID, jingle mentioned Goiania, f-p (Sheedy CA 1/28) ED: WRTH lists R. Araguaia. Fgy swap??
- 11840 PORTUGAL RDP in PT 0052, PT pop mx, nx promo, ID, g, //9705 (Sheedy CA 1/19)
- 11860 INDIA AIR in FR 1843, IS, xmsn to Africa, audio intermittent, p (Lackmann VA)
- 11860 ASCENSION IS. BBC relay in EG 0733, Afro nx, "Postmark Africa", f (Park HI 2/5)
- 11870 JAPAN RJ in EG 0530, profile of Emperor Hirohito, somber mx, f (Trotto FL 1/7) in EG 0535 w/ cmtry on Japan-USSR relations, f (Roupe WV 12/24)
- 11880 SPAIN REE in EG 0030, "DX Spot" pgm (Becker NY 1/9)
- 11915 LIBERIA VOA relay Monrovia in EG 0605, nx, "Daybreak Africa", f (Sheedy CA 1/16)
- 11915 SEYCHELLES FEBA in AR 1900, IS, ID, celeste mx, g (Lackmann VA 1/24)
- 11935 JAPAN RJ in HD 1550, lessons in JP, into Urdu 1600, p (Park HI 1/16)
- 11938 KAMPUCHEA VOPK in EG 1208-1213*, nx, ID, vg (Hart MALAYSIA) in Thai 0030, NA, ID, short mx bridge, tlks, local mx w/native instruments (Schulze W. GERM. 1/9)
- 11940 ROMANIA R. Bucharest in EG 0417, mailbag (Frodge MI) in EG 1500, nx, cmtry, letters, oil rigs, the usual, f (Eckman CA 1/12)
- 11940 UNITED ARAB EMIRATES R. Dubai in EG 0340-0359*, "Eternal Jerusalem" (Carlsen)
- 11955 JORDAN RJ Amman in EG/AR 0513-0703, ID, TC, wx, soul & AR mx, g (Jordan PA 2/5)
- 11965 UNITED ARAB EMIRATES Abu Dhabi in EG 2220, nx, cmtry, AR mx (Purdue MN 1/8) in EG 2254, editorial page, "Shaping of Modern Arab Thought" (Becker NY 1/8)
- 11980 GUAM Adven. World R. in EG 1617, drama, ID, address, mx (Tuchscherer WI 1/27)
- 11983v ALBANIA R. Tirana in IN (per WRTH) *1430, IS, NA, ID, sked, tlk (Jordan PA 1/23)
- 12005 TUNISIA R. Tunis in AR 1525, tlks, ID, patriotic mx, vg (Dillon GREECE 1/14)
- 12015 MONGOLIA R. Ulan Bator in Mong 1059, IS, pips, ID in lang (Streitmatter IN 1/25)
- 12035 SWITZERLAND SRI in EG 0425, concertina mx, sked, into GM 0430 (Frodge MI 1/13)
- 12095 UNITED KINGDOM BBC in EG 0358, mx by the "Piquot Club Eskimos", theme, pips, ID, "Newsdesk", f (Park HI 2/8) in EG 1645, world nx, cmtry, g (Dillon GREECE 1/16)
- 13650v NO. KOREA R. Pyongyang in EG 2307-2349*, nx, lcl mx, ID, NA (Alexander PA 1/26)
- 13663v COSTA RICA R. for Peace Intl. in EG 0135, pgm on stress mtg (Becker NY 1/12)
- 13670 SO. KOREA RK in FR 0630, theme mx, ID, sked, nx, p w/ute QRM (Park HI 2/8)
- 15070 UNITED KINGDOM BBC in EG 1600, world nx, "Sports World" (Dillon GREECE 1/2)
- 15084 IRAN VOIRI in Farsi 1035, tlks abt Palestinians, patriotic mx (Dillon 1/15) f
- 15120 SRI LANKA SLBC in EG 1048, nx, ID, abruptly off 1051, back on 1100 in JP (Park)
- 15125 GUAM Adven. World R. in lang? 2134-2200*, hymns, ID in EG (Tuchscherer WI 1/16)
- 15135 UNITED ARAB EMIRATES Abu Dhabi in AR 1245-1300*, nx(p), martial mx, tlks, fqy, ID and annmcs at s/off, SRI s/on at 1300 (Jordan PA 1/12)
- 15140 AUSTRALIA RA in EG 1524, tlks, folk mx, singing ID, f-g (Trotto FL 1/27)
- 15155 INDIA AIR in EG 1023, pgm of wizul mx, ID, "Touring India's Cities" (Park 1/11)
- 15171 SOCIETY IS. RFO Papeete in FR 0335, beautiful island mx, f-g (Levison PA 1/10)
- 15185 BRAZIL Deut. Welle relay in SP 0040, mx, ID, sked, ID in GM, IS, g (Sheedy CA)
- 15200 GABON Africa #1 in FR 2100, nx, now hrd on this fqy after 1700 (Lackmann VA 2/2)
- 15215 ALGERIA RTVA in EG 1915, nx, pop rock, ID, f-p (Jordan PA 1/24)
- 15260 CANADA RCI in EG 1820, nx, DX pgm, Afr svce (Jordan PA 1/3, Cooper CT 1/27)
- 15270 ECUADOR HCJB Quito in EG 2129, ID, TC, pips, "Ham Radio Today", p (Park HI 1/4)
- 15290 PHILIPPINE IS. VOA relay in EG 2306, nx, ID (Rugg QUEBEC-Nun's Island 1/30)
- 15295 MALAYSIA VOM in Malay 1024, IS, into Mandarin 1030, p (Lackmann VA 1/30) NOTE: WRTH 89 incorrectly has changed freq listing to 15285. Still on 15295 as before.

15300 SEYCHELLES FEBR in AR 0342, IS, ID, annct, relig pgm, f (Park HI 2/6)
 15335 ROMANIA R. Bucharest in EG *0645, IS, ID, sked, into nx (Sheedy CA 1/19)
 15345 NETHERLANDS ANTILLES TWR in EG 1235, "Weekend" (Becker NY 1/21)
 15365 FRANCE RFI in EG 1245, feature on 200th anniversary of FR revol (Frodge MI 1/1)
 15365 SOUTH AFRICA RSA in FR 0600, pgm on Ladysmith Black Mazambo, g (Sheedy CA 1/16)
 15400 ASCENSION IS. BBC relay in EG 0754, "Waveguide", promo, ID, nx, f (Park HI 1/29)
 15425 AUSTRALIA ABC Perth in EG 0853, TC, ID, patter, 4 Aces tune, f (Park HI 1/15)
 15450 LIBYA R. Jamahiriyah HS in AR 1435, AR mx, chimes 1500, nx, ID (Dillon GREECE)
 15465nf PHILIPPINE IS. R. Veritas in lang 1615-1630*, IS & complete summary of pgms in EG at s/off (Treibel WA 2/7) ED: Must be a move from 15460 rptd last month
 15495 KUWAIT RK in AR 1535, monolog, AR mx, interludes, g (Dillon GREECE 1/4)
 15550 CHINA CPBS Beijing in CH 0159, class mx, pips, ID, nx, f-g (Trotto FL 1/13)
 15560 NETHERLANDS ANTILLES RN relay in EG 2044, "Newsline for Africa", p (Park HI 1/5)
 15615 ISRAEL Kol Israel HS in HB 1300, tlks, ID (Frodge MI 1/1)
 15670 CHINA CPBS Kuming in Tibetan? *0000-0025*, //10260, 11375 (Roupe WV)
 17558 ICELAND ISBS Reykjavik in IC 2308-2333*, tlk, 9-note mx at s/off (Alexander PA)
 17575 ISRAEL Kol Israel in RS 1359, pips, ID, nx, orch mx, vocals, f (Jordan PA 1/8)
 17715 AUSTRALIA RA in EG 0737, "Communicator", K. Glover w/anncts, f (Park HI 2/5)
 17745 ALGERIA RIVA in SP 2030, ID, AR & SP mx, off 2100, //9509 (Swaringen NC 1/2)
 17745 SOUTH AFRICA RSA in FR 1934-1956*, pop mx, lang lesson, ID (Tuchscherer WI 1/26)
 17750 AUSTRALIA RA in EG 0012, int'l nx, ID, pop mx, //17795 (Rugg QUEBEC 1/26)
 17770 OMAN R. Oman in AR 0220, Qu'ran reading, ID, tlks, f (Park HI 2/3)
 17805 ROMANIA R. Bucharest in EG 0645*, nx, "Listener's Club" (Cooper CT 2/2)
 17810 JAPAN RJ in JP 0848, coverage of Sumo tournament - Day 4, f (Park HI 1/12)
 17815 BRAZIL R. Cultura in PT 0217, instrum & vocal mx, tlks, ID (Rugg QUEBEC 1/18)
 17825 JAPAN RJ in EG 0110, bulletin on Hirohito's death, cancel pgms (Trotto FL 1/7)
 17845 SPAIN REE in SP 1713-1755, pop mx, nx, dialogue, ID 1721 (Tuchscherer WI 1/18)
 17865 UNITED ARAB EMIRATES R. Dubai in EG 1605, cmntry, mx, nx, g (Levison PA 1/21)
 21455 WEST GERMANY R. Liberty in AZ 1520, political tlks, ID, vg (Dillon GREECE 1/4)
 21540 EAST GERMANY RBI in EG 1425, mx, sked, fqys, addr, IS, into HD 1430 (Dillon 1/2)
 21550nf ROMANIA R. Bucharest in EG 0650, nx, tlk, mx, f-g (Hart MALAYSIA 1/13) in EG 1315-1356*, "Friendship and Cooperation", folk mx, letter box, vg (Jordan PA)
 21570 SWEDEN RS in EG 1230, "Sweden Calling DX'ers", annct fqy changes (Hart MALAYSIA)
 21575 SPAIN REE in SP 1820-1900*, tlks, class guitar, ID's, skeds (Jordan PA 1/28)
 21580 FRANCE RFI in FR 1435, rock mx, tlks, ID, g (Dillon GREECE 1/2)
 21590 SOUTH AFRICA RSA in EG 1450, soul mx, DJ, ID, TC, "Africa Today" (Dillon 1/2)
 21630 SWITZERLAND SRI in EG 1535, nx, "Dateline", //13685 (Tuchscherer WI, Dillon)
 21640 UNITED KINGDOM BBC in multi-langs 1210-1415, xmsns in RS, Hausa, FR (Jordan PA)
 21680 MALTA Deut. Welle relay in EG 1616, class mx, tlk re opera, f (Sampson WI 1/8)
 21700 NORWAY RN in NO 1410-1445*, sports, tlks, piano mx, ID in EG (Jordan PA 1/26)
 21700 UNIDENTIFIED Relig. pgm in EG 1605-1625. Maybe test xmsn for WSHB (Jordan 2/5)
 21735 UNITED ARAB EMIRATES Abu Dhabi in AR 1355, AR mx, nx, prayers (Jordan, Dillon)
 21840nf USA WHRI Indiana in EG 1515, new freq w/pop mx & ID (Tuchscherer WI 1/27)
 25790 SOUTH AFRICA Radio 5 in EG 0828, DJ & pop mx, TC, ID, ads, p (Park HI 1/5)
 25820 FRANCE RFI in FR 1333, M w/cmntry & ID, white noise, f (Frodge MI 1/1)

 There's room for USSR loggings so I'll list them as a group in frequency order below:

12000 R. Mayak in RS 1340, orch & class mx, f-g (Roupe WV 12/26)
 13645 R. Kiev in EG 0032, cmntry, mailbag (Levison PA) 0300, IS, ID, nx (Tuchscherer)
 13645 R. Yerevan in EG 0352, ID 0353 "This is Yerevan", ment earthquake (Swaringen NC)
 15140 R. Moscow (Dushanbe) in EG 0347, "New Market Commentary" (Frodge MI 1/13)
 15150 R. Moscow in EG 0805, world nx, "News & Views" (Cooper CT 2/1)
 15180 R. Kiev in EG 0301, nx, tlk abt poet, Ukraine lang, DX pgm, g (Sampson WI 1/8)
 15200 R. Moscow in EG 0351, "New Market Commentary", //15140, f (Frodge MI 1/13)
 15225 R. Moscow (Plovdiv) in EG 1240, ezl mx from USSR, Finland, Italy (Frodge 1/1)
 15455 R. Tashkent in EG 1350, tlk re Afghanistan & India, g (Roupe WV 12/25)
 15480 R. Moscow in EG 0355, "Inside Report", promo, sked, //15140 (Frodge MI 1/13)
 15520 R. Moscow RP&P in EG 1400, tlk re Middle East & So. Africa, f (Roupe WV 12/25)
 15540 R. Moscow in EG 1303, nx, QRM from sta in AR on 15545?, f, //15595 (Frodge MI)
 15585 R. Rodina in RS 1440-1459*, tlks, piano mx, fqys, ID, g (Jordan PA 1/23)
 15585 R. Moscow in RS 1340-1425, tlks, rpts, remotes, mx, nx, g (Jordan PA 2/3)
 15595 R. Moscow in EG 1303, nx, //15540, p (Frodge MI 1/1)
 17675 R. Moscow in EG 0833, pgm disc cultural glasnost, //17570, 17580 (Park HI 1/12)
 17850 R. Moscow in EG 1432, "Inside Report", SP mx, co-channel QRM DWelle (Sampson WI)
 21615 R. Moscow in EG 0700, nx, ID, vg, //21635, 21690 (Hart MALAYSIA 1/13)
 21725 R. Moscow in EG 1335, Audio Book Club, ID, world nx, cmntry (Dillon GREECE 1/8)

 Remember, the most useful contributions to these columns are frequency changes, new stations, and hard-to-catch loggings. Also, please cut loggings into individual slips

Thomas R. Sundstrom	:	Telex:	6502446376MCI UW
PO Box 2275	:	MCI Mail:	244-6376
Vincentown	:	The Source:	BCF811
NJ 08088-2275	:	Compuserve:	(send via MCI Mail)
Voice: 609-859-2447	:	Packet Radio:	W2XQ @ WB2MNF
Fax: 609-859-3226	:	Pinelands RBBS:	609-859-1910

A fax machine is now available for your use. A Murata F30 capable of normal, fine, superfine and grayscale resolution and compatible with CCITT Group 3, 2 and FM facsimile is on a dedicated telephone line. If you have schedules or other information for the column or wish to contribute loggings for the ANARC SWL Net via fax, feel free to transmit them at any time.

Special thanks to John Carson of Norman, OK, this month. John sent along an good introductory article on propagation by Stanley Leinwoll (Radio Electronics, Feb 89) schedules from HCJB, Radio for Peace, Finland, and a LW-MW list of Morocco stations.

Nick Terrence of Bayshore, NY, has been sending loggings via the fax unit. He also sent a copy of the February 20, 1989, Insight article titled "A New Wave in World Band Radio." Unfortunately the article mostly quotes Larry Magne who is enthralled with his creation. The article summary states that "Shortwave has a new name, world band...". That is an opinion shared by the few editors of PWBR and I resent this meaningless term being constantly thrown up in my face. What happened to the term "shortwave listener" or "international broadcast listener"? This foolishness must stop. Look up "shortwave" and the other term in a dictionary and tell me what you find. The article has other serious flaws, not the least of which is a demographic profile of the new listener: "... about 80 percent male, well-educated and 40 and older, with incomes of \$45,000 or more." Where the h--- did that come from? ANARC staff clearly have a mission to respond to the Insight article and set the record straight, and ensure that other general-interest publications "get it right."

Notes in no particular order: Iraq sometimes puts the NA program on late, noted several evenings as late as 0255; 7280 to Ind/Pak has lots of VOA interference. Albania has moved off 7065 at 0230, keeping 9760, but bandscanning 49, 41-42, 31 and 25m turns up no other parallel. Radio Sofia at 2230-2330 and 0000-0100 is now on 11720, replacing 11950, with 9700 remains in parallel. HCJB, Ecaudor, announced 2-18-89, English broadcast frequency changes include to the Americas 0030-0130 on 15250 (ex-11910), adding 9610 to Eu 0645-0830 and adding 21470 to Eu at 19-22 UT. All the DX Partyline/Ham Radio Today shows move to 0200 from 0230 UT. The V of Greece 1500-1550 moved to a new frequency of 17580 (ex-17565), 15630 and 11645 remain in parallel. News is retimed to 1530-1538 UT. At 1920, 9905 appears to replace 6225 (I cannot hear the latter), parallel to 7430. Announced 2-19, R Japan English language schedule changes effective March 5 are: GOS 01 17835 (ex-15195), 03 17835 (ex-15195), 14 15410 (ex-11935), 15 15140 (ex-15230) and 9505 (ex-5990), 17 11705 (new), 19 11850 and 11705 (both new), 21 all 4 frequencies replaced with 17890, 15270, 15230, 11815. Regional services: NA 01 17880 (ex-11905), Aus/NZ 09 17890 (ex-11885). From April 5, add CA 03-0330 15325 v Fr Guiana.

Changes entered between 01/26/89 and 02/24/89.

ENGLISH LANGUAGE SB BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2XQ

Start Time (UTC)	Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0100	Bulgaria	R Sofia	11720	9700							NR/W Eu		02/18/89
0000	0030	Norway	R Norway	11850								NR/OA/Aus/S As	Eng Mon only	02/04/89
0030	0130	Ecuador	HCJB	15250								Americas		02/18/89
0030	0125	Netherlands	R Nederland	15315	6165	6020						EM4 (eff 3/25/89)	15315,6165 v Bonaire	02/04/89
0035	0500	Ecuador	HCJB	15155	11775	9720						NA		02/18/89
0100	0200	Japan	R Japan	17845	17835	17810	15195					60S/Asia/NA	17835 -0130	02/20/89
0130	0200	Philippines	R Veritas Asia	15365	15275							As		02/20/89
0145	0330	New Zealand	R New Zealand	17705	15150							Pac/Aus/Melanesia	Sat only	02/24/89
0200	0215	Vatican State	Vatican Radio	9650	7125	6145						SE As/India/Pak		02/04/89
0230	0300	Albania	R Tirana	9760								NA		02/20/89
0300	0350	Fed Rep Germany	R Deutsche Welle	9700	9605	9545	6185	6130	6085	6010		NA	9700 v Malta	02/05/89
0300	0330	Japan	R Japan	21610	17835	17825	17810	17765	11905	11870	9645	60S/Asia/NA	31a Gabi,49a Can	02/20/89
0330	0400	Japan	R Japan	17835	17810	17765	5940					60S/Asia/NA	49a Can	02/20/89
0330	0425	Netherlands	R Nederland	9590	6165							NA	v Bonaire	02/04/89
0330	0730	New Zealand	R New Zealand	17705	15150							Pac/Aus/Melanesia		02/24/89
0330	0400	United Arab Emirates	R Dubai	17795	15435	11940	9640					NA		02/24/89
0400	0430	Norway	R Norway	15175	9650							ME/E Afr/NA	Eng Mon only	02/04/89
0500	0700	Ecuador	HCJB	11775	9720	6230						NA		02/18/89
0500	0600	Japan	R Japan	17810	17765	15270	11870	5990				60S/As/NA/Oceania		02/18/89
0500	1415	Jordan	R Jordan	11955								NA		02/18/89
0500	0530	Norway	R Norway	15175	15165							NA/Afr/ME	Eng Mon only	02/04/89
0530	0600	United Arab Emirates	R Dubai	21700	17865	15435	11730					Far E/Aus/As		02/24/89
0645	0830	Ecuador	HCJB	11835	9610							Eu	Sat-Sun 0700-0630	02/18/89
0700	1030	Ecuador	HCJB	11925	9745	6130						S Pac		02/18/89
0715	0730	Vatican State	Vatican Radio	17730	15190							Africa		02/04/89
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21600	17875	17760	11945	11785	9650	6160	60S/As/NA/Oceania Afr		02/05/89
0900	1000	Japan	R Japan	17890	17810	15270	11840					60S/As/Oc		02/20/89
1000	1100	Fuam	KSDA	13720	11980							As	Eng 1000-1030	01/29/89
1000	1205	New Zealand	R New Zealand	11780	9850							Aus/Melanesia		02/24/89
1000	1030	Norway	R Norway	25730	21705	15235						Afr/Eu/FarE/AusNZ	Eng Sun only	02/04/89

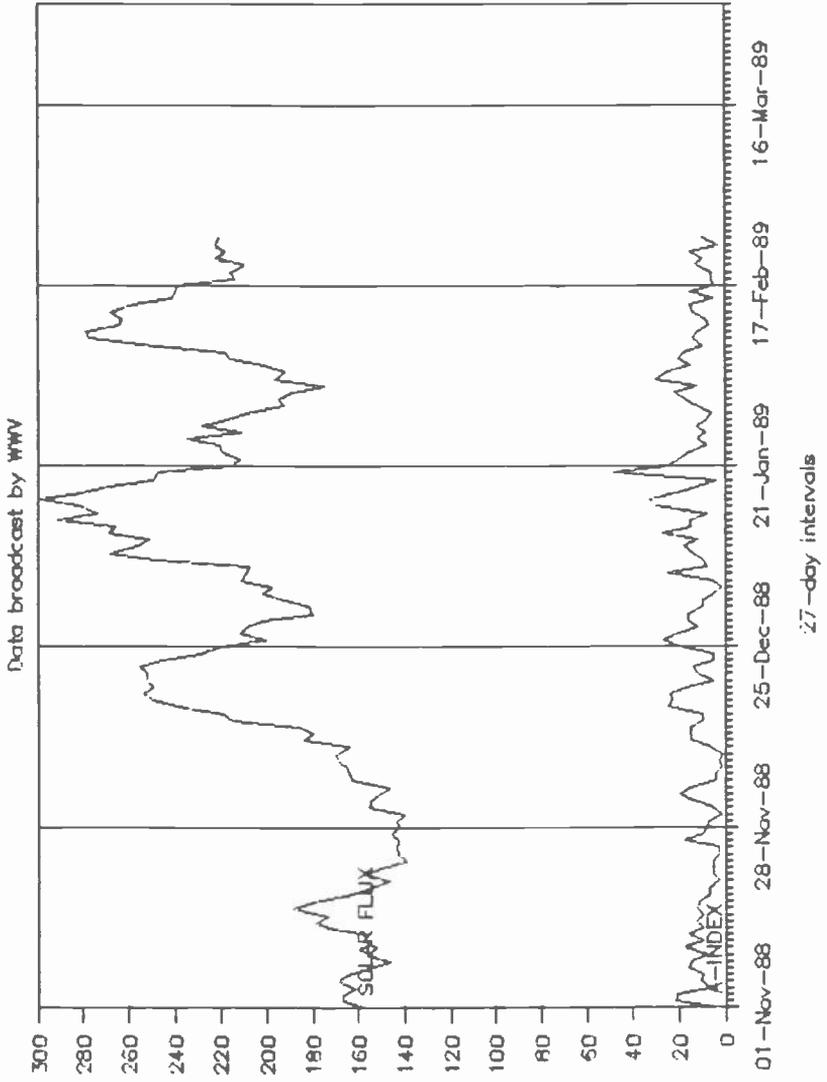
1030	1130	Ecuador	HCJB	11925	6130	S Pac	02/18/89
1100	1400	Buae	KSDA	13720	11980	As/Indonesia	01/29/89
1130	1200	Ecuador	HCJB	11740		Americas	02/18/89
1130	1225	Iran	R Tehran	11790	9685 9520 7230	ME	02/04/89
1200	1600	Ecuador	HCJB	17890	15115 11740	Americas	02/18/89
1200	1215	Vatican State	Vatican Radio	21485	17865 17840 15190	Afr/Aus/NZ	02/04/89
1300	1300	Sweden	R Sweden	21570	17815 15190	As/Pac	02/20/89
1300	1330	Norway	R Norway	21705	17780 9590 6035	Aus/NA/CR/S As/Eu	02/04/89
1330	1400	United Arab Emirates	R Dubai	21605	17865 15435 11730	Eu/Afr	01/29/89
1400	1700	Buae	KSDA	13720	11980	As/India	01/29/89
1400	1500	Japan	R Japan	15410	11815 7140	BOS/As/Aa	02/20/89
1400	1430	Norway	R Norway	25730	21705 17780 15190	Af/Eu/Aus/S As/ENA	02/04/89
1400	1430	Sweden	R Sweden	21615	17810 15345	NA/As/Pac	02/18/89
1415	2200	Jordan	R Jordan	9560			02/20/89
1445	1500	Vatican State	Vatican Radio	11740	9645 7250 6248		02/04/89
1500	1600	Japan	R Japan	21700	15140 11815 9505 7140		02/20/89
1500	1515	Vatican State	Vatican Radio	17870	15090 11960	SE As/India/Pak	02/04/89
1530	1538	Greece	V of Greece	17580	15630 11645	MA	02/20/89
1530	1600	Sweden	R Sweden	17810	15330 15240	As/Pac/E Afr	02/20/89
1600	1630	Norway	R Norway	25730	21705 15285	Af/NE/WNA/S As	02/04/89
1700	1730	Japan	R Japan	11815	11705 9505	BOS/As/Aa	02/20/89
1700	1730	Norway	R Norway	21705	15220 9655	NA/Afr/Eu	02/04/89
1830	2105	New Zealand	R New Zealand Int'l	15150	11780	Pac	02/24/89
1900	2000	Ecuador	HCJB	21470	17790 15270		02/18/89
1900	1930	Japan	R Japan	11850	11705 9505	Eu	02/20/89
1900	1930	Norway	R Norway	21705	15220 9390	BOS/Am/OC	02/20/89
1920	1930	Greece	V of Greece	9905	7430	Af/Eu	02/04/89
2000	2030	Norway	R Norway	17780	15310	Eu	02/24/89
2050	2110	Vatican State	Vatican Radio	9645	7250 6190	SA/Eu/Af/ENA/CA	02/04/89
2100	2150	Fed Rep Germany	R Deutsche Welle	11785	9765 9650 7130	Aus/As	02/05/89
2100	2130	Japan	R Japan	17890	15270 15230 11815	BOS/As/OC	02/20/89
2130	2200	Bulgaria	R Sofia	11735	9700 7115	Eu/WNA	02/18/89
2130	2200	Ecuador	HCJB	21470	17790 15270	Eu	02/18/89
2200	2230	Norway	R Norway	15265	15180	W Afr/SA	02/04/89
2200	2230	USSR	R Stn Peace & Progress	7360	7250 6145	Eu	02/20/89
2205	2225	Vatican State	Vatican Radio	11830	9615 6015	Aus/NZ	02/04/89
2230	2330	Bulgaria	R Sofia	11720	9700	NA/W Eu	02/21/89
2300	2400	Japan	R Japan	15230	15195 11815 11810 11800	BOS/As/Eu/NE/Af	02/20/89
2300	2330	USSR	R Vilnius	15455	15180 13645 9765 7400	MA	02/22/89
2330	0000	Albania	R Tirana	9760	6085	NA	02/11/89
2345	0145	New Zealand	R New Zealand Int'l	17705	15150	Pac/Aus/Melanesia	02/24/89

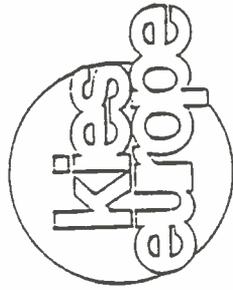
Changes entered between 01/28/89 and 02/24/89.

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2IQ

Shortwave DX Program	Show Name	Start Time	Line	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
** DAY OF THE WEEK: Sunday															
DX Party Line	0200	0035	Ecuador	HCJB	15155	11775	9720						NA		02/18/89
DX Asiawaves	0230	0200	Buac	KSDA	17865	15225							As		02/05/89
Bonaire Wavelength	0330	0210	Netherlands	Trans World Radio	11930								NA		02/19/89
DX Party Line	0630	0500	Ecuador	HCJB	11775	9720	6230						NA		02/18/89
DX Asiawaves	2330	2200	Buac	KSDA	15125	11700							As/SE As		02/05/89
** DAY OF THE WEEK: Monday															
DX Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130						S Pac		02/18/89
DX Asiawaves	1030	1000	Buac	KSDA	13720	11980							As		02/05/89
** DAY OF THE WEEK: Tuesday															
DX Party Line	0200	0035	Ecuador	HCJB	15155	11775	9720						NA		02/18/89
Sweden Calling DXers	0305	0200	USA	WHR1	9495	7520							Eu/CA/SA	R Earth repeat	02/20/89
SW Merry-60-round	0320	0200	USA	WHR1	9495	7520							Eu/CA/SA	R Earth repeat	02/20/89
DX Party Line	0630	0500	Ecuador	HCJB	11775	9720	6230						NA		02/18/89
** DAY OF THE WEEK: Thursday															
Haw Radio Today	0200	0035	Ecuador	HCJB	15155	11775	9720						NA		02/18/89
Haw Radio Today	0630	0500	Ecuador	HCJB	11775	9720	6230						NA		02/18/89
** DAY OF THE WEEK: Saturday															
DX Party Line	0930	0700	Ecuador	HCJB	11925	9745	6130						S Pac		02/18/89
Bonaire Wavelength	1145	1110	Netherlands	Trans World Radio	15345	11815							NA		02/05/89
DX Asiawaves	1630	1400	Buac	KSDA	13720	11980							As/India		02/05/89
World of Radio	2100	2100	Costa Rica	R for Peace	21560									delayed	02/18/89

SOLAR FLUX & A-INDEX: 11/88-3/89





Kentucky institute for European studies



MOREHEAD, KENTUCKY 40351

MOREHEAD STATE UNIVERSITY and the KENTUCKY INSTITUTE FOR EUROPEAN STUDIES will be offering a special college credit course in

INTERNATIONAL BROADCASTING this Summer for six weeks in BREGENZ, AUSTRIA. Students will have an opportunity to

view and hear local broadcasts from Austria, Germany, Switzerland, and other countries. There will be tours through the broadcasting facilities of these countries.

In addition, the group will have a chance to go behind the "IRON CURTAIN" and visit the city of BUDAPEST, HUNGARY and tour the facilities of RADIO BUDAPEST and HUNGARIAN TELEVISION.

SIX CREDIT HOURS---ROUND TRIP AIRFARE---TWO MONTH EURAILPASS---
--SIX WEEKS Room and most meals--PLUS TWO ADDITIONAL WEEKS

to travel throughout Europe with the Eurailpass on your own!

FOR FURTHER INFORMATION CONTACT: DR. MICHAEL BIEL, ASSOCIATE PROFESSOR
MOREHEAD STATE UNIVERSITY, UPO 893
MOREHEAD, KENTUCKY 40351
(606) 703-2794, 703-2134, 784-8404

NORTH AMERICAN SHORTWAVE ASSOCIATION

45 Wildflower Road
Levittown, Pennsylvania 19057

FIRST CLASS MAIL
U.S. POSTAGE
PAID
Levittown, PA
Permit No. 319

FIRST CLASS MAIL



NASWA

"UNITY AND FRIENDSHIP"

PUBLISHES **FRENDX** MONTHLY

NASWA MEMBERSHIP FEES:

- First Class North America \$18.00
- Overseas - Surface Mail \$18.00
- Airmail to Central America, Caribbean, Venezuela and Colombia ... \$25.00
- Airmail to South America and Europe \$27.00
- Airmail to Asia, Africa and Pacific \$30.00

All remittances must be in U.S. Funds and mailed to:

NASWA, 45 Wildflower Road, Levittown, PA 19057, U.S.A.



Besides **FRENDX**, NASWA also publishes **DXtra** ... a mid-month newsletter with the very latest DX news while it's still news. It is available only to NASWA members:

DXtra SUBSCRIPTION RATES PER YEAR:

- North America (First Class) \$4.00
 - Overseas (Airmail) \$6.00
- Sample copies of **FRENDX** and **DXtra** are available for:
- North America \$1.00
 - Overseas \$2.00

- EXECUTIVE DIRECTOR** — R. Charles Rippel, 1272 Parkside Pl, Virginia Beach, VA 23454
- PUBLISHER & BUSINESS MANAGER** — Bill Oliver, 45 Wildflower Rd, Levittown, PA 19057
- CONTACT** — Steven G. Moye, 178 Bartlett Ave., Cranston, RI 02905
- EASY LISTENING** — Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607
- DXERS FORUM** — Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613
- TECHNICAL TOPICS** — Ted Benson, 14705-B Watsonville Rd, Morgan Hill, CA 95037
- LISTENERS NOTEBOOK** — Glenn Hauser, Box 1684, Enid, OK 73702
- OSL REPORTS** — Sam Barto, 47 Prospect Place, Bristol, CT 06010
- DXTRA** — Bob Hill, 15 Stirling St., Andover, MA 01810
- DISTRIBUTING EDITOR** — John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545
- LOG REPORT A** — Bob Brown, 238 Cirticklewood Circle, Lansdale, PA 19446
- LOG REPORT B** — Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220
- LOG REPORT C** — Jerry Irvine, P.O. Box 5204, Hidalgo, TX 78557
- LOG REPORT D** — Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155
- ENGLISH SCHEDULES** — Tom Sundstrom, P.O. Box 2275, Vincentown, NJ 08088
- SCOREBOARD** — Jerry Lineback, 3959 Castle St, Douglasville, GA 30134
- AWARDS PROGRAM** — John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545
- COUNTRY LIST** — Don Jensen, 5204 70th St., Kenosha, WI 53142