

FRENDX

English

Latin America

Monday - Friday
As It Happens* 0200-0300 9535 9755 11845
11940

Saturday
News, sports, weather, SWL Digest, Music Spot, Innovation Canada 0100-0200 9535 11845 11940

Sunday
News, sports, weather, Listeners' Corner 0100-0200 9535 11845 11940

Caribbean

Monday - Friday
News, sports, weather 0930-0940 5960 9755 930A

World Report* North Country, sports, weather, stockmarket 1300-1400 17820

News, sports, weather, Spectrum 2300-2330 9755 11730 930A

Saturday
News, sports, weather, Innovation Canada 2300-2330 9755 11730 930A

Sunday
News, Sunday Morning* 1400-1700 17820

News, sports, weather, SWL Digest 2300-2330 9755 11730 930A

United States

Monday - Friday
World Report* North Country, sports, weather, stockmarket 1200-1300 9625 11855
1300-1400

World at Six* 2200-2230 5960 9755

As It Happens* 0000-0030 5960 9755
2300-0030 5960 9755
0030-0130 5960 9755

Saturday
News, sports, weather, Innovation Canada 2200-2230 5960 9755
0000-0030 5960 9755

News, sports, weather, Coast to Coast 2330-0000 5960 9755
0030-0100 5960 9755

News, sports, weather, SWL Digest, Music Spot, Spotlight on Science 0000-0100 5960 9755
0100-0200 5960 9755

Sunday
News, Sunday Morning* 1300-1600 11955
1400-1700 11955

News, The House (Part 1)* 2200-2230 5960 9755

The House (Part 2)* 2330-0000 5960 9755

News, The House* 0500-0100 5960 9755

News, sports, weather, Listeners' Corner 0000-0100 5960 9755
0100-0200 5960 9755

0100-0200 5960 9755

Central and Eastern Europe

Daily
News, sports, weather, reports/commentaries 1545-1600 9555D 11915S 11935D
15315S 1532S 17820*

News, sports, weather, reports/commentaries 1715-1730 5995D 7235D 1532S
17820

0100-0200 5960 9755

Hong Kong

Sunday
Canadian Journal 0230-0300 1044

A Radio Amiles medium wave relay

D Daventry relay

S Sines relay

1 25 April - 30 Oct

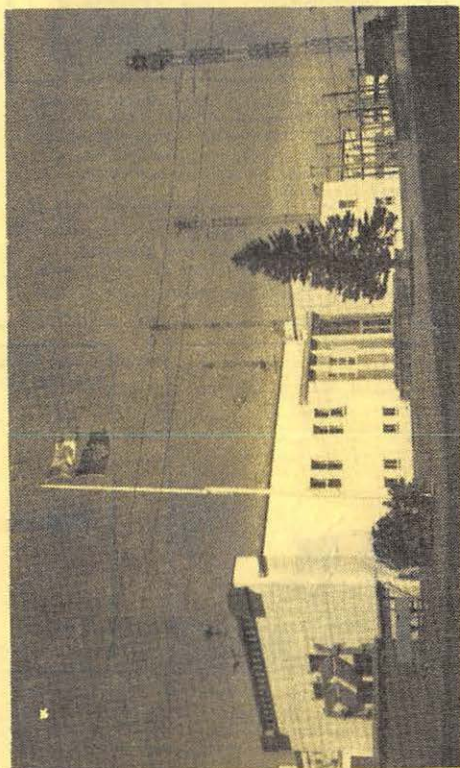
1 31 Oct - 25 March

Subject to change

* For Canadians abroad

(CBC domestic network)

* Monday - Saturday only

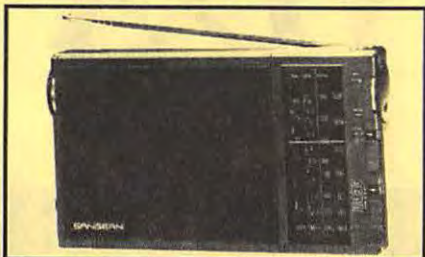


Radio Canada
International

Shortwave Transmitting Station
Sackville, New Brunswick
Station émettrice d'ondes courtes
Sackville, Nouveau-Brunswick

UNIVERSAL SHORTWAVE

Sangean SG-702



You probably will still want to keep your R-5000, but wouldn't a portable be nice? 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, operating instructions and six month limited warranty. Requires just four AA cells or 6VDC adapter (both optional).

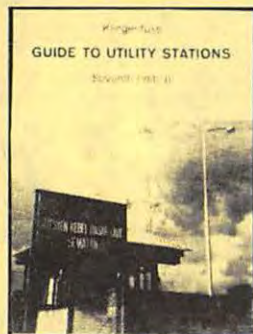
SG-702 List Price\$39.95
 SG-702 Discount Price (On Special)
 Order #1080\$29.95
 Shipping/Handling/Insurance\$4.00

Sony ICF-2003



The ICF-2003 covers 153 - 29995 KHz and FM. A BFO is provided for SSB and CW. Advanced features include: LCD digital readout, keypad entry, ten memories, scan, 12-24 hour clock-timer, LED tuning meter and tone switch. With earphone, carry case, battery case, AN-6 wind-up antenna and SW guide. Requires six AA cells (not supplied).

ICF-2003 List Price\$319.95
 ICF-2003 Discount Price
 Order #2988\$249.95
 Shipping/Handling/Insurance\$5.00



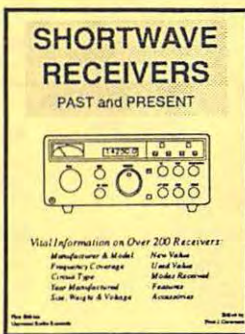
GUIDE TO UTILITY STATIONS '89
 By Joerg Klingenfuss
 Klingenfuss Publications

The best guide to non-broadcast stations in the world. Over 16,200 frequencies with over 3000 call signs. Aeronautical, maritime, military, diplomatic, research, time stations and more. Covers SSB, CW AM and exhaustive RTTY listings including new RTTY modes. (Includes *Guide to World RTTY Stations*). New 7th Edition ©December 1988 482 p.
 Order #0166\$26.95



THE SOVIET MARITIME RTTY DICTIONARY
 By Gary Gorka & Fred Osteman
 Universal Radio Research

The single largest user of Baudot RTTY on shortwave is the vast Soviet maritime fleet. Their RTTY transmissions can be monitored 24 hours a day! With this book you will be able to find, decode and understand this extensive traffic. It will open an entirely new aspect of RTTY monitoring for you. ©1988. 102 p.
 Order #1635\$11.95



SHORTWAVE RECEIVERS PAST & PRESENT
 By Fred Osteman
 Universal Radio Research

A concise guide to over 200 shortwave receivers manufactured in the last twenty years. Gives key information on each model including coverage, display, circuit type, performance, new value, used value, etc. Photos on most models. The *Blue Book* of shortwave radio values. ©1987 104 p.
 Order #2948\$6.95

Please Add \$1 Per Title for Shipping

- Visa, MC, Discover
- Prices are subject to change.
- Full catalog \$1 postpaid

STORE HOURS

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

Serving Listeners Since 1942!

Universal Shortwave Radio

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



From the Executive Director

Chuck Rippel
1272 Parkside Place
Virginia Beach, VA 23454
COMPUSERV- 72571.1046

The April issue of *FRENDX* sees the addition of yet another SWBC outlet coming on the air. The Kingdom of Tonga began to be reported this month. Check this month's *DX'ers Forum* for details. Thus far, it has been a tough catch at best and West Coast members have had the best luck.

From the Executive Director will be taking the place of Contact. In consonance with our efforts to improve both the overall content and utility of *FRENDX*, the purpose of these two columns will be combined to provide members a new type of forum. I extend an invitation to all interested NASWA members to drop me a line concerning hobby or club matters you would like to see addressed. As Steve Moyer did, I will reprint them here on a space available basis. Please feel free to write me at the address appearing on the masthead of *FRENDX* or even better, through EASYPLEX electronic mail on CompuServe. My user ID number is 72571,1046. I would like to hear from you!

I would like to take this opportunity to thank Steve Moyer for the excellent job he did for *FRENDX*. Contact was a column that served the membership of NASWA well and made positive contributions to our hobby.

This month, you will all be given an opportunity to contribute to a new look for NASWA and *FRENDX*. We take pleasure in announcing a contest whose purpose is to obtain a new logo for NASWA. I invite all members, whether they have a graphic arts background or not, to participate in designing a new logo for NASWA. In the March issue of *FRENDX* we made mention of the contest at the top of page 5. Check this month's issue for all the details.

One interesting question that has cropped up from time to time is "who's in charge of what at NASWA?" Certainly not an unreasonable question and one that has fairly simple answers. A brief overview of who does what is in order. Some very general examples of the responsibilities of each group or individual are also given.

The Executive Council is responsible for the overall administration of NASWA. Consisting of Don Jensen, John Herkimer, Glenn Hauser, Jerry Berg and myself, it is the Executive Council that comes into play when there is a crisis or a major decision to be made. Although it may not sound very major, one such decision was to adopt a new logo. The present logo has been our hobby "trademark" for many years and has great sentimental value for many of our members. A decision to change it is major and could not be done without the cooperation and consent of the Executive Council.

The Executive Director is responsible for the "daily" operation and administration of NASWA and serves at the pleasure of the Executive Council. A few concrete examples of my areas of responsibility are: to appoint members to various committees and task forces; receive, digest and forward to the Executive Council for their approval, ideas and concepts for the improvement of NASWA and better club services. Coordinating the promotion of NASWA as a club to the general public is also the responsibility of the Executive Director. Any order filled from Universal Shortwave since last September contained our "Can We Help You?" flier. The concept and implementation of this continuing project is my responsibility. I also coordinate our role within ANARC through our ANARC representative. If there are any questions, comments or suggestions regarding the administration or improvement of NASWA, please contact me, I will be glad to help.

The Editor-in-Chief oversees the *FRENDX* Journal. Not a small task, Dr. Harold Cones is responsible for its content, makeup and editorial staffing. Harold also coordinates the efforts of the Editorial Committee, made up of Rowland Archer, Bob Brown, John Bryant and Richard Arland. These gentlemen look for and suggest plans for future improvements to the *FRENDX* Journal. Some ongoing projects are: establishing a "Graphics Task Force" to implement a graphics concept within *FRENDX* and assisting the editors with including graphics in their columns; updating the New Member Packet so that it is more helpful to our members. The Editorial Committee has created a set of written editorial guidelines which are designed to help editors correctly size their columns and outline and define some basic editorial policies. In short, Dr. Cones has the task of making sure that our printed material contains not only the best information, but looks as presentable as we can make it. If you have any questions or comments on the material appearing in *FRENDX* or the new member packet, contact Dr. Cones. He will be glad to hear from you. I am very confident with the positive progress these gentlemen have made thus far. Their exhaustive efforts will have profound positive effects which *FRENDX* readers will be seeing in the near future.

NASWA has always been unique in that we do not publish a month behind like most other clubs. This puts an extremely heavy work burden on our publisher. But, it gives our members the most timely SWBC information possible. If any one individual has the most physical work to do on a daily basis, it's the Publisher. Bill Oliver handles the renewals and all of NASWA's monetary responsibilities. Among a million other things, he receives the columns from the editors, puts the bulletin together, drops it off at the printer and then mails it upon completion. This tremendous amount of work is done EVERY MONTH!

I honestly don't know how Bill does it all now let alone how he handled the publishing chores along with being Executive Director. If you don't receive your bulletin, or wish to either subscribe or renew your membership, Bill is the one to contact. Bill has been helping NASWA members for years now, and he will be glad to assist you. Use the NASWA address appearing on the masthead of each bulletin. Oh yes, like all NASWA positions this one is unpaid. Bill does this because he loves the hobby and genuinely likes people, take the time to drop Bill a note of thanks now and again, he deserves it!

The individual column editors are responsible to the Editor-in-Chief for the content, format and timely submission of their columns. Our editors volunteer large amounts of time in assembling their columns each month. I urge each member to try and make a contribution to as many of the columns as you possibly can. As a column editor myself, I can tell you it can be very difficult to assemble a column without some member contribution. If as a member you don't have anything specific to contribute, please write one or more of the editors and tell them what subject(s) would be of interest. They will enjoy hearing from you.

It is my intent to spread the responsibilities of NASWA across many shoulders to establish a firm foundation for growth. NASWA is an organization whose purpose is to promote interest in the medium of Short Wave Broadcasting. NASWA, through its monthly Journal *FRENDX*, assists those individuals who have an interest in this communications medium to receive the most benefit from it. NASWA is made up of a broad spectrum of individual interests. There are those members who hold Short Wave Listening and DX'ing as a hobby. There are also members who just as importantly use *FRENDX* as sort of a "TV Guide" to help keep up to date with stations and programs of current interest and also point the way to new ones. It is my philosophy that the concerns and needs of all our members have equal merit and deserve only our best efforts.

It is my hope that every NASWA member can find time to make some level of contribution. Contributing to a column, serving on a task force, volunteering to be a column editor are all noteworthy achievements. However, a seemingly more subtle contribution can be the most important of all; introducing others to the hobby. If each and every NASWA member would introduce just one individual to the medium of Short Wave Broadcasting that member would not only help the hobby, but also introduce that individual to a whole exciting new communications medium.

Enjoy the April issue of *FRENDX*!

Meet our new Distributing Editor, Kris Field-

Before I introduce myself, I'd like to say thanks to John Kapinos for the fine job he's done as the "guest" Distributing Editor for the Log Reports section of *FRENDX*. Kap was doing his usual great job managing the NASWA Awards program and stepped in to help out when John Henault was injured mid last year. My hat's off to you Kap - two jobs well done!

I'm happy to have been selected as the new Distributing Editor. I had the pleasure of meeting both Kap and John Henault last year in Dayton and I hope to maintain the standards they've established. We all know they're both tough acts to follow.

I enjoy all aspects of the shortwave listening hobby but am particularly fond of the stations in Africa and the South Pacific. I have a lovely wife, Elaine, a two year old son Alex, and another child due later this year. To those of you who already know me, Hello; to all the rest, it's nice to meet you!

I won't try to improve upon what already works well so kindly cut your loggings into strips unless otherwise indicated by a specific Log Report Editor. Please keep your handwriting legible and submit your loggings by the 12th of each month. I plan to mail them to the Editors the next day and anything arriving later will have to wait for the next issue. Address your loggings to: Kris W. Field, 431 Babylon Rd., Ambler, PA 19002-2302.

I understand there will be a short transition period while some of the logs go to Kap and some of them come to me. I'll do my best to help keep things moving smoothly so stay tuned and keep the logs coming !! - Kris

DX'ers Forum

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

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

Things are really hopping this month with a fascinating look behind the scenes at shortwave broadcasting in Bolivia, a report on a new country on shortwave from the South Pacific, a bit of intrigue from Zambia, word of a hot new accessory for your receiver, and a story about dialing for QSLs! First, to the South Pacific...

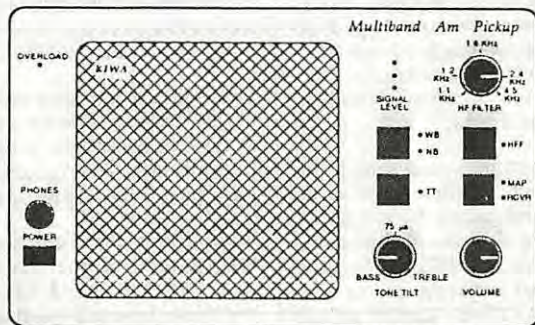
Tonga Tonga Tonga Tonga Tonga Tonga

The South Pacific continues to be a producer of pleasant surprises on the shortwave bands. The latest shortwave station to come on the air from that region is from the 270 sq. mi. island of Tonga, north-east of New Zealand and slightly more than halfway to the Cook Islands. Although Tonga is not listed in the official NASWA Country List, the Kingdom of Tonga is a separate country and would seem a likely candidate to be added to the NASWA list.

The station is on 5030 kHz, relaying the medium wave service of the Tonga Broadcasting Commission. Radio Impacto, Costa Rica, blocks this frequency in most of North America until 0600*. Your best shot at Tonga is from 0600 to 1000*. At 0900 they are scheduled to relay the news in English from Radio Australia. Thanks to John Bryant who called with the tip. Jim Young, winner of last year's North American DX Championship and super mountaintop DXer/Astronomer, was the first known reporter in the US. In Fine Tuning #509, Jim reports that a call to a ham friend in New Zealand revealed that Tonga was coming in better there than the Solomons on 5020. In the same issue, Mitch Sams reports an UNID on 5030 at 0650 on March 4, playing US pops with no announcements, very weak with deep fades. I've yet to detect even a carrier here after Impacto signs off. Go get 'em and good luck!

Like many DX'ers I'm always looking for something to give me an "edge," to make that signal a little bit stronger or more intelligible; turn an SIO 111 into a 222 and I'm ecstatic! Craig Siegenthaler of Kiwa Electronics in Seattle, WA, is about to introduce a gadget that sounds like just what the doctor ordered. It's an

outboard synchronous detector and AF stage called the MAP, or Multi-band AM Pickup. The MAP completely replaces the detector and audio stage of any solid-state receiver with a 455 kHz IF (which means almost all modern



receivers). It connects to the IF stage either through the receiver's IF output jack if it has one, or via microclips to the IF output point on the circuit board. You do not have to modify your receiver to use this, just connect it up.

Most home-use receivers have diode (envelope) detectors which work well but tend to directly pass through the undesirable effects of long distance propagation, resulting in fading and distortion. Synchronous detectors like the MAP can reduce or even eliminate these effects, resulting in superior audio and improved intelligibility. Those of you with Sony 2010's are familiar with the "SYNC" mode of tuning, which is useful for both DX'ing and SWL'ing. The MAP promises better performance than the Sony according to a review by Guy Atkins in The Grayline Report. Craig is still putting together

the production version of the MAP and pricing is not yet final, but you can expect it to be around \$340. If you would like to get an information sheet on the MAP, drop Craig a line at:

Kiwa Electronics
9815 61st South
Seattle, WA 98118

Telephone: 206-722-KIWA

Dene Lynneberg of New Zealand is a long-time DX'er who works in broadcasting there, often supplying advance information on Radio New Zealand happenings. I was very pleased to receive a fascinating glimpse at radio in Bolivia from him. Although the details are somewhat out of date, as Radio Frontera has been dropped from most lists (except the WRTH) as inactive, the general picture of broadcasting on the edge of civilization is timeless. Thanks for the contribution, Dene!

An Insight into Broadcasting on the Frontiers of Bolivia

by *Dene Lynneberg*

Some years ago in 1973, I had the pleasure of listening to a little known station called Radio Cobija which broadcast in Spanish on the tropical band frequency of 4854 kHz. Radio Cobija was heard at a fair level from 0342-0401* UTC.

A Spanish report was duly sent off to Radio Cobija without holding out too much hope of a reply. And of course, as is often the way of the Latin "mañana," no reply was forthcoming. Future editions of the WRTH kept listing Radio Cobija as inactive. A copy of the report was filed away and promptly forgotten about until many years later in 1984 I read in an overseas DX magazine an item mentioning that Radio Cobija may have been reactivated. Hmm! I thought, time for a followup to be sent to them. So the original report was resurrected and retyped. A few goodies such as a postcard and some mint and used New Zealand stamps were included and the report was once again sent off to Radio Cobija at Correo Central, Cobija, Bolivia.

The Bolivian postal system is to say the least, probably as erratic and inefficient as those of most Latin countries and indeed the WRTH always persists in carrying an explanatory footnote saying "There is normally no delivery of letters in Bolivia (except La Paz) and recipients have to collect from the Post Office. Letters should therefore carry the casilla number where known."

So what hope could I hold out for a reply from a station located away in the frontier regions of Bolivia, whose only address was Correo Central, Cobija! If only they knew my report was coming, and where would the letter end up if the casilla number was unknown!

Time again passed and hopes faded, until one day, 489 days later, to my amazement I received in the mail a letter from a "Radio Frontera" in Cobija. What was I doing receiving a letter from Radio Frontera, a station I never even knew existed? I quickly opened the envelope to find a long Spanish letter from the owner of Radio Frontera, a Sr. Lino Miahuchi Von Ancken.

This very interesting letter from Sr. Von Ancken unveiled a fascinating story. Sr. Von Ancken writes:

"It has been a while since I found your letter in my mailbox and you may well wonder how I came by it. In the course of this letter I'll give you an explanation of how I received your letter. I have wanted to answer your letter for a while now but until now I haven't had the time.

I would like to introduce myself. I am a 37 year old journalist and I own a new radio station here in Cobija called Radio Frontera. My name is Lino Miahuchi Von Ancken. My surname is descendent of a mixture of Japanese and German.

Reading your letter I can assure you that the signals you received from Radio Cobija were correct. At that time I was only an assistant journalist. I can tell you that Radio Cobija has been off the air for 4 years now. It was a state run radio station but it was operated irresponsibly and without any kind of planning and it went bankrupt. This is all a memory now as it all happened in the past.

Two years ago I bought a new station which uses 300 watts and since then I have bought a 500 watt shortwave transmitter, but I am having some

ZambiaGATE Part II

Will the Real William Lukozu Please QSL?

by Richard D'Angelo



Readers may recall Rich's recounting in the November '88 DX'ers Forum of his attempts to QSL the Zambia Broadcasting Service. This month, the saga continues with the exposure of a minor DX scandal! In a FRENDEX exclusive, we present ZambiaGATE Part II...

I finally received my QSL from Radio Zambia. To recap, back in June I sent a followup report to William Lukozu at Zambia Broadcasting Services [now apparently called "Zambia National Broadcasting Corporation," based on the letterhead Rich sent with his story. -Ed.] In August I received a reply that Mr. Lukozu's "personal tape dubbing machine broke down" and he needed US\$100 for repairs. He asked for my help (translation: send money) in raising the funds. I never sent a taped report. I sent a followup report with a US\$2 contribution toward his repair fund. Months passed with no response. Meanwhile Bob Brown sent a registered report with some money to William and received a registered reply in about a month. This spurred me on to send another followup via registered mail. I just received my QSL (FINALLY!!) and an interesting letter from William. Seems he never received my letters and he claims he did not write the letter asking for the US\$100 to fix his "personal dubbing machine." He has asked me to send him a copy of the letter, via registered mail. Apparently he is angry and wants to find out who is responsible. I checked the signatures on the two letters I have and they ARE different. So we have two "William Lukozu's" running around and only one is legit. I'm not sure how many DXers have received requests for money from this bogus "William" but a word to the wise is use registered mail to Zambia because somebody at the ZBS is intercepting mail for the real William Lukozu!! The bogus "William" is even using the official ZBS address!!! Hopefully, William will provide an update after receiving my letter. Stay tuned.

Glad you finally QSL'd Zambia Rich, that's a nice one! I guess I lucked out last Fall when I QSL'd them using ordinary mail. The suggestion to use registered mail is a good one. It's a bit on the expensive side, but it has yielded some very nice QSL's for me (e.g. Nepal, Angola direct from Lobito) where regular mail yielded nothing. Be aware that it can backfire, though. I've had several international registered letters returned unclaimed, since busy station personnel didn't get to the post office to sign for them before the time limit expired.

trouble with this. The signals don't want to go up the antenna. I am trying to get it fixed and make it all work again, but the problem here is that there are only a few technicians in Cobija and they are not very good ones. I will let you know of any progress I have made in getting things fixed."

Sr. Von Ancken then went on to relate some interesting information about Cobija and its surroundings. He continues:

"Cobija is the capital of the Department of Pando. This department covers 63,000 square Km and is rich in natural resources, but unfortunately these are exploited indiscriminately by unscrupulous people who are often found in the centre of the great Amazon. Cobija is a small city of some 10,000 inhabitants and is located on the frontier with Brazil. The frontier boundary is the 60 metre wide Acre River. There is an international bridge across the river where Bolivians and

Brazilians may cross freely whenever they wish. Another frontier is with Peru, 95 Km away. We don't have much communication with Peru because of a lack of roads. There is only a penetration route. The forest is very dense and impenetrable and it is very dangerous to go through it. Also there is an infinite number of rivers, both large and small, and many lagoons.

The favorite sports here are football, basketball and naturally swimming in the rivers. The ambient temperature here for 95% of the year is between 32-34 deg C. The only means of contact that we have with the other departments of our country is by air. An airline operating small Fockker 27 airplanes, capable of carrying 40 passengers, makes the return trip twice weekly to the City of La Paz, the highest capital in the world at 4000 m above sea level."

Sr. Von Ancken then goes on to explain that he is an amateur radio operator with the callsign

CP9AR, as is his wife, Leny, who has the call sign of CP9AS. His wife teaches literature and languages at the only secondary college in Cobija.

In his letter Sr. Von Ancken also sent one of each of their ham QSL cards and a badge of the Radio Club of Bolivia. A small 1985 calendar with Radio Frontera's frequencies on it was also included.

Radio Frontera operates on 1250 kHz medium-wave and 4730 kHz shortwave. [Ed. note -- I believe they are currently inactive.]

Sr. Von Ancken never did get around to explaining how he actually came by my report, but I can only assume that Radio Frontera must be just about the only radio station in Cobija, so when my letter arrived at the Correo Central, the postal authorities stuck it in his casilla as there was no other radio station in town. Well whatever, it certainly seemed to work. I may say that a little of my faith in the Bolivian postal system has now been at least partially restored.

While it is no longer possible to hear Radio Cobija itself, you may well be fortunate enough to hear Radio Frontera on 4730 kHz if Sr. Von

QSL'ing Greenland

by Rowland Archer



Kalaallit Nunaata Radioa

Grønlands Radio Radio Greenland

H.J.Rinksvej 35 . P.O.Box 1007 . DK-3900 Nuuk

Kalaallit Nunaata Radioa...what an evocative name for a radio station! Hearing and corresponding with the offbeat and exotic is what drives many DX'ers and QSL'ers, and Greenland's 3999 kHz outlet fills the bill nicely. This is a tough catch for most of us, and hearing it involves the kind of persistence, patience, good propagation, and just plain luck that epitomizes DX'ing. Here on the East Coast of North America, KNR's *0955 sign-on means dragging yourself out of bed at 4:50 AM local time, morning after morning, hoping against hope (and ham nets) to hear that elusive interval signal, "Sonja Dragging the Whale." When you finally hear those frail-sounding celeste tones winging through the ether to your antenna, you won't need an extra gulp of coffee to wake up! The best propagation from Greenland to this area seems to run from mid-December to mid-January.

For those of us who like to QSL our DX catches, hearing KNR is only half the battle. Although the majority of North American radio stations are reliable QSL'ers, Greenland stands out as one of those tantalizing targets that, while not quite in the "non-verifier" category, is certainly in the "very tough verifier" class. They sporadically send out a few QSL's, just enough to keep our interest! I've finally managed to receive a nice QSL and station brochure from KNR. I know a number of DX'ers are still trying, so let me share some "inside info" on how you might succeed, too.

Over a year ago Werner Funkenhauser, of the Ontario DX Association, broke a Greenland QSL drought of many months duration. How did he do it? He explained simply, "I called the station." The verie signer is a fellow by the name of Henrik Jorgensen, listed in the 1987 WRTH (but not since) as the Director of Engineering. When Werner published his QSL report, I, like many others, sent a followup to Mr. Jorgensen, hoping that a QSL would arrive without the need for an expensive international phone call.

Another year passed, during which I sent a couple more followups, but still nothing. I spoke with several DX'ers over that time period who had read Werner's report and were getting ready to call the station themselves, but it wasn't until December '88 that someone finally did. John Bryant, frequent contributor to this column, called to follow up on his report. John wisely called person-to-person to make sure he wouldn't get charged if Mr. Jorgensen was unavailable. The first attempt met with a language barrier, and the operator had to get language assistance from an international operator who spoke Danish. With that help, the call was completed and Mr. Jorgensen came to the phone. He spoke good English, and seemed to understand everything John said to him.

After a brief exchange of pleasantries, John got down to business and asked if he had seen his reception report. At this point, Mr. Jorgensen related that he had about 800(!) unanswered letters in neat stacks on his desk, and could John please describe what his envelope looked like so

he might pull it from the pile! Stifling a groan, John realized that his envelope probably looked just like the other 799, and unless Mr. Jorgensen was feeling extremely charitable and willing to search through 800 letters looking for his, the phone bill was going to be the only memento of his very long distance call!

Mr. Jorgensen could not find John's letter at that time, but he assured John he planned to answer ALL the reports by Christmas. To my knowledge John is still sans KNR QSL. Based on his experience (I owe you a BIG one John!), I immediately made a cassette tape of my best KNR reception and sent it off with a shack photo, local postcard, \$1 for return postage, and a reception report. For the envelope, I chose one of those yellowish padded envelopes you can buy at the post office (good prices, check them out) and put a border on it of green electrician's tape. This envelope was going to be a cinch to spot!

About six weeks after mailing my report, I made a person-to-person phone call to Mr. Jorgensen. The station's phone number is 299-21172 (299 is the country code for Greenland). The receptionist who answered the phone was able to understand my local operator's request for Mr. Henrik Jorgensen (Southern drawl and all!), and he quickly came to the phone. He was friendly and courteous, and I got the same story about 800 backlogged reports. The volume is simply overwhelming him, and understandably so. I got the expected question "can you tell me what your letter looks like?," and when I described my envelope he pulled it instantly from the pile. He described the contents to me, giving me confidence that he had indeed pulled my report. He promised to answer it before going home that very day. Ten days later a large white envelope appeared in my mailbox with a nice station photo QSL and a great full-color station brochure.

One interesting side-note; as he described what was in my report, he did mention the dollar bill. Those of us who have cynical thoughts of station personnel taking the stamps and dollars we send and tossing the reports aside can be reassured that at least in this case this is not what happens.

I have not received the phone bill yet so I don't know what my call cost. Probably between \$10 and \$20, so this is not a cheap way to QSL. Andy Rugg reported receiving a QSL from a normal written report in a recent issue of Fine Tuning, so phone calls are NOT the only way to succeed here. Andy said he didn't do anything special; he had no idea why his report got answered and so many others are still sitting there.

If you decide to give KNR a call, be sure you can describe your envelope in some unique way so you don't waste your money. I suggest NOT using green electrician's tape borders, now that that idea is in the "public domain." Be creative and good luck!

Ancken has got things working again and all the RF is finally "getting up his antenna." If you are lucky enough to hear this very interesting station, be sure to send Sr. Von Ancken a comprehensive report in Spanish. He is a very friendly person and will certainly appreciate your efforts in reporting to him and you should receive a 100% reply [Ed. Note: with no offense to Dene or Sr. Von Ancken, a 100% reply rate from a small station, even with the friendliest and best-intentioned of personnel, is unlikely due to the priorities of running the station vs. answering letters from overseas listeners].

Reports should be sent to:

El Director
Sr. Lino Miahuchi Von Ancken
Radio Frontera
Casilla 179
Cobija, Depto. Pando, BOLIVIA

One final footnote: beware if you intend to include any mint Bolivian stamps as return postage. Inflation in Bolivia is rampant, as evidenced by the postage costs of Sr. Von Ancken's letter - a face value of \$b 250,000 for an airmail reply to New Zealand. [Ed. note -- \$1 bills seem to work well here for just this reason.]

* * *

Thanks for sharing your experience with us Dene - that's what DX'ers Forum is all about. Readers - next time you have an interesting encounter with a radio station, why not write it up for us?

Coming soon: Several top-notch DX'ers share their approach to the hobby and tell you how they hear those great catches. I think you'll really enjoy this one. See you next month.



Easy Listening

Editor: Alex Batman, 4636 Alvin Dark, Apt. 2, Baton Rouge, LA 70820

SUNDAY

1615-1630 What Strikes Me- (Radio Norway International). Appearing irregularly on Sundays, this program features interviews with visitors to Norway to get their impressions of the country. Visitors may be defined as tourists or even as those who have sought political asylum in the country. 21.705 // 15.310. Repeated at 2015 on 15.310.

2240-2255 The Week in Review- (Kol Israel). A look at the Israeli papers and their top stories and editorials for the past week. It's a good program to get a sense of the diversity of opinion in the country, all the way from die-hard hard-liners to those who are far more moderate. 9.435. Repeated at 0110 on 9.435 // 7.465 // 9.385.

MONDAY

1345-1350 Touring Flanders- (B.R.T.). A look at various tourist attractions in the Dutch speaking portion of Belgium, including the most notable spots, festivals, etc., to those which are more out of the way. 17.560 // 21.815. Broadcast earlier on Saturday at the same time and frequencies.

0325-0330 The French Weekly Press- (Radio France International). A review of the lead articles and editorials in the French weekly papers and magazines, including La Point, L'express, L'evenment aujordhui, and Paris Match. Frequency is 9.800.

TUESDAY

2130-2200 Megamix- (BBC). A program designed for younger listeners but with features that may be interesting to adults as well. Some regular features of the program are "What's Up, Doc?" (a doctor answers listeners health questions), "London Yelling" (a round table discussion of topics sent in by listeners), and "Fan Club Fact File" (information on fan clubs for various rock stars). Plays some rock music and has a number of other interesting irregular features. Check 15.260 // 5.975.

0245-0300 Asia Now- (Radio Japan). A focus on Asian news and current events. The program is divided into two segments, the first of which is a round-up of Asian news, the second of which is a spotlight on a particular topic, such as politics in the Philippines, or installation of a new weather radar in Bangladesh 5.960.

WEDNESDAY

2200-2300 Newshour- (BBC). Part of the BBC's newly revamped program, this is an hour long news program devoted mostly to international news. The program begins with ten minutes of headlines news, followed by more extensive coverage of some of the lead stories by correspondents. At the half hour there is financial news, followed by ten minutes of British news. There is also a few minutes of sports news towards the end of the program, as well as some special features. 15.260 // 5.975.

2235-2300 Panorama: The Polish Scene Today- (Radio Polonia). A program of news, cultural and sports items related to Polish national concerns. Program tends to focus on current events in Poland (including editorials), but also includes news from the cultural and sports scene. Frequency is 7.270. Repeated at 2330 on the same frequency.

THURSDAY

1320-1330 Science and Technology Report- (Radio Yugoslavia). A program devoted, pretty much as the same implies, to science and technology in Yugoslavia, including telecommunications, medicine, a Yugoslave scientific information system, computers, and the environment. The program that airs at 1320 is an abbreviated version of the program that airs later in the day at 2220 and 0120. Frequency is 15.325 and is repeated at 2220 on 9.660 and again at 0120 on 9.620.

1340-1345 Cooking- (B.R.T.). B.R.T.'s Franz Vossen gives the recipe for a number of Belgian delicacies and staple foods. Now all recipes are Belgian, however. Some are sent in by listeners in other parts of the world. And not all recipes are necessarily for food. One program featured as recipe for homemade beer. Frequency is 17.560 // 21.815.

FRIDAY

2220-2240 Sidewalk Rock- (Radio Yugoslavia). A pop music program featuring the popular music of third world countries such as Gabon, Cameroon, Kenya, or Brazil. Frequency is 9.660. Repeated at 0120 on 9.620.

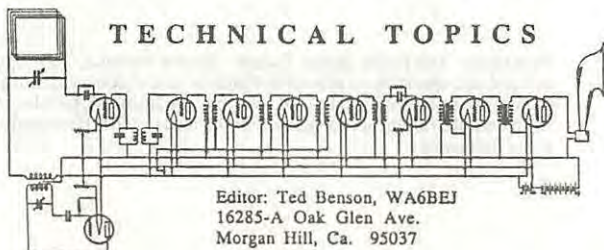
0345-0355 Bilingual Program- (Radio France International). One of the more innovative ideas in shortwave, this program usually features two French popular songs, but the commentary between and before the songs is in alternating French and English. The program also features "The Word Game" in which listeners are invited to give the English equivalents of French expressions or vice versa. Those who get the correct answer win a Radio France International T-shirt. Frequency is 9.800.

SATURDAY

2330-2345 What We Said- (Radio Polonia). a review of Radio Polonia's commentary for the past week, including taped excerpts from each editorial. If you miss it during the week, you can always catch it here. Frequency is 7.270.

0315-0400 This Week- (Radio Japan). A compendium of special features on life in Japan—such as winter festivals and bird-watching—each week including a number of standard features. "Making Tracks" reviews the pop music scene in Japan, and on the half-hour there is a summary of the most important Japanese news from the last week. Towards the end of the program there is also a round-up of stories from Japan's various prefectures, and a review of the upcoming events in the Japanese news scene for the coming week. Frequency is 5.960.

TECHNICAL TOPICS



HOW TO GET A CHARGE OUT OF LIFE

Last month we discussed rechargeable, or so called "Ni-Cad" batteries, and began the design of a universal charger to keep Ni-Cads well fed. We reviewed the formulas for calculating the necessary current limiting resistor value for a given charge rate, and learned how to calculate the safest charging rate for common sizes of Ni-Cads. A little more background is needed, though, before we finish our charger design.

Ni-Cads have an internal resistance, which is actually present in all batteries and cells. How does the resistance affect us? In two ways. First, we will have to supply slightly higher voltage to recharge the cells than they normally furnish. Second, we must carefully control the charging current, because current flowing through resistance produces heat, and too much heat can cause the cells to burst.

AT LAST, SOMETHING PRACTICAL

At long last we are ready to put our design on paper. Figure 1 shows a "bare bones" charger, suitable for slow or "trickle" charging a single cell or multiple cells. Use the formula from last month's *Technical Topics* to calculate the value of resistor R1. Remember, the charge current for several cells in series is the same for a single cell - provided of course that the cells are identical in size. This charger will recharge a dead cell in about 16 hours, but for reasons given later you should never allow a Ni-Cad to go completely dead. And remember, this charger should be disconnected when the cells are finished charging. Overcharging - even at a controlled rate - can harm cells.

Figure 2 is a more elaborate charger, which features two charge rates - a trickle charge rate and a fast, or high charge rate. The high charge rate will recharge a cell in about 6 hours. This is great for times when you don't have all night to recharge, but use the trickle rate whenever possible for greater battery life. Again, the value of resistor R1 is found by using last month's formula. The value for R2, the high current limiting resistor, is calculated by the following:

$$R2 = \text{Voltage of Battery} / \text{Charging Current}$$

$$\text{Charging Current} = \text{Amp-Hour Rating} \times 0.3$$

Diodes D4 and D5 are light emitting diodes, green for trickle charge and red for fast charge. Diodes D2 and D3 prevent the battery from forcing both the low and high charge LED's to light at the same time. The parts list for the remainder of the components of both chargers is shown below. If you cannot find the exact values, close ones will work fine. To the best of my knowledge, all the parts can be obtained at Radio Shack or mail order parts houses, such as Mouser Electronics in Santee, Ca.

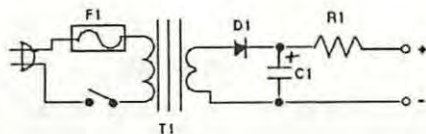


Figure 1.

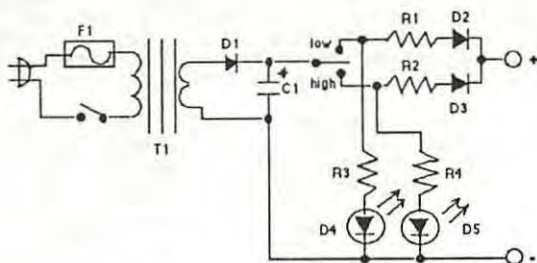


Figure 2.

Charger Parts List

- C1 Electrolytic Capacitor, 1000 mfd. at 25 volts
 D1,2,3 Silicon Diode, 1 amp at 25 volts PRV (1N4001 or similar)
 D4 Light Emitting Diode, green (just about any type)
 D5 " " " red (just about any type)
 F1 Fuse, 2 amps at 250 Volts (if you choose to omit this, please
 take out a life insurance policy & name me as beneficiary)
 R1 1/2 watt resistor (see text for value)
 R2 1/2 watt resistor (see text for value)
 R3,4 1/2 watt resistor of sufficient value to allow LED's to glow

moderately brightly (for a 12 volt charger this would be
 about 470 ohms)

- T1 Transformer, to step line voltage down to charging voltage.

The primary voltage should be 117VAC, and the secondary
 voltage should be about 10% higher than the total voltage
 of the cells you wish to charge. The transformer should be
 rated at 1 amp or higher.

When you have finished the charger, hook its positive terminal to the
 battery's positive, and negative to negative. When the appropriate
 charging time has elapsed, disconnect the battery from the charger.

WAR SURPLUS

No thanks to certain politicians, we haven't had a war recently, so
 war surplus stores are now simply called surplus stores. Many of
 these sell affordable Ni-Cad cells and batteries. In addition,
 electronics magazines are full of ads for mail order firms selling
 these items. Although these are a good places to get normally
 expensive Ni-Cads, a few words of caution are in order. First, avoid
 batteries called "Gel Cells." These are excellent batteries, but
 require a completely different charger, and are generally more
 expensive than Ni-Cads. Also beware of sealed Ni-Cad packs - they
 often come in odd voltages and cannot be easily opened for
 modification. Finally, try to get Ni-Cads which have solder tabs
 already in place - unless they are standard sizes that will fit a
 common battery holder. Many commercial Ni-Cads are of odd sizes and
 have no solder tabs. They require silver solder and some skill to
 connect to.

FIRST AID

Sometimes the cells you obtain are either defective or become defective because of various factors. It is common practice to leave a slight charge on a Ni-Cad while it sits in storage. If this is not done, or if a Ni-Cad is allowed to totally discharge, a curious thing happens. Not all cells are exactly equal. Sooner or later, one goes dead first. When this happens, the other cells actually pour their voltage into the dead cell, charging it in reverse. When you try to recharge the entire string, the reverse cell prevents recharging. If this has occurred, allow the string to discharge for several days into a slight load, like a light bulb. Then try recharging again.

Shorted cells will not accept a charge, but will get very warm if you try to charge them. Your only solution here is to remove the cell from the string. Remember, each cell should measure about 1.2 volts. If a cell shows almost nothing, it is probably shorted.

THANKS FOR THE MEMORIES

Maybe a popular theme song, but the bane of the Ni-Cad user. Ni-Cads behave best when they are periodically asked to work until they are rather low, then recharged. If always kept totally charged, they will not deliver their rated voltage as long as normal. If always discharged badly before being recharged, they will take longer to recharge than normal. All this is referred to as "memory," and is avoided by periodically cycling the batteries through discharging and then charging. By the way, do you know how to tell if a Ni-Cad is getting low in its charge? You can't! Carbon-Zinc batteries gradually decrease in voltage as they drain. Ni-Cads, on the other hand, maintain almost a constant voltage, which drops suddenly just before they go dead. Convenient, eh? The point is that it does no good to put a volt meter on Ni-Cads to determine if they need charging. The best way is to make a mental note of how long they have been used since they were last charged.

That's all for this month. Good luck experimenting. I will be happy to answer your questions about recharging system, but remember to include an S.A.S.E.

There are still some copies of the NASWA Country List/Awards Program booklet available for \$2.00. Write to NASWA, 45 Wildflower Road, Levittown, PA 19057.

Edited By:

Tom McElvy

P.O. Box 9645

Norfolk, VA 23505-0645

FRENDX PORTRAITS

a look at the members
of NASWA

My goodness, just when I finally get myself out of 18 inches of snow, I find that it's time to meet another deadline! Such is the life of the *FRENDX* editor...

This month we hear from several members of NASWA, including legendary DX'er Don Jensen, Dale Wagner from New Jersey, and finally Sheryl Paszkiewicz, our Log Report B editor. The response has been tremendous, and I urge you to keep writing (I don't want Bill Oliver to put me on the unemployment line, hihi!)

Don Jensen

I have been a DX'er since April 1947, when, at the age of 11, I was introduced to the hobby by my father, a 1930's era "bootleg" ham operator and longtime radio enthusiast. He tuned in HCJB on a then new and "powerful" MIDWEST all-band receiver. Some weeks later I heard my first station "on my own," Switzerland. That proved to be by first QSL, arriving sometime before HCJB's. More or less continuously I have been DX'ing ever since, primarily SWBC, although I have dabbled in various other aspects of the hobby, from medium wave to TV/FM DX'ing. It took approximately 10 years to verify my first 50 shortwave countries. I now have 237 countries heard, 236 verified, all shortwave broadcast, no utilities, by the NASWA Country List definitions. From that list I have neither heard NOR verified St. Helena, Tristan da Cunha (gotta be sharp...-ed), Bhutan, Channel Islands, Bahamas,

Curacao (Netherland Antilles), Guadeloupe or Western Samoa. My one "missing" verified country is the Soviet Union's Moldavian SSR. With the exception of Bhutan and, probably, Tristan, the others are long off shortwave.

I am a newspaperman by occupation, a freelance magazine writer since 1963. I was formerly the editor of *COMMUNICATIONS WORLD* magazine and have written feature articles and regular columns for various radio magazines over the years, currently in *POPULAR ELECTRONICS*. Periodically I have had regular shortwave related features broadcast on various DX programs around the world, currently "Don Jensen's Journal" bi-monthly on RCI's "SWL Digest." I am also a consulting editor to "*PASSPORT TO WORLD BAND RADIO*."

I joined NASWA, then known as NASA until another organization appropriated that acronym, in 1963, approximately a year and a half after it's founding. Over the years, I have served on the club's board of directors and served in several editorial capacities; currently a member of the Executive Council and chairman of the Country List Committee.

In 1964, I founded and was the first executive secretary of the Association of North American Radio Clubs (ANARC) and was named it's first Man of the Year in 1966. Over the years I have held board positions in several other clubs, including ASWLC and the now-defunct Newark News Radio Club. Additionally, in 1969 I founded a



Don Jensen

shortwave newsletter known as *Numero Uno* and, with two co-editors, produced, as of this 20th year, more than 1,000 consecutive weekly issues.

I have always enjoyed my association with NASWA, in it's 26th year, and I look forward to many more.

Thank you, Don, for a very enlightening bio. Don is truly one of the greats in this hobby, and has done much towards it's improvement. Now, onto the East Coast, where we hear from;

Dale Wagner

Dale is a 32 year old, unmarried DX'er, who attended Stockton State College in New Jersey. Additionally, Dale earned his Ph.D. in astronomy from Case Western Reserve University in Cleveland.

Currently he works at the Southern Jersey Institute of Technology, studying variable stars in the constellation of Cygnus.

A shortwave listener for over five years, Dale got his start rather differently (and uniquely) from most of us. In his profession of astronomy, exact timing is needed - the stars are rather unforgiving, I would say. Shortwave radio was an excellent means of obtaining exact time. It wasn't long before he realized there was a lot more available on shortwave than WWV and CHU (besides, their programming is rather boring - ed)

Dale's favorite stations are the 'big-timers' such as the BBC, Deutsche Welle and Radio Nederlands. He also enjoys the hard DX'ing.



Dale Wagner of New Jersey

Living in an apartment, Dale is forced to use an indoor longwire antenna on his Sony 2010 receiver. While he is not sure if it makes a difference, Dale feels living on the coastline makes those European radio waves a little easier to catch!

Dale does enjoy hobbies other than shortwave listening, and these include art photography, classical music, video, and trading tapes of commercial FM stations with other collectors.

Dale notes that he "believes there is a cultural void in someone who does not listen to international radio. No one should be so narrow that he does not allow for other points of view on issues that face the human race. The best place to hear those views is straight from the source on international shortwave radio."

Well put.

And now from the cold north comes a nice little letter from Log Report B Editor;

Sheryl Daszkiewicz

"People usually ask whether I got involved in the hobby through an older brother since there are relatively few women in the DXing hobby. The answer is 'NO;' I've always had an interest in receiving distant radio stations, which started on the medium wave band.

One Christmas I received a radio which had a shortwave band on it. After toying with it for a few years, one Sunday I seriously sat down with it once again and picked up VOFC, Radio Sofia and Radio Cairo, all new catches for me. From then on, I was hooked, and my involvement in the hobby and clubs snowballed from there. NASWA was one of the first clubs I joined back in 1982, and *FRENDX* continues to be a well-rounded source of information. My first specific area of interest was Africa. More recently, I've become more interested in Asian DXing as a result of needing countries in that area, plus I enjoy the Middle East.

As I hear more countries, though, program listening becomes more interesting. I especially like hearing music from the various countries, both folk and what is on the charts. It's one alternative to the local radio scene in Manitowoc, which isn't very innovative. As you might have guessed, besides DXing, I also enjoy collecting records and CD's. I am also a little into coin collecting, languages and geography.



I have seen a definite improvement in *FRENDX* over the past year or two (especially my column, right? -ed.). I am enjoying my new job as LRB Editor and

really appreciate all the support the column is getting. I hope support for it and all the other columns continue because that is what will ultimately make *FRENDX* one of the best hobby publications."

That wraps it up for another month. By the way, be sure to catch the April issue of *POP'COMM*, for an article on last year's East Coast SWL Conference. The staff of the magazine did an excellent job of editing the article that Lynn Burke and I wrote at their request; but unfortunately credited the *POP'COMM* staff instead of us. Oh well...

Until next month, 73 and good DX to you all!

Tom

NO COLLECT CALLS ON THESE ADS, PLEASE

FOR SALE: Barlow-Wadley XCR-30 receiver with service manual. Needs some repairs. Will give away for shipping costs. Radio West KS pre-selector/active antenna, 2-30 MHz. Never used. Cost \$90.00, will sell for \$30.00. *FRENDX* 1978-1982 complete 5-year set, \$40.00. SW Voices (1969) by Dr. Wood, \$6.00. "How to Listen" (1971) by WRTH, \$6.00. Prices are U.S. cash. Please add \$3.00 to U.S. personal checks to cover bank fees. WANTED: Used copy of "Uno, Dos, Cuatro" book. Ernie Behr, P.O. Box 1991, Winnipeg, Manitoba, Canada R3C 3R3.

FOR SALE: ICOM R71A with FL-44A filter, FL-32A cw filter and complete modification from EEB. Excellent DX machine in mint condition and only three months old. Also ICOM external speaker, Datong FL-3 audio filter, Autek QF1A brand new and never used. Also Grove Minituner 3, Datong 370 antenna and Grove Sky Wire brand new. Fifteen inch communications speaker in oak cabinet. Also *FRENDX*, Speedx, Pop Com from '78 to the present. Last but not least, all station pennants, some really rare ones. MFJ-102 24-hour clock, Yaesu World Clock. All Radio TV Handbooks from '78 to present. All Monitoring Times to present. All Passport to The World from #1. Radio Shack tape recorder, 500 airmail envelopes, and a lot more too numerous to list. First \$1000.00 takes it. All of the above in mint condition. Stephen Leite, 190 Healy St., Fall River, MA 02723. Phone (508) 675-2830 from 2200 to 0200 UTC.

FOR SALE: AEA-MBA Code Reader, CW/RTTY/ASCII with AC adapter, \$99.00. WRTH '87 and '88, \$9.50 each. *FRENDX* '87 complete, \$7.50. 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 28278. Phone (704) 894-3398.

WANTED: I would like to hear from anyone who has any books relating to Christian Shortwave stations for sale like "Towers to Eternity" and others. I've started a collection of Christian QSL's and other data. Please write stating price and condition. Harry L. Smith, 3740 Bosart Road, Springfield, OH 45503.

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

DR. HAROLD CONES

Editor in Chief
2 Whits Court
Newport News, VA 23606

To: The NASWA membership

From: Harold Cones, Chairman of the *FRENDX* Editorial Committee

Last fall, the NASWA Executive Committee, recognizing that Bill Oliver was being heavily overtaxed serving as Executive Director, editor, and publisher of *FRENDX*, reorganized in an attempt to streamline the whole NASWA operation. As part of the reorganization, Chuck Rippel was appointed Executive Director and I was appointed chairman of the newly formed Editorial Committee. One of the major goals of this reorganization was to free up some time for Bill and allow him to devote his considerable energies to the awesome task of publishing *FRENDX*.

Members of the Editorial Committee have met several times at various shortwave functions and have been in contact by telephone, tape, and letter. Additionally, the committee has met with the NASWA Executive Committee. The result of all this communication will become more apparent over the next few months. One of the first orders of business was to assess *FRENDX*.

First, we all agree that *FRENDX* is an excellent publication. We feel, however, that we can clean it up a bit and make it even better. To this end, the Editorial Committee has put together an Editor's Manual to serve as a guide for column editors. It is our desire to have a more uniform look to the publication and thus a more professional appearance. We have also established a Graphics Committee that will be working to develop unique and professional mastheads for the columns.

Secondly, we think that NASWA should "feel" more like a club, with real people as members, and not just exist as a publication. To this end, *FRENDX Portraits*, a new column by Tom McElvy, will monthly highlight the people that are the club (many of you have no doubt wondered what Bill Oliver looked like; the March *FRENDX* should have taken care of that!). Also along these lines, we are sponsoring a contest to design a logo for NASWA. We may soon be able to offer T-shirts, visors, mugs and other logo emblazoned items to help nurture a club identity and an *esprit de corps*.

So changes are in the offering for NASWA and *FRENDX*; changes not just for the sake of change, but changes in an honest effort to improve an already outstanding publication. We are going to attempt to determine your needs in a questionnaire which will appear in the next several months. We are interested in hearing what you have to say about NASWA and *FRENDX*. Please feel free to make your thoughts, ideas, and suggestions known at any time. I have included the names and addresses of the Editorial Committee below. If you would like to serve as a backup editor, or in some other capacity in *FRENDX*, please contact one of us. We would like to hear from you.

Dr. Harold Cones
2 Whits Court
Newport News, VA 23606

Bob Brown, KW3F
238 Criclewood Circle
Landsdale, PA 19446

Rich Arland
25 Amherst Avenue
Wilkes-Barre, PA 18702

Roland Archer
5524 Hawthorne Park
Raleigh, NC 27612

John Bryant, AIA
RR# 5, Box 14
Stillwater, OK 74074

NASWA Awards Program

Awards Chairman: John M. Kapinos, 06 S. Quinsigamond Ave., Shrewsbury, MA 01545

Greetings and welcome to the April 1989 Awards Page. The following folks have recently received NASWA Awards:

Gayle Van Horn, Gretna, LA: European Continental DXer; Master Pacifica DXer; Australian DXer

John J. Topoleski, Philadelphia, PA: European Continental DXer; World Wide DXer

Bill Harms, Bad Aibling, West Germany: Arab World DXer

Guy Connor, Philadelphia, PA: World Wide DXer

Rowland Archer, Raleigh, NC: Senior Radio Moscow DXer

David Culp, Washington, DC: European Continental DXer; World Wide DXer; Soviet Sphere DXer

Sheryl Paszkiewicz, Manitowoc, WI: Papua New Guinea DXer

John Wilkins, Wheat Ridge, CO: Asian Continental DXPert; Senior Radio Moscow DXer

John Huniwell, Barnegat, NJ: All Voice of America DXer; Senior Ecclesiastic DXer

Donna Robinson, Willow Springs, IL: Papua New Guinea DXer; DX Centurian; Senior China DXer

William Bright, Baltimore, MD: Ecclesiastic DXer

kap's comments

As of today, we are very far behind in processing Award applications. I have no excuses, but perhaps some explanations. In the past 10 months I have had to make funeral arrangements for 4 members of my immediate family, my Father, my Mother, an Aunt and an Uncle. As an only child I have also had to handle the Estates of my beloved. This, along with my Professional responsibilities at the Accounting Firm I work for, and attempting to do the NASWA CDE work just became too much to handle.

At this point, there is a light at the end of the tunnel. Kris Field has been appointed to NASWA CDE and will take that load off my shoulders. With one exception the Estates are all taken care of and, in 4 short weeks "Tax Season" will be over. In the meantime, I will attempt to clear the backlog a couple of applications at a time.

In short, you WILL get your Awards, don't worry, ye olde kap did not scoff the funds and buy a condo in Aruba. Once everything is settled, perhaps around the first of May, we will get back to our "same day" service in processing Awards. Over the past 5 years I have taken great pride in administering the NASWA Awards Program and continue to do so.


To "kap's friend", a big THANK YOU for handling the CDE work this month. You done good, mon ami.

There won't be any "funnies" this month. I'm simply not in the "funny"

mood, though if I read the interview with Doctor DX once more I might be.

Thank you all for your patience in these matters.

Till next month

Besi.  3/19/89

DR. DX TAKES ANOTHER SHOT AT SERIOUS WRITING, PART II

Dr. DX is sure excited about sharing all the neat things he did at the Second Annual Winter SWL Fest in Kulpville, PA, especially the part where the AMTRAK cafe car man put Dr. DX's cheese sandwich in the microwave for five minutes and melted the cheese so much that when Dr. DX bit into the sandwich the cheese shot out all over Dr. DX, the crotch of his new pants, the seat in front of him and the very large man with no teeth and a torn t-shirt who sweated a lot and did not think Dr. DX's cheese running through his hair was so funny. Or the part where Uncle Skip tried to get to the point by tying his sock around his head and sliding out of the bar chair. And the part where everybody had their picture taken under the biggest smiley face in the whole world. And the part where Rich D'Angelo introduced the new spring line of designer DX clothing. No Sir-re Bob-o, Dr. DX is going to save all that good stuff for another time and instead write something serious. And so, something serious, by Dr. DX.

This month finds Virginia in the early spring, with flowers blooming and the air scented with the prospects of better days ahead. Unfortunately, the arrival of spring means the departure of the best DX season for awhile and, for those of us that just cannot stand turning off the radio, the arrival of the summer SWL season. It also means that for us Hollow State fans, the tube catalogs come out and we start to put together orders for fresh tubes to keep our favorite glow boxes alive and well. To those of you immersed in the hobby, there is always something to keep you occupied and your interests peaked. I received a great interest boost in mid-February when I attended the Second Annual Winter SWL Fest in Kulpville, PA. This gathering just sort of materialized last year through the efforts of the then embryonic ANARC SWL Net (Bob "Big Signal" Brown, KW3F, Net Manager) and grew this year into a major happening, requiring a Holiday Inn with a ballroom, three meeting rooms and a hospitality suite. There were 115 people in attendance, representatives from several suppliers, and three days (and long nights) of nonstop radio talk and elbow bending. *FRENDX*, *SPEEDX*, and *ODXA* had enough of their editors present to hold editor's meetings and ANARC director Bob Horvitz led a discussion on the future of radio clubs. (You will be seeing some of the results of the *FRENDX* editor's meeting in upcoming issues of the Journal). The fest participants had far-ranging interests--shortwave broadcast, medium wave, utilities, scanners, SWLs, DXers--and it did not take long for like kinds to find each other. A very special highlight was a panel discussion on QSLing with Gerry Dexter, Sam Barto, and Rich D'Angelo. The amount of information exchanged during those three days was fantastic, and, above all, each had the opportunity to meet others and find out that there were people out there with the same interests--they were not alone!

I relate this story for several reasons. First, of the suppliers contacted, many showed support by providing information and more than 75 door prizes, including five portable shortwave sets and a \$300 RTTY/FAX setup. Event supporters were: Fred Osterson at Universal Shortwave, Bob Grove at Grove Enterprises, Jeanie Ferrell at Gilfer Shortwave, Electronic Equipment Bank, Gerry Dexter of Tiare Publications, Tom Sundstrum of THS Consultants, D.B. Electronics, Alden Electronics, the ANARC Computer Committee, *Fine Tuning*, *CIDX*, *FRENDX*, *ODXA*, and *Northwest Scanning News*. This is a time when support in (and for) clubs, as well as supplier support, often seem to be at an all time low; these people and businesses, however, came through for *this* event with high support. They therefore deserve *your* support in return for theirs. If you are in the market for a new "goodie", take a look at who is providing support for your hobby and consider them first.

Second, it was obvious from those present that *involvement* in the hobby is extremely rewarding. Not only were many "batteries charged" at the fest, but valuable and current information was exchanged and folks became faces, not just names ("Now when I send a QSL to Sam Barto, I know who he is; I met him last February"). The exchanging of addresses and phone numbers for future contacts was the rule of the day. Events like the Second Annual Winter SWL Fest, as well as various shortwave hobby clubs such as *NASWA*, offer you the opportunity to become as involved as you would like and to share your hobby abilities with others. Your involvement not only rewards you, but it rewards everyone in the hobby. Should you be more involved? Would you like to be more involved? Think about it; the door is always open.

So, not only can Dr. DX spin a serious yarn, Dr. DX can even use paragraphs. It is like Dad DX always said to Dr. DX when Dr. DX was just Dinky DX, "It's crackers to slip a rosie the dropie in snide." Good words to live by, for sure.

A NATIONAL COMPETITION TO DESIGN A LOGO FOR THE NORTH AMERICAN SHORTWAVE ASSOCIATION (NASWA)

HISTORY AND BACKGROUND:

The work of many 19th century physicists and engineers culminated in the first transatlantic broadcast of radio signals by G. Marconi and his associates on December 12, 1901. It should be noted that these transmissions were wireless telegraphy (Morse Code signals) rather than voice or music transmissions. By the beginning of WWI, wireless telegraphy had matured to be a very significant communications medium. However, broadcast radio, providing voice and music programming to the general public, had to await further technological developments. The first commercial voice and music programming was broadcast by station KDKA in Pittsburgh, PA in 1922. Soon, "AM" or "medium wave" broadcast radio stations had sprung up from coast to coast in the United States, as well as around the world.

At first, programming was quite amateurish. The real attraction to many radio listeners was in hearing as many radio stations from distant locations as they could. People began to keep lists of the stations, states and -- as broadcasting developed in the more widely heard shortwave frequencies -- countries that they had received. They began to write to the distant stations, assisting the broadcasters by giving reports of signal strength, clarity, etc. Stations would often reply to these distant listeners officially confirming the receptions with commemorative letters or postal cards -- called QSLs. By the late 1920's, this activity, this hobby, even had a name -- it was called DXing. The letters DX came from an old telegraphers code for commonly used words. DX stood and stands for "distant."

On the medium wave AM band, meanwhile, the radio networks developed. In the 1930's, NBC, CBS, etc. linked the individual stations of the United States, providing high quality and immensely popular listening entertainment. As this happened, most Americans lost their early interest in merely listening for distant stations. Since, for instance, network radio stations in Boston and Los Angeles carried the same programs, most families received their evening's entertainment from the loud local station.

However, some radio enthusiasts, particularly on the international shortwave frequencies, continued to tune for distant signals. This hobby continues world-wide today, attracting thousands of persons.

Today, DX is used both as a noun and a verb. If someone is attempting to hear very distant signals, they are said to be DXing. If distant signals are coming in, they are known as DX.

Relatively few Americans are aware that English language programs from over 50 foreign countries are easily audible in North America. Prominent examples of this kind of shortwave broadcaster are the Voice of America (VOA), British Broadcasting Corporation (BBC) and Radio Moscow. In the Third World, many governments also choose to use shortwave radio for internal broadcasting, to provide information and entertainment to their widely dispersed citizens. Examples of countries with extensive internal shortwave systems include Peru, Bolivia, Papua New Guinea, Indonesia and China.

WHO LISTENS

In many areas outside North America, shortwave broadcasting was the dominant communications form until the advent of wide-spread television. It remains the second most popular medium today in much of the world. In North America, shortwave radio is not well known as an entertainment medium. Regular listeners tend to be "aficionados" and/or hobbyists. Dr. Kim Andrew Elliot of the Voice of America surveyed a large number of purchasers of shortwave radios and found that they tended to have

far more education than the national average. In the study group, the professions were heavily represented with lawyers, ministers, college professors and engineers being the most represented. Hobbyists know, however, that interest in radio crosses all lines of class and society. A number of well known personalities are "DX'ers" or "SWL's" including the internationally acclaimed author James Michener and the late Jackie Gleason. There are both judges and convicted murderers involved in "the hobby." Many people are quite technically inclined, but many others have no technical expertise whatsoever. All ages, from the early teens to the early eighties, are represented in the SWBC (Shortwave Broadcast) DX hobby in North America. The world of radio truly recognizes no boundaries.

THE NORTH AMERICAN SHORTWAVE ASSOCIATION

The North American Shortwave Association (NASWA) is an association of shortwave listener enthusiasts. Although, as the name implies, the largest portions of these members reside in North America, members are found on every continent. NASWA provides many services to its members including publishing a monthly bulletin/magazine called FRENEX and a mid-monthly update newsletter called DXtra.

The North American Shortwave Association was founded in 1961 in Newfoundland, Canada. Fairly early in the history of the Association, headquarters was moved to Altoona, PA where Bill Eddings served NASWA for many years as Executive Director. After Mr. Eddings retired, Dan Ferguson of Washington, D.C., Ed Shaw, the late Mac Leonhardt and Bill Oliver succeeded to the position of Executive Director. Recently, Mr. Oliver stepped down as Executive Director so that he could concentrate on his responsibilities as Publisher of FRENEX. R. Charles Rippel of Virginia Beach, VA has now assumed leadership of NASWA as Executive Director.

THE COMPETITION

Entrants are asked to design a symbol or "logo" for the North American Shortwave Association (NASWA). The Association is open to a wide range of design suggestions:

1. The Logo may be a graphic design or it may simply be the letters "NASWA" or the words "North American Shortwave Association," or the submission may combine some graphic symbol with either the letters "NASWA" or the full name of the organization.
2. If a graphic symbol is designed, the Association will wish to use it both as a 'stand alone' logo and in association with the letters "NASWA" and/or the full name of the Association.
3. If a graphic symbol is designed, it may represent "North America" or "radio" or both ideas or neither.
4. Since almost all anticipated uses of the new logo are in offset printed or photocopied media, all designs and all submittals are limited to black and white presentations.
5. The letters "DX" are not to be used in the logo, since there are a significant number of NASWA members who do not pursue distant reception. Rather, these members concentrate on the informational or entertainment value of the broadcasts. These people are referred to as "SWL's" (Short Wave Listeners) rather than "DX'ers".

The Association anticipates using the Logo on letterhead, envelopes, business cards, newsletters, advertising and on a new line of souvenirs and "memorabilia". These memorabilia items include coffee cups, baseball caps, tee and sweat shirts, and windbreaker jackets.

Entrants should note that the Competition Jury will base a significant portion of its decision on the ease with which each submittal will reproduce. In general, this means that solid blacks and whites are favored over "shades of gray" tones and that crisp lines and edges are favored over fuzzy ones.

The Association particularly admires the logos of the Ontario DX Association (ODXA) and the Danish Shortwave Clubs International (DSWCI).

COMPETITION ELIGIBILITY

Anyone is eligible to enter this competition. Entrants do not have to be NASWA members. Since Logo design is an element of graphic arts often taught in high school and college art classes, NASWA members are encouraged to inform art and design teachers of this opportunity for their students. These pages of explanation may be photocopied directly from FRENEX and distributed to any person or group interested in entering the competition.

THE SUBMITTAL

The submittal will be either drawn or permanently affixed to a single 11" x 17" piece of heavy cardboard or artist's illustration board. All parts of the submittal except the entrant's identification will occur on the front of the board. Identification of the entrant, including name, mailing address and home phone number shall be written clearly on a piece of paper which is then sealed in a #10 business-sized envelope and firmly taped to the back of the board. \$3.00 shall be included in the envelope if the entrant wishes the drawings returned. All designs submitted become the property of the North American Shortwave Association.

The number and extent of the drawings used to illustrate the proposed design are to be determined by the designer. However, the Association suggests that the designer submit informal drawings illustrating the application of the proposed logo to several of the items mentioned earlier in this document, as well as one formal, neatly presented, "camera ready" version of the logo. This latter drawing would probably measure in the neighborhood of 6" x 6".

COMPETITION PERIOD

Designs may be developed at any time so long as the entries, in the stated format, are RECEIVED in Newport News by the deadline date. Entries shall be sent to:

NASWA Logo Competition
Dr. Harold Cones
2 Whits Court
Newport News, VA 23606

DEADLINE DATE JUNE 1, 1989

THE SELECTION

Selection of a final design for NASWA will be made by the Competition Jury which will consist of the Executive Council of the Association: Don Jensen of Wisconsin; John Herkimer of New York; Jerry Berg of Massachusetts and Glenn Hauser of Texas; the Publisher of FRENEX, Bill Oliver of Pennsylvania, and the Executive Director of NASWA, R. Charles Ripple, of Virginia Beach, VA. These men have experience in journalism, the legal profession, graphic design and publishing and various technical fields. Selection will be made totally anonymously. The Professional Advisor to the competition, Dr. Cones, will receive all submittals by mail, will then make high quality 11" x 17" photo copies of each and mail these photocopies to each juror. The Jury will then rank the submittals and return their ballots to the Advisor for tabulation.

CRITERIA OF JUDGMENT

The Jury will make judgments of overall merit of each submittal based generally on the following criteria.

- A. Appropriateness to the organization and purpose of NASWA.
- B. Overall graphic merit.
- C. Technical concerns of readability -- legibility at various scales and in various formats.

PRIZES

Thanks to the support and interest of several major shortwave organizations, the following prizes will be awarded by the jury:

FIRST PRIZE **Shortwave Receiver contributed by
Universal Shortwave, Reynoldsburg, OH:**

Sony ICF-7601* (list price \$139.95)

SECOND PRIZE **Book contributed by Tiare Publications
"DXing With The Experts"**

THIRD PRIZE **Book contributed by Fine Tuning
"Fine Tuning's PROCEEDINGS 1989"**

*The Sony ICF-7601 received the 1988 award as the Best Portable Shortwave Receiver given by the World Radio and TV Handbook.

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

R. CHARLES RIPPEL
Chairman
Editorial Committee
1272 Parkside Place
Virginia Beach, VA 23454



ONTARIO
DX
ASSOCIATION

DX Northwest
The Pacific Northwest Club for Shortwave Listeners and DXers

SPEEDX

TYPICAL GRAPHICS FROM
RADIO HOBBY ORGANIZATIONS

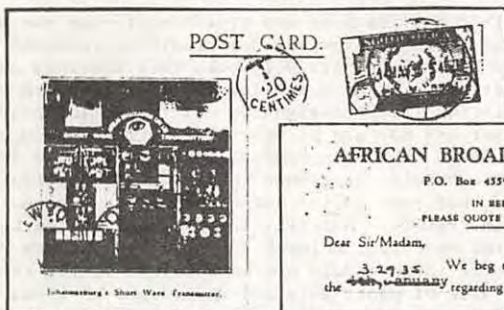
1988



the CPRV page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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



AFRICAN BROADCASTING COY., LTD.
 P.O. Box 4559, JOHANNESBURG.
 IN REPLY
 PLEASE QUOTE POST CARD OF 14th May 1935

Dear Sir/Madam,

3.27.35 We beg to acknowledge receipt of your favour of the 14th May 1935 regarding reception from Johannesburg and have to inform you that we have pleasure in confirming your reception of our Johannesburg short wave station. We would congratulate you on your achievement.

Yours faithfully,
M. J. ...
 For AFRICAN BROADCASTING COY., LTD.

ZQP
 LUSAKA/NORTHERN RHODESIA

THANK YOU for your reception report dated *July 28/38* which we verify. We shall be glad to hear from you again.

Lusaka broadcasts daily to Africans from 15.00-17.00 hours G.M.T. (15.30-16.30 Sundays) on 30.8 (8710 kc.), 41.5 (7220 kc.) and 78.8 (3914 metres); and from 16.00-18.00 hours G.M.T. on Sundays to Europeans.

Northern Rhodesia Broadcasting Station,
 P.O. Box 209,
 Lusaka,
 Northern Rhodesia.

M. J. ...
 Broadcasting Officer.
 Tel. 4118 & 41

To Africa this month . . . 2TJ, the African Broadcasting Co. Ltd., was the great grandfather of today's Radio RSA. The station later burned down. (Check out the P.O. box on this 1935 card.) +++ In the late 40's, ZQP was often heard around 1030 on 9710 kHz., despite a power of only 2.5 kw. The other channels were 500 watts. +++ The Radio Abidjan QSL is pretty much of a classic. This 1952 card was for a 10 kw. xmtr on 4945 kHz., close to its long time channel of 4940. . . . The purpose of CPRV is to prevent the destruction or loss of QSL's when their owners leave the hobby or pass away. If you would like to know more about us, send a business size SASE to the chairman, address above. 73 for now.



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 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 outputs 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. Tnx.

AFGHANISTAN Kabul's City Svc in Dari/Pashtu on 6125 // 4775 at 0130-0230 & again 1230-1530 on 6105/4775 (Union of Asian DXers, Jan) Presumably the single stroke in the latter fq pair also mean parallel, not either-or? (gh)

ALASKA KNLS newsletter says has added four langs, Mondays only at 15-16, quarter hour each: 1500 Light of Life in Cebuano; 1515 Quest for Truth in Ilocano; 1530 Bible Study in Cantonese; 1545 B.S. in Vietnamese (WBI 10/3)

ARGENTINA RAE ancd 26/2: As from Sun 5/3 at 1000 UTC, RAE once again bc EG at times in printed timetable sent to listeners. Offl Arg time after a summer period goes back to what it was before, i.e. UTC-3. Presumably all RAE bcs one hour later from 5/3 (WBI 3/3)

AUSTRALIA R Australia formlang svc: Chinese langs are one hour earlier in summer /whose summers? China's -gh/ than: M-F 04-05 Std 17750 15395. 1030-12 11765 7120 Std. 13-14 Std 7120. 14-1530 Cantonese 7120. 22-23 Std 15170 11730 9720. 23-24 samesame. Other langs: 06-08 FR Af/As/Au 17795 17750 15315. 08-11 Tok Pisin (ex-Neo-Melanesian or Pidgin) 9710 6080 5995. 09-11 Indo 11705 9645. 10-11 JP 11800 9760. 1230-1330 JP 11800 9710. 1230-1430 IN 9645 7265. 1330-1430 Viet 9770 7135. 21-23 IN 9505 6035. 23-24 Thai on 15380 9505. 23-01 IN 15365 11855 (WBI 17/2)

4RPH Brisbane, 1620 kHz, has verified after 4 years to many NZ listeners-- the long delay caused because /sic/ stn mgr died recently and when cleaning out the files found my letter and many others which had not been answered. Addr is : Level 8, Northpoint 231 North Quay, Brisbane Qsld 4000, and the signer was Brendan Taggart, the Deputy Chairman (Arthur Cushen, IDXCI ADXR)

AUSTRIA Printed 3/89-10/89 RAI sked says Austrian SW Panorama ONLY on bcs at Sun 1030, 1130 and 1430; Austrian Coffeetable ONLY on Sat at 1130, 1430, times taken out of otherwise 7-day xmsns of Report from Austria. These features had been on weekend evenings to NAM too, at times carved out of German other days of the week--possibly still the case but not so published. Despite remark on the air thar times of EG bcs would not shift this year due to DST, NAM shift the wrong way!! -- EG at 0130-02 on 13730 9875 (also SAM on 9870); and 0530-06 on 6015 which is now Sackville relay, also used for GM 05-0530, 06-0630, and a very late SP at 0630-07. Austrian sites are also on the air then but do not carry the EG & SP segments. Also to NAM at 11-13 on new 17870 incl EG 1130-12, //6155 13730 Eu, 15450 FE. The 1430-15 EG is on 6155 13730 Eu, 21490 SWEu/EAF, 11780 S&SEAs. Other EG: 0730-08 6155 13730 Eu, 15410 21490 ME; 1630-17 6155 13730 Eu, 21490 SWEu/EAF, 11780 S&SEAs; 1930-20 6155 5945 Eu,

BANGLADESH HS of R Bangladesh now using 15520 1245-1715 ex-6170, G sigs; // 4880 at 1245-16. 15520 suffers co-ch QRM from Moscow SAs svc, but definitely better than former 6170. EG nx bull now hrd well at 1530 (Sarath Weerakoon, Sri Lanka, Jan UADX) Confirmed, but having gone out of band I just can't understand why they have to be on USSR fq, when there are many fqs available. Advantage of 15 MHz vs 6 is that no problems w/static, and sigs don't flutter like 6 MHz in evening. 6170 now being used by DW Trincomalee; USSR s/off at 1500, then Dhacca clear (Victor Goonetilleke, ibid).

HS on SW: 0030-0330 & 1245-16 on 4880v; 0330-0905 7080v; 0430-0905 5195v; 1250-1715 15520. Note: *0030 for winter instead of usual *0000--first time we've noted this 30 min late s/on; is BGD proposing a 30-min winter time ch?

Overseas svc: V of Islam in EG 08-0830 17710 15195; GOS to Eu/ME 1230-13 on 17710 15195; 1815-19 on 11510 7520. No sign of S&SEAs svc at 1145-1215 (Sarath Weerakoon, Sri Lanka, Jan UADX) Rest of ES sked: 1315-1345 Nepali 9775 6240; 14-15 Urdu, 1515-1545 Hindi 9775 11705. 16-1630 AR 11510. 1630-18 BG, on 7520 11510; 1915-20 BG on 7505 11510 (Victor Goonetilleke, ibid)

WBI agrees except: 11510 and 7520 for all bcs 16-20 (WBI 24/2)

BHUTAN BBS sked to install 50 kW xmtr given by India in April this year. Currently 10 kW: Mon-Sat 11-15 w/EG 1415-15; Sun 06-10 w/EG 09-10. EG begins w/nx incl wx, rest is western mx (Sarath Weerakoon, Sri Lanka, Jan UADX) Very noisy channel in eves; also inaudible Dec/Jan at 09 as 200+ sunspots mean fq is absorbed (Victor Goonetilleke, ibid)

BOTSWANA R Bots reported 20/2: Minister for Presidential Affairs and Public Admn, Mr Ponatshego Kedikilwe, says in 1989-90 financial year, his dept will install 50 kW MW xmtr at Orapa, to significantly improve coverage in Chobe district, esply nites. Daytime reception will continue to be thru SW (WBI 24/2)

BRAZIL R Canção Nova now using 3 SW xmtrs; hrd on new 9675 from 2300 w/Braz pop mx past 0030, strong 4/3, //6105 & 4825 fair; at 2307 full ID for "R Canção Nova" SW, "R Bandeirantes da Cachoeira Paulista" MW; using 10 kW on 31 & 60 m, 5 kW on 49 m (Ernie Behr, Kenora Ont, 9/3)

BURMA Burmese Army Stn at Taung-gyi on 5060 has not been hrd since mid-June 1987, contrary to some reports (Sarath Weerakoon, Sri Lanka, Jan 89 UADX) Agreed; report of BBS Rangoon on 5060 //5985 a while back is still very skeptical, however much some try to palm it on Rangoon's 5040 operation w/new xmtr; obviously image wrongly assumed on a poor rx (Victor Goonetilleke, ibid)

CAMBODIA V Of Kampuchean People ancd 27/2: Happy to inform that we'll carry trade ads and other anmts between 00 and 0030 gmt, 06-0630. Anmts such as death anmts, missing children, etc. Contact office of VOKP, phone 2 2969 and 2 5383. Most happy to be at your service, comrades, ladies & gentlemen (WBI)

CANADA RCI M89B sked in EG effective 2/4 to 6/5: 03-0329 M-F & 03-0359 S/S Vienna 11730 to ME. 04-0429 M-F Vienna 15275 ME. 0515-0530 & 0545-0600 M-F 9750 6140, Dav 7295 6050 Eu; Dav 15180 11775 Af. 0930-0940 M-F 9755 5960, Montserrat-930 Carib. 1158-1259 M-F 17820 Carib, 11855 9635 USA. 13-16 Sun 17820 Carib, 11955 USA. 13-1329 Xian 15435 11955 /as if Sunday Morning didn't have enough QRM already, RCI now QRMs itself/ to India; Yamata 17810 15270 SE As. 1445-1459 15305, and Mon-Sat 21545 & 15305; Dav 15325 11935; Sines 15315 11915 all to C&EEu. 1615-1629 21545 17820 15305, Dav 15325 11935 C&EEu. 18-1829 M-F 17820 15260 Af; 18-1859 S/S same. 1830-1859 M-F 17875 15325 11945 Eu, Dav 7235 5995 Eu. 19-1929 M-F 17820 15260 Af. 21-2159 15325 11945 Eu. 2130-2159 17820 15150 11880 Af. 22-2229 11905 9755 5960 USA. 22-2229 Yamata 15440 & 11705 SEAs. 23-2329 11730 9755 Carib, Montserrat 930. 2330-2429 (Sun/Mon to 0059) 9755 5960 USA. 01-0159 Sun/Mon 11940 11845 9755 9535 LAm; 02-0259 Tue-Sat same. (RCI Engineering, 20/2)

Look for SWL Digest: UTC Sat 03+, 21+, 2130+, UTC Sun 00+, 0130+, 23+; Tue 1230+, 19+, UTC Wed 04+ (gh)

CHINA R Beijing, 19/2 22-2230 in EG on 3985.1; world nx, comtry, 2205 ID, weak (Nick Terrence, Huntington NY) Swiss relay, now maybe an hour earlier

Xinhua reported 4/3: CPBS has 630 megalisteners, more than half the country's population, People's Daily reports. Moreover, more than half of them are regular listeners, per sample survey by China Social Investigation Institute on 3 kilopeople in 29 provs and autonomous regions. Most popular pgms are the News & Newspaper Excerpts in the morn w/585 million listeners; Local News Network Programmes /sic/ in eve w/580 mega. Some 460 mega listen to Half an Hour at Noon, nearly 500 mega to lit & art pgm at 8:30 pm. Nearly 70% of them still listen to radio even at peak TV time in eve (WBI 10/3)

DENMARK SCDX interviewed Jorgen Madsen, head of R Denmark SW svc, 8/2: Have not had opportunity to negotiate w/Norwegians yet, but plan to; I think during this year we will go on air from Norwegian xmtrs and by then our xmtg problems should be solved. Quickest way of coping w/problem, and Norwegians have xmtr time left and why shouldn't we use it? Have to solve first financing problem. Opposition in parliament suggests state should finance all SW pgms, and there is a majority for the state to pay for at least the xmtr costs (WBI 17/2)

EGYPT R Cairo on new 6194, from 0300 AR to 0400 f/out, QRM from CBC, 7/3. // 9900 much stronger to 0328*. On 11875.1 from 1730 Afr lang & NA to 1814*, may be Sindebele, 26/2 (Ernie Behr, Kenora Ont) WBI has AR to Am on 6195 at 0330-0430, 9900 at 0030-0330. 1730-1815 on 11875 Ndebele. Same fq for 16-1645 Zulu, 1645-1730 Shona. Highest fq is 17800, for AR to Af 11-1130 (WBI 3/3)

GERMANY WEST Thomson-CSF press release 8/2: After extensive intl call for tenders, Thomson-CSF awarded contract by US Board for Intl Bcing to supply three high-power (100 kw) SW radio xmtrs for RFE/RL. Xmtrs to be installed at Lambertheim and Biblis xmsn centres (WBI 17/2)

HAITI R Nationale reported 2/3: Judge has ruled in favour of R Antilles Internationales. FM 93.5 stereo, object of litigation, restored to Jacques Sampeur, authorised to immediately resume bcs, which'd stopped last Oct. RAI lawyer Osner Febry says victory of law over arbitrariness & injustice. Judge declared that Lucien Adam of Conatel, and Franck Paultre, Min of PubWorx, Transport, Comms, violated law on telecomms. Ed note: also believed to op on 1240 kHz (WBI 10/3)

HUNGARY MTI nx agcy reported 15/2: Bcing in Hungary expected to be liberalised w/in a year complying w/intended new post law, to be passed by parliament this year. From 1990 all Hung business assn, entrepreneurs, allowed to carry out commercial bcing. At present, identity of the 10-12 interested parties is a business secret. Currently, only one commercial radio, Danubius, comml venture of Hung Radio, bcing in German in summer, rest of year in HG. Some remaining tech and financial obstacles; not established if fq bands available. Per prelim figures, costs 5-10 megafornits (9.2 to 18.5 kilobux) to bc to a medium-sized Hung town, whereas over a gigafornit (18.5 megabux) needed to allow bcs over 90% of Hungary's area. A bcing system would be supplied by Hung industry in a sesquieyear, while forn systems are available in 6 or 8 months (WBI 24/2)

Kossuth R reported 5/3: Correspondents for RFE have rcvd permission to operate in Hungary. Min of Forn Affairs says in our country forn journalists are entitled to same rights as Hung colleagues. Among others, Reuters, BBC, NY Times, Frankfurter Allgemeine Zeitung, have accredited corresps in Hung and shortly journalists will arrive from S Korea, Israel.

Kossuth R reported 1/3: Per public opinion polls, about a quarter of adult population listens to forn radio stns. Joint assessment by forn radio stns gives roughly same result (WBI 10/3)

INDIA AIR Delhi, 11880, from *2258 IS & SAs langs to 0115*, maybe Hindi/Tamil/Burm; G since RNE is gone, 5/3 (Ernie Behr, Kenora Ont)

Number of AIR stns will be doubled by next 12 months. Also AIR expecting start roundtheclock xmsn sometim later, per Krishnakumar, Depy Minister for Info & Bcing, on AIR nx 10/11 via Pradip Chandra Kundu, Tripura, IDXC1 ADXR No. 1 for 1989)

AIR has for some time wanted to bc to the large Indian community living in California, Florida but has been unable to find adequate fq exchange facilities. Had the Indian authorities, esply the info & bcing ministry, taken Fren-

ch proposals made in 1986 and 1987 more seriously, agmt could've been signed between Paris and New Delhi instead of Paris and Beijing. As result of enthusiasm generated by the year of India and France, a proposal for exch of fqs had been put forward w/backing of the French for office and the Indian embassy in Paris. Emb had formally written to info & bcng ministry prior to visit to India in March 1987 by then French for minister Jean Bernard Raimond, describing the proposals, and Suresh Thakur who at the time headed AIR had expressed his keeness to bc to the US in EG, Hindi, Punjabi. For some obscure reason the proposals tho formally brought to notice of then info & bcng secy Gill were never examined seriously and the embassy's reminders remain unanswered (Times of India, 20/11/88 via J F N Kalyanvala, IDXC I ADXR 1/89)

INDONESIA IDXC HQ staff member Prodyut Banerjee is sailing between India and Australia aboard the m/v Tulsidas thru Indonesia, and reports his observations in a letter dated 12/11/88: a thrilling voyage, a good feeling to once again sail out on long voyages, and what more to ask than a route through Indonesia! My log book has started filling up, almost 99% Indonesian. Quite a thrilling experience to hear some of the flea-powered RPD stns in Sumatera and Java. I have begun a project to monitor as much as possible the RRIs and RPDs in Sumatera, Riau and Java but it is not going to be easy! This issue I report only the major ones. Most interesting has been an RPD on Bellitung as we passed 5 miles from the island. Even so, sigs only fair. Listening time has to be limited unless it gets too exciting, to catch up some sleep, but once in a while you just can't sleep when the Lagu Pops and the Pilihan Pendengars are on the air! Sea log, off Sumatera in October:

3460, RPDT2 Aceh Timur Langsa, one of the strongest RPD stns in Sumatera and also perhaps the best modulation. Carrier on as early as 2245 and straight on plugs to nx relay from Jakarta at 2300. Has fastest ID anmt, but a slightly slower version after the 2300 nx, maybe because ancr not quite fully awake. Hrd past 0130, eves *10-1630*.

3879, RPDT2 Tapanuli Utara Balige (with a hard C), fairly good from *2245 past 0030, 1130-1545*

3009, RPDT2 Bengkalis, seems new stn on SW; on island of same name, under province of Riau, off SE coast of Sum, close to Singapore. Hrd w/C sig from arnd 13 past 1430. Once had vy lively listeners req pgm Pilihan Pendengar, lots of DJ chatter, occl IDs. Ancd addr as Jln -- Nomor 52, Bengkalis. Seems to get a lot of mail from Malaysia and Singapore too. Sadly, audio quality only fair and often distorted. Unhrd during morn 23-01 period. Hope stays on air for some time. We actually sail about 15 mi off the island.

3615, 3699, unID Indos, hrd in 12-15 period, no ID due vy weak. Could not trace these: 3830 Labuhanbatu Rantauprapat; 3855 RPDT2 Dairi, Sidikalang; 3580 RPDT2 Asahan, Kisaran; 3900 RPKD Karo, Kabanjahe; 3428 RPDT2 Indragiri Hilir; 3316 RPDT2KM Simalungun, Pematangsiantar, as in 1988 DSWCI TBS, and can only hope they are off temporarily (IDXC I ADXR 1/89)

IRAN IRITV reported 8/2: Coinciding w/celebrations of 10th anniv of victory of Islamic rev, from today two 500 kW SW xmtrs inaugurated at Kamalabad in Karaj (WBI 17/2)

IRAQ R Baghdad, 11880, from 0230 EG pgm & NA to 0417*v, G 7/3; //9515 much stronger. On 11880 in AR to 2310*v, //11840 11750 15110 (Ernie Behr, Kenora) EG presumably moves an hour or so earlier when Iraq on DST (gh)

ISRAEL V of Hope obs resumed bcng on 6280, 945, 684 kHz when checked at 1420 27/2; at 1430 ancd that SW would separate to carry variety of pgms in various worldlangs, and xmsn on this fq continues until 2200. Unk whether stn still op from S Lebanon /qv/ or has now transferred facilities to Israel as was reported by R Leb on 9/2 (WBI 3/3) Flyer from High Adventure says stn bombed out of previous site, now in "promised land," but not explicitly Israel tho George Otis pixured w/Israeli soldier (gh)

IBA M89 ES fq sked until 7/5 implies no DST time change before then, and no fqs now used lower than 11585! EG: 00-0030 & 01-0130 15640 15615 11605. 02-0230 15615 12077 11605. 05-0515 17685 17630 17590 15640 15485 12077 11585. 11-1130 21760 17685 17590 17575 15650 15485 11585. 18-1815 11585 11655. 20-2030 17685 15640 15485 15095 12077. 2230-23 17575 15640 12077 (Bezeq) Hope I didn't miss any fqs as hard to see in new graphic format (gh)

J A P A N

Radio Japan broadcast special programs as to the Emperor's death and the end of Showa period on Jan 7 and 8. R. Japan increased transmitting frqs in these days. Monitoring observation shows 17825kHz and 1800kHz via Africa No. 1. Gabon were prolonged the transmitting time. The special program and frq arrangement have been continued until 0400 on Jan. 8.

In response to the Emperor's death provisional 24 hour broadcast of the General service has been closed and returned to regular xmsn of 22 hour per day. [cf. LN Jan. page 18] (Tetsuya Kondo, Toru Yamashita)

Yuki Sakagami, one of the staff of R. Japan Arabic section, also an Arabic-speaking Japanese DXer disclosed that R. Japan would change its xmsn time of Arabic bc as from this April. It intends to assign 1830-1900 period in place of 1630-1700. (Toru Yamashita)
(E Asian DX News of Asian Broadcasting Institute, 16/2 xlted by Tetsuya Kondo)

R Japan mystery relay on 6210 in EG at *0300-0350*, still there w/weak sig 7/3, but was off air UTC 6/3; has same satl delay as 5960 /Sackville/ but closes 10 min earlier, obviously not a spur; fq not ancd & RJ DX pgm seems unaware of it (Ernie Behr, Kenora Ont, 9/3) That svc now changed to usual summer slot of 0100. Since DW has an EG pgm of exactly that duration, 03-0350, I suspect it was somehow mixed up with it; 6085 is halfway between 5960 and 6210, but site for it unknown (gh)

KENYA KNA nx agcy reported 16/2: Minister for Info & Bcing, Mr Waruru Kanja says newly-formed KBC is expected to operate strictly on commercial lines. Pgms offered to public must be greatly improved and also be capable of selling easily. Corp would also hire competent staff based strictly on merit (WBI 24/2)

The Standard reported 22/2: High Court has ordered that a former Deputy Chief News Editor of VOK newsroom, Joseph Mulomi, who lost his job after airing a supposedly embarrassing nx item on the Nigerian coup plot in 1984, be reinstated w/full costs and salaries for the lost years. Was also alleged to have conducted himself in complete disregard of guidelines in nx editing, but a Nairobi resident judge said Mulomi was penalised in a manner 'that beats common sense and rationale' (WBI 3/3)

K O R E A (DEMOCRATIC PEOPLE'S REPUBLIC)

Korean Central News Agency reported on Jan. 1. Pyongyang FM B. S. started to operate on that day. It broadcasts Korean music and world famous music and radio drama from 1200 to 2000 on 105.2 and 92.5MHz, especially bc "all day long" on holidays.

A South Korean newspaper Chosun Ilbo reported on Jan. 17, this stn can be heard around the central part of S. Korea. The relevant authorities of Government said that recent observations revealed two frqs were transmitted from Pyongyang and Kaesong with 20kW outlet. The programs consist of music of 90% (classical music and songs) and satirical drama of 10%.

And Dong-A Ilbo reported on Jan. 19, the Government has decided that it would "cut off" [interrupt] this stn.

Monitoring observations in Seoul, S. Korea between Jan. 30 and Feb. 3 shows only 92.5MHz can be heard in Seoul, and presumed to be radiated from Kaesong. The aforementioned 105.2MHz is presumed to be from Pyongyang. IS of this stn is 8 opening bars of "Song of the dear leader Comrade Kim Jong Il", same IS had been used by N. Korean clandestine V o the Revolutionary Party for Reunification, former name of V o National Salvation from Jan. 1977 to Aug. 1985. ID of this stn is as "Pyongyang FM Pangsong imnida". It has been jammed by a carrier (no-modulated) on same frq since Feb. 1 1200UTC.

N. Korea has been estimated to adopt FM frq band of around 66-75MHz like USSR, actually Pyongyang B.S. has been heard on 72.59MHz. North Korean people can not listen to Pyongyang FM B.S. using 105.2 and 92.5 MHz, therefore this new FM stn is suspected to be with tingle of propaganda for S. Korea. Its bc consists of Korean music and classical music and radio drama. The classical music has been not bc from N. Korean radio stns since 1950's. [cf. S. Korean FM band: 88-108MHz]
(Toru Yamashita)

(E Asian DX News, Asian Bcing Institute, 16/2 compiled & xlted by Tetsuya Kondo)

Seoul newspaper, Hangyore Sinmun, 8/2 editorialized against jamming the NK FM bcs; says jam aeriels are in Koyang county in Kyonggi province, and Taenung-Tong, Taechi-Tong, and Oru-Tong in Seoul, also QRMing domestic TV (WBI 17/2)

LAOS Seems that prov stns slowly fading away from SW spectrum. 13/1, only Savannakhet on 7353 hrd arnd 1230. None of the regulars like Pakse 6640, Houa

Phan 4658, Udon Sai 4540, Luang Prabang 7163v hrd during recent monitoring. Xieng Khouang was on 4990v from Oct to Dec last year but that too missing now. Only SW ops are: Vientiane 2130-0230, 0330-07, 09-16 on 6130; capital svc on 4440 at 2230-01, 04-0630, 10-1230. Extl svc on 7113v at 1130-14 w/EG segment 1330-14 observed 14/1, w/het from Thailand on 7115v (Sarath Weerakoon, Sri Lanka, UADX Jan)

National R of Laos, ES on 7116v and 1030, usual langs and times w/other EG at 01-1030, 06-0630; plus French to Eu via USSR at 11-1130 15190 11870 (WBI 17/2)

BBCM also has Laotian info, but many of the fqs seem to be taken from the skeds Laos send out bearing imaginary nominals (gh)

NRL, DS. SW fqs of regionals subject to constant variation; this sked shows most recently reported channels. Most regionals carry the 00, 05, 12 and 14 nx from Vientiane, and some also carry a relay of the 0430 LPA pgm.

Vientiane on 6130 640 580: 22-03, 0330-07, 0930-16. Pgms include: 22-2230 pgm in Mong. 2230-23 Laotian People's Army pgm. 0330-04 Mong, 0430-05 LPA pgm repeat /bf or at?/ 1230. At 1030-11 6130 repeats 2330-24 pgms for various population segments, whilst 580 splits to carry relay of R Moscow in Laotian. 13-1330 Mong pgm. 1430-15 International feature.

Houa Phan on 4500 & 1000 in Laotian/Tribal, 23-0130, 11-1330 w/local nx at 2330, 1130. Luang Prabang on 7000 & 850, Laotian/Tribal at 2230-0130, 04-06, 10-13 w/local nx at 23, 04, 0530, 11, 1230. Oudomsai on 4250 & 800 at 2230-0030, 11-13 w/local nx at 23-1130; in Laotian/Tribal. Pakse on 6604 & 1350 in Laotian/Tribal at 23-02, 04-06, 10-1415 w/local nx 2330, 04, 10, 1315. Savannakhet on 7353/7100 /sic--either-or? Variation range? both?/ in Laotian at 2230-01(Sat/Sun 0130), 0430-06, 11-14 exc Sat/Sun 1030-1430, w/local nx at 2330, 0430, 1130; also on 585. Vieng Xay on 4285-unconfirmed in Laotian/Tribal at 10-1115. Vientiane Capital R on 4440 in Laotian at 2230-01, 0430-0630, 10-1230 w/local nx at 2330, 0430, 1130. Xieng Khouang on 5000 & 1200 in Laotian/Tribal at 23-0015, 0430-0530, 10-13 w/local nx at 2330, 1030; and the 0430 hour is relay of Vientiane (WBI 3/3)

Obs since 9/1 show Savannakhet regional now on 7385 and 1420 instead of 7393 and 585. Bcs in Laotian & tribal langs weekdays 2230-01, 0430-06, 11-14 and Sat/Sun 2230-0130, 0430-06, 1030-1430. Local nx at 2330, 0430, 1130, and nx relayed from Vientiane at 00, 05, 12 (WBI 10/3)

LEBANON R Lebanon reported 9/2: Per reports from occupied border strip, the agent militia's radio stn V of Hope stopped bcng 5 days ago. People arriving from so-called security strip say stn closed down, and Israeli tech units had dismantled xmtrs in Dardarah plain, between Marj Uyun and Khayam and moved them inside the Zionist state. VOH established in 1972. Past 3 years, target of 3 attax by resistance fighters and in one of them bldg housing stn was completely destroyed /sic/. Al-Nahar, Beirut, reported 13/2: spokesman for media and guidance branch in the Army of S Lebanon responded to reports that VOH, whose AR-lang pgms supervised by the branch, has stopped xmsn. Said would resume in early March at latest, after tech team completes improvements designed to boost xmsn. Ed note: not hrd since 4/2 (WBI 17/2) see also ISRAEL

V of the South, Marj Uyun, in AR on 1485 kHz at 05-19. Stn was set up by Israeli Defence Ministry and bcs to Shi'ite inhabitants of S Leb. Describes self as voice of co-existence and love, first hrd 12/7/85. Initially IDed as Voice of All Lebanon from the South. V of Israel reported in Jan 89 that xmtg power would be increased to extend coverage to Damascus and N Leb and that the S Leb Army had set up an info apparatus to coordinate betw V of South, V of Hope and Middle East TV. During summer time all pgms one hour earlier (WBI 3/3)

LIBYA Monitoring research 5-12 Mar: Since 5/3, Libyan radio obs on new 7235, // regular 15450 15415 15235. 11/3, 15405 instead of 15415 but back to 15415 on 12/3. All four HF channels apx *1100 w/ES V of Greater Arab Homeland pgm in AR at apx 1115-1315, 1745-0430. At 1315-1745 all fqs usually relay DS in AR (WBI 17/3)

MALDIVES On the following pages we present a report from the Union of Asian DXers in Sri Lanka, which we are delighted to see has resumed publishing, as NASWA has had a longstanding exchange of bulletins with UADX. Despite the uncertain political situation in SL, Victor Coonetilleke & Sarath Weerakoon vow to continue UADX; contact Victor at "Shangri-la", Kolamunne, 298 Madapatha Rd, Piliyandala, Sri Lanka (gh)

MALDIVES ATTEMPTED COUP D'ETAT

A group of foreign mercenaries hired by a Maldivian businessman Luthfi started a coup to overthrow the government of the Maldives headed by President Maumood Gayoom. In a pre dawn attack on November 04 (Thursday) the armed men numbering around 300 (later put at about 75 Ed) captured several government installations including the radio and TV stations at Male. One official of the VOMaldives was ruthlessly killed by the invading mercenaries, while on his way to the station to begin the dawn transmission.

The Voice of Maldives on 1458 kHz (5kW) was silent on the day of the attack. After Indian paratroopers arrived in response to an urgent appeal made by the Maldivian Govt the mercenaries fled Male early on Friday in stolen boats taking with them 27 hostages.

On the following day the Voice of Maldives resumed broadcasts on 1458kHz at 0245UTC playing the National Anthem. Immediately after that President Gayoom addressed the Nation in Divohi in which he said that information available revealed that a few Maldivians were behind the attack by armed mercenaries and said that Maldivian and Indian troops were now engaged in joint operations to apprehend those involved. The President commended the calmness of the Maldivians during the attack and said that the memory of those who sacrificed their lives will always be cherished. He also commended the National Security Service of Maldives and said that he was proud of their role during the attack. We praise them for their historic efforts in protecting the independence and Sovereignty of the country and in saving the Maldivians from the inhuman and merciless acts of the traitors.

VOMaldives suspended normal transmissions and played music which was regularly interrupted for the following announcement "Special Announcement by the Ministry of Defence and National Security. Investigations are being conducted by this ministry into the attempt made on Thursday to overthrow the Government by some foreign mercenaries in cooperation with a few Maldivians. The apprehension of all those who were involved is being carried out. Hence all those living in Male are requested to refrain from going out of their residences except for essential needs. At the same time any person or persons on board vessels at sea in the vicinity of Male are requested to cooperate with the Security Forces by submitting themselves by raising their hands for checking and give honest and clear answers to any questions that they may ask"

Saturday was declared a day of National mourning to pay homage to those who died in the attempted Coup. Throughout Saturday VOMaldives was heard broadcasting readings from the Holy Quran (Sarath Weerakoon For UADX!)

Editors Note: Around 7.30 a.m. just about 3 hours after the attack by the mercenaries was launched I heard a radio transmission on 7060kHz from the National Security Service HQ and they were in contact with a Sri Lankan person. This link went on for 48 hours. As early as that..I think the mercenaries took the entire Maldives by surprise and in a matter of minutes had taken over all the important establishments in Male the Capital Island. Only thing left was the National Security Service HQ and the airport. The airport is on another island. Whatever is now being said is quite different to what really happened. The NSS was surrounded and they were desperately calling for help, saying that they were outnumbered and the enemy was better armed. They said amongst other things that, if help didn't come before nightfall everything would be lost. The only thing that saved the Govt is the fall of the rebels to capture the President. The moment he escaped and appealed for outside help the only thing the rebels could do was to hope that the Govt would surrender and they were giving them deadlines. They were mercenaries and had come for a job and they obviously were not going to risk their necks. Even if they had stormed the NSS and killed Gayoom regional politics would have still turned its wheels. If the President was captured and the new leaders proclaimed their Govt, it would have been "An Internal Affair for the Maldivian People" and the new Govt which only wanted to satisfy their internal ambitions would have toed the regional political line. So much for the independence and Sovereignty of Nations! After all Super Power politics is that they will accept A,B,C or even Z as the Govt, better still a computer as long as it can be programmed from their Capitals. P.S. Of course credit must be given to the NSS for holding out though the main reason why the enemy didn't attack was that they didn't have 300 or 400 heavily armed men as the NSS thought. The rebels killed only in that first rush to grab the President and when that failed their whole plan went haywire!

THE MALDIVES ISLANDS: The Maldives Republic consists of nearly 2000 islands which are coral atolls spread across 500 miles North to South of the Indian Ocean. It was a British Protectorate for 78 years until 1965 when it obtained independence from Britain. Britain had a military base in one of the islands for about 8 years before the country gained independence. The population of the Maldives is about 300,000, the majority of them are orthodox Sunni Muslims. Male the main island is just one and a half square kilometres in size and has a population of about 60,000 people. Maldives is one of the world's small states very vulnerable to the politics of Super-Powers and the wiles of international bucconerine bandits. This was the second attempt by mercenaries to overthrow the government since Maumoon Abdel Gayoom (51) came into power in 1978. (The country has a 2 party system. Gayoom is very popular and received almost 98% of popular votes cast in recent elections where he was the sole candidate. The political system is not the Westminster type democracy. The Peoples Majlis (like a parliament nominates a candidate who has to get popular approval. The system there is feudal where a few families control the country. Gayoom is a sort of benevolent dictator and moves with the people and is very popular. As long as the tourist boom and its shipping industry keeps economic problems away the vast majority of its people don't care about its politics. These coups are the result of family feuds within the Maldives. (WG)

Apart from 1458 kHz the Voice of the Maldives broadcast on 104.2 MHz. The station did not use short wave (4754) during the crisis. (The only HF operation during the crisis was the 7060 USB transmitter at the NSS and the Hullaale Airport Control tower. (WG)

ED final note: Thanks Sarah for a very interesting story and the details. Reader will note that UADX is not just a bulletin with station schedules and frequencies. Our style of bulletin is rather unique. Ours is a Media Magazine with information on HF broadcasting with a political flavour which is unavoidable because we provide the background to radio events and stations. Your views are sincerely appreciated. Indeed it can get us into controversy, but that is a pain unavoidable. Our pages are absolutely open for any shades of radio related opinion as long as they do not have a personal nature directed at individuals.

MALI RTM Bamako, 11960.15, from 0700 Afr talk mx, 0711 FR talk, strong Sun 26 /2; //9635.3 QRMD, 7284.6 & 7110.1 clear (Ernie Behr, Kenora Ont)

M O N G O L I A

R. Ulan Bator, external service of Mongol R. has started JP bc since Jan. 20. This is 30 min pgm bc twice a week, Tue. and Fri. and repeated on the next day (local time). Monitoring observations shows all xmsn skd is as follows: 0910-0940 EG, 0950-1020 MG, 1020-1050 MG, 1055-1125 CH, 1125-1155 CH, 1200-1230 EG (not Tu and Fr), JP (Tu and Fr), 1255-1325 MG, 1330-1400 CH, 1400-1430 MG on 12015 and 9615kHz. 1445-1515 EG on 15305 9575kHz. 1640-1710 FR (Mo We Fr), 1720-1750 FR (Mo We Fr), 1800-1830 FR (Mo We Fr), 1840-1910 FR (Mo We Fr) on 11870 9560kHz. 1940-2010 EG, 2020-2050 FR (Mo We Fr) on 11870 9645. 2100-2130 CH, 2210-2240 JP (Tu Fr) on 12015 and 9615kHz. Its announcement in EG states using of 21770kHz at 0910-0940 xmsn, however this frq is not transmitted actually. (Kunihiro Nishida, Shigenori Aoki)

R. Ulan Bator tx of 12015kHz has many spurious waves: 12087.6, 12063.3, 12039.2, 12015.0 (genuine), 11990.8, 11966.6, 11942.4kHz, with a space of 24.2kHz between. Especially 12063.3, 12039.2 and 11990.8 have good reception. Spurious waves from 12015kHz tx have been observed about these 5 years. (Tetsuya Kondo)

(E Asian DX News, Asian Bcing Institute, 16/2, xldd by Tetsuya Kondo, Japan)
Monitoring 9-15 Feb: Opening anmt at 1940 9/2, RUB gave EG sked: 1910-1940 on 21770 & 12015. 12-1230 on 12015 & 9615. 1445-1515 on 15305 & 9575. 1940-2010 on 11870 & 9645. /WRONG--the first entry of 1910-1940 should be 0910-0940, and see ABI above/ Anmts and monitoring indicate RUB FR svc now Mon/Tue /Thu/Fri at 1720-1750, 1755-1825, 1840-1910, 2015-2045 on 11870 9985 9645, for Eu/Af. 9645 not confirmed (WBI 17/2)

NEPAL When solar activity is quite high, 6th harmonic of 5005, 30030 kHz is hrd almost daily giving plenty of enjoyable listening hours; especially it's sweeter because the fundamental is not hrd for propagation reasons! (Jan UADX) 5005 is sked: 0015-0445, 0715-1015, 1145-1715; also for ES in EG 1115-1145 (")

NETHERLANDS In case you haven't hrd, since 26/3, RN has permanently retimed

EG to NAM two hours earlier so we won't have to stay up so late: 0030-0125 on 15315 6165 6020; 0330 on 9590 6165 (gh)

NETHERLANDS ANTILLES R Ned still jamming 31m w/noisy spurs from 9590 & 9715, but since 4/3 all spurs have moved 5 kHz; now on 9550 & 9630 from 0230, on 9675 & 9755 from 0530; spurs noted since 1987, but stn continues to ignore problem (Ernie Behr, Kenora Ont, 9/3) 9590 still on at 0230 but now in SP from Flevo; 9715 still from Bonaire at 0530 but now in DT (gh)

NICARAGUA La Prensa reported 23/2: R Catolica director Msgr Bismarck Carballo again sent req to Interior Ministry media dept to re-open the "Iglesia" ("Church") nx bulls that had been bc 3x a day. Req referred to spirit of CAM president's joint statement 14/2. Said forced to suspend nx in 7/88. Central Org of Trade Union Axion also demands resumption (WBI 3/3)

PAKISTAN R PAKISTAN, Karachi/Islamabad, ES: 0045-0230 Urdu As 21490 17660. 01-0245 Bengali As 17895 15190. 0230-0245 EG slow nx As 21490 17725 17660 15115 9495. 03-0345 Swahili Af 21575 17725. 0330-0415 Persian ME 17660 15605. 04-05 Gujarati EAF 21571 17725 incl Urdu nx 04-0403. 0430-0645 Urdu ME 21580 17660 15606. 0515-0615 AR ME 17870 15565. 07-0745 Turki for Afghanistan 9860 9495. 0715-0815 Burmese 21595 21475 17785. 0715-1105 Urdu/EG Eu 21575 17660 incl EG nx 08-0803, 1005-1010, 11-1105. 09-0945 Tamil As 21475 17720. 1015-11 Indo 21595 21475 17785. 1105-1120 EG slow nx Eu 21575 17660. 1115-1230 Hindi As 15515 13665. 12-13 AR ME 21740 17660. 1230-1445 Bengali As 17895 & 15295 incl Sylheti nx 1427-1442. 1315-1545 Urdu ME 21740 21580 17660 15605. 16-1630 EG ME/AF incl slow nx 1615-1630 on 21740 21580 21480 17895 17660 and 15605. 1645-1745 Turkish Eu/ME 17660 15605 13665. 1645-1718 Urdu Eu 15545 & 11570. 17-1745 Persian ME 12005 9475. 1718-18 EG Eu 15545 11570. 18-19 Eu Urdu 15545 11570. 18-19 Urdu Islamabad pgm ME 15150. 1915-2015 FR Eu/ME on 15545 11570. Total weekly output: 233.20 hours, led by Urdu 90.11, then Bengali 28, AR & Dari 14 each, EG 11.54 hpw (WBI 17/3)

PAPUA NEW GUINEA RA Communicator 5/3 had this report from Gordon Darling in Port Moresby: /BBCMS rarely names individuals reporting info it copies--an exception in this case since Darling used to work for them/ Govt ancd that a review will take place of opns of NBC. Vy few details so far, but seems long term view of increasing funding by govt. 22/2 press reports gave details of NBC finances: spoxeman confirmed had over-expenditure of 570 kilokina in 1988, w/total over-exp of 1.223 megakina since 1983. Major parts of unfunded projects: 830 kk for utes--electricity & telecomms svcs; 193 kk installation costs for new xmtrs in 1988 w/Jap grant-aid; 200 kk for overstaffing level of 175 posts. Spoxeman said govt funded only 611 staff for NBC and the extra 175 were not funded. Plans now to retrench 62 surplus staff during coming year (WBI 17/3)

PARAGUAY Ultima Hora reported 21/2: exec branch this morn promulgated decree 141 allowing several AM & FM stns to operate, incl R Nanduti, which no longer faces any restrictions. Following stns granted AM licences: R Presidente Stroessner (in city of same name /no it isn't, renamed Ciudad del Este and presumably stn would be too! -gh/); R Ycua Mandyyu, San Pedro; R Primero de Marzo, Asuncion; R Mbaracayu, Pedro Jan Canballero /sic/; R Guaira, Villa Rica; R Comuneros, A; R Arapizandu, San Igancio; R Panambi Vera, Villa Rica; R Asuncion, A; R LV de las Misiones, San Juan Bautista; R Nanduti, A; R Carit--tas, A; R Mariscal Lopez, Bella Vista. Following granted FM: Radios Cerro Cora (location unk), Cardinal, A; Primero de Marzo; Canal 100, A; LV del Am--mbay, Pedro Juan Caballero, Pres Stroessner /sic/, Nanduti. Decree added that ea licence is temporary and must be renewed every year by req of concessionaire, provided stn and opn in line w/current legal, tech guidelines (WBI 3/3) SW not mentd, but first step to going on SW is to have a viable AM/FM stn

4800.7 Perú: Radio Onda Azul, Puno; Gracias al informe de Sr. Julian Anderson, yo pude observar la reactividad del servicio de transmisión en ondas media & corta, durante mi estadia en la ciudad de Puno. *0910-0955 vvg el día 30/12/88 en Hotel Isla Estevez, Lago Titicaca. Después de la prueba musical se identificó: "Onda Azul transmitiendo desde Puno, en 640kc onda media y 4800kc banda de 60 metros onda corta. La radio al servicio del pueblo." y seguidamente un programa titulado "Llaqtay Uq'u Manta" en Quechua y "Desde el alma de mi pueblo" en castellano. Es un programa madrugador, presentado por el departamento de producción Quechua de Radio Onda Azul, el cual se compone de música folklórica regional

y del servicio de comunicados & mensajes para los oyentes campesinos que hablan Quechua. Nota: Radio Onda Azul, la emisora del obispado de Puno, sufrió un atentado dinamitero siendo aproximadamente a las 23:55 en hora local, el día 5 de Julio de 1988. Una descarga destruyó totalmente la unidad de sintonía. algunas de sus partes han sido encontradas a unos 100 metros de donde estaba ubicada. La segunda explosión destruyó totalmente la base de antena de onda media, la que tiene 75 metros de altura. Eran los nuevos equipos de Radio Onda Azul, los mismos que fueron puesto en funcionamiento hace unos pocos meses. Igualmente el 3 de Agosto de 1986, Radio Onda Azul sufrió un atentado similar y su antena fué destruido completamente, paralizandó sus labores radiales por varias semanas. Desde el 30 de Agosto de 1988, día en que fué asesinado el alcalde de Puno, Sr. Luis Duenas Peralta. Radio Onda Azul recibió diferentes llamadas telefónicas amenazadoras. Radio Onda Azul, como una emisora católica, realizó una amplia difusión de dichos sucesos bajo el criterio de la defensa de la vida. En unas llamadas anónimas, dieron a entender que tanto la emisora como los miembros que trabajan en ella, así como en la Iglesia, incentivaban el terrorismo. Otras llamadas reclamaban a la emisora en darle demasiada importancia a la muerte del alcalde, amenazando: "Ustedes, los de la radio ... morirán igual". Al fin el día 3 de Julio, a las 17:23 en hora local, la emisora recibió una llamada telefónica anónima en la que se dijo textualmente: "Avisa a tus compañeros, que a partir de ahora destruiremos la antena". De estas fueron informadas debidamente las fuerzas policiales el mismo día domingo por la tarde, inmediatamente después de recibir. Las instalaciones de la emisora, así como el personal que labora en ella, deben contar con las garantías necesarias que debe ofrecer la autoridad política y policial del deaprtamento. Esta nota mencionada arriba fué reportada por Radio Onda Azul vía Srta. Mery Blas Rojas/Iquitos-Perú, vía PLAY-DX No.516.

(Takayuki Inoue Nozaki, Tokyo, Japan, Relampago DX, Jan & Feb)

PHILIPPINES R Veritas, 15220 & 15465, both stong 7/3, from 1500 EG, 1530 HD, 1600 UD to 1631*; in Feb, 15220 was off air for weeks and 15465 has long xmtf breaks some days (Ernie Behr, Ont)

What seems feeder of Phil Bcing Svc is hrd quite regularly on 13256 in aero band. Pgm's similar to AFRTS hrd in Tagalog, EG from arnd 23 past 17, occl ID as P- B- S-. As my Phil friend says, "Paid gabbers pack the airwaves in the Phils" which he calls "the land of the verbal effusiveness". Infact, 13256 is nothing but chatter! (Sarath Weerakoon, Sri Lanka, Jan UADX) Perhaps acceding to standard format on aero bands.... & see SEYCHELLES below

PORTUGAL RDP Intl ancd 8/2: this xmsn will end at 0830 both today and tomorrow because of some work being carried out at xmtg centre at Pegoes /central Portugal/. Connected w/installation of new 300 kW xmtf due to open next summer. For same reason, pgm following ours, "Port w/out Frontiers" will start at 11. All part of those improvements we've been talking abt, which 'll be carried out gradually and result in better reception for our listeners (WBI)

SAN ANDRES El Siglo, Bogota, reported 14/2: In one of his final acts as Comms Minister, Pedro Martin Leyes on 11/2 inaugurated Telecaribe's new EG-lang pgms for SA island residents. During speech at ceremony, he ancd govt will spend almost two gigapesos in the area for phone and construxion projects as well as to install new TV tower. On 14/2, Martin replaced by Carlos Lemos Simmonds (WBI 24/2)

SEYCHELLES DX Postbag from FEBA is off the air; but DX Dial over FEBC /Phil/ continues (Robin Viegas, IDXCI ADXR 1/89)

SOUTH AFRICA Recent printed sked from R RSA shows new xmsn in EG to E&SAF is planned to begin 5/3, at 12-13 on 21590 11900 9585; increases EG output to 64 hours 45 mins per week from 57:45 (WBI 3/3) But WBI 17/3 gives full R RSA sked w/this xmsn on 11805 not 11900. Other EG: 02-03 Am 11730 9615 9580 incl DX Corner Mon 0235-0245. 04-0415 ME/AF 11900 9585 7295. 11-12 Eu/ME/AF 21590 21535 11900 11805. 13-14 Af/As 21590 17755 9585. 14-16 Eu/ME/AF/Am 25790 21670 21590 17755 11925. 18-19 Eu 21535 17795 incl DX Sun 1835-1845. 19-21 ME/AF 21590 17795 7295 incl DX Sun 1935-1945 (WBI 17/3) Total output 235.35 hours per week; led by EG 64.45, then PT & FR at 35 hpw each (ibid)
R Five, 11880, from *0500 EG nx, pop mx & ads to 0600, C 5/3 (Behr, Ont)

SRI LANKA:

Mr. Lional Pinto the Director of an oral Engineering of the SLBC. gave me the following info. The NHK/SJBC project is under way and when completed it will have 2x300kW SW transmitters to be used by NHK and SLBC. They (NHK) is also doing up the antenna network all over aain. Incidentally SLBC has an array of high gain curtain antennae at 350°, 312° 36° 80° and these are reversible or to put it in another way they can beam to Europe, N.Africa, Middle East, E.Africa South Africa, Japan, SEA and Australia and of course India/S.Asia. NHK will also put up some of their own antennae.

In addition to the 2x300kW NHR is putting up 4x10kW SW for SLBCs domestic Service at the moment the existing 10kW SW domestic Svc transmitters are in a bad way as they are of 1950ies vintage and some don't even have a 10kW output. Spares are hard to get and some of them are in bad shape having been used for jamming purposes during the height of the Eelam broadcasts. These TXes are not made for fast freq jumping and some of them were pretty well hacked! However some new transmitters were got for that purpose. Anyway these new 10kW SW units should mean many years of domestic SW broadcasting in Sri Lanka. The SLBC's MW project is now complete and next stage is island wide FM coverage, However SW will be there for shaded areas and low population density areas where the FM signals may not be adequate in the outback areas.

Deutsche Welle Trincomalee: Is now all complete and only staff limitations make them non operational at full capacity and regular sked. The Political situation in Trincomalee is more or less condidvive now. Anyway DW had a good working relation ship with all parties in the rumour! Currently they are regularly heard on 1548 kHz 6170 and 7200 kHz 1430-1650 UTC with English 1610-1650. The DW Trincomalee ID is heard at 1425-30 and at a off at 1650 UTC.

TRANS WORLD RADIO: There are plans underway to build a 100kW SW transmitter at their Puttalam transmitting site where the 400kW MW transmitter is now used. By the way this 400kW unit is a refurbished unit that was once at Monte Carlo. Before they moved to Puttalam on the N.Western coast of Sri Lanka, TWR was going to have the station at Trincomalee where the present DW station is located. The Trinco. base at Perka was a British transmitting base which was being completed to house a station when the war ended. That place was then more or less abandoned and only bats occupied the place until TWR started making a survey of it. As a monitor for TWR even I was involved in those early stages in feasibility studies for the station. At that stage Welle got wind of it and beat TWR to it much to TWRs dismay but I guess they are having the last laugh!

Back to TWR or Viswari on SW from the Ekala SLBC site which uses a 35kW TX for 25m.b. operations and a 12.5kW unit for 49m.b.

The current sked is as follows

0000 - 0130 UTC 5990 kHz S.Indian vernacs:Malayalam.
1200 - 1330 UTC 5990 kHz, 11830 kHz ENGLISH
1340 - 1505 UTC 11895kHz vernaculars
1515 - 1615 UTC 11955kHz vernaculars

BROADCAST DXERS HAM RADIO NET (BCDX NET)

There are many of us who are avid SW/MW and broadcasting station dxing hams. So we have started a 'Net' as is called in Ham Radio jargon in S.Asia. The idea came from N.Sannugasundaram in Tamil Nadu S.India. His call sign is VU2FOT and name 'SUN' This net takes the air on Sundays on 7050 kHz 40meters at 0930-1030 UTC. During this net the only topic of conversation is broadcast DXing. We exchange DX tips, and other related items are talked about. You can hear about 6-10 people on any given net day and there are many who listen in. Sarath and myself 4S7VK join in every Sunday and other include VU2JOS Jose Jacob our Indian UADX rep. VU2FOT is using AM modulation (like broadcasting stations do, and a few others too. SSB is also used. I use SSB and also AM, depending on conditions of propagation. 7MHz at 0930 UTC gives a limited coverage area, so plans are afoot to retune it and also have another net for S and SEAsia on 14MHz, which should be audible in many countries. All reception reports will be QSLd. Please do listen. (UADX)

SLBC English Svc, domestic: 00-0230 & 11-1730 on 4940. Sinhalese Svc, Ch One: 00-0230 & 1030-1730 on 4902. Ch Two: 00-03 & 1030-1730 on 4870. Tamil svc: 00-03 & 1030-1730 on 5020.

SLBC external svcs; certain xmsns may include relig pgms produced by AWR. 0030-0230 EG 15425 9720 6005. 0030-0430 Hindi 11800 7190 including Nepalese on Wed at 0330-04, Urdu Sat 0330-04. 0230-0430 EG 15425 9720. 0430-0630 Sun HD, 0630-0730 HD incl Urdu Mon 0715-0730; 0730-0830 Kannada, 0830-10 Telugu, 10-11 Malayalam, all on 11800 7190. 1030-1130 EG 17850 15120 11835 incl Sinhalese Sun/Wed 1040-1055, JP Sat 1040-1055 & Mon 11-1115. 11-1130 Tamil 11800 7190. 1230-1730 EG 9720 6075. 1330-1630 HD 11800 7190. 1645-1745 Sinhalese 11800. All to Asia except the last which is ME/Af; and the 1030 which is also to Au. Following also to ME/Af: 1745-1815 EG, 1815-1845 Tamil on 11800 (WBI 24/2)

SUDAN Domestic/external outlet National Unity Radio, organisation: General Command of the Sudanese Armed Forces. Originally known as the Sudan People Armed Forces Pgmm. First monitored 25/9/86 when it was either causing interference to or 'shadowing' R SPLA. Name changed to NUR 19/10/87 and since Feb 89 gives location as Khartoum. Addr and: NUR, General Command - Moral Guidan-

ce Branch, P O Box 15, Khartoum. Multilingual at 12-15 on 9435 and 7100; 12-13 Anyanya II pgm (pro-govt militia) in AR. 13-14 General pgm in AR. 14-1430 Southern Kordofan pgm in AR. 1430-1445 "With the Sudanese Abroad" in AR. 1445-15 pgm in EG. Addl data: in past, fqs arnd 9550-9555 and 11710 have been used (WBI 3/3)

SWEDEN SCDX 28/2 reported: Lars Hamberg is resigning as head of R Sweden, for health reasons. He took over not long ago. We hope he can take it easier in the future, w/out having to watch ovr such a pack of crazies.

Per J89 26/3-23/9 fq sked, R Sweden to bc in Estonian on 6065 at 1645-17, unk if also on 1179, as bc has been Mon-Fri 1755-18 on 1179 only (WBI 3/3)

But SCDX bc 21/3 revealed that the quarter hour will be on both, and add Latvian too. After sesquidecades of EG to NAM bc at 14-1430, from 26/3 that is retimed to 1530-16, on 17880 and 21610, whilst the 1400 bc is now to As/Pac on 17705 and 21610, that target having a new bc at 0100 on 15390 17790. And a 3rd fq at 1530 is for As/Pac, 17705. The other NAM bc also retimed, to 0300 ex-0230, but still on 9695 and 11705. ME/EAF dropped as a target. Eu/Af at 18 ex-17 on 1179 6065 9615; 21 on 1179 9655 11705 (gh)

TAHITI RFO moved down to 11822.7 to avoid QRM; hrd 2/3 from 0430 w/island mx & tlk, 0600 FR nx, //15170.8; both G, but since 5/3 wiped out by Cuba 11820 (Ernie Behr, Kenora Ont, 9/3)

TANZANIA R Tanzania reported 20/2 in Swahili: Dir of Bcing Ndugu David Wakati has commended BBC for arranging a spl training course for EG-lang nx readers at R Tanzania, Dar es Salaam. Said arrangement follows advice by party chairman Mwalimu Nyerere calling for improvement in reading of EG bulls at RT. Forn stns attempt to improve SH bcs by employing bcers on secondment from Tanzania (WBI 24/2)

RT reported 4/3: Dir of Bcing Wakati has challenged RT journalists and bcers to be creative in their work so as to improve radio pgms, upon concluding above course (WBI 10/3)

RT reported 12/3: RT, DeS, will be forced off the air any time now if Tanesco /Tanz Elec Supply Co/ does not resume supply of elec. Was interrupted this morn. Dir of Bcing Wakati said fuel purchased for generator was an emergency measure. Since elec cut off for a long time, emergency fuel supply may run out. Elec corp ancd in mass media it'd interrupt elec 12/3 and power cut'd continue until 1300 gmt, but power supply still not restored at 17 (WBI 17/3)

THAILAND 6148, Or Sor Royal Palace Stn, Bangkok. Time pips 1100 fq anmts & steady sigs until 1200* (Sarath Weerakoon, Sri Lanka, Jan UADX) They never replied to my registered letter when I first discovered it and wrote them. Someone else got the prize. I am not bitter!! That is what we call challenge, style and success. We must always keep trying! (Victor Goonetilleke, ibid.) R Thailand HS in Thai quite regular at 12 on 7115v //4830 6070 (Sarath, ibid)

TURKEY 6325.1, Istanbul Polis Radyosu, 1530-1559* 27/2, F. Tradl orl mx, TK talk. 1557 closing anmt w/ID, NA. This local SWbcer is still active but WRTH 89 does not ment SW as active. Also hrd Turkiye Polis Radyosu on 6340.0 and Turkish State Meterological Svc on 6900.0, also s/off about 1600* (Takayuki Inoue Nozaki, Tokyo, Japan, Relampago DX) Khmer cland also on 6325 earlier qv
V of Turkey ES, General Svc in TK: 23-03 Eu/As/Am 9680 9445 7250. 04-09 Eu/As 15200 15105 11925 9445. 09-10 Eu/ME 9445. 10-15 Eu/ME/Af 15160 15050 11955 9445. 15-1555 Eu/ME 9445. 16-22 Eu/ME 9460 6050.

All other extl svcs: 03-05 TK to Balkans 5955. 03-04 EG As/Am 9680 9445. 03-04 Azeri ME 6120. 09-10 AR ME 15160 11955. 10-1030 BG, 1030-11 RM, 11-11 30 SC, 1130-12 AB, 12-1230 HG all on 11875. 1230-13 EG As 17785, 13-1330 UD same. 1330-14 Persian ME 17785. 14-1430 Std CH 9715. 1430-15 RS Eu 11715. 15-16 AR ME 15160 11955. 16-17 CK 7180. 17-18 AZ ME 11730 9670. 17-21 TK Balkan svc 5980. 18-19 CK 7110. 19-20 CM, 20-21 EG, 21-22 FR Eu all 9825. 22-23 EG Eu/ME/As/Am 9680 9445 7250 7160. During winter time all pgms one hour later than above. Total output 307.25 hpw, led by TK 195.25; then EG at 24.30 (WBI 17/3) Fqs for EG at 22 & 03 abnormally low for this time of year; suspect BBC applied old winter fqs to anticipated DST timeshifts (gh)

U A E Dubai on 21605 at 1348 20/2, in EG w/interesting archeological pgm Images of Arabia, G sig, abrupt off at 1355 after ID at 1353 (Nick Terrence, Huntington NY)

U K O G B A N I RNMN reported 9/2: Chairman of Sky Television, Andrew Neil says as soon as possible, will put out BBC WS on one of sub-carriers leased from Astra. Would cost BBC nothing at all, and allow one of world's best radio stns to be hrd in stereo across Eu /sic--not unless they originate it in stereo, which they surely don't as mainly for SWBC -gh/. More complicated than just connecting a few wires, but BBC & Sky seem keen to realize idea. Sky think other transponders may be leased to radio bcers intrested in Eu cov. But IBA survey found 63% of people not interested in renting or buying satellite revving eqp, at least not yet (WBI 17/2)

U S A WRNO M89 sked from 7/4 to 7/5 /likely about the same rest of summer/: 15-17 11965, 17-21 15420, 21-24 13720 (23-24 7355 alt available), 00-03 7355, 03-06 6185; Sun 06-12 6185, 12-14 9715, 14-15 11965 (George Jacobs & Assocs) However, not running overnite on Sundays, only staying on late if a ballgame requires; and usual s/off is 0500, not 06.

WORLD OF RADIO should now be scheduled on WRNO: Thu (sometimes) 1530 on 11965; 2300 on 13720. UTC Sats 0300 on 6185. Sats 2330 on 13720. Suns 2030 on 15420. We hope to get an addl time during the hours 7355 is in use (gh)

RNMN reported 16/2: WSHP /sic/ to have started testing 6/2; Ed Evans, stn mgr at new site, Cypress Creek SC, gives update: slipped a few weeks, due problems w/ants, xmtr. Now plan to start 270 high-power tests w/both xmtrs simultaneously the week of 27/2. First, test tones for 5 mins, tape of pgming for 25 mins, to give listeners a feel of what our pgming is about, also giving sked. 9455 expected to be used quite often 04-12, to SAm/Carib. Plan relay pgms from Boston via satl from late March (WBI 24/2) It's WSHB, as in World Service Herald Broadcasting; didn't make that date either, but in early Mar told me planned to start 13/3, and later confirmed they had, tho unhrd here on many publicized test fqs, partially due to huge solar disturbance, but did hear tones and IDs only on 6005 after 0500 17/3 tnx to tip from Artie Bigley, who hrd them a bit earlier on 7315; and I had tones after 06 on 13760 (gh)

Final M89 WSHB sked until 7/5: 9455 02-08 315 degrees, 08-10 152, 10-12 on 167. 9465 00-02 25. 9495 10-14 25. 11930 12-14 188. 11980 06-08 245. 13760 00-02 167, 02-04 188, 04-06 245, 14-16 315. 15205 22-24 25. 17555 14-16 245, 20-22 137, 22-24 152. 21640 20-22 315. Tho some of these used in past by WCSN, interesting to note that this season they have only one fq in common: 21640, used by WCSN at 16-18 105, 18-20 21640. Other current WCSN fqs are: 15580, 15390, 15300, 9850, 9870, so easy to tell the two stns apart w/out ID.. (via George Jacobs & Associates)

RNMN reported 2/3: VOA has new project to complement SW; listeners in Calif report hearing R Thailand w/one-hour show called VOA Pacific /no further details about Thai SW connexion, and I think this was misinterpreted -gh/. VOA EAs correspondent Steve Thompson now back in Wash running svc. Since 1/1 is 1-hour show sent in various ways to FE; tape in mail, satellite to US embassy. Mx interspersed w/features, but not topical since mailed out. Thailand was first market, now 3 metro Manila stns and a Cebu want it. Also on R (?Bonsita) in Medan, Indonesia; dozen stns from Palau to Tonga in Pac. Beijing wants to hear a pilot. About 30 outlets right now (WBI 10/3) RA Communicator reported 12/3: Thompson says: now 2-hour weekly show in EG, stereo with three 3-min ad windows each hour, 5 min hole for nx at hour top; contemporary mx, features. Really taking off and hope to add satl feeds, go daily. Free to stns and they keep any adtime sold. Also VOA has started new morn svc to Pac on SW, 19-20 & 21-22 on 9525 11965 15185 (WBI 17/3) Unclear, but some reports indicate these SWbcs are infact the same VOA Pacific shows; maybe the "Thailand" above? (gh)

U S S R R Yerevan on new 11920, from 2130 AM & FR, 2200 AM & SP to 2259*; // 11980, both strong 6/3 (Ernie Behr, Kenora Ont)

Zvyazda, Minsk, reported 3/2: correspondent A Usenya met I Grytsyuk, BSSR minister of comms and asked him what is to become of former jamming facilities. Said in BSSR territory, 5 radio centres have stopped funxioning and 89 xmtrs released. About 90% of xmtrs will be used for relaying republican and central pgms on SW. Obviously will improve reception quality. Ants will also be used more effectively. About 100 persons out of jamming work, but not unemployed--

helped us w/staffing problems. All of them taken on by comms orgs.

Lith Minister of Culture and Chairman of RTV Committee have been retired. Juozas Kuolelis, chmn still has a sesquyear left before his real retirement age, ex-head of Agitprop, Lith CP. Domas Sniukas apptd new chmn; is 56 and has been Pravda corresp in Lith.

TASS reported 20/2: Sov radio set up ad svc, New Market, taking orders from for firms & individuals. Based on growing popularity of xmsns by WS in EG starting late last year—15 min bcs 4x a week (WBI 24/2)

R Vilnius reported 2/3: we've decided to feature Esperanto during our EG bcs, starting Mon 3/4 on 2nd pgm, then at 2200, repeated on MW next day at 2130, and so on /weekly?/.

In Sotsialistik Kazakhstan, article by K Chamatayev, head of Kaz R pgm "Atameken": As from 1/2, Kaz R started half hour daily pgm Atameken (Fatherland) for patriots abroad, all about Kazakhstan, incl radio quiz to prompt listner contact, prizes albums and records, grand prize trip to Kaz. Address of pgm: 480013, City of Alma Ata, Mir Street, House 175, Kazakh Radio, Atameken Pgmme. At 01-0130 on 900 5035 5915 7255.

All Union Radio (Mayak) reported 5/3: by end of March, 14 new pgms will start to be hrd on Moscow airwaves. Inhabitants of four multi-ethnic capital will now be able to hear pgms from radio stns of Union republic. 14/3, pgms of Ukrainian, Belorussian, Moldavian, Lithuanian, Latvian, Estonian radio will start bcs to the city. 21/3, pgms from Transcaucasian reps, CAs from 28/3. Inhabitants close to Moscow also able to pick up. Will be on 9 and 6 MHz bands (WBI 10/3)

Govorit i Pokazyvayet Moskva reported /undated/: A more rational use of technical facilities /probably alludes to former jammers -gh/ is making it possible to start relaying pgms of union republics in Moscow on SW, 11, 9, 7, 6 MHz. From 14/3, 2nd pgm Promin of Uk, first pgms of others as follows:

Ukrainian: 6030 0315-15, 9785 1505-22. Belorussian: 6150 0315-1430, 9525 1435-20. Lith 6010 0258-16, 9675 1605-22. Moldavian: 6070 0315-1530, 9560 1535-2050. Latvian: 5920 03-15, 9695 1505-22. Estonian: 6125 0230-17, 9590 1705-2050 /From 5-min breaks, it's pretty obvious a single xmtr is being used for each -gh/. Ed note: times presumably one hour earlier during DST from 26/3. AUR Mayak reported 14/3: New application for jamming xmtrs found by Min Com experts, Gosteleradio. Today started being used for relaying radio bcs from Union Republics to Moscow. Representatives of dozens of ethnic groups living in capital can now listen to bcs in native lang.

Monitoring 6-15 Mar: Uk R 2nd pgm, Promin, obs irr on 13795 since 6/3 at 15-21. 14/3 also on 9785 at 15. Lith, Est, Lat xmsns confirmed on 6010, 6125, 5920 respectively at 1000 15/3 (WBI 17/3)

VIETNAM V of Vietnam often does not annce target area; those given are assumed for statistical purposes. 12035, 9732 and 7432 subject to variation. EG: 10-1030 As 15010 9840. 11-1130 As 9732 7432. 1330-14 As 15010 9840. 1545-16 As 12035 10010 1010. 16-1630 AF 15010 9840. 1615-1630 As 12035 10010 1010. 18-1830 Eu 15010 9840. 19-1930 Eu same. 2030-21 same. 2230-23 same. 2330-24 same. Total putout: 189 hpw, led by EG 35, then Std CH 28, Cant 26.15 (WBI 10/3)

VOV currently using 7418 in Khmer 12-1230, Lao 1230-13 //9730; 7418 earlier used for Hanoi HS. Regional roundup: Lai Chau 6253 1115-13; Cao Bang 6573v 12-14(Sun 1430); Son La 6330v 12-14; Hoang Lien Son 6730 1145-13 (Sarath Weerakoon, Sri Lanka, Jan UADX) HLS on 6711.1 5/3 1240-1250, G sig but VP mod in VT, tradl local folk song. Bac Thai on 6692.3 same date 1250-1255, F. Lai Chau on 6643.3 at 1255-1259, F-P, 1258 ID, local mx. Son La on 6323.8 13-1320 2/4, drifting 6323.6 to 6323.8; Viet nx, tradl folk mx (Takayuki Inoue Nozaki, Tokyo, Japan, Relampago DX)

YUGOSLAVIA R Yugoslavia has new EG xmsn to As/SAs/Au/NAM 13-1330 on 11735 15325, 15380. In SAs, 15380 G; maybe 11735 for SAs too? Is absorbed with sun-spots 200+ over daytime path to NAM. Have never hrd Belgrade in comfort in the last sesquidecade (Sarath Weerakoon & Victor Goonetilleke, SL, Jan UADX)

ZAIRE V of Zaire, Bukavu, on 4846: 03-07(Sun 10), 10-1245(Sun 15), 15-1830, multilingual; s/on time varies to 0400. Includes FR & SH nx, some relayed from Kinshasa. FR pgm pvw at 0347-0350, nx 0430-0450, Kinshasa nx 05-0530 (WBI 17/2) R Bukavu reported 16/2: Thru W German coop, 100 kW SW xmtr to be installed at ?Matinda, in Kinshasa beamed 60 deg, range 2000 km (WBI 24/2)

C L A N D E S T I N E C R A N N Y V Of Democratic Kampuchea (Cambodian: Samleng Kampuchea Pracheathipatei) bcs in support of former Khmer Rouge regime. First obs 16/1/79. Xmters believed in PR China; in Cambodia for 1 hour ea to Asia: 04 17680 15110. 09 11870 11780 8345. 13 9440 6810 6025. 2330 9440 8345 7350 (WBI 10/3) Agreed except 57-min xmsns. Also R Democratic Kampuchea at 18-1857 on 6974 (Shigenori Aoki, E Asian DX News of Asian Broadcasting Institute, 16/2 via Kondo, Japan) V of Kampuchea /sic/ on 9440 at 12-1220 on 23/2; nx, fqt IDs ment Kampuchea; NA at 1215 w/patriotic glib /sic/, G; apparently aired by R Beijing (Nick Terrence, Huntington NY) But time doesn't fit w/sked above (gh)

V of the National Army of Democratic Kampuchea (Cambodian: Samleng Kangtoap Cheat Kampuchea Pracheathipatai) inaugurated 14/2/83. Supports coalition govt of Demo Kamp and is hostile to present Phnom Penh govt and to Viet involvement. All on 5410: 01-0130 VT, 0430-05 VT, 05-0630 CB, 10-14 CB, 14-1430 VT, 2315-01 CB (WBI 10/3)

V of the Khmer (Cambodian: Samleng Khmer) started expl MW xmsns from Camb/Thai border area on 15/1/84. SW xmsns from Oct 85. Describes self as a non-communist natl Camb bcing stn in liberated zone of Cambodia under/leadership of Sihanouk and Son Sann. On 6325 and unconfirmed 1250, to As in CB: 00-01 Sun; 0430-07, 11-14, 23-24 (WBI 10/3)

R Kawthulei Karen Natl Libn Front, largest resistance mvmt in the Natl Democratic Front is rpeorted planning to resume cland bcs. Last hrd about 3½ yrs ago on 9775. Presently there are 4 megaKarens fighting for own indep country from Burma. Been fighting 40 yrs since Britain left. Political arm of Karen Natl Union have had own govt for a number of years but not yet politically recognised by any other country (Sarath Weerakoon, Sri Lanka, Jan UADX)

V of the People of Burma First hrd 9/4/71 tho subsequent anmt indicated that it had been inaugurated 28/3. After period of test xmsns from end of Nov 79, present VOPB replaced original stn on 28/3/80. Bcing reduced to 3 days per week sometime between 4/85 and 2/86 but increased to present sked in 4/86. All times apx. Morn xmsn, previously 0030-04, not confirmed now. All on 5110 to As, Tue-Sun: 12 Burmese, 1225 Karen, 1240 Jingpaw, 1255 Shan, 1310-1330 Wa (WBI 10/3) Despite some recent setback in battle front, VOBP operated by outlawed Communist Party of Burma continues to bc quite regularly on 5110v w/revly pgms in BM and 4 ethnic langs at 12-1330; also arnd 0030-02* As usual, xmsns subject to jamming. VOPB xmtr believed to be in thick jungles close to Sino-Burmese border (Sarath Weerakoon, Sri Lanka, Jan UADX)

V of the Islamic Revolution of Afghanistan (Dari: Seda-ye Engelabe Eslami-ye Afghanistan Ast) is hostile to Afghan govt and to Soviet involvement. First hrd 25/1/84, believed to op from Iran; 17-1730 in Pashto/Dari to As on 720 kHz (WBI 17/2)

V of Afghanistan, first hrd 15/1/84, hostile to govt of Afgh and to Soviet involvement. Ancs addr in Pak: Post Box 1207, Peshawar. Bcing times and fqs subject to variation. Ancs 18.0, 12.0, 9.8, 7.2, 5.8, 5.2, 4.2, 3.8, 3.2 Mhz. Tho several fqs might be in use at any one time, pgms they carry might not be in parallel. Bcs which vary in duration also carry items in English, Russian, Uzbek. Most are USB and subject to considerable variation. In Pashto/Dari to As: 0130-0430 on 5920 4200. 0730-0910 on 6100 5300 4200. 1130-1430 on 6100=irreg 5825 5300 4200 3800 3230. 1515-1815 on 6100=irreg 5825 4200 3840 (WBI 3/3)

V of Unity (Pashto: De Wahdat Chazh. Dari: Inja Sada-ye Wahdat ast), formerly known as V of the United Muslim Fighters (Mojahedin) of Afgh. First hrd in May/June 1980. Addr for listeners letters is given: V of Unity, R Muslim Mojahedin of Afghanistan, P O Box 2605, 2000 Hamburg 60, W Germany. In Pashto/Dari to Asia on 15685 12230 and 11490 at 0130-0225, 12-1255, 1515-1610 (WBI 24/2)

V of the Feda'i (Persian: Seda-ye Feda'i), name of organisation: Organisation of Iranian Peoples' Feda'i Guerrillas (Persian: Sazman-e Cherikha-ye Feda'i-ye Khalq-e Iran). First hrd 28/1/85 tho reportedly obs by Japanese listener 12/84. Pgms hostile to govt of Islamic Rep of Iran and supports establishment of a

people's democratic republic in Iran. Bcs start w/playing of the "Internationale". Addr for listeners' letters is: ACA, BP 43, 94210 Fontenay-sous-Bois, France. VOF believed associated w/V of the Worker (below), obs using same fq in 6/87. Fqs vary constantly to avoid QRM. Xmsns often extended beyond ancd time. In Persian to ME: 16-1655, repeated at 0230-0325, 09-0955 next day, all on 4160-4250 variable, and 3935 variable (WBI 17/2)

V of the Worker Name of organisation: Iranian Revolutionary Workers Organisation, Rah-e Kargar. VoTW (Persian: Seda-ye Kargar) bcs pgms hostile to govt of Iran, supports pro-Soviet Iranian Revly Workers Org, Rah-e Kargar. The first obs 6/87, probly in existence for some time. VoTW may be associated w/V Fedai (above) which has used same fq. Bcs may be extended by up to a sesquihour. In Persian to ME at apx times on 4108-4159.7 variable: 17-19 & next day 0330-0530 (WBI 17/2)

R Tehran A bc in EG from a stn IDing itself as "R Tehran, V of the Islamic Republic of Iran" hrd on 2/3 at 0930-1015 on 9021.1. The fq 9022 has been used for many years by the Iranian state being org, also called "V of the Islamic Rep of Iran, VIRI" but not R Tehran, tho at 0930 this fq not currently in use. After recording of a single chime, probably Big Ben, stn ID and mx, not the VIRI signature tune, presenter said: "We are being an extra xmsn in EG on 9022 SW. The time is (?1430?) UTC and as usual this pgm comes to you right from Tehran. Write to R Tehran, VIRI, P O Box 333, Tehran, Iran; in this extra pgm we will be reading out some extrax from "The Satanic Verses" written by the British author Salman Rushdie." Correct addr is Box 3333. Readings occupied remainder of pgm, at end of which Box 333 again and said back w/regular xmsn tonight at 2030 UTC. In fact, VIRI EG is at 1930, hrd as usual on 2/3 on 9022.03, making no mention of 'extra pgm'. Unk whence bc at 0930 emanated (WBI 10/3) From a hobby pirate of a few watts in eastern Holland (RNMN)

Al-Quds Radio AFP reported 14/2 from Jerusalem: Israel has recently stopped jamming pgms of Palestinian radio stn after it began bcng commentaries hostile to PLO chief Yasir Arafat, listeners in W Bank and analysts said 14/2. AQR, launched in 1987, was systematically jammed when it declared support for a Pal uprising that erupted in Dec that year in occupied W Bank & Gaza strip. In recent commentaries the stn, managed by Syrian-based anti-Arafat Popular Front for Libn of Palestine--General Command, has referred to the "defeatist" and "treacherous" policies adopted by Arafat. This report confirmed by monitoring--jamming of AQR has ceased; had started Feb 88, a month after stn began. (WBI 17/2)

AQR, which describes itself as the Pal Arab radio on the path of liberating land and man (Arabic: "Al-Quds, al-idha'ah al-Arabiyyah al-Filastiniyyah ala Tariq Tahrir al-Ard waal-Insan") first hrd w/test anmts in AR, HB, EG 1/1/88, tho xmsns entirely of mx obs on 702 khz since at least 24/9/87. AQR gives publicity to PFLP-GC and its leader Ahmad Jibril, and to activities in Syria and Libya. Xmtrs believed in Syria. While most pgming in AR, stn also ocly in HB, EG, RS. During 1988 low-power SW xmtr tests on 7460, 4320. AQR ancs these postal addr: P O Box 25/74, Al Ghubayri, Beirut, Lebanon; P O Box 1397 and P O Box 6170, Aden, PDR Yemen; P O Box 5092, Damascus, Syria; P O Box 10412, Tripoli Libya; P O Box 8788, Kuwait. During summer time in Israel & occupied terts, bcs will be one hour earlier than shown. Fqs are 702v 630v 105.4 96.7. At 07-12, 14-18 (summer 19) mainly in AR, but nx in brief in EG/HB/RS at 0935-0945. Other pgms: 0745-0750 pgm pw. 08-0805 visiting times for Pal detainees. 0815-0830 activities of Pal towns. 0830-0835 press review. 09-0915 Facts & Illusions (comment on Israeli radio reports). 0930-0935 nx summary. 1130-1140 political comtry. 1415-1420 pgm pw. 1420-1430 exc Mon & Fri, comments on nx. 1420-1630 Fri Your Letter Has Arrived. 1430-1435 exc Mon Visiting times for Arab detainees. 15-1515 irr exc Mon/Fri, Reports & commentaries. 16-1610 exc Mon & Fri polit comtry. 17-1745 nx. 1745-1755 Mon & Fri comments on nx (WBI 17/2)

Between 07 & 1210 on 18/2, QRM similar to that obs before 13/2 appeared on AQR fq 702 khz. Other MF channel 635 remained QRM-free (WBI 24/2)

R Baghdad, 13/2 at 1928 pgm V of Palestine, V of the PLO reported: In order to serve the Zionist enemy, the so-called AQR, which xmts from Jabal al-Arab in Syria and which is supervised by the agent Ahmad Jibril, continues to serve Zionist intelligence by distorting natl stands of many Pal nationalist figures, and even those of Pal citizens. We'd like once again to draw attn of

our brothers and kinsfolk in all positions of the intifadah /uprising/ on our occupied Pal territory to fact that tho carries name Al-Quds /Jerusalem/, our Pal state's eternal capital, the so-called AQR is not Palestinian, but falsely carries the name AQ. Fact that it xmts from Syria and is supervised by Syrian regime thru its agent Ahmad Jibril, accounts for current status--a suspect radio that only serves the Zionist enemy govt. This radio stn has for a while been fabricating alleged and false interviews w/our kinsfolk in the occupied homeland. We assure our kinsfolk that everything xmted by this radio, the so-called AQR which xmits from Syria, is false and faked. This'll not affect the march of our heroic people's intifadah, tho that radio offers clear svcs to the Zionist enemy and its intelligence organs (WBI 3/3)

Our Radio (TURKISH: Bizim Radyo) supports Turk Communist Party and was closely linked w/v of the Turkish CP, which closed down 15/11/87. Our Radio first hrd 21/3/58. Gives addr as Box 16-367, S-103 27 Stockholm, Sweden. Some xmsn (service 1) emanate from xmtr believed to be in GDR and hrd one hour earlier during summer time. Svc 2 believed from Romania, not affected by changes to winter time.

Our Radio (1) via GDR in TK to Eu daily for 50 mins at 03, 04, 07, 20 on 6200; 08, 11, 12, 15, 16, 19 on 7335. Our Radio (2) via Romania in TK to Eu daily for half an hour: 1015 & 1445 on 9500, 20 & 2030 on 5915 (WBI 17/2)

V of the People hrd on new 11820 since 24/2, in AR at 19-1956 when BBC s/on, ex-11825. V of Libyan People not hrd on 9500 or 11820 since late Feb. A new bubble-jammer from Iran on 11825 since 5/3, jamming an inaudible stn all day 14-24, ex-9525 (Ernie Behr, Kenora Ont, 9/3)

V of Free Sahara pgm continues carried on R Algiers ES, hrd 12/2 and 13/2 at 22-23 on 15215 and 9640. National R of the Saharan Arab Democratic Republic also traced 13/2 w/pgm in AR at apx 2100 on 1355 kHz. See 46th week of 1988 WBI issue for reported suspension of Polisario bcs (WBI 17/2)

R Farabundo Marti RFM reported 6/3: From 0030 7/3, will be a new daily FM pgm on 97.7 for San Salvador and area. Ed note: first time since 12/6 that RFM obs ancg FM xmsn. Stn first hrd in Jan 82. Hostile to govt of El Salvador and claims to be from Chalatenango dept. On spl occasions, linked up w/ R Venceremos. During summer time /when??/ in El Sal, xmsn one hour earlier. Fqs changed constantly to avoid QRM. Besides FM-only bc above: On SW in the 6600-6730 range Mon-Sat 23-24 & repeated at 12-13; Sun 22-23, repeat at 13-14 (WBI 17/3) I know those repeats don't make sense by UTC, but as given (gh)

NORTH AMERICAN PIRATES Falling Star R, 6240, 25/2 0510-0530*, SIO 444. Beatles mx & other 60s tunes. Topic tonite was how "humans, the most intelligent life on this planet, have responsibility to take care of it". Many IDs, M&W. QSL addr is: P O Box 1659, Gracey Stn, NY NY 10028. Nice sig and audio here. On at same time as WKND. WKND, 6240, 11/2 0321-0324*, SIO545, great sig! Only hrd "For Ladies Only" by Steppenwolf; on 1620 25/2 0510-0548+, SIO 323, mostly jazz and pop mx, even a fake ad for "Two Cops". Bad QRM from "OH" beacon. 6240 on 3/3 at 0511-0542+, SIO 312, lots of obscure heavy metal mx w/Halloween style sound effects under IDs. A few fake ads. Funny to hear "Weekend Radio" on a Thursday nite. Call fromop says using several xmtrs, 25 and 60 W on MW, 25 W on SW. Some DXers mistook my req for a QSL from WKND as a req for reports. I got some reports but only wanted a QSL. I didn't know what to do with 'em. Then I got a pc from WKND. After talking for a while, I decided to become their maildrop. I was destined to do this(?) If you'd like a QSL, pse send three 25c stamps to WKND, c/o 3007R 4th Ave, Beaver Falls PA 15010. Addr will change in a few months but I'll keep you posted. WCPR and WENJ are now also using my Beaver Falls addr as maildrop but can still be contacted via Hilo HI too. unIDs: 7415, 4/3 2200-2224*, pirate tuned up xmtr w/OC; only a few sex at a time; 2223, testing audio w/Hi Bill, How are you? Nothing else hrd. 7440, 5/3 1908-1910* SIO 242, t/in to M saying "leave your name msg, and time and I'll call you back." Then another M w/heavy reverb xmted for a bit. Then first one back w/same msg as by the reverbed one. Any ideas? (A Yoder)

Thanking you for your attention, your attentive and sure servant, 73 de Glenn

Уважаемый товарищ!

Действительно, 30.10.1988 года
 на частоте 4940, время II.20 - II.30
 Мы слушали передачи Якутского радио.

С уважением редактор отдела лингвистических и социологических исследований
Александр / Александр

Благодарим за внимание!

Radio Yakutsk

BURKINA FASO: Radio Burkina 4815 f/d ltr. in 268 ds. for a FR rpt., tape and ms. (Blight-MD).

BYELORUSSIAN SSR: Radio Moscow 15320 via Orsha f/d cd. in 2 mo. (Renfrew-NY). 7105 f/d "Friendship" cd. in 53 ds. w/ personal ltr. (MacHarg).

CANADA: CHXK 6130 f/d "Ocean Playground" cd. in 20 ds. for \$1.00. (Blight). f/d "Logo" cd. in 3 mo. (Zobro-MI). CFXC 6005 f/d cd. in 45 ds. v/s John Stubbs (Zobro). CFVP 6030 n/d cd. w. stickers in 16 ds. for SASE. v/s John H. Bruins (Moore)...Have now QSLed all Canadian shortwave stations. Great Don!

CHAD: Radio Moundou 5286 p/d form ltr. in (Taskowski-IN).

34 ds. for a FR rpt. and ms. v/s Maimos Jacques. (Taskowski-IN).

CHINA, PEOPLES REPUBLIC OF: Voice of Jinling 4875 p/d cd. w/ Chinese New Years cd. in 35 ds. (Moore). p/d "Sweet Dew Temple" cd. in CH/EG in 50 ds. (MacHarg)...Could one of you two gentlemen please send me the VOJ address?...Sam.

CLANDESTINE: Voice of Unity 17540, 15685 and 12230 p/d cd. in 238 ds. for \$1.00. Addr: * P.O. Box 2605, 2000 Hamburg 60, FRG. (D'Angelo-PA).



STATION PENNANTS OF THE WORLD

I still have a few copies of this publication available for sale. It is a comprehensive listing of more than 1200 station pennants complete with more than 800 illustrations. The book comes in 10 sections from Africa to South America. Complete cost is \$25.00. Send your orders to Sam Barto, 47 Prospect Place, Bristol, CT 06010.

to Bogota to complete a degree in Communications. Anyone who still needs a QSL from Citara should write Jose at Apartado Aereo 30-358, Bogota. (Moore-OH).

CONGO, REPUBLIC OF: Radio Congo 15190 f/d prepared cd. in 315 ds. for a FR rpt. and * \$1.00. Addr: B.P. 13857, Brazzaville. (Bryant-OK).

COSTA RICA: Radio For Peace International 21560 f/d cd. w/ ltr., station data and schedule in 47 ds. for \$1.00. (Becker-NY).

CYPRUS: CEC 6030 f/d "Map" cd. in 6 wks. (Huniwell-NJ).

CZECHOSLOVAKIA: Radio Praha 7345 f/d "Hluboka Chateau" cd. w/ schedule in 36 ds. (Healey-RI). f/d cd. in 31 ds. (Becker-NY). 5930 f/d "Opocno Chateau" cd. in 20 ds. w/ schedule. (Terrence). 11990 f/d "Karlstejn Castle" cd. in 50 ds. w/ schedule. (Levison-PA).

DENMARK: Radio Denmark 15165 f/d cd. w/ schedule in 27 ds. for a taped rpt. and 2 IRCs. (Turnick).

DOMINICAN REPUBLIC: Radio Amanecer 6025 two cds. rcvd. for two different rpts. v/s Socrates Dominguez. (MacHarg).

DUBAI: UAE Radio Dubai 11965 f/d cd. in 21 ds. (Gaharan).

ECUADOR: Radio Zaracay 3394.8 n/d folder cd. in 1 mo. for a SP rpt. and ms. v/s Elssy Cun C., Secretaria. Pennant rcvd. (Allen-OK). Radio Nacional Espejo 4680 f/d prepared cd. w/ ltr. in 46 ds. for a SP rpt. and ms. v/s Marco Caicedo. Marco sent separate postcard greetings to my wife and I. Very friendly station. (D'Angelo-PA).

EGYPT: Radio Cairo 9475 f/d cd. w/ stickers and postcards in 43 ds. (Healey-RI).



STAMP SERVICE: William Plum continues to offer the finest in service for mint postage stamps. Whether your report is going to Algeria or Zimbabwe, Bill has what you need for return postage. For further information please write to Bill at 12 Glenn Road, Flemington, NJ 08822. You'll be glad you did...Sam.



- MEXICO:** Radio Educacion 6185 f/d ltr. in 11 wks. for a SP rpt. v/s Gustavo Carreno Lopez, Sub Director. (Huniwell).
- NEWFOUNDLAND:** CKZN 6160 f/d "CBC" cd. in 14 ds. v/s R. Knowles. (Zobro-MI).
- NEW ZEALAND:** Radio New Zealand 15150 f/d cd. w/ pennant in 21 ds. for 3 IRCs. (Turnick).
- NIGERIA:** Radio Nigeria - Kaduna 4770 f/d form ltr. in 46 * ds. for \$1.00. v/s Yusuf Garba. (Wakisaka-MD). Rima Radio - Sokoto 6195 f/d ltr. in 1 mo. for \$1.00. v/s Haliru A. Argungu, Program Manager. (Palmerheim).
- NORWAY:** Radio Norway International 11850 f/d "Skiing" cd. w/ sticker and schedule in 31 ds. (Healey-RI).
- PAPUA NEW GUINEA:** Radio Simbu 3355 f/d ltr. in 367 ds. for ms. v/s Fabian Waim, Manager. (Cones-VA).
- PERU:** Ondas del Huallaga OAXCO 3330.5 p/d ltr. in 5 wks. for a SP rpt., ms. v/s Flaviano Llanos M., Rep. Legal. Also rcvd. station pennant and postcards. (Palmerheim).
- PHILIPPINES:** Radio Veritas 15465 "Pagsanjan Falls" cd. w/ schedule in 23 ds. for \$1.00. (Zobro-MI). 15325 f/d cd. in 28 for 2 IRCs. v/s Ms. Cleofe R. Labindao. (Cones-VA). FREC 9830 f/d "Robert H. Bowman FEBC President" cd. in 85 ds. for 3 IRCs. The QSL card stated that the transmission was from Saipan. (Blight-MD)...So count it as Saipan...Sam.
- POLAND:** Radio Polonia 7270 f/d prepared cd. in 5 wks. w/ personal ltr. v/s Miroslaw Lubon, English Section Editor. (Rubin-NY). f/d "Logo" cd. w/ schedule in 36 ds. (Healey-RI). f/d cd. w/ sticker in 55 ds. (Turnick).
- PORTUGAL:** Radio Portugal 9905 f/d cd. w/ schedule in 85 ds. (Healey-RI). Radio Free Afghanistan 11825 via RFE/RL Gloria site f/d cd. in 8 ds. (Wakisaka-MD). Radio Free Europe 17725 f/d ltr. w/ schedule in 1 mo. v/s Dave Walcutt. (Moore).
- RIO MUNI:** Radio Africa 9553 f/d cd. in 18 ds. for ms. via CA address. (Paszkievicz). 9851.6 p/d yellow "Logo" cd. in 1 mo. for ms. (Wakisaka-MD).
- ROMANIA:** Radio Bucharest 11940 f/d cd. in 90 ds. (Levison-PA). (Gaharan).
- SAIPAN:** KYOI 11900 f/d prepared cd. signed and stamped in 23 ds. after a f/up rpt.
- SCOTLAND:** Weekend Music Radio 6317.2 f/d "Transmitter" cd. in 1 mo. for \$1.00. v/s * Jack Russel Also rcvd. personal note mentioning Fisher, Berg and others. (Wallace) 15043 f/d cd. in 6 wks. for 3 IRCs. (Hyson-NC). 6312 f/d cd. w/ ltr. and station info. in 44 ds. Paper pennant rcvd. (Cones-VA). 6317.4 and 15043.7 f/d cds. in 1 1/2 mo. for \$1.00. (Lare-MI).

SOLOMON ISLANDS: SIBC 9545 f/d "Logo" cd. in 57 ds. (Zobro-MI).

SOUTH AFRICA: Radio Five 4880 f/d cd. in 31 ds. (Zobro-MI). Radio RSA 9580 f/d "SABC" cd. in 19 ds. v/s Minnie Visser. (Kacir-MI). f/d cd. in 23 ds. w/ a complete listing of available Radio RSA QSL cds. (Zobro). 6010 f/d "Kingfisher" cd. in 101 ds. (Kacir). 9615 f/d cd. of "White Rhino" in 61 ds. (Kacir). same in 23 ds. w/ schedule. (Zobro).

SPAIN: Radio Exterior de Espana 11880 f/d cd. w/ schedule in 81 ds. (Healey-RI).

SRI LANKA: Deutsche Welle 11865 n/d "Map and Satellite" cd. in 3 wks. (Huniwell-NJ).

SULAWESI (Celebes): RRI Ujung Pandang 4720 f/d "Logo" cd. in 372 ds. for an IN rpt. and ms. v/s A. Nyongk BA. (Cones-VA).

SUMATERA: RRI Tanjung Karang 3395 f/d prepared cd. w/ personal ltr. in 22 ds. for an IN rpt. and SASE (used). Letter was signed by R. Dharot N., Tehnisi Penerima while the cd. was signed by Hi. Hanafie Umar, Kepala. (All-en-OK).

SWITZERLAND: Red Cross Broadcasting Service - ICRC 6135 f/d cd. in 54 ds. (Levison-PA).

1310AM. **WIRNE** 4880. CHINA, COSTA

RADIO NACIONAL ESPEJO

Estacion 1310, Frecuencia 1310 AM y 1310.5 MHz, Aproxim. 500 Watts - GUADALAJARA

Quita, 9 de Enero de 2009.

Señores:
Eduardo A. P. Amador
PDS Marketing Firm
Wilmington, DE 19808
E.U.A.

Respetado señor Eduardo: me he placer al poder comunicarme con usted en fecha 9 de Enero de 2009. El intercambio comercial realizado en la industria de servicios de telecomunicaciones en el 2008, y que se ha realizado en la industria, y que se ha realizado en la industria.

Desde febrero 2009 se aplicó un nuevo sistema de pago de los servicios de telecomunicaciones en el territorio de los Estados Unidos, el cual se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009.

Quita se le repite de la república del Ecuador está situado en la cordillera de los Andes a una altura de 2,800 metros de altura sobre el nivel del mar y con una población de más de un millón de habitantes.

Tiene 20 años que trabaja en el negocio de la telefonía móvil en el país de los Estados Unidos (en el país de los Estados Unidos) y que se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009.

Esperando que siempre me siga escuchando todos los que trabajan en el negocio de telecomunicaciones en el territorio de los Estados Unidos, y que se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009, y que se aplicó en el mes de febrero de 2009.

Me despido de usted Sr. Desde la comunicación por su sistema.

1310 AM

R A D I O B R A S

CONFIRMATION OF ACCEPTANCE REPORT - LETTER HEAD

TO: MR. JOHN SCHMIDT
RURAL ROUTE #1, BOX 120
HUNTSVILLE, TN 38861
UNITED STATES OF AMERICA - U.S.A.

FROM: PETER LISTNER,

CONFIRMED 2.9.84, SERVICE AREA A RECEIVED DE WOLFE 141210Z 8401 -
NACIONAL DE LAS VISTAS, DOMINIO TRANSMISORAS DE FRECUENCIA DE 4.875 MHz en -
banda 100 GHz METROS DE SEA DE 10 metros de altura en 1980, en dominio de 100 MHz en -
banda 100 MHz (DUE) DE 100 metros de altura en 1980.

CONSEJO SALES DE LA INDUSTRIA Y ORGANIZACION.

DE LAS INFORMACIONES COMPLETAS EN ESTA FRECUENCIA.

[Signature]
DIRECTOR GENERAL
DE LOS SERVICIOS DE RADIO
DE LA COMISIÓN NACIONAL DE ELECTRICIDAD
Y ENERGÍA

POUCE - 10 04

CON LAS VISTAS, DE PUNTO DE VISIONADO, EL
CER. 82.203 - DOMINIO - AMPLIACION - 1000
DE P. 0. 100 100 - INFORMACION
CER. 82.203 - DOMINIO - AMPLIACION - 1000

9605 f/d "Tower and Transmitter" cd. in 82 ds. for \$1.00. (Zobro-MI).

VENEZUELA: Radio Valera 4840 very large date only cd. w/ sticker in 45 ds. for a SP rpt. and SASE (not used). v/s Jose Esilinto Perez, Director. Also rcvcd. very nice photos of the town and station. (Moore). p/d cd. w/ sticker in 6 mo. for a SP rpt. and \$1.00. (Wakisaka-MD). Radio Universidad 3395 f/d prepared cd. w/ stickers and personal ltr. in 1 mo. for SASE (used) and after a f/up for receptions in 78 and 80. v/s Senorita Sondes E. Dubuc (unsure of the first name), Directora. Her father owns the station. Street address - not in the WRTH is: Edificio Barrios / Avenida 2, No. 21-72, Merida. (Moore).

YUGOSLAVIA: Radio Titoqrđ 9620 via Radio Yugoslavia n/d cd. in 32 ds. for 2 IRCs.

 Tarjeta de Verificación
QSL
via Roland Archer

Confirmamos la recepción de fecha 13 de junio de 19 88
de nuestra Emisora ONDA CORIA 4850 KHz, Banda de 60 m Potencia
10 Kw. Le fue reconocido correctly y de acuerdo a nuestra programación.
Esperamos recibir siempre sus reportes.

Atentamente,
[Signature]
Luis Esteban Arce del Bar
QSL Leth. 02 de octubre de 19 88

* (Wakisaka-MD). Radio Pristina 11735 postcard, QSL letter and a personal letter in 178 ds. via registered mail for an SASE. v/s M. Tito, Technical Department of Transmission and Microwaves. (Darling-PNG).

NOTES: Received a very informative letter from Nelson George in which he received a letter from Andy Sennitt, Editor of the WRTH, commenting on the frequency arrangement for the short-wave section of the WRTH. It seems that it is a computer problem that must be worked out prior to next years publication. Good luck! Father John Eckert was very much surprised recently to receive Amman on 9560khz. He thought he had a BBCish type program until he heard the ID. John says his QSL burnout is all forgotten for now! John Topoleski requests the addresses for Radio Caiman, Radio Clandestine and Radio Caroline. Any help? For these and other clandestine stations John, please contact TIARE Publications. Address is given on page 4 of the QSL section...Sam. William Blight from Baltimore, MD sends us the following comments. He is 20 yrs. old and is presently using a Yaesu FRG-8800. His favorite station is the ERT in Greece for music. If plans work out he will be getting an NRD-525 in the near future. Get one Bill, its a great receiver...Sam.

I guess this will end yet another QSL Column. Hope you enjoyed it. Till next time....

73s

[Signature]





FRENDX LOG REPORTERS

FRENDX CONTRIBUTORS SECTION -- APRIL 1989 ISSUE

The following Members were kind enough to submit loggings this month;

Brian ALEXANDER, Mechanicsburg, PA.
Raymond BAUERNHUBER, Rosedale, NY. - ICF2010
Gary BECKER, Deer Prk, NY. - R-4B & ATS-830A
D. Birkhueuser, New Gaven, CT. - ICF7600-DS (apologies for misspelling of name)
William BLIGHT, Baltimore, MD. - FRG-8800
? CICHOREK, New Jersey - FRG-8800
Dr. Allan COURTNEY, Lexington, KY. - R-5000
Keith CUSHING, LOUISVILLE, KY. - ICF2010
Richard D'ANGELO, Reading, PA.
P. DILLON, APO New York
Marlin FIELD, Hillsdale, MI.- SPR-4
? FRODGE, Midland, MI. - R71a
Gerald HART, Selangor, MALAYSIA - ICF2010
Rufus JORDAN, Pittsburgh, PA.
Harold LEVISON, Philadelphia, PA. R70
Sheryl PASZKIEWICZ, Manitowoc, WI. - NRD-515
Edward RUBIN, Port Chester, NY. - ICF2010
Dan SHEEDY, CA.
Jim STREITMATTER, So. Bend, IN.- Yaesu 747GX & ICF2001
David SWARINGEN, Huntersville, NC. - R-5000
John TUCHSCHERER, Neenah, WI. - R70 & FRG7700
Andrew WALLACE, Lowell, MA. -R71a

IMPORTANT NOTICE TO ALL CONTRIBUTORS:

NEW CENTRAL DISTRIBUTING EDITOR EFFECTIVE IMMEDIATELY *****

KRIS FIELD, 431 BABYLON ROAD, AMBLER, PA. 19002
PLEASE SEND ALL LOGGINGS TO KRIS AS OF THIS PUBLICATION


Kap was unable to get this column out this month due to the death of his Uncle, Our most Sincere Sympathies go out to Kap and his Family. It certainly has been a bad year for the Kapinos Family and we hope that all will go better in the future.

Kap wishes to remind all those awaiting Certificates that he has not been able to keep up with the program. What with doing double duty at NASWA and on top of its being TAX SEASON, he has been further burdened with family matters and asks your indulgence. Kap assures you all that he will get all Certificates out just as soon as he can find the time.

Kap also requests that all of the members continue to give the new CDE Kris Field the same support that he has enjoyed for so long. Please make a note of the new editors name and address in order to save time and postage.

Some of you may wonder who is doing this months column, well lets just say that its a typer from the past who wishes you all the very best of DXing.

KAP's FRIEND

73! 



LOG REPORT

section A

2000 to 4899 kHz

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

You guys testin' me or what? What a great turnout! Here we go...

- 2325 AUSTRALIA VL8T 1504-1520 EG, US pop mx, ID. Fair. //2485 strngr //2310 wker. (Atkins-WA 2/11)
- 3210 MOZAMBIQUE R. Mocambique 0312-0335 PT, Mix of tk by OM & vel mx. YL w/ ID & tk @ 0330. Poor. //4855 -Fair (D'Angelo-PA 2/1)
- 3215 SOUTH AFRICA R. Oranje 0340 Afrikans, EZL tunes, ID, Jingle for R.O., Good (Courtney-KY 2/10) (Tuchscherer-WI 2/15)
- 3231.8 SUMATARA RRI Bukittinggi 2259-2319 Song Of Coco. Isl, nx, mx, tk. Fair. //4910.2 (Brown-PA 2/7)
- 3249 HONDURAS R. Luz Y Vida 0346-0407 SP, stringed instr, ID @ 0405, rel organ mx. Fair (D'Angelo-PA 2/27)
- 3255 LESOTHO BBC 0345 African service, EG tk by OM/YL, ID, pop mx, SP Ute QRM co-chan. Poor (Courtney-KY 2/10)
- 3255 LIBERIA ELBC 2305 EG, news abt Liberia (Paszkievicz-WI 2/16) (Tuchscherer-WI 2/10)
- 3285 BELIZE 0440 EG, OM w/commentary on S. African military forces in Namibia. Fair to Good. (Johnson-TX)
- 3290 CHINA CPBS2 1431 OM tk, YL ID over EZL backgd mx, into "English For Communes" LL, teacher had Hong Kong accent. Poor. //7770 6920 6890 (Park-HI 3/5)
- 3310 MANCHURIA Jilin PBS 1429 CH opera w/OM and YL actors, no //s avail. Poor. (Park-HI 3/5)
- 3320 N. KOREA Pyongyang BS 1306 Rant and rave w/ the stray N. Koreans in KR. Poor. //6400. (Park-HI 3/1)
- 3320 SOUTH AFRICA R. Suid-Afrika 0348 Tk by OM in Afrikans, used LSB to cut RTTY QRM. Poor (Courtney-KY 2/10)
- 3325 GUATEMALA R. Maya de Barillas 1105 OM w/rel tk. Marimaba mx. (Field-MI 2/28)
- 3350 N. KOREA R. P'yongsong 1425 KR, Martial mx w/lrg chorus led by YL in typical DPRK style. Poor. //3960 11680. (Park-HI 3/5)
- 3366 GHANA GBC Accra 0607 nx in progress by om w/British sndng accent. Nx ending at 0615 w/repeat of main points. Fair w/noise, fading. (Johnson-TX 3/3)
- 3370 UNID AFRICAN Emissao Provincial de Sofala (???) 0328-0346 PP?/Ven? Tribal vels to 0331, OM tk w/brief mx segmnts. Poor. (D'Angelo-PA 2/1)
- 3375 INDIA AIR Gauhati "A" 1648 Subcontinent love song by YL/OM. Poor. (Park-HI 3/5)
- 3385 NEW BRITAIN R. East New Britain 1125-1135 Pidgin, lcl versions of w. pop mx hosted by OM, ID. Fair. (D'Angelo-PA 2/27)
- 3396 INDONESIA RRI Tanjungkarang 1652 Occidental-like instrum mx on organ, overmodulated tk by OM @ 1700 but too fuzzy. V poor, hvy QRM. (Park-HI 3/5)
- 3450 PERU R. Oyon 1040-1104 fade. OM tk. NA. (Field-MI 2/28)
- 3905 INDIA AIR FS 1634 S. Asian singing, OM w/tk, ment of Iran, "Arabiya", Pakistan Poor. //9912. (Park-HI 3/5)
- 3915 SINGAPORE BBCWS 1616 EG, Feature on environmntl movement and rise of Green Parties in Eu. Poor. //9740. QRM fm NSB on 3925. (Park-HI 3/5)
- 3925 JAPAN NSB 0858 JP/EG, ads, YL anncr w/promo & ID, TP, "EG For Millions" lang lesson shw visiting TV show "American EG Dojo". Fair. (Park-HI 2/21)
- 3925 JAPAN RCI Via NSB 0828 NSB w/Spyro Gyra mx, promo/ID, jingle, into RCI relay w/IS EG/FR IDs. w/"Canada This Week" Poor. //6055 9595. (Park-HI 3/4)
- 3930 S. KOREA KBS1 1144 Tk //s inaudible. VPoor. (Park-HI 3/4)
- 3950 CHINA Qinghai PBS1 1458 Jap-like band mx, 5+1 pips, OM w/ID "Ginghai renmin guangbo diantai" & prob nx. Poor. //6260. (Park-HI 3/5)
- 3960 N. KOREA KCBS Kanggye 1158 Martial mx, YL w/ID "Yogineun Choson chungang bangsong innida", 3+1 pips, OM w/tk, exhortations. Poor. (Park-HI 3/1)
- 3975 ENGLAND BBC Skelton 0638 FR nx, press review abt Salman Rushdie, Sir Geoffrey Howe, Sri Lanka, EG by 0645. Fair. (Park-HI 3/5)
- 3985 S. KOREA CLANDESTINE R. Echo Of Hope 1148 OM/YL tk, ments of Seoul, ref to Kim Il-Sung, better on 3987. Under melodic jammer. Poor. (Park-HI 3/4)
- 3990 LIBERIA VOA 0642 EG, mx by KonKan, ID & rpt on pollution deteoroating artworks. Poor. (Park-HI 3/5) //7280, 9525, 11835 (0420 Sheedy-CA 2/3)

- 3995 FED REP GERMANY D. Welle 0133-0315 GM, Tk, IS, mx, ID w/freq., nx. (Jordan-PA 2/21)
- 3995 USSR ASIA Mayak R Via Khabarovsk 1151 Light jazz fusion mx, then Jean-Luc Ponty selection, IS, bells and nx by YL. Fair. //4040. (Park-HI 3/4)
- 4002.7 SUMATARA RRI Padang 2257-2315 Song of Coco. Isl, ID, nx, poor. (Brown-PA 2/14) (1405 Hart-Malaysia 2/9) (1523 Atkins-WA 2/25)
- 4010 KIRGHIZIA R. Frunze 1146 Folk/opera mx played by OM/YL, @1200 RM IS, nx, all tk in Kirghizian-like tonal lang. Poor. (Park-HI 3/4)
- 4040 USSR ASIA Mayak R. Via Vladivostok 1205 Nx by YL w/correspondent's rpts. Fair, xmitter hum. //3995. (Park-HI 3/4)
- 4395 USSR ASIA 3 Dubl R. Via Yakutsk 1250 YL w/dramatic reading, returned @ 1301 for OM w/classical mx pgm, no //s listed. Poor. (Park-HI 3/1)
- 4450 N. KOREA CLANDESTINE V. OF Natl Salvation 1255 OM w/tk in ROK accent, EZL mx, YL & OM w/ID, martial mx theme. Poor. //4557. (Park-HI 3/1)
- 4649 BOLIVIA R. Santa Anna 2350-0010 SP, mx, tk, ID. Poor. (Brown-PA 2/6)
- 4732.1 PERU R. San Juan 1009-1036 as per WRTH. Poor. (Field-MI 3/1)
- 4740 TURKMEN SSR R. Afghanistan Ashkabad 1557 OM w/tk, ment of Punjab, martial mx, ID "Da R. Afghanistan ...", remarks by OM, OM/YL w/nx, ment Gorbachev. Poor //3965 17655. (Park-HI 3/5)
- 4755 COLUMBIA Caracol de Bogota 1058 SP, DJ tk, ID "...CARACOL...en la Todo de Colombia ...", nx. Poor. (Park-HI 2/20) (0402 Courtney-KY 2/10) (0412 Birkhaenser-CT 2/20) (0433 Swaringen-NC 3/8)
- 4765 CUBA Orbita R. 1210 YL/OM w/nx, them sps @ 1213. Poor. //4800 4920 4940 5015, snds more hollow than normal and demodulated. (Park-HI 3/4)
- 4770 VENEZUELA R. Mundial Bolivar 0220-0235* SP, lively LA vcls, ballads hosted by 2 OM's. ID's. Fair. (D'Angelo-PA 2/8) (Jordan-PA 2/11)
- 4773 UNID 1422-1435 Poss lang Khmer. YL rding shrt phrases w/no brks until abruptly off @ 1435. Wrds "thini", "diphthi" like hrd fm V. Dem Kamp. (Atkins-WA 3/6)
- 4775 PERU R. Tarma *0955-1033 SP, s/on ID, ancmts by OM, OA vcls, ads, ID's, TC's. Poor. (D'Angelo-PA 2/16)
- 4776.8 GABON RTV Gabonaise 2200 FR, ID, nx, ments of Cuba, hvy ute QRM. Poor. (Cichorek-NJ 2/21)
- 4785y UNID 0325-0337 SP(p) Tk, ads, unintellg ID, mx. (Jordan-PA 3/3)
- 4791.6a CUBA Mayak 0530 RU, wandering fm 4766 nom., up here & leaving Nigeria-4770 nice & clr. Bk on 4766 next day or so. EX. (Sheedy-CA 2/10)
- 4795 USSR ASIA Buryat R. 1628 Lively pop mx, YL/OM anns, into Russian style soul mx, seems to be lcl pgm. Fair. (Park-HI 3/5)
- 4795 USSR R. Stn. Peace & Progress 2205-2230 Site presumed as Kharkov. EG, Nx, ID, cmnty. IS at 2229, GM at 2230. //7360, 7250 (Alexander-PA 2/3) (Wallace-MA 2/13)
- 4799.8 GUATEMALA R. Buenas Nuevas 0055 Rel. mx to 0100 then ID in SP followed by SP folk mx. (Johnson-TX 3/1) (0134* Sheedy-CA 2/2) (Atkins-WA 2/16)
- 4800 DOMINICAN REPUBLIC R. Norte (reactivated) 1004-1105 SP, OM w/ ID's, tk, ment of Santiago, IDs. Fair. (D'Angelo-PA 2/7)
- 4800 LESOTHO LNBS Maseru 0545-0600 Vern, YL w/MX show in Lang w/occasional talk. Poor to Fair w/noise fade. (Johnson-TX 2/17) (0400 NA/ID Courtney-KY 2/9)
- 4800.1 PERU R. Onda Azul 1030 OM tk/mx. No ID, poor. As per WRTH. (Field-MI 3/4)
- 4805 BRAZIL Rdif. Amazonas 0132-0145 PT, tk by DJ, ID. Ranchero mx, but mstly tk. (Alexander-PA 2/5)
- 4810 USSR Moscow F/S 1358-1403 EE/JP Clsing EE sked, "Midnite In Moscow" IS, into JP pgm w/ID. UNID site. Fair. (Sheedy-CA 3/1) Dan, ILG shows Vladivostok - ed.
- 4815 BRAZIL R. Nac. de Tabatinga 0330-0339* PT, tk w/R. Bras ref, mx, choral NA, s/off. Poor. (Jordan-PA 3/2)
- 4815 BURKINA FASO RTV Burkina 0600 S/on w/NA, ID, and talk in FR w/mx DJ style. VG to EX. (Johnson-TX 2/18) (2253 Frodge-MI 2/26)
- 4820 HONDURAS LV Evangelica 1214 SP, OM playing request for song from "Jesus Christ Superstar", promos/ads, 1 for Tegucigalpa biz, dedication list. Poor. (Park-HI 2/25) (0357 Courtney-KY 2/9)
- 4820 BOTSWANA R. Botswana 0421 OM w/tk, Dobie Gray song fm '70s, soul/jazz instrum mx, some ments of Haberone by OM. Setswana? Fair. //7255. (Park-HI 3/4)
- 4830 GABON L'Afrique Numero Un 0507 FR, YL playing Afr mx w/several IDs. Poor. (Park-HI 3/1) (2246 Frodge-MI 2/26) (1740 Dillon-Greece 2/12)
- 4830 VENEZUELA R. Tachira 1050 SP, OM w/pop song, OM DJ reading items with 4 xylo notes between them, long ann @ 1101, ads. Poor. (Park-HI 3/4)
- 4834.8 MALI RTV Maliceene 0610 Afro sounding mx w/stringed instr. and chants in AR. VG. (Johnson-TX 2/18) (Frodge-MI 2/26)
- 4835 GUATEMALA R. Tezulutan 0202-0220 SP, Marimba mx, IDs, tk. V. Good (Atkins-WA 2/16) (1103 Park-HI 3/4)

- 4835 SARAWAK RTN Kuching 1325 QU'ran rdg, then 2nd OM speaking softly w/ interpretation, band mx @1330 under ID then presumed nx, xmtr hum. Malay? Poor. // 7145. (Park-HI 3/1)
- 4840.1 VENEZUELA R. Valera 0330-0356* SP LA vcls, ID, anmts, S/off w/NA. Wk. (Alexander-PA 3/5)
- 4844.4 GUATEMALA R. Ke'kchi 0135-0201* . SP, Mx, rel. pgm, ID's, Fair. (Atkins-WA 2/16)
- 4845 BRAZIL R. Nacional de Manaus 0324-0404* PT, nx, mni RN ID's, pop mx, s/off ID @ 0403 w/no NA. Fair. (D'Angelo-PA 2/3)
- 4845 COLUMBIA R. Bucaramanga 0345-0400* SP, Nam mx, ID, s/off. Poor. (Jordan-PA 3/2)
- 4845 MAURITANIA ORTM Nouakchott 0715 AR chants w/stringed instr. Definite Afro flavor, not as mideast chants. VG. (Johnson-TX 3/13)
- 4850 CAMEROON RTV Cameroon 2153-2216 FR, MX, nx at 2200, ID at 2216 as "Ici Yaounde Nationale Cameroon Radio-Television. (Blight-MD 2/16)
- 4850 VENEZUELA R. Capital 0403 SP, LAN/NA m pop mx, ID, SP, 44555 (Courtney-KY 2/9) (Swaringen-NC 3/8)
- 4860 INDIA AIR-Delhi 0028-0040* IS, 6 TPs, tk. EG nx by YL till s/off. (Alexander-PA 2/5)
- 4860 USSR R. Moscow WS 2256-2300 EG, ID, s/off ancmnts. Prsm'd site Kalinin. Exc. (Alexander-PA 2/5)
- 4865 COLUMBIA LV Del Cinaruco 1033 SP, OM w/promos and sponsorship list, ments of CARACOL, song w/guitars, IDs slogans. Poor. (Park-HI 2/24) (0445 Swaringen-NC 3/8)
- 4870.2 BENIN ORTB Contonou 0558 s/on w/tribal mx to 0600 then FR ID followed by talk, mx, comm. VG. (Johnson-TX 2/25)
- 4880 BRAZIL R. Difusora Acreana *0900-0946 PT, s/on w/choral/orch NA, OM w/ID & s/on anmt, better later. Poor. (D'Angelo-PA 2/5)
- 4880 SOUTH AFRICA R. Five 0402 EG, nx, TC, chitchat w/DJ, Pop/Rock mx, ads. Fair. (Park-HI 2/28) (0324 Courtney-KY 2/9) (Cushing-? 2/13) (1720 Dillon-Greece 2/11) (Jordan-PA 3/3)
- 4883m CHINA RB FS Hohhot 1542 RS, YL w/tk, into typical CH orchestral mx, at long last unjammed. Fair. //5145 (Park-HI 3/5)
- 4885 BRAZIL R. Clube do Para 0355-0405 PT, mx jingle, ID, Braz. pop mx. (Swaringen-NC 3/8)
- 4890 GABON RFI Relay 0516 Pop mx show w/OM anncr in FR. Ex but some QRM. (Johnson-TX 2/25) //9790 (Park-HI 2/26) (0415 Courtney-KY 2/10)
- 4890 PAPUA NEW GUINEA NBC 1334 EG, Melanesian C&W mx, tk by DJ. Poor. (Park-HI 3/1)
- 4895 COLUMBIA LV del Rio Arauca 0500-0508* SP, nx, ments of Bogata, ID, NA, Good.. (Courtney-KY 2/12)
- 4895 USSR R. Moscow 1705-1720 RM, Wnx, ID "Aici Moskova" Good. (Dillon-Greece 2/11)
- 4935 PERU R. Tarapoto 0305 Rock mx show w/SP ancmnts. Poor to fair w/noise, fade. (Johnson-TX 3/8)

Nice stuff huh? A few comments... Any Compuserve users can send logs, comments etc. to me at ID 74756,1557. I also check the ANARC BBS and PINELANDS regularly so feel free to use those as well. I will use official NASWA abbreviations and countries where possible so please try and do the same. If you don't have an abbreviation list I'd be glad to send you one. This editor (and I speak ONLY for myself) does NOT need logs in strips. Computer makes it easy to sort and I would prefer not playing with those little pieces of paper. Hope I didn't lose any in this well organized shack! Will try to recognize all contributions, notice time where different on multiple contributors. Still getting the lay of the land here so please bear with me. Everyone reports a little differently and I am trying to get a uniform feel to LRA. I will report all UNID's and if you can identify one of these let me know and I'll get it in here. Be sure and give a hearty welcome to our new Distributing Editor, Kris Field, and THANKS to Kap for a job well done! CU next time - 73, Bob KW3F



LOG REPORT

section B

4900 to 6199 kHz

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

- 4904 CHAD, RN, 0429-0620, IS, NA, vcls, slow tlks in FR, AR after 0600. (Courtney-KY, Park-HI, Johnson-TX) 1645 on 2/11 in FR w/soccer, rock mx, AR at 1700. (Dillon-GREECE)
- 4905 BRAZIL, R. Araguaia, 2/20, 0235-0301* w/songs, ID, tlks, very good. (Tuchscherer-WI)
- 4910 ZAMBIA, ZBS, 0356+ w/drums/chants, full EG ID, nx & vcls. (Johnson-TX, Courtney-KY, Frodge-MI)
- 4915 COLOMBIA, Armonias del Caqueta, 2/16, 1034-1115 w/ID, FC, brief rel tlk, vcls/TCs, bells 1103, ID/FC, bells & nx. (D'Angelo-PA)
- 4915 GHANA, GBC-1, 0526-0635 in EG w/TT, guitar, drum, anmmts, NA, EG ID, tribal mx, some vern. (Park-HI, Johnson-TX) 2220-2301* w/rel in vern, EG ID 2229 (Frodge-MI, 2/26) "Saturday Nite Special" 3/4, nx 2245 (Birkhaeuser-CT)
- 4920 AUSTRALIA, VLM4, 3/5, 0758 w/cricket, 6 pips, nx //9660, 15425, 1cl QRM. (Park-HI)
- 4920 ECUADOR, R. Quito, 2/10, 0427 w/discussion, "Dallas" theme, ID, TC, SIO=434. (Courtney-KY) Tnx for the loggings--sp.
- 4925 MANCHURIA, Heilongjiang PBS II, 2/27, 0950 in KR w/60s instls, "Yogineun Heilongjiang bangsong.imnida," mx over TP. (Park-HI)
- 4934a KENYA, Vok, 2/18, 0248 w/dance vcls, EG ID, TC, martial mx, nx, fair. (Sheedy-CA) 2/1, 0402 w/nx, ID 0413, march mx, tlk, much QRM. (D'Angelo-PA) 2/28, 0413 w/nx, cmtry. (Park-HI)
- 4935 BRAZIL, Rdf. Jatai, 2/20, 2332-2348 exc. w/tlks, mx but not usable 0101 recheck. (Tuchscherer-WI)
- 4940 AFGHANISTAN, RA, 2/6, 0115 w/OC, string/percuss. IS 0130, YL anmmts, "Afghanistan-Kabul." Subcont. type mx, echo anmmts. Peak 0205--grayline thru Afghan/Tadzhik. 4775 unhrd then. New freq? (Atkins-WA)
- 4940 ASIATIC RFSFR, R. Orbita via R. Yakutsk, 2/24, 1101 in RS w/Pink Floyd segue, Orbita ID, speech. //4800, 4825. (Park-HI)
- 4953 ANGOLA, RN, 2/16, 0420 in PT w/poss. Aerobics. (Johnson-TX) 2/16, 2302 w/ID, QTH ref, clx bridge, tlks. (Paszkiewicz-WI)
- 4955 BRAZIL, R. Marajoara, 2/2, 0305-0325* w/sports & studio rpts, ID, s/off anmmts, off w/o NA. (D'Angelo-PA) 3/2, 0305-0326* tlk by 2 M, IDs, QTH ref, FC, TC, echo IDs & soft mx to close. (Jordan-PA)
- 4957 AZERBAIJAN SSR, R. Baku, 2/9, 1930-1945 in Azer. w/Mid-East mx, ID, modern jazz, slight ute QRM. (Dillon-GREECE)
- 4965 NAMIBIA, RSWA, 2/21, 0305 in AK w/instls, ads, story. (Paszkiewicz-WI) 2/20, 0356 w/Zamfir mx, ID, 6 TP, rel tlk/hymns (Park-HI)
- 4970 VENEZUELA, R. Rumbos, 2/12, 0437 w/skipping record! Corrected with a shove. (Courtney-KY) 2/13, 2330 w/nx, ID 0103. (Birkhaeuser-CT)
- 4975 BRAZIL, R. Tupi, 2/23, 2300-0300* w/NoR mx, echo anmmts, ID, ad strings, weak. First ID after 2 wks. (Jordan-PA) Congrats!
- 4975 CHINA, Fujian PBS I, 3/5, 1448 in CH w/nx, correspondents rpt. poss. Dushanbe in back. (Park-HI)
- 4975 TADZHIK SSR, Dushanbe, 2/1, 0150, //4635 til 0200 in RS, TC, TP, ID, into Tadzhik lang. Fair. (Sheedy-CA) 2/27, 1705 in poss. Dari, nx, pop mx, ment. Afghanistan. (Park-HI)
- 4976 BRAZIL, R. Timbira do Maranhao, 2/16, 0018-0115 w/live sports, one Bahia team. Ad string 0022, ID, SIO=2+42+ (D'Angelo-PA)
- 4976 UGANDA, 0400-0418, world & Afr. nx, cmtry, items from R. Moscow, ID 0417. (Johnson-TX, D'Angelo-PA, Wood-HI)
- 4980 VENEZUELA, Ecos del Torbes, 2/26, 0300 w/tangos, saludos a pueblo Jimenez. (Birkhaeuser-CT) 3/5, 0958 w/song, ID, excited tlk, nx w/tones between, ads. (Park-HI)
- 4990 ARMENIA, R. Yerevan, 2/9, 1915-1950 in Armenian, rpt on Afghan world nx, ID, clx mx, fair. (Dillon-GREECE)
- 4990 INDIA, AIR Madras, 2/5, *2358-2420 in lang, IS, YL tlk, subcont. mx. G w/slight QRM R. Bahai. (Alexander-PA)

- 4991 PERU, R. Ancash, 3/5, 0456 w/new-age huaynos, ID by OM, dance mx w/violins. WWVH QRM. (Park-HI)
- 4995 MONGOLIA, R. Ulan Bator HS, 3/5, 1535 in Mongolian? martial mx, W tlk in SSB fidelity, M speech, overmod. //4850. Under ute & WWVH QRM. (Park-HI) Tnx for all the material!--sp.
- 5000 AUSTRALIA, VNG, 2/25, 1229 in EG "This is VNG Langallo NSW Australia w/a temporary bcst." repeated. u/WWVH, o/JJY/WWV. (Park-HI) 2/20, 1530 w/same, ment. txing on 5 MHz. (Wood-HI)
- 5000 CHINA, BHM, 2/24, 1729 in CH w/Morse ID repeated, "BPM Shao Zhou" ID at :45. TP, u/WWVH. (Park-HI)
- 5000 HAWAII, WWVH Kauai, 2/20, 0028 w/ticks, full ID by YL 0029. (Park-HI)
- 5000 JAPAN, JJY, 3/3, 1728 in JP w/TP, Morse ID 10 times, then "JJY, JJY. ." (Park-HI)
- 5000 USA, WWV, 2/21, 1129 w/ticks, "Natl Bureau of Standards Time" full ID, QTH. (Park-HI)
- 5004 RIO MUNI, RN, 2/17, 0500 in SP/vern w/NA, ID, drums, guitars, F-G thru 0530. (Johnson-TX) 3/5, 0514 in SP w/rhumba-Afr. mx rap & piccolos, 0530 rel pgm, singing in lang. (Park-HI)
- 5005 NEPAL, R. Nepal, 3/11, 1140 in NP w/tlk, ID, pop vcls, 5+1 pips & annmts. Utes/ham QRM. (Johnson-TX) 3/5, 1548 in NP w/nx by OM, ment. Nepali, Kathmandu, 3230 unhrd. (Park-HI)
- 5010 MADAGASCAR, R. Madagasikara, 2/28, 0217-0250 in Malagasy w/soft vcls, annmts by M&W, ID 0222, mx bridge 0229. May have been some FR. (Atkins-WA)
- 5015 CLANDESTINE, R. Truth, 2/28, 0425 in vern w/speech, guitar mx sked, IS, (Park-HI) 2/3, 0430 w/drunken bird IS, EG ID, "Buffalo Soldier" cover..pretty funny since RSA doesn't allow blacks in armed forces. (Sheedy-CA)
- 5015 USSR, Mayak, 3/5, 1546 in RS w/EZL like "I Just Called to Say I Love You." //4860, 5910. (Park-HI)
- 5020 NIGER, OHTN, 2/25, 0530 w/chorus, flutes, ID. Vg. (Johnson-TX) 3/5, 0530-0540 w/choir, ID, Koran, lcl Afr. mx 0537. (Alexander-PA) 2/10, 0533 w/Koran, FR tlks, vern. (Courtney-KY)
- 5020 SOLOMONS, SIBC, 2/24, 1104 in EG w/R. Australia nx //9580, lcl annmt, flutes, "SIBC News, I'm kudy Bosson." (Park-HI) 2/27, 1159-1203* w/end of tlk, ID, FC, s/off annmts & instl version of NA. (D'Angelo-PA)
- 5020 SRI LANKA, SLBC, 2/27, 1719 in poss. Tamil, Indian vcls, ID 1731, sung NA, off 1736, bassy audio. (Park-HI)
- 5025 CUBA, R. Rebelde, 2/20, 1104 w/Beatles mx on "Hacienda Radio" show, interview, ment. Nicaragua, Cuba. (Park-HI) 2/8, 2323, Cuban folk mx. SIO=444. (Courtney-KY)
- 5030 CHINA, CPBS II via Xian, 3/5, 1443 in CH w/"EE for Communes" lang lesson abt office duties. QRM, erratic fade. (Park-HI)
- 5030 COSTA RICA, R. Impacto, 2/27, 1115 w/IDs, ment freq. "onda media. onda corta." "republica democratica de la America Central." Mozart mx. (Park-HI)
- 5035 CEMP. AFR. REP., R. Centafrique, 2/15, 2225 w/bouncy Afr. mx, ID, NA to 2257* (Blight-MD)
- 5035 KAZAKH SSR, R. Alma Ata II, 3/5, 1604 in poss. Kazakh w/nx, ment. India, Gorbachev, Ulaanbataar, flute IS in A-minor, more nx. lcl QRM & unid 5030. (Park-HI)
- 5045 BRAZIL, R. Cultura do Para, 2/27, 0120-0140 w/guitar instls, ID 0130, "Sentimental Journey." (D'Angelo-PA) 2/9, 0419, Ballads & lively mx, IDs. SIO=444. (Courtney-KY)
- 5049.1 VENEZUELA, R. Mundial, 2/9, 0425 w/LA pops, IDs. (Courtney-KY)
- 5050 CHINA, Nanning, 2/22, 1520 in VT w/tlk, ment. town of Dalat, good sig. (Wood-HI)
- 5052 SINGAPORE, SBC Radio One, 3/3, 1720 (why late?) in EG w/Roy Orbison, DJ on phone w/teenager, Nat King Cole mx, tlk, jingle "on Radio One." //11940. QRM unid 5053. (Park-HI)
- 5055 COSTA RICA, TIPC Faro del Caribe, 2/26, 0553 in SP w/nx, pop song, sermon. Hvy ute & lcl QRM. (Park-HI)
- 5055 FRENCH GUIANA, RFO Cayenne, 2/22, 0520 in FR w/mx, good sig but QRM de TIPC & unid 5055. (Johnson-TX)
- 5055t IRIAN JAYA, RRI Nabire, 2/28, 1233 w/EG vcls but no ID, hrd on good Indo morning. (Field-MI)

- 5055 SWAZILAND, TWR, 3/2, *0354 in GM w/IS, EG IDs "This is Trans World Radio, Swaziland," synth mx 0359, GM pgm //6070. white noise & lcl QRM. (Park-HI) Congrats on Chad above--sp.
- 5063 ECUADOR, R. Progreso, 2/4, 1057-1108 w/morning tlk, rooster, formal ID, FC 1100, mx/tlk pgm w/YL. SIO=353. (D'Angelo-PA)
- 5075 CHINA, CPBS II via Urumqi, 3/5, 1450 in CH w/"EE for Communes," //75030, u/ute. (Park-HI)
- 5089.8 PAKISTAN, R. Pakistan, 2/5, 0055-0130 in lang w/ID & ment. Islamabad, 3 TP 0100, nx by W, subcont. mx. Still strong at 0215 recheck. (Alexander-PA)
- 5163 CHINA, CPBS II via Xian, 3/2, 1058 in CH w/tlk, 5+1 TP, ID by W, singing & flutes //5075. Ute & lightning. (Park-HI)
- 5275 TAIWAN, WYFR via VOF, 3/1, 1054 in CH w/extended IS, ID by W, M ment. Oakland, CH hymn, sermons, mx. (Park-HI)
- 5275.5 PERU, R. Onda Popular, 2/19, 0430-0509* w/SP pops, ballads, huaynos, anmts. s/off w/NA. (Alexander-PA)
- 5320 CHINA, CPBS I via Beijing, 2/27, 1653 in CH w/"Mexican Hat Dance," CH orch mx, anmt, theme, then YL "Zhongyang renmin guangbo diantai" //5880. RTTY QRM. (Park-HI)
- 5420 CHINA, CPBS via Beijing, 3/1, 1207 in KR w/nx, ment. Arafat, Namibia, //4190, 5030. Good. Lightning QRN. (Park-HI)
- 5567 COLOMBIA, R. Nueva Vida, 3/4, 2335-2400 noted back on air after weeks w/IDs, rel mx. (Alexander-PA) 2/25, 0110-0130* w/A Mighty Fortress, ment. Family Radio, Oakland, ballads, suddenly off 0130. (Paszkievicz-WI)
- 5800 CHINA, Xinjiang PBS, 3/1, 1225 in Uighur w/Indo-Turkish folk song, W ment. Xinjiang sev. times, ID 1229, string/flutes. (Park-HI)
- 5885 CLANDESTINE, Echo of the Public, 3/2, 1051 in KR w/OC, "Arirang" by trad orch, soft anmt but overrun by jammer //4160. Also under RTTY. (Park-HI)
- 5905 USSR, R. Moscow, 2/15, 0334 in SP w/pgm for Spain, rock mx. SIO=322. (Frodge-MI) Kharkov listed--sp. 2/23, 0720 in EG w/"Tonight" pgm, tlk abt Soviet election rallies. (Park-HI) Petropavlovsk listed at this time--sp.
- 5910 USSR, Mayak, 3/5, 1531 in RS w/Tom Jones soundalike doing Hey Jude in EG, jazz mx, EZL 1544 //4860, 4920. (Park-HI)
- 5930 CZECHOSLOVAKIA, R. Prague, 2/27, 0407 in SP w/nx, ment. Praga sev. times //7345. (Park-HI)
- 5940 ASIATIC RSFSP, RM, 2/25, 1130 in JP w/nx, "Kochiwaru Mosuko hoso desu" //5960. Petropavlovsk listed. (Park-HI) 2/25, 1133 in RS w/"Govorit Magadan" ID, //7320. (R. Orbita via R. Magadan). (Park-HI) Under RM in JP.
- 5945 UZBEK SSR, R. Tashkent, 2/9, 1335-1350 in EG, mx. (Hart-MALAYSIA)
- 5950 USSR, 2/21, R. Moscow, 2217 in RS w/folk mx, ID, nx 2230. (Cichorek-NJ) 2/25, 2230 w/IS, clx mx, opera, WYFR on 2255. (Tuchscherer-WI) Leningrad listed.
- 5955 PHILIPPINES, VOA relay, 3/5, 1516 in CH w/nx, FC, IDs, into Cantonese //9660. QRM de 5957 unid. (Park-HI)
- 5960 WEST GERMANY, DW, 3/8, 0505 in EG w/nx, "Newslines." (Swaringen-NC) 2/26, 0537 w/GM by Radio. (Park-HI)
- 5960nf SOUTH AFRICA, RSA, 3/3, 1757 w/IS to 1758*. (Park-HI)
- 5965 CANADA, BBC via RCI, 3/3, 1054 in EG, TP & nx 1100. (Park-HI)
- 5965 CUBA, RHC, 2/21, 0400 in EG w/ID, pgm preview, nx. (Park-HI)
- 5965 MALAYSIA, RTM, 3/5, 1712 in poss. Malay w/pop mx, read names, some EG tunes, TC/nx 1730. (Park-HI)
- 5974 PERU, R. Melodia, Arequipa, 2/4, 1033-1055 fade, nx, freq. IDs, Remote/phone rpts. SIO=232. (D'Angelo-PA)
- 5975 CHINA, R. Beijing, 2/25, 1152 in KR w/CH lessons //4620. Don't confuse w/R. Korea. (Park-HI)
- 5975 SOUTH KOREA, R. Korea, 3/3, 1756 in KR w/"Radio Hanguk bangsong," theme song "Arirang." (Park-HI)
- 5975 OMAN, BBC relay, 3/5, 1508 in EG w/"Nrxreel" //9740. (Park-HI)
- 5980 YUGOSLAVIA, R. Yugoslavia, 2/8, 0110 w/EG tlk abt sports, folk mx. (Johnson-TX)

- 5984.6 INDONESIA, unid, 2/18, 1459+, missed lcl ID, SCI, Jak nx.
 hetting Burma. Poss. Biak? (Sheedy-CA)
- 5990 JAPAN, R. Japan, 2/18, 1525 EG interview abt airport security.
 Fair w/some noise, drift. (Johnson-TX) 2/24, 1750 w/JP
 lesson, ID for GOS, TP, JP ID & JP nx. (Park-HI)
- 5995 AUSTRALIA, R. Australia Shepparton, 2/20, 0826 in EG w/
 Melbourne Stock Exch. rpt, prop. rpt. (Park-HI)
- 5995 HONG KONG, BBC relay, 2/27, 0945 in EG w/EG lesson. (Park-HI)
- 5995 MALI, RM, 2/28, 0608 in FR w/national nx //4783, 4835, all
 good. (Wood-HI) 2/12, 2320 w/drum mx, strings, tlk by OM
 in FR & lang. (Johnson-TX)
- 5995 TANGIER, VOA relay, 3/5, 0527 in EG w/various rpts, "Issues
 in the Nx" QRM Japan 5990, unid 6000. (Park-HI)
- 6000 CUBA, R. Moscow NAB, 2/21, 0335 in EG w/ad for software called
 "Psychom." Write to "New Market" pgm for details. (Park-HI)
- 6005.5 COSTA RICA, R. Reloj, 2/9, 0455 w/mx, IDs, best in USB to
 avoid BBC. SIO=223. (Courtney-KY)
- 6009.88 BRAZIL, R. Inconfidencia, 2/10, 2258 w/IDs, lite instls,
 covered by RM 2300. SIO=334. (Courtney-KY)
- 6010 VENEZUELA, R. Los Andes, 2/9, 0510 w/IDs, mx. (Courtney-KY)
 2/11, 1018-1103 w/vcls, TC btwn songs, many IDs, ad string
 1028, remote nx rpt 1042, back to vcls. SIO=2+42+ (D'Angelo)
- 6025 BIAFRA, FRCN Enugu, 2/18, 0634-0702 in vern w/tlk by 2M,
 annmt, 5 TP, full EG ID, nx. Tnx R. Ross/R. Trotto for finding
 this. (Paszkiwicz-WI)
- 6030 WEST GERMANY, Sueddeutscher Rundfunk, 3/5, 0500-0610 in GM
 w/quiet biergarten mx, vcls, ID 0600. (Wallace-PA)
- *6045t CLANDESTINE, R. Cubanos en Africa, 2/24, *0500-0530 in SP.
 Noted sev. days, TP 0500, tlks. (Jordan-PA)
- 6065 SWEDEN, R. Sweden, 2/14, 0605 in Swedish w/nx //15390 until
 WYFR s/on 0606, was good. (Wood-HI)
- 6105 BRAZIL, R. Cancao Nova, 2/13, 2358-0058 weak but clr until
 BBC s/on 6110 0015. Voz do Brasil pgm //4825, 6170, 6090,
 6010, etc. (Sheedy-CA)
- 6105.45 BOLIVIA, R. Panamericana, 2/11, 0008 w/mx & tlk, ID after
 30 min. (Courtney-KY)
- 6110 MALTA, R. Mediterranean, 2/26, 2320 in EG w/C&W mx, nx, NA to
 2329* SIO=322+ (Frodge-MI)
- 6115.85 COLOMBIA, R. La Voz del Llano, 2/10, 2359 w/rapid fire tlk
 by M, Super ID on hr. SIO=444. (Courtney-KY)
- 6130 CANADA, CHNX Halifax, 2/10, 2239 w/traffic rpt, ID, ads,
 jingles. SIO=222. (Courtney-KY)
- 6134.8 BOLIVIA, R. Santa Cruz, 2/4, 0945-1005 w/Andean ballads, ads.
 ID 1000. (Alexander-PA)
- 6150 COSTA RICA, R. Impacto, 2/11, 0445 w/LA nx, tlk abt Panama,
 //5030. (Courtney-KY)
- 6155 CHINA, Gansu PBS, 2/1, 1500, weak & buried by Moscow. //4865
 tho, tnx Steve Reinstein tip. (Sheedy-CA)
- 6160 CANADA, OKZN pres, 2/9, 2252 w/"As it Happens," very weak.
 SIO=242. (Courtney-KY)
- 6165 CHINA, Beijing FS, 2/1, 1355-1435 in Thai/Lao, weak u/unid
 CH speaker, //7350 w/orch mx, closing 1425, 1430 open again
 w/"East is Red," ID & into Lao. Poor. (Sheedy-CA)
- 6165 SWITZERLAND, SRI, 3/6, *0555 IS, FR ID, nx, QRM Bonaire.
 Fair. (Wood-HI)
- 6170 USSR, R. Moscow, 2/18, 1830 in Farsi w/monolog. (Dillon-GREECE)
- 6179a NORTH KOREA, R. Pyongyang FS, 2/8, 0844 in KR w/martial mx,
 s/off annmt, NA, pause to 0848* (Park-HI)
- 6185 VATICAN, Vatican Radio, 2/11, 2347 w/arias, ID, clx mx,
 SIO=434. (Cichorek-NJ)
- 6190 VATICAN, Vatican Radio, 2/15, 2104 in EG w/ID, tlk abt Catholic
 minority in Bangladesh. (Cichorek-NJ)
- Thanks for all the support this time. There's gotta be
 something in here for everyone this time! Welcome to approx.
 5 new reporters and tnx to Dale Park for the fine bandscan!
 Till next month, 73.



LOG REPORT

section C

6200 to 11699 kHz

Editor: Jerry Ervine, Box 5204, Hidalgo, TX 78557

- 5980 USSR RMWS 2152-2202 EG ezi mx, nx, yl w/ID; (Tuchscherer-WI)
- 6120 COLOMBIA LV del Llano 0215-0245 SP w, ads-Coca Cola, Papaleria Moderna, La Tortuga, mx salsa; (Birkhaenso?-CT 12/15)
- 6145 COSTA RICA R. Impacto 0400 SP report; (Birkhaenso-CT 12/7)
- 6205 ECUADOR HCJB 0821 GM rlg mx, pgm. g; (Roupe-WV 12/26)
- 6205 IRELAND R. Fox 0830-0945 EG rock mx, to -twenty minutes to nine ad strings, ancd closing down Dec 31 @3 pm. 242; (D'Angelo-PA)
- 6210 JAPAN RJ 0315 JP EG om w/cmtry, QRM HCJB. 322 (Frodge-MI 1/10)
- 6213 CLAND R. Quince de Septiembre 1148 SP om w/cmtry, promos, ID, 'Voz de la Resistencia' (Frodge-MI 1/1)
- 6239.9 PIRATE WKND 0540-0703* EG rock mx, tk, ID. (Alexander-PA 1/21)
- 6240 PIRATE Falling Star R. *0400-0445 EG overture opening, ID 'The NA Svc of the Falling Star R.' tonights pgm dedicated to the planet earth. tk, contributions requested, address given. 353; (D'Angelo-PA 1/21) / 0500-0530* (Alexander-PA 1/21) / 0441-0603* (Carlsen 12/24)
- 6240 PIRATE WENJ J-Rock 2228-2300* EG Rock mx, phone 1-800-255-7924 (touch tone only) 201-525-7960 for all others & Canada. slogans, mx 343; (D'Angelo-PA 1/14) / previously om 7418, oldie mx, s/off w/NA; g. (Alexander-PA 1/14)
- 6240 UNIDPIRATE pres. 0615-0642 EG rockmx, chatter. 151; (D'Angelo)
- 6240 PIRATE The Voice of Tomorrow 2100 EG "When you hear the cry of the wolf, your listening to the Voice of Tomorrow", classical mx to racist speech. 322; (Frodge-MI 1/15)
- 6248 VATICAN CITY VR 0637 EG/LATIN Mass. g; (Roupe-WV 12/26)
- 6250 FERNANDO PO R.Nac., Malabo 2055 SP HI-life mx, ID. p-f; (Sams-KS)
- 6280 CHINA, QUINGHAI PBS, Xining 2325 CH ID, tk, mx. (Schulze-FRG 1/5)
- 6305 CLAND LV del CID 1146 SP drama pgm, QRM rtty. 322; (Frodge-MI)
- 6318 SCOTLAND Weekend Music R. 0418-0431 EG ID's, om w/broadcast info p. 222; (Carlsen 12/25)
- 6324 PERU R. Estacion "C" 1100-1124 vocal mx, tk by om, mx, ID, 232 (D'Angelo-PA 1/14)
- 6340 TURKEY Turkish Police R. *0457 twelve-note theme to 0459, om w/ID, mx, p. (Golden-NY 1/15)
- 6540 KOREA, PDR RP FS 1501 AR NA, ID 'Idha'atu-i-Chosun', nx, ute/QRM. p. (Park-HI 1/28)
- 6560 KOREA, PDR RP FS 1315 JP om w/nx, ID, 'Kochiwaru Pyongyang, Chosun-choi hoso desau' tk, lcl-like signal, //6540; (Park-HI)
- 6648 CLAND R. Venceremos 0116 SP numbers, ID, mx, Mexico address. off @0119, carrier to 0120; 322 (Frodge-MI 1/7)
- 6691 PERU R. Cutervo 0315-0412 SP mx-SP ballads, ID, ancmts, s/off w/NA. (Alexander-PA 1/29) / ed.note. the following reported same between 2344 and 0443: Field-MI, D'Angelo-PA, Paszkiewicz-WI, Sheedy-CA, Atkins-AL.
- 6727 PERU R. Satellite 0230-0300* SP mx, om ancr; (Field-MI 1/29) / also reported by the following on 6728-6727 between 2347 & 0300 D'Angelo-PA, Paszkiewicz-WI, Atkins-AL;
- 6785 CHINA V of the Strait, Fuzhon 1134-1203 CH vocal mx, tk by om. 5 +1 time pips, ID by om, nx.353 (D'Angelo-PA 1/14)
- 6810 USSR RM (via ?) 2156 RS om tk, mx, IS, unid new IS @2200 to s/on; 333 (Frodge-MI 1/27)

6860 CHINA RP 1810-1830 GM om w/ID, Euro-styled mx, travel pgm, clas. mx; vg. (Dillon-GR 1/15)

6895 PERU R.Sensacion 0040-0105 & 0135-0156 SP flute mx, yl ancr, tc, ID; f. (Sheedy-CA 1/26) / 0013-0037 (Atkins-AL 1/22) / 0115-0200* Tuchscherer-WI 1/27) / 0014-0200 (Field-MI 1/14)

6909.6 IRELAND R.Dublin 0245-0305 EG rock/pop mx, yl w/nx, om DJ, ID, heard pos. '101 FM'? licensed? p-f. (Archer-NC 1/22) / 0740-0815 'R. Dublin 101 FM'. f-g. (Alexander-PA 1/14)

6933 CHINA_PR RB(t) 2203 SP om w/cmtry 333 (Frodge-MI 1/27)

6945 UNID R.VOLNA 2156 RS om/yl w/tx.333 (Frodge-MI 1/15)

6975 UNID 0418 two jammers noted. (Frodge-MI 1/25)

7110 ETHIOPIA VOE 0545-0557* Amharic yl ancr w/Eth mx, ID,IS, s/off; Streitmatter 1/30)

7115 BULGARIA RS 0412-0418 EG review of daily events;(Becker-NY 1/18)

7130 UNID 1235 Jammer, QRM'd by 7135. (Frodge-MI 1/1)

7145 ALGERIA R. Algiers 1545-1605 AR yl DJ w/AR mx, ID, tps, Mid-East nx by om. f. (Dillon-GR)

7180 HONG KONG BBC Relay 1607 EG wld nx, 'Nx About Britain' ID as 'East Asia Relay; exc. (Sheedy-CA 1/26)

7205 AUSTRALIA RA 1233 EG 'Communicator', 333. // 7215; (Frodge-MI)

7210 IRAQ BSRI 2130-2210 AR M EA mx, om,yl ancra, ID by om, nx, mx. g-f. (Jordan-PA 1/18)

7215 AUSTRALIA RA 0030 EG 'Communicator' px. 333. (Frodge-MI 1/1) 1248 mx, [co-channel het, QRM RJ 7210]. (Park:HI 12/25)

7220 SIBERIA RMWS CHITA (per PPTWR) 1855 EG US-accented DJ playing requests, Supertramp mx, band ancmnt, ID, nx. //7135, 7170. [het QRM] (park-HI 1/5)

7265 GERMANY_FR Sudwestfunk 0503 GM 80's rock mx, phone conversation wld nx, ID, (Golden-NY 1/7)

7270 POLAND RP *0630-0655 EG IS, ID by om, nx by om & yl. // 6135, 15120. p. (Jordan-PA 1/22)

7280 IRAQ BSRI 2158-2310, 2300-2310* AR om tx, mx, recitations, nx ancmts, ID, anthem; (Jordan-PA 1/26,1/28)

7284.6 MALI RTVM *0658-0718 FR s/on w/NA, ancmts w/ID, lcl military band mx, tx; // 7110.1. (Alexander-PA 1/22)

7320t QATAR DOHA 2120-2128* AR prayers, mx. (tuchscherer-WI 1/29)

7355 USA WRND 0135-0150 EG 'Record Breaker' px, 50's, 60's (Purdue-MN)

7360 USSR RM 1845 GM pop mx, tx by om & yl; g. (Roupe-WV 12/25)

7365 USA WCSN 0755 EG 'Letter Box' px, Euro-xmsn, s/off. (Cooper-CT)

7400 USSR R. Mayak 1805 RS w/oper, clas. mx. // 12070; g. (Roupe-WV)

7400 USSR R.Kiev 0300 EG yl w/s/on, px notes, nx, cmtry; 344(Frodge)

7412 INDIA AIR 2205-2230* EG nx, cmtry by yl, ID. f. // 11620, much stronger. (Alexander-PA 1/29) / 2145-2215 (Overcamp 2/5/89)

7414 USA_PIRATE United World R. 0314-0354* EG Beatles, Michael Jackson mx, host/ Mike Davis. DX report. 333. (Carlsen 1/1)

7415 USA_PIRATE WENJ,J-Rock 2201 EG oldies, jingles, DJ/ Dave Edwards ph # given. off w/'Bye-Bye' 222 (Frodge-MI 1/1) / 2120-2305 w/ Jack Bean. (D'Angelo-PA 1/1, 1/2) / 80's mx, called ph# and rec QSL in 4 days. 433. (Carlsen 1/1)

7430 GREECE VOG 0344-0349 EG nx (Becker-NY 1/18)

7465 ISRAEL KOL 0105-0110 EG nx re. Common mkt, Is. nx. (Purdue-MN)

7475 TUNISIA RTT 0500 AR om w/ID '...al Tunisia' prayers, nx, mx, tx, (Golden-NY 1/8) 2220-2236 om's tx. //12005. RTTY QRM? ed. note. 12005 seems more like a jam down here. je; (Tuchscherer)

7520 USA WHRI 0528 EG rlg mx, tx by om. g. (Carlsen 12/31) / 0439 contemporary christian mx. (Paszkievicz-WI 1/29)

7820 CHINA RB FS 1200 EG/CH IS, ID, om w/headline & nx. (Park-HI 2/1)

8345 KOREA RP 1315 EG nx, ID, mx; f. Roupe-WV 12/26)

9385 ISRAEL KOL 0000-0030 EG nx, DX Corner; (Becker-NY 1/8)

- 9410 ENGLAND BBC 0400-0405 EG nx; (Becker-NY 1/18)
- 9435 CLAND R. National Unity 1415-1502* EG lcl string, flute mx, AR vocals. '...thank you for listening' AR px; w. (Alexander-PA)
- 9435 UNID 1430 EG mx of Mid-EA. No. Afro variety. nx, PO box given. (Field-MI 1/28) ed. note: your copy difficult to read. je.
- 9435 ISRAEL KOL 2238-2250 EG nx, ID, DX Corner, ID, IS, pips; (Streitmatter 1/8) / 2003 nat'l x w/yl, Israel Mag. px, cntry (Cooper-CT 1/22) / 0105-0125 nx, mx px. g. (Purdue-MN 1/3)
- 9445 TURKEY VOTO400-0423 EG int'l nx, TK nx. g. (Purdue-MN 1/15)
- 9465 SAIPAN KFBS 1600 RS ID, address, rlg px, Am gospel tunes, Christmas carols; 232 (Lackmann-VA 12/22)
- 9475 EGYPT R. Cairo 0200-0210 EG ID's, Egyptian mx; (Purdue-MN 1/8)
- 9480 ALBANIA RT 2240 EG Q & A px, typical xmtr hum-p. (Eckman-CA)
- 9495 USA R. Earth Int'l 0335-0400 EG Christmas Eve DX px, ID by om, cntry abt M.L. King. 454. (Trotto-FL 1/17)
- 9505 NETH. ANT., BONAIRE RNW 1034 EG 'Happy Station' [QRM 9500, buzz jammer 9495, R Oz spur below; Media Network, Media Quiz 89, Anarc nx; Ireland radio update; [QRM USSR 9495/9510] (Park-HI)
- 9515 IRAQ RB 0428-0445 AR mx, ID, mx, nx by om, yl. S=5+. (Schulze-FRG)
- 9525 CUBA RH 0743 EG cntry by yl, mx. Pac. Coast svc. (Cooper-CT)
- 9535 SWITZERLAND SRI Euro svc. 1635-1701 IT ezl mx w/yl DJ, IS, German sked., freq. into GM. vg. (Dillon-GR 1/21)
- 9535 ANGOLA R. Nac'l, Luanda 2105-2133 PT pres. lively percussions w/ om vocals, other mx, ID. sig very weak w/ het & arm QRM. (Jordan)
- 9540 USSR R. Tashkent 1200-1225 EG nx, ID; (Terrence-NY 1/19) / 1212-1225 cntry abt Soviet agriculture, ID by om, mx bridge, px tx. 343. (D'Angelo-PA 1/4)
- 9545 GERMANY, FR DW 1545 GM on discussing the 50's, mx by Connie Francis, Elvis. (Park-HI 1/19) / 1715-1745 yl ancr w/rock, pop mx, tx, DW ID. (Dillon-GR)
- 9555 MEXICO La Hora Exacta 1312 SP tx by om, yl, ads, jingles, tc & tone every minute. wk. (Alexander-PA 1/15) / 1215-1226 242 (D'Angelo-PA 1/5)
- 9560 FINLAND RF *0730-0745 nx, cntry., news paper edits. QRM Int' Red Cross xmsn; (Cooper-CT 2/2)
- 9560 JORDAN RJ 1715-1830 EG rock mx, play, ID, ezl mx; f. (Dillon) / 2115-2145 mx px, songs by Chicago, omancr, brf tx, tc, ID's; g. (Jordan-PA 1/19) / 1457-1518 mx, tc, ID, nx, px; (Streitmatter)
- 9582.7 EQUATORIAL GUINEA R. Africa 2110 EG clergyman tx, ID, addresses, rlg tx; 333. (Lackmann-VA 1/29)
- 9605 PHILIPPINES R. Veritas 1000 CH under WYFR in FR, theme mx, tx by om; 222. (Lackmann-VA 1/17)
- 9605 VATICAN VR 0100-0110 EG px, nx; strong sig. (Purdue-MN 1/8)
- 9610 ECUADOR HCJB 0735 EG 'History of the Incas' feeder Happiness IS px; (Cooper-CT 1/6)
- 9610 AUSTRALIA ABC, Perth 1326-1401 EG cntry, ID, tc pips, IS, QRM before 1330; (Streitmatter 12/21)
- 9615 SO. AFRICA R. RSA 0200-0210 EG nx; ex. signal. (Purdue-MN 1/3) / 0250-0258 Anaturo R. spectrum px, sunspot propagation analysis; (Swaringen-NC 2/5)
- 9615 SWEDEN RS 1635 multilingual ID, s/on 1700, QRM DW in Turkish; f. (Wood-HI 12/20)
- 9620 YUGOSLAVIA R. Beograd via RY (Sundays) *2055-2128* Serbo-Croat IS, s/on, ID, encmts by om, nx by om & yl, mx; 544. (D'Angelo-PA)
- 9620 YUGOSLAVIA R. Ljubljana via RY (Mondays) 2108-2124* Sloven nx w/om & yl, ID, mx, IS; 444. (D'Angelo-PA 1/16)
- 9620 YUGOSLAVIA R. Skopje via RY *2058-2129* Macedonian IS, 4+1 tp's, ID, mx bridge, nx, tx by om; 444. (D'Angelo-PA 1/21)
- 9620 YUGOSLAVIA RY 0118 EG interview on EG lit; 343. (Levison-PA)
- 9620 YUGOSLAVIA R. Novi Sad via RY 0755 IS, ID, IS, into HG; f. (Wood)

9630 SPAIN SFR EG wld nx, wx, cmtry by om; //11860 (Bauernhuber-NY) 0130-0145 mx px on histof SP mx culture. ex sig. (Purdue-MN 1/3)

9635 USSR, ASIA R. Vladivostok 0815 RS heard after BBC 9640 s/off yl w/ID 'Govorit Vladivostok', theme mx, px, QRM (Park-HI 2/13)

9635 FINLAND RF 0330 EG 'Northern Report', nx. //11755. g. (Wood-HI 1/2)

9640 ANTIGUA BBC WS 0702 EG nx, '24 Hours', 'Media Watch' (Park-HI)

9640 KOREA, REP RK 0545 KO/EG IS into nx, QRM BBCWS via Antigua, poor choice for new freq. (Wood-HI 12/28)

9640 DUBAI UAE R. 0329 EG s/on after AR bcst. ID, freqs, t-pips, to into nx. p. //11940 better. (Sellers 12/31)

9645 COSTA RICA Faro del Caribe 1214-1225 SP ID by om, ments of px 'Impacto', tx, mx. 353 (D'Angelo-PA 12/17)

9650 MONACO TWR *0755 EG IS, ID, into rlg px; g. (Wood-HI 12/19)

9650 NORWAY RNI *0355 NO/EG IS, ID, nx; //11750. f. QRM Paz y Progreso. (Wood-HI 12/11)

9650 PHILIPPINES R. Veritas 1130 KO/EG mass, mx; 232. (Lackmann-Va)

9655 THAILAND RT 1130 EG IS, tx not clear, ID, woodpecker QRM. 232. (Lackmann-Va 1/18) / 1207-1221 nx by yl, not clear, mx, tx by yl, fade @1221. (Snyder-NY 12/30)

9655 CUBA RH EG mx panorama dedicated to Che Guevara. (Bauernhuber) / 0240-0245 'DX'ers Unlimited' px, reception reports read from listeners. (Swaringen-NC 2/5) / 0137 political tx. (Hankins-PA)

9655 SWEDEN RS 2100 EG Christmas px special. (Zilmer 12/24)

9660 YUGOSLAVIA YR 2216 EG interview w/humanrights spec. (Eckman-CA)

9660 AUSTRALIA ABC, Brisbane 0823-0833 EG ID, mx. (Schulze-FRG 12/27)

9660 ETHIOPIA VOE 1830 EG nx by om, ID, mx, co-chan. QRM. het from Bagdad; 322. (Lackmann-Va 1/22)

9665 CHINA, PR RB *1100-1156* EG to No. Am. nx; g. (Wood-HI 12/8) / 1125-1156* 'Across China' px in progress, fin. nx, (Jordan-PA)

9665 SO. AFRICA R. Suid-Afrika 0445 AK sermon, ID. (Wood-HI 12/11)

9670 Saipan KFBS 1431 EG om tx, mx into Orientallang. p. (Sellers)

9670 PORTUGAL AWR-EUROPE, SINES 0900 EG 'Adventist Wld R.' ID by om, QRM HCJB. prior to 0900, clear in GM. (Sellers 1/1)

9690 CHINA, PR RB 0303 EG wld nx, cmtry. 434. (Levison-PA)

9690 GERMANY, FR DW 0205 EG; f. (Hart-Malaysia 12/17)

9690 ARGENTINA RAE 2201 SP s/on, IS, encmts, nx; 333. (Lackmann-Va)

9700 BULGARIA RS 2130 EG ID, freq, ancmts, nx by om, ID, mx, amateur choir mx. (Cichorek-NJ 12/17)

9700 CHINA, PR RB 0000 EG nx, cmtry, sp. Christmas px. (Zilmer 12/26)

9720 SAUDI ARABIA BSKSA 1615 EG pop mx, 1700 nx [Syrian svc.] (Zilmer 12/27) / other reporters between 1230 and 2044; Rugg-Quebec, Snyder-NY, Trotto-FL, D'Angelo-PA, Tuchscherer-WI, Cichorek-NJ.

9725 COSTA RICA R. Lira 'AWR' 0010-0030* rlg px, ID, [not in WRTH] F. (Shaedy-CA 1/28) / 1257-1308 EG vocal mx, some days in SP. (Rugg-Quebec 1/18) / 1200-1300 address, 'Family Forum' rlgpx. (Alexander-PA 1/6)

9730 USSR RM 1529-1545 TURKISH IS, ID, sked & freq, wld nx by yl; f. 12/10; / 1710-1730 Shona wld nx, ID w/om ancr; (Dillon-Gr 12/12)

9730 SWAZILAND TWR Manzini 0425 EG IS, ID, live show 'Daybreak' ment Dr. Paul Fred; listed only meter bands, no freqs; g. (Wood-HI)

9730 GERMANY, DR RBI w/QSB EG wld nx, ID's, 'Mailbag'; (Bauernhuber)

9735 GERMANY, FR DW 0143-0149 EG anecdotes, Christmas; (Hankins-PA)

9735 PARAGUAY R. Nacional 0005-0035 SP mx, ID by om, mx. (Jordan-PA)

9740 SINGAPORE BBC WS 1715 EG Bush Inaugrial Address, 5 min delay; lcl QRM; (Park-HI 1/20)

9755nf USSR RMWS 1807 EG nx, 'Top Priority' show; QRM (Park-HI 2/26)

9755 VATICAN VR 1912 RS? [listed] IS, mx, tx by yl. Under RM. (Park)

9760 UK BBC, UK site *0440 RS IS, ID, theme, pips, nx. (Shaedy-CA)

9760 AUSTRALIA RA Shepp 1031 JP nx into EG lesson; no 'DX Time'

normally sked. here. QRM RA 9770, Tahiti 9753; (Park-HI 1/29)

- 9760 ALBANIA RT 2336 EG ID by yl, nx re defense, pollution, lcl sports nx; //8085 (Cichorek-NJ 11/30, 12/5)
- 9760 CANADARCI 2208 EG SWL Digest, tx abt emergency Ham Net on 14.275 usb. interesting listening; 544. (Cichorek-NJ 12/17)
- 9785 MALTA V o Mediterranean 0604-0657 EG tx abtholiday customs, 'keep writing to Us'; 444 (Carlsen 1/1)
- 9785 USSRRM 0150 EG Sunday Itens, lcl ite,s; (Hankins-PA 11/12)
- 9770 CHINA,PR RB 0031 EG cmtry re wild life, CH lesson; 333 (Levison-PA 12/8)
- 9770 IRAQ R.Bagdad 2100 EG mixing w/ WHRI w/EG sked, ID into ME instr.mx; f. (Sheedy-CA 12/25)
- 9770 MALI R.Beijing 0348 EG yl w/CH lite nx features; 433. (Frodge) /0249-0257* oriental mx w/CH ancmts; (Kling-TX 12/28) ed.note. yes, Paul, I will reply, busy,busy; je.
- 9770 YEMEN AR REP R. San'a *0300-0500 AR om tx, M-EA mx bridge, ID by om, yl ancr w/ID, tx, mx; off the air from 0422-0430. f. (Jordan-PA 1/10) / 0312 prayers, 0318 Om tx. QRM?423. (Ervine-TX) I am listening at this very moment; ed.d / 0418 om tx; 423 (Snyder-NY 12/28)
- 9785 USA,ALASKA KNLS #500 RS IS, ID by yl, KNLS, Anchor Point, Alaska, into tx; 434. (Trotto-FL 1/6/89)
- 9800 FRANCE RFI 0156 FR yl w/ID, mx; (Hankins-PA 11/12) / 0315-0345 EG nx, Afro-Beat, pictures from Sahara; (Becker-NY 1/11)
- 9810 USSR RM #1429-1445 AR IS, ID, sked, freq, nx, tx; g. (Dillon-GR)
- 9815 ISRAEL KOL 2230 EG nx, Spotlight-Christmas message. //9855 (Zilmer 12/24)
- 9815 USA KUSW 0420 EG Jazz-Laker basketball via 570 KISN. (Park-HI)
- 9825 TURKEY VoT 2135 EG 'Letter Box'; f. (Cooper-CT 2/1)
- 9825 USSR RM 0607 EG tx, cmtry; // 7175. 333. (Sampson-WI 1/8)
- 9835 HUNGARY RB 0158 EG yl w/ID, trumpets, om,yl tx; (Hankins-PA) / 1940 cmtry. 444. (Levison-PA 12/15) / 1405-1425 Turkish pos. lang lesson, ID, om ancr, cmtry; g. (Dillon-Gr 12/10)
- 9839.9 VIETNAM VoV 1300 FR theme, openingancmts, sked, tx by om, mx, tx, mx; 242. (Lackmann-VA 2/2)
- 9850 EGYPT R. Cairo 1800-1835 AR ID, Qur'an recitation, chimes, horns, wld nx; g. (Dillon-GR 12/15) / 0505 azan. // 9770, g. (Wood-HI 12/9)
- 9850 NEW ZEALAND RNZ 0915-1106 EG ID, clas mx, t-pips,, ID, nx; g. (Schulze-FRG 1/8) - Enjoyed your comments Rowland. I'm sure you are really enjoying your new rig. Regards, and please write. I have a 12 yr. old grand-daughter wanting a pen pal. je.
- 9881.7 EG, GUINEA Bata 2120-2302* EG rig px, s/off w/NA;(Alexander-PA) / Rio Muni R Africa 2228 om tx; ex. (Sellers 12/28)
- 9860 NETHERLANDS RNW 1540 AR ID; g. (Wood-HI 12/18)
- 9860t ITALY It.R.Relay svc 1340-1400 IT pres. mx, yl ancr; (Jordan-PA)
- 9875 AUSTRIA ORF 0030 EG nx, cmtry; 444. 0117 clas.mx fol. by Jazz; 444. (Levison-PA 12/29, 1/29) /0030 tx , cmtry, nx; (Hankins-PA) 0130-0200 pop jazz of '80 era. into Austrian, pips, ID;(Terrence) / 0031-0055 nx, discussions; g. (Becker-NY 7/12)
- 9875 SPAIN REE 1750-1805 SP om interviewing yl, ID, clas mx, pop mx, tp's, ID, 'noticias'; g. (Dillon-GR 12/9) / 0645 LA AM mx, px; g. // 9650 (Wood-HI 12/11)
- 9885 SWITZERLAND RSI 0400 EG nx;f.QRM R.Moscow. //12035, 9725. (Wood-HI 12/23) / 0212 wld nx, 333.(Frodge-MI 12/22) /0203 nx (Hankins-PA) / 1735-1750 AR wld nx;g. (Dillon-GR 12/9)
- 9800 EGYPT R. Cairo 0300 AR ID, NA (Kling-TX 12/27) / 0030-0330 AR to No AM. (Mayer-PA) / 1908-1920 GM (Mayer-PA)/2140 om w/wld nx, cmtry; 333. (Frodge-MI 12/22) / 2130-2150 EG nx, cmtry; (Becker) 2120 mx, nx by yl, QSB, QRM; (Cooper-CT 2/1) / 0150-0155 AR mx px; ex. (Purdue-MN 1/3)

9910 INDIA AIR 1705-1750 FARSI/AR mx, ID, Qur'an, mx;f. (Dillon-GR)
 9915 ENGLAND BBC 0026 EG cmtry; / 0208 wld nx; (Hankins-PA 11/12)
 9925 BELGIUM BRT 2205-2225 EG 'Radio World'; f. (Becker 12/31) /
 0038 cmtry; 444. (Levison-PA 12/22) / 0030-0050 tx, reading of
 letters, DX tips on Mongolia, Sri Lanka; (Swaringen-NC 2/5) /
 0500 FR ID, nx; (Wood-HI 12/20)
 9942 CLAND LV del CID 0333 SP cmtry on Cubans in Angola, 'LV de res-
 tencia', 'R. Camilo Cienfuegos...'; 333. (Frodge-MI 12/26)
 9950 SYRIA R. Damascus 2020 EG 'Flight Of the Bumblebee' bridge,
 West Banker; // 12085. (Eckman-CA 12/18)
 9960 CLAND R. Caiman 0020 SP ancmts, QRM; (Hankins-PA 12/17)
 9965 CLAND R. CAIMAN 0015-0025 SP pops, om tx, ID's martial mx,
 w/ID, nx, mx; (Jordan-PA 1/25) / 0031 EG carols, yl w/ID; 233.
 (Frodge-MI 12/26) / 0205 SP tx, ballads, ID's; (Tuchscherer)
 10060 VIETNAM VoV 1128 Vietnamese yl anc, ID; //10010 443. (Trotto)
 11515 CHINA, PR RB 1230 JP tx, CH mx; //4960. f. (Roupe-WV)
 11620 INDIA AIR 2137-2200 EG mx, cmtry, IS, ID; (Streitmatter 1/30) /
 1930-1950 EG cmtry, mx; (Dillonz-GR 1/15)
 11645 GREECE VoG 0134 GK/EG folk mx, nx; g. (Roupe-WV 12/26)
 11650 GUAM TWR 1550-1812 EG rlg tx, hymns, ID @1800; (Tuchscherer 1/7)
 11665 KUWAIT RK 1830-1843 EG nx, pop mx px; (Purdue-MN 1/15)
 11680 UK BBC 1650 AR/EG N Afro mx, stn address, t-pips, nx; (Park-HI)
 11680 USA KGEI 0229 RS yl w/stn ID & address, om w/rlg px. ex-7365.
 QRM, QRM; (Park-HI 1/4)
 11695 USA KUSW 0238 EG mx, DJ promoting Utah Jazz game, rock mx; QRM
 RTTY 11690; (Park-HI 2/22)
 11695 FR. GUIANA R. Beijing via Montsinery 0410 EG wld nx, nx abt
 CH, ID; strong. (Sheedy)
 11745 BRAZIL Radiobras 0225 EG mx, ID; (Birkhaever?-CT 1/13)
 11965 DUBAI UAE R. 1928-1958 AR Qur'an, pips, ID, NA, tx; //9780,
 11815. (Streitmatter 1/8)
 13645 ARMENIAN SSR R. Yerevan *0329-059* Armenian/EG IS, ID by om
 & yl, ancmts, nx, mx, rlg px; //15180 (454), 15455 (D'Angelo)
 UNDER THE WIRE
 6340 TURKEY Turkiye Polis R. 0505 Turkish ylaner w/Turk mx (Johnson)
 6550 LEBANON R. LEBANON 0445 AR yl w/mx px, om w/ancmt; (Johnson-TX)
 7160 MALAYSIA R. Malaysia, Sarawak 1180 EG nx, ID; (Johnson-TX2/9/89)
 7210 UK BBC 0344 RS IS, mx, pips, om w/ID, yl w/nx; (Park-HI 2/27)
 7255 BOTSWANA R. Botswana 0355 EG/Lang popular IS, s/on @0400, ID,
 sked; (Johnson-TX 2/15)
 7285 SO. AFRICA R. Orion 0425 AK mx w/om DJ, ID, nx; QRM Hams (Park)
 7580 KOREA, PR RP FS 0914 KR yl w/cmtry; (Park-HI 2/1)
 7820 CHINA, PR RB FS 1200 CH/EG IS, ID, yl w/nx; (Park-HI 2/1)
 9480 MONACO TWR 0900 EG ID, rlg px, ;343. (Cichorek-NJ 1/1)
 9545 SOLOMON IS Honiara 0650 EG pop mx, ID, lcl nx, commercials;
 QRM from VOA; (Johnson)
 9610 SECHELLES FEBA 0310 SH IS, ID, yl w/sked, px, rlg px; (Park-HI)
 9660 ETHIOPIA VOE 1829-1858* EG Mid-Ea mx, ID by yl; (Tuchscherer)
 9700 CLAND (S. Africa)? V o Resistance of the Black Cockerel #0500
 PT ID, anthem, military band, freq in meters & MHz; g. (Wood-HI)
 9735 PARAGUAY R. Nacional 0440 SP mx, ID, tx by om; (Johnson-TX 2/22)
 9875 AUSTRIA RAI 0450 EG px 'Report From Austria', multi-lang ID,
 Blue Danube IS; (Johnson-TX)



LOG REPORT

section D

11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

- 11730 SPAIN RNE in SP 0700, req rpts, s/off 0702, g (Wood HI 3/7)
- 11730 FRENCH GUIANA R. Japan relay in JP 0240, disc of bcsting in S.A. (Park HI 2/12)
- 11740 VATICAN STATE VR in IT *0700, nx, ID in multi-lang, //9645, g (Wood HI 2/27)
- 11750 NORWAY RNI in NO/EG *0455, IS, ID, nx in NO, f (Wood HI 2/28)
- 11755 PHILIPPINE IS. R. Veritas in CH 1000-1055*, instr mx, EG ID (Wallace MA 2/13)
- 11755 SWAZILAND TWR in EG *0455, IS, ID, TC, relig pgm (Sheedy CA 3/1, Wood HI 2/28)
- 11770nf AUSTRALIA RA in EG 0840, sports, mx (Park HI) in FR 0600, rock mx (Wood HI 3/14)
- 11770 SOUTH AFRICA RSA in AK 0600, TC "ag uur" (8 o'clock), nx, g (Wood HI 2/14)
- 11780 BRAZIL RN de Amazonia in PT 2145, adn, jingles, ID's, f (Cichorek NJ 2/21)
- 11805 GUAM KTWK Agana in EG 0805, pgm sked, freqs, address (Swaringen NC 3/5)
- 11805 BRAZIL R. Globo in PT 2226, slow ballads, echo ID's, p (Courtney KY 2/8)
- 11810 EAST GERMANY RBI in EG *0600, IS, xman to Mid East, nx, g (Wood HI 3/7)
- 11815 POLAND R. Polonia in PL 0500, IS, ID, nx, f w/QRN from R. Moscow (Wood HI 2/8)
- 11820 ASCENSION IS. BBC relay in EG 2000, tlk re status of Guyana (Tuchscherer WI 2/23)
- 118225 SOCIETY IS. RFO Tahiti in TT 0500, mx requests, ID, //15170, g (Wood HI 2/28)
- 11830 INDIA AIR Delhi in HD *0130, IS, 6 pips, ID, nx? (Sheedy CA 2/10)
- 11830 ROMANIA R. Bucharest in EG 0235, cntry on geriatric care, g (Levison PA 2/22)
- 11835 SRI LANKA SLBC in EG 1055, mx, ID, cntry on Mid-East (Johnson TX 2/9)
- 11840 ROMANIA R. Bucharest in EG *0530, IS, ID, nx, g but QRM fr R. Moscow (Wood HI)
- 11840 UNITED KINGDOM RCI relay in FR *0600, ID in EG/FR, then nx in FR (Wood HI 2/14)
- 11850 FINLAND RF in EG 1527, "Sports Now", sked, //15185, g (Wood HI 2/22)
- 118655 INDONESIA RRI Jakarta in IN 0055-0100*, ID, closing theme, f (Sheedy CA 2/20)
- 11920 SPAIN RNE in SP *0558, IS, nx, //9650, 9875, 11730, all g (Wood HI 2/14)
- 11920 IVORY COAST RIV Abidjan in FR 2303, CM w/apparent world nx (Johnson TX 2/11)
- 11925 SOUTH AFRICA RSA in EG 1455, skeds for EG pgms, //25790, g (Sheedy CA 2/18)
- 11925 BRAZIL R. Bandeirantes in PT 2330, time pips, tlk, ID, f (Courtney KY 2/8)
- 11945 FINLAND RF in EG 1300, IS, ID, fqys, nx, econ cntry, exc (Streitmatter IN 2/27)
- 11955 LIBERIA ELWA Monrovia in AR *0656, opening ancnrs, ID, AR mx (Alexander PA 2/4)
- 11985 BELGIUM BRT in DT 0503, nx, ID as home service relay, g (Wood HI 2/16)
- 120188 VIETNAM VOV in VT 2250, SE Asian mx (Johnson TX 2/11) in FR 1310 w/nx (Wood HI)
- 12030 SWITZERLAND SRI in EG 1314, mailbag, casual ID's (Cichorek NJ 2/9)
- 12085 SYRIA R. Damascus in EG 2100, ID, fqys, nx, cntry, exc (Cichorek NJ 2/20) in AR 2310, mid-East mx, CM in AR to 2315, followed by nx (Johnson TX 2/12)
- 13685 SWITZERLAND SRI in EG 1525, Swiss country mx, ID, //15430, 17830 (Wood HI 2/22)
- 13730 AUSTRIA ORF in EG 1855, anncd new fqys incl RCI relay!, Strauss mx (Park HI)
- 13770 ICELAND Reykjavik in IC 1915-2046*, nx, auto racing, ads, mx (Alexander PA 2/18)
- 13790 WEST GERMANY D. Welle in EG 0614, "The Week in Religion", ID, //11765 (Park HI)
- 15000 TAIWAN BSF time in Morse code 2309, ID in CH, best when WWV silent (Wallace MA)
- 15010v VIETNAM VOV Hanoi in EG 2357, ID barely audible (Cushing 2/18)
- 15095 ISRAEL Kol Israel in EG 11043, mid-East mx, nx by US accented man (Park HI 2/12)
- 15110 CLANDESTINE(CHINA) V. of Kampuchea in Khmer 0425*, sked, fqys, g (Wood HI 1/31)
- 15115 NO. KOREA R. Pyongyang in EG 0019, rhetoric, ID 0039/0047, f (Cichorek NJ 2/11)
- 15115 PORTUGAL(p) R. Liberty in RS *0500, ID "R. Svoboda", nx, QRM (Wood HI 2/2)
- 15120 VATICAN STATE VR in AR 1657, IS, ID, "Laudetur Jesus Christus" (Blight MD 2/18)
- 15130 MALI R. Beijing relay in EG 1628, Valentine's Day in China (Tuchscherer WI 2/14)
- 15140nf USA KJES Vado, NM in EG 1732, country gospel mx, ID, tlk, f (Courtney KY 2/16) In EG 1743-1800, recitation of Bible verses, poor audio (Paszkiwicz WI 2/18)
- 15150 CZECHOSLOVAKIA R. Prague in EG 1620, "Afro-Asian Service", IS (Frodge MI 2/12)
- 15160 AUSTRALIA RA in EG 0740, "Communicator" re RA's 50th anniversary (Park HI 2/12)
- 15165 DENMARK RD in DN 1727, IS, ID in EG/DN, nx, cntry, f (Streitmatter IN 2/27)
- 15160 NO. KOREA R. Pyongyang in EG 0005, cntry re. S. Kor. students (Rubin NY 2/28)
- 15200 FRENCH GUIANA RFI relay in PT 2157, IS, ID, mx, nx (Tuchscherer WI 2/14)
- 15235 UNITED KINGDOM VOA relay in AR 0756, nx, s/off w/IS at 0800, f (Park HI 2/12)
- 15250 SRI LANKA VOA relay in EG 0122, "Monday Morning", f-g (Davisson OH 2/20)
- 15305 MONGOLIA R. Ulan Bator in EG 1445, IS, ID, nx (Tuchscherer WI 2/23)
- 15310 OMAN BBC relay in EG 0440, H.G. Wells "War of the Worlds" (Hart MALAYSIA 2/5)
- 15310 NORWAY RNI in EG 1629, "Science Notebook", relig pgm in NO (Frodge MI 2/12)
- 15335 MOROCCO RTVM in AR 1435, Maghreb-style AR mx, ID, p (Dillon GREECE 2/5)
- 15335 SAUDI ARABIA BSKSA in SH *0455, IS, NA, ID, nx, g (Wood HI 2/14)
- 15360 INDIA AIR in EG 1938, tlk re Indian hero, ID, local mx (Tuchscherer WI 2/18)
- 15395 SRI LANKA VOA relay in EG 1554, mx, YL w/jazz bit, ID, IS (Tuchscherer 2/7)
- 15430 SWITZERLAND SRI in EG/IT 1514, IS, fqys, ID, sked, into IT, f (Park HI 3/5)

- 15435 UNITED ARAB EMIRATES R. Dubai in EG 1605, tlks on AR culture, ID 1614, orch mx, ext svce fqys, f (Jordan PA 2/25) nx to 1640, AR chants, f (Frodge MI 2/12)
- 15460 ICELAND ISBS Reykjavik in IC 2050, nx, chimes 2052, //17558 (Alexander PA 2/18)
- 15545 PAKISTAN RP in Urdu(p) 1830, ID, mid-East mx, prayers, chorus (Jordan PA 2/27)
- 15555 CLANDESTINE Iran Flag of Freedom in lang? 0315, ID in EG 0330, p (Cushing 2/22)
- 15770 ICELAND ISBS Reykjavik in IC 1410-1457*, nx w/some EG, //17530 (Alexander 2/12)
- 15880 CHINA CPBS Taiwan 2(p) in CH 0505, oriental arias, tlks, ID(p), p (Jordan 2/28)
- 17530 ICELAND ISBS Reykjavik in IC *1400-1435*, interviews, nx, p-g (Jordan PA 2/14)
- 17558usb ITALY Advent. World R. in lang 2011*, GM ID, trumpet IS (Streitmatter IN 2/28)
- 17575 NETHERLANDS RN in EG 1442, tlk, ID, f-g (Hart MALAYSIA 2/9)
- 17590 ISRAEL Kol Israel in Farsi/RS 1530-1640, skeds, fqys, tlks, IS, mid-East mx, IS in RS, nx bloc, recitations, f, //17575 til 1625* (Jordan PA 2/17)
- 17595 BELGIUM BRT in EG 1622-1657*, IS, ID, nx, f, //21810 exc (Tuchscherer WI 2/16)
- 17595 MOROCCO RIM in EG *1600, nx, "Moonriver" instrm bridge, sked, f (Jordan PA 3/1)
- 17605nf USSR R. Moscow in EG 2327, "Outlook", nx brief, "People", //17720 (Park HI 2/25)
- 17630 GABON Africa #1 in FR 1345, instrm mx sels, chatty tlks, ID, f-g (Jordan 2/26)
- 17695 FRANCE RFI in EG *1400-1430*, upbeat mx, nx, "Counterpoint", g (Jordan PA 3/1)
- 17705 NEW ZEALAND RNz in EG 0446, tlk re World Bank (Tuchscherer WI 2/23) in EG 0147, mx from the 50's, TC 0154, f (Johnson TX 2/17)
- 17710 CANADA RCI in EG 1200, nx, xmsn to SE Asia, g (Hart MALAYSIA 2/9)
- 17760nf SAUDI ARABIA BSKSA in SH *0455, IS, NA, ID, Qur'an, nx, ex 17765 (Wood HI 3/13)
- 17785 TURKEY VOT in EG 1342, tlk, ID 1343, TK mx, IS 1355, f (Cichorek NJ 2/12)
- 17785 NORWAY RNI in NO *0655, ID in EG, nx, //15165, 9590, all g (Wood HI 3/7)
- 17795nf NO. KOREA R. Pyongyang in KR 0800, NA, W w/faint tlks, p (Park HI 2/12)
- 17795 AUSTRALIA RA in EG 0230, "Communicator" w/rpt on RAN time stn (Courtney KY 2/12)
- 17815 MOROCCO RIM in FR 1800-1900*, end of EG pgm into mix of EG/FR w/DJ playing rock mx, jingles, ID's, very slick, f (Wallace MA 1/28)
- 17815 HONG KONG BBC relay in EG 0436, interview on effects of TV on art (Tuchscherer)
- 17820 PHILIPPINE IS. VOA relay in EG 2311, nx, //15290, 15320 (Tuchscherer WI 2/13)
- 17880 EAST GERMANY RBI in HD *0700, IS, ID, nx, g (Wood HI 2/27)
- 17885 COLOMBIA R. Nacional Bogota in SP 0403-0457*, choir, arias, classical mx, ads, promos, bell note, full ID, fqys & NA at s/off, f-g (Jordan PA 2/16)
- 17890 SPAIN REE in SP 1801, nx, SP songs, vg (Tuchscherer WI 2/14)
- 17895 SAUDIA ARABIA BSKSA in AR 0915, Holy Qur'an pgm, g, //21495 (Hart MALAYSIA 2/11)
- 21470 CYPRUS BBC relay in EG 1320, "24 Hours", financial nx (Jordan PA 3/1) in EG 1623 w/feature on poaching (Frodge MI 2/26) in EG 1638 w/interview (Tuchscherer 2/7)
- 21520 GABON RFI relay Moyabi in FR 0840, DJ w/ID during chatter, pop mx (Park HI 3/3)
- 21550 FINLAND RF in EG 0915, weather, press review, g (Hart MALAYSIA 2/11)
- 21560nf COSTA RICA R. for Peace Intl in EG 0254, "New Dimensions Radio" (Park HI 3/9) in EG 1824, ID, T-shirt offer (Frodge MI) in EG 2103, "Earthwatch" (Cushing 2/13)
- 21580nf PAKISTAN RP in Urdu *0428, IS, Qur'an recitation, ID, nx, g (Wood HI 3/13)
- 21610 JAPAN RJ in JP *0200-0300*, IS, ID, nx, interview, into EG 0300 (Jordan PA 2/25)
- 21615nf NETHERLANDS RN in EG 1145, "Happy Station" DX pgm, mx sels (Jordan PA 2/19)
- 21690 ITALY RAI in IT 1740, pop mx, ID 1743, African svce, f (Cichorek NJ 2/1)
- 21695 GABON R. Japan via Moyabi in EG *0700, IS, TS, ID, nx, g (Wood HI 2/27)
- 21700 UNITED ARAB EMIRATES R. Dubai in EG 0538, sea conditions, nx, mx, tlk on beauty of Arabia, s/off 0600, vg (Hart MALAYSIA 2/9)
- 21700 GABON R. Japan via Moyabi in FR/JP 1455, ID, into FR nx 1500, g (Wood HI 2/12)
- 21705 NORWAY RNI in EG 1610, "News and Views", features, f (Frodge MI 2/26)
- 21740nf AUSTRALIA RA in EG 0110, nx, "Window on Australia", live coverage of ceremonies marking opening of ABC's 350th xmtr, p (Park HI 2/15, Cushing 2/19)
- 21740nf PAKISTAN RP in EG 1615-1630*, nx, ID and abrupt s/off, f (Treibel WA 3/9)
- 21790nf USSR R. Moscow in EG 0403, world & sports nx, features, f-g (Jordan PA 2/19)
- 21800nf USSR R. Moscow in AR 1630, repeated ID's "Huna Moscow", nx, g (Treibel WA 3/9)
- 21830nf USSR R. Stn. Atlantika in RS *1300-1359*, IS, ID, nx bloc, lite piano sels, reports, interviews, pop & organ mx, R. Rodina s/on 1400 (Jordan PA 2/13)
- 25730 NORWAY RNI in NO *1200-1245*, IS, ID in NO/EG, nx, features, mx (Jordan 2/14)
- 25750 UNITED KINGDOM BBC in EG 1456, sports, pips, TC, ID, "Newsreel" (Sheedy CA 2/3)
- 25850 DENMARK RD in DN *1400-1453*, IS 1355, ID, nx, chorals, interviews (Jordan 2/12)
- 25944nf COSTA RICA R. for Peace Intl in EG 1903, T-shirt offer (Alexander PA 2/26) in EG 2204, interview w/Robt Fuller (Frodge MI 2/26) in EG 1927 w/"New Dimensions" pgm featuring topics on the psychology of learning, vg (Jordan PA 2/26)

 Please check the March FRENEX for a more complete update since several loggings were re-peats of items reported last month and thus were not listed above. Also, a few loggings were submitted on a large sheet of paper rather than individual slips. It greatly facilitates assembling the material for this column if the items are clipped individually. Many thanks to those who sent in their material this month.

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

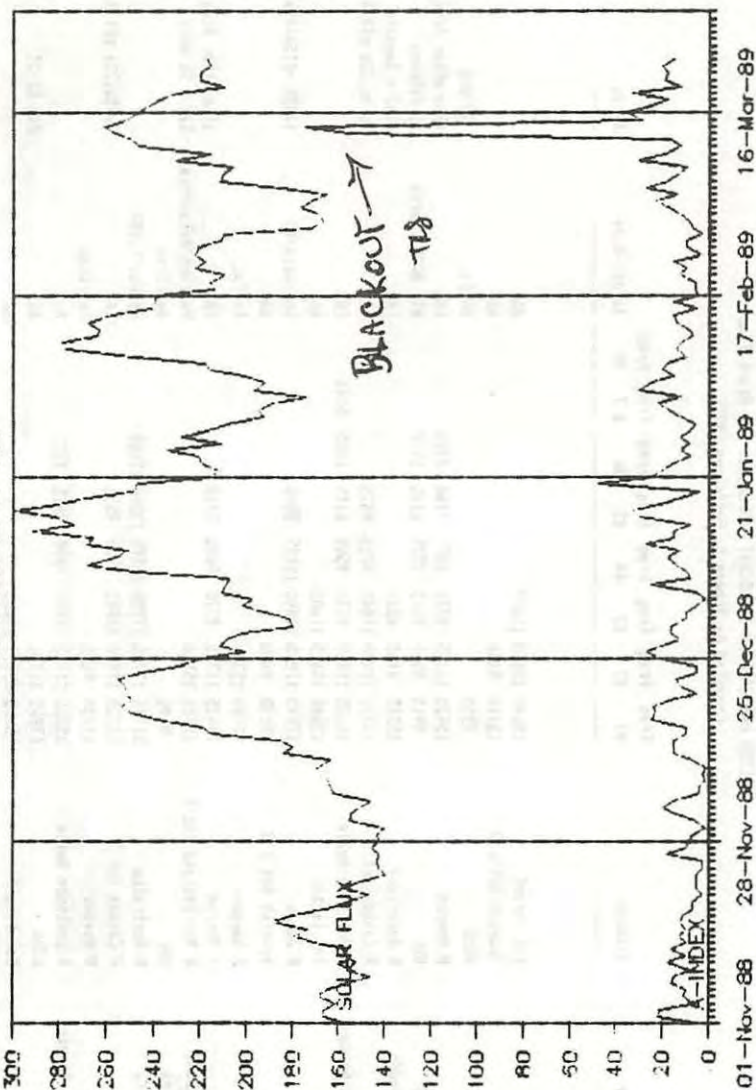
Notes in no particular order: Thanks to R.C. Watts and Paul Garland (via fax) for schedules! R Korea's 2330 transmission on 15575 suffers badly from interference by KUSW just 5 kHz up, on 15580. Your best alternative on the east coast is 14 UT. Surprise: FEBA-11810, Seychelles, was in the clear at 1730 UT Mar 5 and heard other dates too. Austria at 1230 on 15450 just doesn't cut it here; 13730 to the Far East is an far easier signal to listen to. Australia announced testing new 11770 0500-0600 and 0800-0930 to the South Pacific, and changing 15315 to 15320 at 0500-0800 UT. The move of Spain to 15110 at 00-02 has made listening to North Korea on 15115 to NA very difficult. Radio France Int'l is running a new SE As service in English at 14 UT, but I can only find one frequency of 17695. Costa Rica's Radio for Peace's schedule continues to be confusing. Lou Josephs noted 25945 active Sun Mar 12 20 UT onwards, and later that day I noted 25945 signing off 2355 UT with 7375 in parallel. Conditions were so poor that I could not hear any RPI signal after 00 UT on 21560, 13663v or 7375 kHz. Beijing switched the Fr Guinea relay at 04 from 11695 to 11685 kHz. It took a major geomagnetic storm on Mar 13 and virtually total band wipeout for me to finally reconfirm Argentina's schedule; Beijing v Mali (and everything else not due south of here) was GONE! Cuba made wholesale changes to its 00-06 schedule. Iraq noted in English 2045 tune-in before announced 21-23 UT xmsn to Europe on 9770, finally corrected time announcements for Am/As service on Mar 19. There are major changes to Sweden's schedule to NA. R Yerevan on 17m gets buried by R Moscow WS. I haven't caught up with all standard-to summer changes yet...

Bandscanning Radio Moscow World Service frequencies...

1000 (to 12): 21800, 21725, 17655, 17645, 17570, 15560, 15475, 15420, 15320, 15150, 9600 (v Cuba).
 1200: 21800, 21725, 21450, 17810, 17700, 17655, 17645, 17570, 15695, 15560, 15540, 15490, 15475, 15420, 15320, 15225, 15150, 9600 (v Cuba).
 1300: 21725, 21450, 17810, 17645, 17570, 15595, 15560, 15540, 15475, 15420, 15320, 15225, 11840 (v Cuba).
 1400: 21725, 21450, 17810, 17570, 15595, 15560, 15475, 15420, 15225, 11840 (v Cuba).
 1500: 21450, 17810, 15560, 15475, 11840 (v Cuba).
 1600: 17810, 15475, 11840 (v Cuba), 9875.
 1700: 17810, 15550, 15475, 11840 (v Cuba), 9875.
 1800: 15475, 11840 (v Cuba), 9875.
 1900: 15135, 11840 (v Cuba), 9875.
 2000: 15135, 11840 (v Cuba), 9875.
 2100: 17655, 15535, 15135, 11840 (v Cuba), 9875, 7350.
 2200: 17655, 15535, 7440, 7350, 7170.
 2300: WS: 17655, 15535 ENA: 9720, 7440, 7310.
 0000: ENA: 15425, 11735, 9720, 9605, 7440, 7310.
 0100: ENA (to 04): 15425, 11735, 9720, 9605, 7310.
 0300: WS: 17890, 17825, 17655, 17740, 15280, 15200, 15140.
 0400: WS: same as 03 + 7310 WNA: 15455, 15425, 15240, 12050.

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

Data broadcast by WWW



5-day intervals

Changes entered between 02/25/89 and 03/24/89.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstro, W210

Start End Time Time (UTC) (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 0030	Israel	Kol Israel	15640	15615	11605						NA		02/26/89
0000 0100	Spain	Spanish Mat'l R	15110	9630							NA		03/06/89
0000 0300	USA	WRND	7355								NA/CA	20 deg	03/08/89
0000 0100	USSR	R Moscow	15425	11735	9720	9605	7440	7310			ENA	also other freq's	03/11/89
0030 0230	England	BBC	9915	9590	9575	7325	6175	5975			WS; NA/CA/Carib	#2 Bethany	03/13/89
0030 0125	Netherlands	R Nederland	15315	6165	6020						ENA	#1 & 2 v Bonaire	03/17/89
0100 0200	Canada	R Canada Int'l	13720	11940	11845	9755	9535				LA	Su-No:22a eff 7/1	03/22/89
0100 0150	Fed Rep Germany	R Deutsche Welle	15105	11865	9735	9565	6145	6085	6040		ENA		03/07/89
0100 0125	Israel	Kol Israel	15640	15615	11605						NA		02/26/89
0100 0200	Japan	R Japan	17845	17835	17810	15195	5960				GS/Asia/NA	17835 -0130:49a Can	03/21/89
0100 0200	Spain	Spanish Mat'l R	15110	9630							NA		03/06/89
0100 0130	Sweden	R Sweden	17790	15390							As/Pac		03/21/89
0100 0400	USSR	R Moscow	15425	11735	9720	9605	7310				ENA	also other freqs	03/11/89
0145 0330	New Zealand	R New Zealand Int'l	17705	15150							Pac/Aus/Melanesia	Sat & Su only	03/06/89
0200 0300	Argentina	RAE	9690								Americas		03/13/89
0200 0300	Australia	R Australia	21740	17795	17750	15395	15240	15160			As/Pac/PapNE		03/17/89
0200 0300	Canada	R Canada Int'l	13720	11940	11845	9755	9535				LA	Tu-Sat:22a eff 7/1	03/22/89
0200 0400	Cuba	R Havana	11820	9655							Americas		03/18/89
0200 0250	Fed Rep Germany	R Deutsche Welle	15235	11945	11835	9690	9615	7285			As	Eng 02-03	03/07/89
0200 0700	Guam	KSDA	17865	11700							As		03/18/89
0200 0225	Israel	Kol Israel	15615	12077	11605						NA		02/26/89
0200 0256	South Africa	Radio RSA	11730	9615	9585						NA		02/26/89
0200 0400	USA	WHR1	9495	7405							Eu/CA/SA		03/08/89
0200 0400	USA	WSHB	13760	9455							CA/Canada	188/315 deg	03/08/89

0230	0330	England	BBC	9915	7325	6175	5975	WS: NA/CA/Carib	#144 Antigua	03/13/89
0230	0430	Iraq	R Baghdad	11880	9515			Ind/Pakis/WA/SA	still ann 01-03	03/18/89
0300	0330	Austria	R Canada Int'l	11730				NE	Sa/Su-04iv Austria	03/22/89
0300	0350	Fed Rep Germany	R Deutsche Welle	15205	11810	9605	9545	NA		03/07/89
0300	0330	Japan	R Japan	21610	17935	17825	17810	60S/Asia/NA	31a Gab:15325 Fr Gui	03/21/89
0300	0330	Sweden	R Sweden	11705	9695			NA		03/21/89
0300	0600	USA	WRNO	6185				NA/CA	20 deg	03/08/89
0300	0500	USSR	R Moscow	17890	17825	17765	17740	World Service	7310 04-05	03/24/89
0310	0327	Switzerland	Int'l Red Cross	12035	9885	9725	6135	NA/CA	Tu&Fr after last Su	03/18/89
0330	0430	England	BBC	9915	6175	5975		WS: NA/CA/Carib		03/13/89
0330	0400	Japan	R Japan	17835	17810	17765	15325	60S/Asia/NA	15325 Fr Guinea	03/21/89
0330	0425	Netherlands	R Nederland	9590	6165			WNA	v Bonaire	03/17/89
0340	0348	Greece	V of Greece	9420	9395	7430		NA	News/Eng exc Su	03/24/89
0350	0400	USSR	R Yerevan	17655	15445	15240		WNA	news in English	03/24/89
0400	0500	Argentina	RAE	9690				Americas		03/13/89
0400	0430	Austria	R Canada Int'l	15275				NE	M-Fiv Austria	03/22/89
0400	0500	China	R Beijing	11980	11685	9675		WNA	25a v French Guinea	03/11/89
0400	0600	Cuba	R Havana	11820	11760	9655	5965	Americas		03/18/89
0400	0415	South Africa	Radio RSA	11900	9580	7295		Afr/NE		02/26/89
0400	0450	Turkey	V of Turkey	17760	9445			SE As/NA		03/11/89
0400	0600	USA	WCSN	9870				S Afr	105 deg	03/08/89
0400	0600	USA	WHR1	9495	7405			Eu/CA/SA		03/08/89
0400	0600	USA	WSHB	13760	9455			CR/Canada	245/315 deg	03/08/89
0400	0800	USSR	R Moscow	15455	15425	15240	12050	WNA	add'l freqs in use	03/24/89
0430	0530	England	BBC	9510	5975			WS: NA/CA/Carib	#1 Bethany	03/13/89
0430	0455	Netherlands	R Nederland	13700	9895			NE/E Afr		03/02/89
0432	0530	Seychelles	FEBA	17820	15325			SE As	M & Sa	03/11/89
0500	0600	Australia	R Australia	21740	17795	17750	17715	As/Pac/Pap/WG		03/05/89
0500	0550	Fed Rep Germany	R Deutsche Welle	11810	11705	9700	9670	E Afr/WNA		03/07/89
0500	0515	Israel	Kol Israel	17630	15640	12077	11585	Aus/As/NA/Eu		02/26/89
0500	0600	Japan	R Japan	17825	17810	17765	15270	60S/As/NA/Oceania		03/21/89
0500	0600	Spain	Spanish Nat'l R	15110				NA		03/06/89
0515	0530	Canada	R Canada Int'l	15225	11775	9750	7295	M Eu/Afr/NE	#1,4,6 v UK	03/22/89
0530	0600	England	BBC	5975				WS: NA/CA/Carib		03/13/89
0545	0600	Canada	R Canada Int'l	15225	11775	9750	7295	M Eu/Afr/NE	#1,4,6 v UK	03/22/89

0600	0630	Australia	R Australia	21740	17750	17715	15395	15320	15240	15160	11945	As/Pac/PapNB/Afr	03/05/89
0600	0730	England	BBC	9640	5975							WS: MA/CA/Carib	03/13/89
0600	0800	USA	MCSN	9870								Eu	03/08/89
0600	0800	USA	WHRI	9620	9495							Eu/CA/SA	03/08/89
0600	0800	USA	MSHB	11980	9455							CA/Canada	03/08/89
0630	0700	Australia	R Australia	17750	17715	15395	15320	15240	15160	11945		As/Pac/PapNB/Afr	03/17/89
0630	1415	Jordan	R Jordan	13655									03/13/89
0700	0730	Australia	R Australia	17750	17715	15395	15320	15240	15160	9655		As/Pac/PapNB	03/17/89
0700	0725	Belgium	BRT	21815	11695							SE As/Aus	03/11/89
0700	0900	Guam	KSDA	17855	11700							AS	03/08/89
0700	0800	Japan	R Japan	21695	17810	17765	15270	15235				GOS/As/Am/Oc/Ew/NE	03/21/89
0727	0835	Seychelles	FERA	17780	15275							SE AS	03/11/89
0730	0800	Australia	R Australia	17750	17715	15395	15320	15160	9655			As/Pac/PapNB	03/17/89
0740	0757	Switzerland	Int'l Red Cross	21695	17670	13685	9560					Australasia	03/18/89
0800	0830	Australia	R Australia	17750	17715	15395	11770	9655	9580			As/Pac/PapNB	03/05/89
0800	0830	Bangladesh	R Bangladesh	17710	15195							Eu	03/04/89
0800	0900	USA	KWLS	11715								AS	03/23/89
0800	1000	USA	MSHB	9455								SA	03/08/89
0830	0900	Australia	R Australia	17750	17715	15395	11770	11720	9655	5980		As/Pac/PapNB	03/05/89
0900	0915	Australia	R Australia	17715	15415	11770	11720	9760	9655	9580		As/Pac/PapNB	03/05/89
0900	0925	Belgium	BRT	26050	21810	17595	9925					Afr/Eu	03/11/89
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21650	21600	17785	17780	11945	11785	9650	Aus/As/SECIE Afr	03/07/89
0900	1000	Guam	KSDA	11980	11700							AS	03/08/89
0900	1000	Japan	R Japan	17810								GOS/As/Oc	03/21/89
0915	0930	Australia	R Australia	15415	11770	11720	9760	9655	9580			As/Pac/PapNB	03/05/89
0930	0940	Canada	R Canada Int'l	9755	5960							Carib	03/22/89
1000	1200	USA	MSHB	9495	9455							CA/SA/NE Canada	03/08/89
1000	1200	USSR	R Moscow	21800	17655	17570	15560	15420	15150	9600		World Service	03/12/89
1030	1025	Netherlands	R Nederland	9675	6020							Aus/Carib	03/02/89
1040	1157	Switzerland	Int'l Red Cross	21550	17830	15570	13635					Far East	03/18/89
1100	1330	England	BBC	11775	9515	6195						WS: MA/CA/Carib	03/13/89
1100	1130	Israel	Kol Israel	21760	17575	15650	11585					# Eu/Aus/As	02/26/89
1100	1200	Japan	R Japan	11840	11815	6120						GOS/Asia/NA	03/21/89
1100	1156	South Africa	Radio RSA	21550	21535	11900						Afr/NE/UK/Ireland	02/26/89

1530	1555	Belgium	BRT	21810	17650	17595	Afr	03/11/89	M-Sa
1530	1600	Sweden	R Sweden	21610	17880	17705	NA/As/Pac	03/21/89	
1600	1650	Fed Rep Germany	R Deutsche Welle	21680	17825	15595 15105 7225 6170	Aus/As	03/07/89	
1600	1700	USA	KWLS	12025			As	03/23/89	
1600	1700	USSR	R Moscow	17810	15475	11840 9875	World Service	11840 v Cuba	
1610	1625	Seychelles	FEBA	15325			SE As	03/11/89	M-Sa
1615	1630	Canada	R Canada Int'l	21545	17820	15325 15305 11935	C&E Eu	03/22/89	\$365 v Eu relays
1630	1725	Netherlands	R Nederland	15570	6020		S&E Afr	03/02/89	
1700	1730	Japan	R Japan	11815	9695	9535 9505	GOS/As/Aa	03/21/89	
1700	1730	Switzerland	Int'l Red Cross	7210			Eu	03/18/89	Mo after last Su/mo
1700	2100	USA	WRND	15420			NA/CA/Eu	03/08/89	20 deg
1700	1800	USSR	R Moscow	17810	15550	15475 11840 9875	World Service	03/11/89	11840 v Cuba
1710	1727	Switzerland	Int'l Red Cross	17830	15525	15430 11955 9885	Africa	03/18/89	Mo/Th after last Su
1730	1830	Argentina	RAE	15345			Eu/Afr	03/13/89	
1730	1755	Belgium	BRT	11695	5910		Eu	03/11/89	
1730	1800	Romania	R Bucharest	17745	17720	15365 15340	Afr	03/22/89	
1731	1804	Seychelles	FEBA	11810			SE As	03/11/89	F&Sa -1824
1800	1830	Canada	R Canada Int'l	17820	15260	13680	Afr	03/22/89	Sa&Su -1900;22m 7/1
1800	1815	Israel	Kol Israel	11585	11655		Eu	02/26/89	
1800	2200	N Mariana Is	KY01	9455			Japan	03/08/89	340 deg
1800	1856	South Africa	Radio RSA	21535	17795		UK/Ireland	02/26/89	
1800	1830	Sweden	R Sweden	9615	6065		Eu/Af	03/21/89	
1800	1900	USA	KWLS	11650			As	03/23/89	
1800	1900	USSR	R Moscow	15475	11840	9875	World Service	03/11/89	11840 v Cuba
1815	1900	Bangladesh	R Bangladesh	11510	7520		Eu/NE	03/13/89	
1830	1900	Canada	R Canada Int'l	21675	17875	15325 9555 7235	W Eu	03/22/89	M-F i 0465 v UK
1830	1925	Netherlands	R Nederland	21685	17605	15175	Afr	03/02/89	13417a Bon, 19a Madg
1900	1930	Canada	R Canada Int'l	17820	15260	13680	Afr	03/22/89	M-F:22m eff 7/1
1900	1950	Fed Rep Germany	R Deutsche Welle	21600	17810	15390 13790 11785	W Afr	03/07/89	
1900	1930	Portugal	R Portugal	15250	11820	11740	Afr/Eu	03/17/89	Mon-Fri
1900	1956	South Africa	Radio RSA	21590	17795	7295	Afr/NE	02/26/89	
1900	2000	Spain	Spanish Nat'l R	15395	15375	15280 11790	Afr/NE/Eu	03/06/89	
1900	2100	USSR	R Moscow	15135	11840	9875	World Service	03/21/89	11840 v Cuba
1930	2000	Bulgaria	R Sofia	11720	9700		W Eu	03/22/89	
2000	2400	Costa Rica	R for Peace	25945				03/12/89	

2000	2200	England	9975	US: WA/CA/Carib	v Antigua	03/17/89
2000	2100	Gua	15199 9495	As		03/08/89
2000	2050	Israel	15640 15095 12017	W Eu/NA/AF		02/24/89
2000	2200	USA	15799	Eu	60 deg	03/08/89
2000	2200	USA	21640 17353	CA/Canada	315/137 deg	03/08/89
2000	2100	USSR	9685 9450 7350 7240	UK/Ireland		03/11/89
2100	2130	Australia	21740 17795 15320 15240 15160 9620	As/Pac/Pap/MS		03/17/89
2100	2125	Belgium	5910	Eu		03/11/89
2100	2100	Canada	17875 15325	As/Eu		03/22/89
2100	2159	Fed Rep Germany	15435 11785 9745 9670	As/Eu		03/07/89
2100	2200	Gua	15225 15190	E. of/Indon		03/08/89
2100	2130	Japan	17890 17810 15270 15230 11845 11815	6S/NA/OC/Eu	11845 v Babon	03/21/89
2100	2200	Spain	15280 11790	Eu		03/04/89
2100	2130	Sweden	11705 9435	Eu/AF		03/21/89
2100	2400	USA	17820 13760	Eu/CA/SA		03/08/89
2100	0000	USA	13720	NA/CA/Eu	20 deg	03/08/89
2100	2200	USSR	17655 15335 15135 11840 9075 7150	World Service	11840 v Cuba	03/21/89
2130	2200	Australia	21740 17795 15320 15240 15160	As/Pac/Pap/MS		03/17/89
2130	2200	Bulgaria	11735 11720 9700	Eu/NA		03/20/89
2130	2200	Canada	17820 15150 11860	AF		03/22/89
2200	2100	Argentina	9690	Eu/AF	WFSaSu	03/13/89
2200	2210	Canada	11905 9755 5940	USA		03/22/89
2200	2100	England	9915 7325 6175 5975	MS: NA/CA/Carib	84 Antigua	03/13/89
2200	0200	Gua	15225 15125	As/SE As	Eng 23-91	03/18/89

Page No. 5
03/24/89

Changes referred between 02/25/89 and 03/24/89.
ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, #210

Start Time	Time	Station	Freq	Freq	Freq	Freq	Freq	Freq	Target Area	Notes	Record Last Updated
(UTC)	(UTC)		81	82	83	84	85	86	87	88	
2200	2230	Japan	15440	11705							03/22/89
2200	2230	Switzerland	3985								03/22/89
2200	2400	USA	15200								03/08/89
2200	0000	USA	17355	15205							03/08/89
2200	2100	USSR	17655	15335	7440	7350	7170				03/21/89
2200	2230	USSR	7340	7140	6145	4060					03/12/89
2230	2130	Israel	15735	15640	12077						02/26/89
2230	2330	Canada	11730	9735							03/22/89
2300	0030	England	9915	9590	7325	6175	5975				03/13/89
2300	2350	Turkey	17760	9685	9645	9445					03/11/89
2300	0000	USSR	17655	15335	9720	7440	7310				03/11/89
2330	2355	Belgium	9925								03/11/89
2330	0030	Canada	9755	5940							03/22/89

Changes entered between 02/25/89 and 03/24/89.

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

Shortwave DX Program	Show Start Time	Xasn Start Time	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5
** DAY OF THE WEEK: Sunday									
SWL Digest	0005	2330	Canada	R Canada Int'l	9755	5960			
SWL Digest	0130	0100	Canada	R Canada Int'l	13720	11940	11845	9755	9535
Amateur Radio Spectr	0240	0200	South Africa	Radio RSA	11730	9615	9585		
SW Feedback	0835	0800	South Korea	R Korea	13670	7550			
SW Feedback	1135	1100	South Korea	R Korea	15575				
World of Radio	2030	1700	USA	WRNO	15420				
SWL Digest	2305	2300	Canada	R Canada Int'l	11730	9755			
** DAY OF THE WEEK: Monday									
Radio World	0705	0700	Belgium	BRT	21815	11695			
Radio World	0905	0900	Belgium	BRT	26050	21810	17595	9925	
Radio World	1235	1230	Belgium	BRT	21815	17560			
** DAY OF THE WEEK: Tuesday									
Sweden Calling DXers	0205	0200	USA	WHRI	9495	7405			
SW Merry-Go-Round	0220	0200	USA	WHRI	9495	7405			
SWL Digest	1230	1200	Canada	R Canada Int'l	17820	11855	9635		
SWL Digest	1905	1900	Canada	R Canada Int'l	17820	15260	13680		
** DAY OF THE WEEK: Wednesday									
Sweden Calling DXers	0110	0100	Sweden	R Sweden	17790	15390			
SWL Digest	0305	0300	Austria	R Canada Int'l	11730				
Sweden Calling DXers	0310	0300	Sweden	R Sweden	11705	9695			
** DAY OF THE WEEK: Thursday									
World of Radio	1530	1500	USA	WRNO	11965				
World of Radio	2300	2100	USA	WRNO	13720				
** DAY OF THE WEEK: Friday									
Media Network	0050	0030	Netherlands	R Nederland	15315	6165	6020		
Media Network	0350	0330	Netherlands	R Nederland	9590	6165			
** DAY OF THE WEEK: Saturday									
World of Radio	0300	0300	USA	WRNO	6185				
SWL Digest	0330	0300	Austria	R Canada Int'l	11730				
Radio World	1240	1230	Belgium	BRT	21815	17560			
Radio World	1540	1530	Belgium	BRT	21810	17650	17595		
Radio World	1740	1730	Belgium	BRT	11695	5910			
SWL Digest	2105	2100	Canada	R Canada Int'l	17875	15325			
Radio World	2110	2100	Belgium	BRT	5910				
SWL Digest	2135	2130	Canada	R Canada Int'l	17820	15150	11880		
World of Radio	2330	2100	USA	WRNO	13720				
Radio World	2340	2330	Belgium	BRT	9925				

THE 1989 PIRATE RADIO DIRECTORY

by

George Zeller

The 1989 Pirate Radio Directory is the first book in the past several years to deal with pirate radio station activity in the United States and Canada.

1988 saw a significant increase in the level of pirate broadcasting activity - coupled with a correspondingly heightened interest by listeners in tuning for these stations.

The book highlights over 50 pirate shortwave broadcasters which were active in 1988. Information given on each station includes frequencies, programming formats and other identifying "marks" (such as announcer names), QSL and address information and so on.

The book also includes an introductory chapter on pirate radio, a section on how to tune in pirate broadcasters and a review of European pirates which were heard in North America last year. There are also a number of illustrations featuring pirate station QSLs.

Author George Zeller (besides being a baseball expert) is a well known specialist in covering pirate and clandestine radio. He writes the "Clandestine Profile" column monthly in Free Air, published by the Association of Clandestine Enthusiasts.

This 8½x11 paperback is approximately 55 pages in length and priced at \$6 per copy (plus \$1 shipping - \$2 foreign orders) U.S. funds only. The book will be available around February 1 from:

TIARE PUBLICATIONS
P.O. Box 493
Lake Geneva WI 53147
USA

Note: Quantity discounts available. Call (414) 248-4845.

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 **FRENEX** 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 **FRENEX**, 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 FRENEX 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. Moyer, 178 Bartlett Ave., Cranston, RI 02905
EASY LISTENING — Alex Bateman, 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
QSL 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 — Mike Harris, P.O. Box 294, Pickerington, OH 43147
LOG REPORT B — Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220
LOG REPORT C — Jerry Ervine, 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