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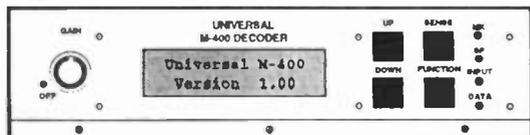
May, 1993



# The Ultimate Accessory for Every Shortwave & Scanner Enthusiast



## UNIVERSAL M-400



Many early teletype listeners started their monitoring hobby with code readers. However, readers have fallen out of favor in recent years because of their limited performance, limited mode coverage and lack of features. The M-400 reverses this trend, providing a high quality demodulator, extensive mode coverage, state-of-the-art display and parallel printer port. The Universal M-400 incorporates capability never seen in a reader before. It is the ultimate affordable accessory for the SWL and the scanner enthusiast.

The M-400 provides all the benefits of a reader, without the limitations. The M-400 is totally self contained, there is nothing else to buy. It is compact and operates from 12 VDC making it a natural for auto or boat installations. The two line liquid crystal display provides a (40) forty characters readout (not just 8 or 16 like other readers). This super-twist LCD can be read from any angle, and the front of the M-400 is sloped to provide the optimum in viewing and operating convenience. LED indicators for *Mark, Space, Input and Data* are provided. A gray, all-metal cabinet provides a solid look of quality. For the shortwave listener, the M-400 provides all the standard reception modes ... and then some.

### • SHORTWAVE MODES

- **Baudot**, the original RTTY mode, can be copied in all five speeds (45, 50, 57, 75 and 100 baud). Baudot is used by some press agencies and weather stations.
- **SITOR A and B** are extremely popular teletype modes on shortwave. SITOR is used for communications between ships and coastal stations.
- **FEC-A** is a new press-diplomatic mode gaining wide acceptance primarily in Europe. Extensive FEC-A traffic can be monitored in North America during the day.
- **ASCII at 75, 110 and 150 baud.**
- **SWED-ARGO** This Swedish diplomatic mode can be copied in the U.S.A. during the day.
- **FAX** - That's right, with a graphics compatible parallel printer attached, you can copy FAX from shortwave. You can print weather maps and charts from around the world. The printer is optional. (FAX decoding is at 120 LPM, 576 IOC).

### • VHF-UHF MODES will be enjoyed by the scanner enthusiast.

- **ACARS** Stands for *Aircraft Communications Addressing and Reporting System*. This new aviation teletype mode is in wide use at most major airports. Extensive traffic can be copied from both nearby commercial airports and aircraft. The M-400 is the first unit to offer this capability.
- **GOLAY** digital pager mode.
- **POCSAG** digital pager mode.
- **DTMF** decoding of all 16 DTMF digits.
- **CTCSS (PL)** frequency decoding is also available. Read all 41 standard tones.
- **DCS (Digital Coded Squelch)**, also referred to as *Digital Private Line* all 104 standard codes.

The M-400 has several functions that you can program. With the use of an optional speaker, the M-400 can be programmed to pass only the audio you want to hear! You can set the M-400 to only activate the speaker when it receives a CTCSS, DCS or DTMF code of your choosing. The M-400 comes with an *Instructive Owner's Manual* and a wall adapter that provides 12 VDC. One year limited warranty. Manufactured in the U.S.A. by Digital Electronic Systems. The M-400 is the affordable accessory for every shortwave or scanner enthusiast. Available now for only \$399.95 (+\$6). Order #0400.

### RECEPTION MODES

- **RTTY Baudot**  
45, 50, 57, 75 and 100 baud.
- **SITOR A**  
ARQTOR, Amlor A
- **SITOR B**  
FECTOR, Amlor B, NAVTEX
- **ASCII**  
75, 110 and 150 baud.
- **SWED-ARGO**  
3, 9 or 22 character groups.
- **FEC-A**  
96, 144 and 180 baud.
- **Facsimile (FAX)**  
120 LPM 576 IOC
- **POCSAG**  
Digital pager mode.
- **GOLAY**  
Digital pager mode.
- **ACARS**  
VHF Aviation teletype mode.
- **DTMF**  
16 digits
- **CTCSS (PL)**  
41 standard frequencies
- **DCS (DPL)**  
104 standard codes

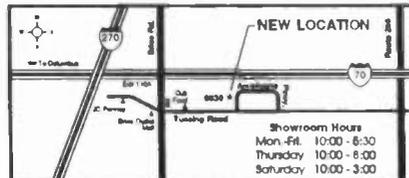
### SPECIFICATIONS

Dimensions .....	8.75"W x 2.5"H x 8"D
Weight .....	2 Lbs. (5 Lbs. ship with PS)
Display .....	LCD two line 40 char. total
Filter Tones .....	Low tone (mark = 1275 Hz)
	Fixed: 170, 425 and 850 Hz
	Variable: 100 - 1000 Hz
Power .....	11-16 VDC @ 200 ma
	AC wall adapter included.
Speaker Input .....	4-16 Ohms 100 MW max
	Mono mini jack (1/8")
Discriminator Input .....	10K Ohms .25V max
	Mono mini jack (1/8")
Speaker Output .....	Mono mini jack (1/8")
Printer Output .....	Parallel ASCII 8 bit Cent.

### ★ HUGE FREE CATALOG ★

Universal offers a new communications catalog covering shortwave, amateur and scanner equipment. There are also antennas, books, parts and accessories. This informative 100 page reference covers everything for the radio enthusiast. With prices, photos and full descriptions.

Available FREE by fourth class mail or \$1.00 by first class mail.



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# NASWA Notes

Bob Brown KW3F  
238 Cricklewood Circle  
Lansdale, PA 19446  
CompuServe 74756,1557  
GEnie R.BROWN106  
Packet KW3F @ WB3JOE



I'd like to extend a big THANK YOU to the seven members who replied to my "Help Wanted" ad in the April *Journal*. After evaluating the situation, I'm pleased to announce that Hans Johnson will be taking over Listeners Notebook starting with the July *Journal*. Besides being a heck of a good guy, Hans is a very experienced, skilled, and dedicated DXer who is anxious to take over the duties of this non-trivial column. He has also been known to consume mass quantities of Oreo cookies on DXpeditions. Regular contributors for Listener's Notebook should take note of Hans' address - 7529 Red Cravat Court, Columbia, MD 21046.

So that I can help Hans with the desktop publishing side of Listeners Notebook, Ralph Brandi will be pasting up the columns that I am now doing. Many of you know Ralph from his contributions on the SW Echo,

Compuserve, and other data highways. Ralph has done desktop publishing professionally and lives within driving distance of Bill Oliver, which is very helpful in the whole scheme of *Journal* creation.

Thanks Hans and Ralph and welcome to the staff!

## The NEW Shortwave Radioguide

Yes, we have it, and it's better than ever! NASWA member John Figliozzi has just produced the 5th edition of his popular guide to programs on shortwave and we are pleased to offer this book to NASWA members. Please check the ad in this month's DXers Forum for a description and ordering information for the guide. Those members that previously ordered and received a refund are urged to reorder.

## Welcome to the following new NASWA members -

Marion Austin, Intercession City, FL  
Larry Blisard, Brookhaven, PA  
Douglas M. Bonnes, Sioux City, IA  
John S. Brown, Altus, OK  
Anthony A. Brugnoli, Trenton, NJ  
John K. Bycura, Pittsburgh, PA  
Perry Couloufacos, Flushing, NY  
Douglas D. Dickey, Ft. Meyers, FL  
Michael H. Gengler, Cromwell, CT  
Michael Goetsch, Pittsburgh, PA  
Joseph Grebowski, Kensington, MD  
David B. Harvey, Greensboro, NC  
Wayne Hooper, Newport News, VA  
Aaron Kaluszka, Pilot, VA  
William Madson, Jonesboro, ME  
William V. Malcom Jr., Arcadia, CA  
Lawrence M. Markman, Wilmington, DE  
Dale Marks, Burnett, WI  
David G. Mays, Arlington, TX

Nancy I. McGregor, Nocona, TX  
Matt McMullin, Mahone Bay, Nova Scotia  
Bill Migley, Lancaster, OH  
Arleen Myers, Norfolk, VA  
Ara C. Nisanian, Miami, FL  
Mrs. Harvey Poole, Livonia, MI  
Terry Provance, Zanesville, OH  
Tom Robertson, New Albany, MS  
Daniel C. Rydholm, Westbrook, CT  
John Schaefer, Montgomery, MN  
Rick Schwartz, Dayton, OH  
Robert Seufert, South Amboy, NJ  
John E. Snyder, Mercerville, NJ  
Ann Strother, Searcy, AR  
David W. Sullivan, APO, AP  
Donald M. Todd, Medina, OH  
Michael Turner, Bel Air, MD  
George Vaiciunas, Chicago, IL  
Joe Yadsko, Freeland, PA

Our Motto is - "Unity and Friendship"

## Popular Communications Worldwide Shortwave Listeners Conference

I received this letter from Harold A. Ort N2RLL

"In conjunction with the Virginia Beach Hamfest October 2-3, 1993, our first Popular Communications Worldwide Shortwave Listeners Conference will be held at the VA Beach Pavilion. There will be dozens of equipment manufacturer and dealer exhibits, but this year will also be very different.

"Each year the VA Beach Hamfest/Computer Fair attracts more than 5,000 visitors who already know that the hotel and exhibit center is minutes from a beautiful beach and nearby Naval Base.

"Besides the standard amateur radio products

and demonstrations, our Conference will bring together under one roof those folks who are regular listeners to the international radio spectrum; the listeners will be treated to expert shortwave speakers, SW product demonstrations, raffles, and much more!

"I'm the editor of the semi-annual Popular Communications Guides that cover virtually every aspect of shortwave communications. Working with the VA Beach Hamfest committee, we've invited several speakers and plan on having a group of major world radio broadcasters speak to the audience.

"Coming up at our SWL Conference will be:

Noted shortwave authority George Jacobs talk about the "Future of SW Broadcasting"

### Calendar Of Events

- May 5** - Special Meeting, Boston Area NASWA Chapter, Old Location GTE Labs, Waltham, Mass. This will be a special meeting with Rich McVicar of HCJB. 7:30 PM For additional information please contact Paul Graveline (508) 470-1971, or via modem on Tom's BBS, (617) 698-8649 (300/1200/2400 baud), (617) 698-8734 (9600).
- May 15** - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- May 18** - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. For info send SASE to: NE Ohio SWLs, c/o Donald J. Weber, P.O. Box 652, Westlake, OH 44145-0652
- May 21** - Meeting, Boston Area NASWA Chapter, New Location Bull Cafeteria, Billerica, Mass. 7:30 PM For additional information please contact Paul Graveline (508) 470-1971, or via modem on Tom's BBS, (617) 698-8649 (300/1200/2400 baud), (617) 698-8734 (9600).
- May 21** - Meeting, Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- May 21-23** The Fourth Annual Conrad Family Reunion (SWL/DXer gathering) will be held at the Holiday Inn at 529 Park Plaza Drive in La Crosse, WI 54601. Reservations can be made at (608)784-9500. Room rates were quoted as \$69/night for 2 adults and 2 double beds. More info, if wanted, can be had by calling Jim Conrad around 16-1800 GMT and 02-05 GMT at (319)232-7307. Bring comfortable clothes, this is strictly informal.
- Jun 6** - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. Location is the Steak & Ale Restaurant, 5764 Virginia Beach Blvd. (corner of Va. Beach Blvd. and Military Hwy.), Virginia Beach, VA. For info, call Joe Buch, (804) 721-2782.
- Oct 2-3** - Popular Communication Worldwide Shortwave Listeners Conference, VA Beach Pavilion, Virginia Beach, VA. Info: Harold Ort, Popular Communications, 76 Broadway, Hicksville, NY 11801
- Oct 15-17** 1993 Monitoring Times Convention, Atlanta Airport Hilton, Atlanta, GA. Info: Monitoring Times, 140 Dog Branch Rd., Box 98, Brasstown, NC 28902 (704)837-9200

**Members are invited to submit items to be included in this calendar to Bob Brown.**

Expert shortwave speaker, Dr. Harold Cones speaking on "SWLing - What You Need To Know"

Author Don Dickerson's topic is "Worldwide NASA and Satellite Communications"...

Columnist Gerry Dexter will talk about "How to QSL What You Hear"

Noted RTTY expert Fred Osterman will talk about "RTTY and Digital Communications"

Broadcaster and noted author, Pat Murphy will discuss "Pirate Radio"

Dick Robinson will tell folks all about "Buying a Receiver - What You Need To Know"

AND MORE---

"Our Keynote speaker is former NBC News Correspondent, Roy Neal, K6DUE who will tell SWLs about SAREX (Shuttle Amateur Radio Experiment) and "Tuning Shuttle Comms."

"We've also scheduled a tour of nearby Norfolk Naval Base that will include a visit to a Navy

### ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F and Dave Kirby N8JQX host an always lively gang of DX monitors. (Best heard in the eastern half of NA)

ship and Naval Base waterfront! With all the equipment manufacturers and dealers on hand - all for only a \$25 admission charge - it's an SWL event for everyone.

"Listeners with specific questions about the conference can write to me at Popular Communications, 76 North Broadway, Hicksville, New York 11801 USA."

Till next month - 73

## Musings

*This column provides a forum whereas members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months), or use next month's theme as a basis for your discussion. Next month's theme is - Unique And/Or Different Items I've Received From Shortwave Broadcasters. The monthly theme is only used as a suggestion for discussion. Any other items of interest to members may be also submitted. Because I edit this column, I'll jump in with responses where appropriate.*

**Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610**

Hi Gang. Since Bob is looking for Musings, I thought I would share some thoughts about the recent East - West Pennsylvania and Central Maryland NASWA Chapter DXpedition to Gifford Pinchot State Park in mid December. Our Chapter is a small but enthusiast group that specializes in DXpeditions and partying (not necessarily in that order). We formed our little band of travelling radio listeners in October, 1991. Our goal is to organize at least three DXpeditions a season. Never shying away from difficult goals, we have managed to succeed despite some difficult circumstances. This muse will focus on the less publicized side of DXpeditions - the weather.

Listening at home is usually never a problem. Oh, a thunder storm during the summer may cause a set back or two but generally speaking how many problems can you have? Life out in the "field" is different. Especially if you have to travel to get to the "field". Our Chapter's fifth DXpedition to Gifford Pinchot State Park in December gave us a few memorable weather-related experiences to consider in future planning.

The first problem we encountered was the unmovable work schedule of Bob "Big Signal" Brown. Apparently his employer doesn't realize how important Big Signal is in the DX

community. A Saturday work schedule made his attendance at the DXpedition impossible. One down - five to go. The days leading up to our 11-13 December adventure were very strange, weatherwise. In Reading, we received about two inches of snow on Thursday (10 December). The park received about four inches of snow. However, mild temperatures and steady rain turned a winter paradise into mud. Although high winds were knocking down trees and power lines, travelling to the park didn't seem to be a problem. However, that was from Reading. On Friday morning I received a phone call from Dave Valko. It seems little old Dunlo had 29 inches of snow on the ground and more was landing as we spoke! Looks like the weather was going to make this a difficult DXpedition. Dave was stranded in Dunlo (an awful fate, hi!). Two down - four to go. However, if the plow would only come down his street, Dave had an escape route all mapped out. Unfortunately, the weather proved too much of an obstacle to Larry Yamron. FT's publisher was trying to get his kid's snowman to lick some envelopes for mailing that week. Apparently the excessive snow claimed another DXpedition victim. Three down - three to go.

All was not lost. Since the power was knocked out for many hours in Dunlo, Dave had an opportunity to DX from a battery powered rig without local electrical noise. Stuck in his home with no heat, hot water or electricity, Dave sat back and enjoyed listening to the steamy tropics on his shortwave radio. This hobby does provide an interesting escape from time to time.

Amazingly, I was the first to arrive at Gifford Pinchot. Shortly after I opened up the cabin, Hans Johnson arrived. I filled him in on the situation in western PA. After agreeing we would never move to that end of Pennsylvania, we began to unload our gear. It was now time to string some antennas. Normally, this is one of the fun aspects of a DXpedition. Due to the steady rain and high winds, the prospects of advanced antenna design just didn't seem to be too exciting. Nimble Hans quickly strung two antennas before I could offer assistance (not that I would have been any help). In keeping with tradition, the river now running behind our favorite cabin was named after its discoverer, Hans Johnson. The River Johnson (almost sounds biblical!) was brand new thanks to the heavy rains. Explorer Johnson crossed that raging body of water to string two antennas. What a guy!

Shortly thereafter, Fred Kolhbrenner arrived. It is not uncommon for DXers to slightly exaggerate when telling a story. Fred received an earful (or perhaps a bucket full) of news. It looked like our party of six would be only three on Friday night. After briefly mourning the situation, it was time to unpack Fred's gear. It's amazing that Fred can squeeze his radio into his car with all the groceries he brings to these affairs. No supermarket is left untouched as he approaches Gifford Pinchot!

Yes, we did tune the radios that night. Conditions were a little noisy due to the stormy conditions. We managed to hear some good stuff that night and the following morning. But we hoped for better on Saturday evening and Sunday morning.

Early Saturday afternoon Dave Valko arrived. When the snow finally stopped, he measured 36 inches of white stuff. After the plow cleared his street, Dave hit the road. What a trooper! Some people will go to any extreme to get out of town. It was good seeing Dave. We were now four.

After that, things were quite normal. The weather cleared up. The high winds diminished. Listening conditions improved. The log report contains most of the good stuff we heard. However, the most unusual log was that of an Italian station, Radio Europe. We heard a tip on Glenn Hauser's WORLD OF RADIO, that this private Italian station would be broadcasting between 1300-1800 UTC on 25,900 Khz. Here we were at this wonderful DX site with long wires strung in all directions waiting for the test broadcast. Nothing! Nothing on my set or Hans' set. However, Fred was using a Datong active antenna attached to a curtain rod.

You will not find a write up in PROCEEDINGS about this arrangement but it was good enough to pull in a reasonable signal from Radio Europe's test. So much for fancy antennas. I know John Bryant and Dave Clark could explain the reasons for this to happen but who would believe them, hi!

I had to leave on Sunday. While Fred crashed, Dave, Hans and I went out to Bob Evans for the traditional Sunday morning breakfast. Dave, Hans and Fred stayed one more night as I headed back to Wyomissing. If I can believe their stories, conditions got even better after I left. Just like fisherman that talk about the one that got away, DXers have a tendency to "extend" the truth. You just can't trust DXers. They have a difficult time separating fact from fiction. Incidentally, Hans fell off the Oreo Wagon. After our first DXpedition in October 1991, Explorer Johnson swore off the tasty cookie treat after consuming many pounds. However temptation got the better of him. I suspect the difficulties we encountered that weekend was too much.

Naturally, we will continue to go on these little radio-related adventures. As a group, we always learn something from each DXpedition. Sometimes we even hear some DX!

**Don Moore, 11434 140th St, Davenport, IA 52804-9538**

In his musing in the 2/93 Journal, Andy Wallace mentioned an article on "Communal DXing" by Brian Cartwright from 1980. I was a member of that group and can remember those days quite well! Dave Valko and I are the only ones left actively DXing. Brian's article is part of NASWA Reprint #D-5, a collection of articles on DXpeditions and group DXing. It costs \$1, postage paid, from the NASWA Company Store. Include another dollar for a catalog of all the approximately 250 reprints available.

This coming Fall semester I'm going to teach a class in Shortwave Broadcast Listening at Teikyo Marycrest University, where I work. (My normal field is teaching English to international students.) The class is going to be a combination of hobby topics and a more academic look at both international and domestic shortwave broadcasting around the world. In planning the class, I'm using both hobby resources and academic communications studies materials. The class will meet for two two-hour sessions each week for fifteen weeks. One hour will be class lecture/discussion and the other a "lab" hour of listening to broadcasts off the air and via prerecorded tapes. The school is going to purchase some receivers and we will put up some rooftop antennas. I've already checked out the third (top) floor room the class is to be held in, and it is surprisingly quiet of electrical noise.

In preparing the class, I'm putting together a cassette library of shortwave stations and programming. The hardest is getting clean, listenable (to a non DXer) tapes of Third World domestic broadcasters. If anyone has studio or good quality recordings of Third World broadcasters and is willing to make some copies for the class, I would really appreciate it. Also, if anyone has tapes made of Eastern European stations during the fall of Communism there, Radio Moscow during the coup, Radio Kuwait during the initial hours of the Iraqi invasion, or other interesting events, I would also appreciate copies of those. I'm finding out now how limited my tape collection is! I can reimburse you for tapes and postage, but please write first.

Finally, I just bought a modem and got on INTERNET at the university (E-mail MOORE@TMUI.MCREST.EDU). However, finding out what SW information one can access via BBSs and INTERNET and other sources is like searching for the proverbial needle in a haystack. I'm sure it would be helpful to more people than just me if some members who are really familiar with what is out there online would write an article or series of articles describing what there is and how to access it. For one thing, I would like to know if there are any E-mail discussion groups and how to access them.

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# DXer's Forum

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Please submit all contributions to:  
**Bob Brown KW3F**  
238 Cricklewood Circle  
Lansdale, PA 19446  
CompuServe 74756,1557  
GENie R.BROWN106  
Packet KW3F @WB3JOE

This month Hans Johnson recaps his recent visit to United Arab Emirates. Jerry Berg provides this month's DXTarget - Radio Galaxy. **Attention NASWA Members!** I need your articles to keep these pages full! Of particular interest are DXing tips and techniques, station profiles, antenna construction articles, and anything else related to DXing the shortwave bands.

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## The Trip Of A Lifetime DXing From Dubai

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*by Hans Johnson\**

My wife and I had the good fortune to visit my father in Dubai, United Arab Emirates, during the latter half of March. Our travels also took us to Muscat, Oman. So pull out a good map of the region and allow me to share with you my impressions of our first trip ever to the Middle East.

We arrived in Dubai early in on the morning of March 19th. Although the capital of the UAE is Abu Dhabi, Dubai is the commercial center of the country. While I speak some Arabic and studied the region in college, most of my preconceptions were mistaken. I expected a society where we would merely be tolerated and that we could easily fall afoul of if we were not prudent. My first surprise came shortly before our Emirates Airbus touched down. We were shown a short video welcoming us and extolling all the tourist attractions of Dubai. In contrast to some of the states of the region that discourage tourism, Dubai courts it. The leadership is showing quite an amount of foresight in creating economic alternatives for the Emirate even though the natural gas and oil (Dubai has mostly the former) won't run out for decades. Lovely, all-inclusive resorts have been built on the Gulf. The water is beautiful and the sun plentiful-a sure fire combination

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\* 7529 Red Cravat Court  
Columbia, MD 21046

for drawing in European tourists.

Another attraction that will bring tourists is the lack of crime in this society. My father never locks his house and simply leaves the car key in the ignition. While a Western woman will draw stares that would be considered impolite in the US, she is completely safe in any section of the city. Criminals are dealt with swiftly in Dubai. Within the UAE, criminal penalties tend to be harsher in the smaller and more conservative emirates. For instance, in Al Fujayrah, two pirates who were caught lost an arm and a leg each.

While the roads are modern, the drivers are not in UAE. In spite of the police patrolling in their Mercedes, people drive with a fatalism that scared me. For many of the younger men (women need the permission of their husband to drive) an automobile is just a toy. After a brief shower, the roundabout behind my father's house became a donut course until a wreck ensued. One foggy morning brought 130 wrecks, including one 40 car pile up.

To the Arab mind there is no such thing as private space in a public area. So the shuffle you see in the United States as people get on and off an elevator is an unknown concept to the Arab. Therefore, certain situations in the

UAE can be maddening to the Westerner. No one queues for anything, so the one buffet restaurant we went to was a mad house. A trip to a zoo had people pouring in the exits and with hardly anyone buying tickets.

Everyone does better in the UAE than others of their same ethnic group who live elsewhere in the world. While not all Arabs are rich, they are certainly richer than their fellow Arabs in say, Syria. Quite a few Arabs in Dubai did not work but rather derived income from the various businesses they sponsor. For a foreigner to start a business in the UAE, he or she must have an Arab sponsor. All sorts of deals are arranged, but usually the local Arab has a controlling interest (51%) in the enterprise. A labor shortage coupled with the fact that many Arabs loath physical labor has resulted in contract workers being brought into the country. There are many people from the Indian subcontinent in Dubai. They perform much of the manual labor, jobs held by teens in the United States and some managerial positions. Many lived in labor camps outside the city and while their work and labor condition are unappealing to a Westerner, they consider themselves blessed to be in the UAE. Since they are on a contract, however, they are at their employer's whim; a fact that some employers took advantage of. For a Westerner with the right skills (mostly high level management at this point.) working in the UAE brings company paid housing, car, children's education fees, home leave, and a large salary.

Dubai is very much a commercial city. Dubai is a major transshipment port for other points. The creek running through the city is lined with Dhows (a motorized, small wooden ship; an old, reliable design) carrying goods and people from places as close as Iran and as far away as Aden and Somalia. Different items are purchased in various souks (markets) in the city. To let your fingers do the walking is impossible in Dubai, as language barriers and lack of street addresses cannot be overcome. However, once you arrive in the gold souk, for instance, you can rest assured that most of the shops selling gold in Dubai will be located in that souk. There is even a market where counterfeit namebrand goods are sold. In fact, a great deal of the video movies and music available in Dubai is pirated.

Counterfeit cds have even started appearing.

The climate influences life greatly in the UAE. Most businesses close from 1 P.M. to 4 P.M. This results in shops being open quite late at night and there were quite a few people on the streets even after midnight.

Of course, one cannot talk about an Islamic country without mentioning Islam and its effect on the society. I found the UAE to be quite tolerant of other beliefs. While there are no churches or temples, one can buy and consume alcohol and purchase pork products in the supermarket, both forbidden to Muslims. This in a country where there is no separation between church and state. Can you imagine finding horse meat or heaven forbid, dog meat, in an American supermarket? While there was a call to prayer for Muslims 5 times every day, people who were not worshipping were free to go about their business. This contrasts with very conservative Islamic societies, where shops are shuttered and streets deserted during prayer time. One could even eat and drink and smoke outside during the Ramadan fast at some of the big resort hotels.

Toward the end of our visit, we travelled overland to the capital of Oman, Muscat. There was a modern four-lane highway running the entire distance. The coastal highway is lined with date plantations and goes through a few cities, including Sohar, where the pirate Sinbad had his base. The farmers living in these plantations were not rich people, but their farms were very neat. Muscat was everything a capital should be with spotless streets and parks that the people could enjoy at all hours. I have shared with you only my greatest impressions. In fact, the Middle East is so different that I was left speechless at times. I don't think that I will ever be able to understand it all, but I have come to accept it. Well, mates I was also overwhelmed on the radio. There is a lot of potential here for some great DXing and given some time I think one could write entire sections for the WRTH. I was not on a dxpedition though, so I was only able to hit the high spots.

There were many portables available in Dubai but they use a different power system so I

really was shopping for anything. I did not see any table top radios available. Most of the radios I saw people listening to were also large portables. They were usually playing tapes, but there was one fella listening to Radio Pakistan's Home Service in his shop in Muscat. Dubai only has English on FM, although it could easily afford to put its Arabic service there as well. I'm not sure why this is so, perhaps they gravitate towards TV as I saw many houses with 3 satellite dishes on top.

My location was about 200 yards from the Gulf and I used a Sangean AT-818 with about 20 feet of wire. I used battery power the entire time. My dxing in Oman was done with the radio in my father's car. Most of the construction in Dubai was only recently completed, so most neighborhoods have underground utilities. Reception from the Sub-Continent was good, but rather disappointing from Africa. No Amateur Radio Operators were heard on either 40 or 75 meters when I checked.

FM was interesting with stations as far as 400 miles away received. For the sake of brevity, I will only list changes I heard that are not reflected in any reference book. Loggings heard in Oman are marked with (O). Frequencies are in Megahertz.

- 89.0 Oman Arabic Service
- 90.1 Iran Home Service in mono
- 90.4 Oman English only here; 94.3 not heard. (O)
- 91.4 ? Arabic not Oman but no Id
- 91.7 Iran Home Service in mono 1200 (O)
- 92.7 Oman Arabic Service
- 93.7 Oman Arabic Service
- 94.9 Iran Home Service in mono // 90.1
- 96.5 Oman Arabic Service fair in Dubai.
- 101.5 Oman Arabic Service // 1242. (O)
- 102.9 Iran Foreign Service 1200 English.
- 105.8 Iran Foreign Service in mono // 102.9.

AM was only fair, with Iranian services on many channels. There were also a fair amount of empty channels.

## Now Available!

### The 1993 Edition of *The New Shortwave Radloguide*

Yes, it has been nearly a year since the last edition of *THE SHORTWAVE RADIOGUIDE* was published. But in that time, contrary to appearances, your editor has been far from inactive. In response both to user suggestions and increased competition from imitating publications, John Figliozzi has revamped his popular *SHORTWAVE RADIOGUIDE* in a continuing attempt to make it the most complete, accurate, and useful publication about shortwave radio programming anywhere. The increased scope of the 1993 edition of *THE SHORTWAVE RADIOGUIDE* makes it a must for shortwave program listeners wherever they live in the world and even if their primary language is one other than English.

*THE NEW SHORTWAVE RADIOGUIDE*, like its predecessor, carries thousands of listings of English language programs broadcast to or generally audible in North America. But, *THE NEW SHORTWAVE RADIOGUIDE* goes a few steps further.

First, there are now references and listings for English language programs broadcast to other regions of the world. Second, program listings are carried for the other "world" services offered in the primary languages of stations like Radio France International and Deutsche Welle. Finally, there are even listings offered according to some popular program types!

The cost of *THE NEW SHORTWAVE RADIOGUIDE* is \$16 per copy postpaid to NAm, \$20 elsewhere. It can be ordered from The NASWA Company Store, 2641 South Shields St., Philadelphia, PA 19142

Thanks to Harold Sellers of The Ontario DX Association for his desktop publishing help with this publication!

Frequencies are in Kilohertz.

- 657 Abu Dhabi Urdu rather than Arabic // 810 at 1319.
- 1122 Iran Home Service probably Bandar Lengeh on 1116 off frequency. // 90.1 mhz.
- 1224 Iran ? Clandestine Voice of the Islamic Revolution in Iraq 1415 in both Standard and Iraqi Arabic. Unjammed. Strong with id at 1430.
- 1413 Oman BBC easily heard in Dubai. Informing my father of this, who was weary of Dubai FM, allowed me extensive DX priviledges in his car.
- 1476 Dubai Arabic Service is back on frequency rather than listed 1481.
- Shortwave - Yes, the A's and B's were easily received here: Andaman Islands, Bahrain, Bhutan. I did not travel to Abu Dhabi, but the transmitter site for Dubai shortwave is about 10 miles outside the city. There was only a gravel road leading to it and they had 6 curtain arrays up.
- 3255 India AIR Shillong English pops and Programming at 1450, Hindi programming at 1500.
- 3330 Comoros not heard
- 3664 Azad Kahmir not heard
- 3920 Clandestine Kurdistan ? Voice of the People, 1528 caught last half of id in Arabic then Kurdish music.
- 3945 Clandestine Kurdistan Voice of Iranian Kurdistan, 0215 jammed and // 4650. Not heard on 4065.
- 3965 France RFI in FF 0224 // 9800.
- 4070 Clandestine Kurdistan ? Voice of the People of Kurdistan heard in Kurdish at 0420 and 1520.
- 4116 Clandestine Pakistan ? Voice of Kashmiri Freedom, Unjammed with English commentary at 1509.
- 4166 Same as 4070 but here at 1500 a few days later.
- 4180 Clandestine Kurdistan Voice of Iraqi Kurdistan at 1516.
- 4760 India AIR Port Blair Still on at 1403 with swearing-in oaths in English for governor of Andaman and Nicobar Islands.
- 4763 Azerbaijan Home Service 0224 putting out spurs here and on 4807. I assume +/- 22 khz 4785.
- 4790 Saudi Arabia Home Service Arabic 1/2 of 9580 signing on at 0300.
- 4790 Pakistan Home Service ? Not always // to 4915 but I heard no ids for Azad Kashmir radio here. Needs more work, so I guess I'll have to go back.
- 4852 Yemen not heard.
- 4915 Pakistan Home Service // 4790, 5025 at 0109.
- 4994 Sudan not heard.
- 5025 Pakistan Home Service. see 4915. 6070, 6195,
- 7170 not heard.
- 5050 India AIR Aizawl is on.
- 5970 Yemen is on.
- 6300 Clandestine Voice of Kashmiri Freedom presumed the one here, but not heard on 5000.
- 7060 Clandestine Unid but in Kurdish at 0250 and Farsi at 0320.
- 7085 Clandestine Iran ? Voice of Rebellious Iraq 0344, Unjammed in Arabic with anti-Saddam commentary
- 7190 Yemen is off.
- 9779 Yemen heard with bird chirping IS prior to 0300 sign on.

# DX Target



## Radio Galaxy

By Jerry Berg

Radio Galaxy aired its first broadcast on February 1, 1992. It went on shortwave in English on March 29, 1992, using 9880 kHz. during the winter months and 11880 kHz. during the summer. The transmitter has 700 kw. and is located near Moscow. The station believed this power would be sufficient to reach western Europe, but was happy to receive numerous letters from the Americas, Australia, New Zealand, Japan, South Africa and other places.

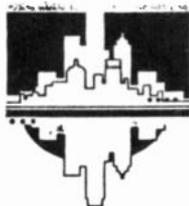
Radio Galaxy was one of the first independent stations to emerge in Russia. It was founded by a Moscow commercial firm, "Galaktika," which is engaged in trade and the entertainment industry. The firm makes regular use of Radio Galaxy to inform people of its services. The Galaktika firm offers a wide range of advertising services. A large advertising agency affiliated with the firm is prepared to place commercials in the most important newspapers, magazines, TV and radio programs (including Radio Galaxy) at rates which are in the \$250-500 per minute range. The firm's legal department welcomes entrepreneurs who have begun commercial

activity in the C.I.S. countries, and they provide legal assistance in various commercial efforts including contracts and launching new ventures. The Galaktika firm works in close cooperation with various companies and has numerous partners "on the show market."

Radio Galaxy is working to improve the quality and content of their programs, and they are preparing a program schedule. They have been planning a fortnightly program on Russian classical music, plus a jazz panorama program hosted by world famous performer Alexey Kozlov who heads the "Arsenal" group. "Radio Market," a one-hour program for businessmen, will go on the air once a week and will feature economic news and forecasts, commercial offers and other current business information. The station urges people to tune in in order to see if they hear something which meets their interest, and to make a contribution to the cause of economic development and general stabilization in Russia.

Pop and rock music lovers are also welcome to tune in for the Radio Galaxy hit parade,

**ГАЛАКТИКА®**



**JERRY BERG**  
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117418  
Российская Федерация  
г. Москва а/я 9  
телеф. 120-76-86  
для международных связей  
ссылка с 20-23  
телеф. в Москве 281-84-75

# RADIO GALAXY

117418  
Post-office box 7  
Moscow, Russia  
phone (095) 120-76-86  
international phone 711-54-75  
Wednesday 18-21 U/T8



which features Russian performers. State-owned Radio Yunost plans to broadcast the Galaxy programming.

The Galaktika firm and Russia State Television are holding talks about launching a TV program. Galaktika is also in touch with several foreign TV networks. A number of Russian periodicals popular with the younger generation have also agreed to publish the ratings of performers taking part in the Galaktika hit parade. Radio Galaxy is interested in establishing creative and mutually

beneficial commercial relations with people in show business, and can respond to requests in English, German, Spanish and Russian.

As of March 1993, Radio Galaxy was broadcasting in English daily at 2000-2300 UTC on 9880 kHz. (with co-channel QRM from Austria until 2130, but clear thereafter). They verify with an attractive blue and silver full-data QSL-card. The address is P.O. Box 7, Moscow, Russia 117418.

[Based on an undated information sheet received from Radio Galaxy in March 1993]

FOR SALE: Dymek PC-11 Fog Cutter Passive Audio Filter, \$50.00. Will ship postpaid. Marino Wilson, 51 Broadway, Milford, CT 06460. Phone (203) 877-1173.

FOR SALE ICOM R-71A, Gilfer customized with 4.0 kHz filter and Pre-amp effective in AM band. A-1 shape. \$595.00 including shipping. ALSO: Customized Beam Headings (from /to) and Distances (MI/KM) to over 482 WRTH-93 transmitter sites including the new Russian Republics. ITU Country Codes included. Send your location or coordinates. \$6.95. WRTH-91 \$10.95, -92 \$12.95 or \$22.00 for both. "Passport to World Band Radio" 1992 and 1992 \$6.95 each. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

FOR SALE: Palomar PF-300 s/c audio filter and PS-95 A/C power adapter. Listed at \$175.00. Both brand new and never used. Will accept best reasonable offer. Mr. R.R. Dailey, 1815 Kleber Street, Pittsburgh, PA 15212-1618.

FOR SALE: ICOM R-71A (PBT) with EEB HPXP modifications plus 500 Hz CW filter, FM option, remote, box, and manual. In mint condition. Was \$1290.00 new, will sell for \$740.00. Truitt Rabun, 2029 Sealoft, Hilton Head Island, SC 29928. Phone (803) 785-4265 weekdays, (803) 363-5059 evenings and weekends.

WANTED: Gilfer M-1 Antenna Tuner. Please state condition and price. Stephen Bohac, 541 Kemah Lake Road, Branchville, NJ 07826.

WANTED: Copy of "Latin America by Radio" by Henrik Klemets or information about who may sell it in the United States. Scott Edwards, 11701 Regan Street, Los Alamitos, CA 90720-4127. Phone (213) 583-9957 days.

# Easy Listening

Richard D. Cuff  
213 Parkview Avenue  
Allentown, PA 18104-5323  
GENie R.CUFF  
MCI Mail 375-4854  
CompuServe 71207,1604  
Prodigy NCH70A

## BBC World Service May Highlights

Several May features are dedicated to retrospectives on the Cold War. With the fall of the Berlin Wall now more than three years into history, the Cold War can be explored as something in the past - so it seems. The key special feature program is *The World That Came In From The Cold*, detailed below.

### News and Feature Programs

Sundays beginning May 2nd, 0230 - *The Language Of Flowers* looks at how the symbolism of flowers has influenced ceremonial, festivals, decorative arts, religion, and medicine. In many instances, floral varieties in Europe and the Far East significantly pre-dated their establishment in the USA. Also repeated Sundays 1615 and Mondays 0730.

Mondays beginning May 3rd, 2215 - *The World That Came In From The Cold* is a new 10-part weekly series based on almost 200 original interviews, and featuring some of the key statesmen, spies, and soldiers of the period. Mikhail Gorbachev, Henry Kissinger, George Blake, and General Chervov are among those interviewed. The series attempts to portray the Cold War era from both sides. Repeated Fridays 0730, 1215, and 1930.

Sundays, May 9th and 16th, 1401 - *Cold Comfort* continues the Cold War emphasis. The shaping of cultural influences on both sides of the Iron Curtain is explored, with responses from artists, writers, and filmmakers. The first installment, *Propaganda And Satire*, looks at spies, counterspies, and double agents reflected in films, books, and plays. Perspectives ranging from *The Man Who Came In From The Cold* to James Bond are explored. *Under The Counter* is the series' second installment, and looks at how popular Western books and music were suppressed in the former Soviet Union, and how the underground literary and arts scenes developed. Repeated Mondays 0630 and 1001.

Mondays beginning May 10th, 2315 - *The Learning World* returns for a ten-week run. A more cosmopolitan, faster-moving program has been promised; a weekly education news update

is also contemplated. The BBC is soliciting queries and program subject suggestions from its listeners; address your letter to *The Learning World* at the usual Bush House address.

Monday, May 24th, 0101 - *China Misperceived* looks at how American and Chinese governments manipulated public perception of each other and were then trapped by the consequences. China's role in the Cold War is reviewed, with President Nixon's 1972 visit and the 1989 Tiananmen Square massacre among the events covered. The American government's tactful ignorance of Chinese human rights violations is also investigated. First airs Saturday 1901; repeated Monday 1515.

### Science and Technology Programs

Sundays beginning May 23rd, 0415 - *Growing Points In Medicine* is an eight-part series profiling eight of the world's top doctors and medical researchers and the latest developments and advances in their particular areas of research. Human Infertility is one of the subjects, with an interview with Dr. Mary Martin of UC-San Francisco, medical director of the *in vitro* fertilization program at UCSF. Repeated Mondays 1930, Tuesdays 0915.

Sunday, May 23rd, 1401 - *Life On Mars* looks at recent scientific experiments suggesting that some viruses may be able to survive the harsh Martian environment. The program speculates on the possibility of life on Mars given a less harsh climate, and also looks at the possible activity that would take place in a manned exploration on Mars. Repeated Monday 0630 and 1001.

### Drama

Sundays, 0101 - *The Play Of The Week* features the following: April 9th, *Cider With Rosie*, based on the autobiography of poet Laurie Lee. Lee's nostalgic and evocative narration links episodes in the family life, from the early school days the feuds between the neighbors, and the night of the great storm - through adolescence to maturity. A nine-person company handles a multitude of parts, from four-year-old Lee to a 90-year-old. April 16th, *The Ascent of Rum Doodle* dramatizes the memorable climb of the 40,000.5-foot peak in the Himalayas known as Rum Doodle. This is a tale of heroic endeavor in the face of avalanches, belching, and the most appalling cooking imaginable. This could change your whole perspective on

mountaineering. No, this isn't April. The *Play Of The Week* is also repeated at 1201 and 1901. Early June tip: The winning entry in the BBC World Service drama competition, *You May Leave, The Show is Over* by Andrew Verster of South Africa, will be aired June 6th.

### Light Entertainment

Tuesdays beginning May 4th, 0030 - The theatrical quiz program *Break A Leg* returns for a six-week run with new programs taped before a live audience in London's West End theaterland. Two teams with showbusiness roots jockey for the championship. First airing Mondays 1715; also repeated Wednesdays 0830.

Tuesdays beginning May 18th, 0230 - *Brain Of Britain* returns for a new 17-week run. Questions of history, geography, literature, science, current affairs, music, and sports will challenge the field of 48 contestants, and will whittle the field to the eventual *Brain Of Britain* to be crowned in early September.

### Music

Wednesdays, May 5th and 12th, 1615 - The *Godfather Of Soul* celebrates the musical career of James Brown as he approach his 60th birthday. The first program chronicles his '60s music, with an interview explaining some of his classics - such as *Out Of Sight, Papa's Got A Brand New Bag*, and *Sex Machine*. The second program looks at Brown's '70s progression into Funk and his personal problems of the time. First airing Tuesdays 0630; also repeated Fridays 1030.

Wednesdays, beginning May 19th, 1615 - *Rock Salad* returns for a set of eight new programs. Thrash Metal through the mainstream sound of Def Leppard are covered, with Tommy Vance hosting. Grunge rockers *Nirvana* of Seattle are among the groups featured. First airing Tuesdays 0630; also repeated Fridays 1030.

## To Everything There Is A Season

Here are some program changes effective with the March 30th seasonal adjustments.

First, from Jim Frimmel via GENie:  
"R. MOSCOW. "Africa As We See It" is gone. A possible substitution is a weekly program on Saturday called "Africa Panorama of Events." I heard it at 1532 and 1832. Another new one is

"Great Women of Russia" heard on Mon at 0311. I also heard "Time Line" on Sat at 0332.

"CANADA. A new weekly program on Sat at 2210 is a musical called "Roots and Leaves." That's the way I heard it, anyway. Maybe the name is "Roots and Names" or something else.

"Also, another new Canadian program in the broadcast to the troops overseas at 0500 is "The G's Report" at 0515.

Also speaking of Canada - RCI now broadcasts English beamed to the USA three hours per day during prime time evenings: 2200-2300 (5960 and 9755 kHz), and 0100-0300 (6120 and 9755 kHz). RCI programming is shown in the 0100-0200 hour weekdays, with CBC domestic programming the other two hours. The weekend schedule has CBC domestic programming at 0200, with RCI programming the other two hours.

## Don't Forget To Write

Just a reminder...

We Easy Listeners are the target audience for most of the international broadcast programming in the shortwave spectrum. An increasing number of governments view international broadcasting as a convenient candidate for the budget-cutting ax, as the domestic constituency isn't likely to complain as vehemently as it might for a program with an easily identifiable domestic impact. As overseas audience research is prohibitively expensive for many of these broadcasters, our letters are quite often the only source of feedback they have.

My suggestion is to develop a regular discipline of letter-writing to your favorite international broadcasters - perhaps one or two letters per month, every month. In these letters, provide specific comments items like the features you enjoy, those you dislike, the times you listen to the broadcast, and future program suggestions. You can pack quite a bit of information on a post card if you work at it, and the airmail postage is only 40 cents here in the USA. Aerogrammes are another option. If your budget permits, most of the larger broadcasters welcome telefaxes.

There are several reference sources for addresses. Both the World Radio/TV Handbook and Passport to World Band Radio have extensive address listings. I'm certain GENie or other on-line service members would get prompt responses to messages requesting addresses.

Thanks to Georg Simon for his E-mail this past month.

Until next month,

# Latin Destinations

Don Moore

11434 140th St.  
Davenport, IA 52804-9538



Hola amigos! In deference to its potential effect on my phone bill, I've avoided buying a modem for a long time. Well, I finally broke down and got one a few weeks ago, and I've begun exploring the world of SW BBS's. I am also now connected with Internet via the university and can be reached via E-mail at MOORE@TMU1.MCREST.EDU. If anyone knows of any interesting radio-related things on Internet, I would appreciate a message about it. Of course comments about the column are always appreciated, whether by E-mail or good old-fashioned USPS!

## SEND A POSTCARD!

One of the things I try to keep track of is Latin American station anniversaries. Five years ago I saw that Colombian Radio Guatapuri's 25th anniversary was coming up (August 30, 1963). They had been inactive for several years, but a few months before the anniversary I dropped them a nice letter asking if they would consider broadcasting any special anniversary programs via their shortwave transmitter for their old international listeners, like me, to enjoy. I didn't receive a reply and forgot about the matter.

On the evening of August 29, I received a call from Dave Valko, who told me he had a reactivated Radio Guatapuri in with what sounded like a live party on their old frequency of 4818v. I checked it out, and sure enough there they were with a big live celebration and lots of announcements about the 25th birthday. It was a fun program. In fact, I've still got a 45 minute tape of it. I listened until well past midnight, and they were still going strong. I checked the next night, but there was no sign of the station, nor on subsequent nights. I wondered if they had received my letter and that had prompted them to turn on the old shortwave transmitter one more time. I also wondered why they were on a night early. I knew I had the correct anniversary date right, as it's on the 10th anniversary pennant that I have. A few months later I received a form letter thanking me for my reception report of the broadcast. Actually, I had sent no report. But, a few others who heard the broadcast had and I got the same form letter, obviously in answer to my earlier letter. Since then, I've always assumed that it was my request that caused them to be on shortwave that one night.

Well, Radio Guatapuri's 30th anniversary is coming up. A 30th anniversary is not as big a deal

as a 25th, but one never knows. They might do it again if we ask. I'm sending them a nice Spanish letter asking for another special anniversary broadcast. I'm sure there are a lot of readers who have never logged this one, so, whether you've heard them before or not, I'm asking for your help. Send them a postcard telling them how much you would like to hear them reactivate for their 30th anniversary. If you can do it in Spanish, do it. If not, go ahead and use English. I usually don't advise writing to Latin American stations in English, but I think for something like this, they'll get the idea. Their address is Radio Guatapuri; Apartado Aereo 51; Valledupar, Cesar, Colombia. Let's see if we can flood Valledupar with postcards!

## MORE ANNIVERSARIES

Here are some more Latin American SW station anniversaries coming up. With luck, there may be some special programming. It might also be a good time to send a reception report, along with a birthday card for the station. The big one is Bolivia's Radio Illimani whose 60th anniversary in on July 15 (1933). Brazil's Radio Guaruja will be celebrating its 50th anniversary on May 14 (1943). Also, Radio Atlantida, Peru will mark 25 years of broadcasting on SW on June 27 (1968), although they started on AM on June 16, 1957. Radio Atlantida is still active, and I believe has been for all of those 25 years. If you've verified them like I have, it might be nice to send a card to them to congratulate them for 25 years on SW. It might help encourage them to keep it up!

Some other anniversaries of interest include R Reloj, Costa Rica (July 2/45); R Panamericana (July 17/72), Bolivia; R Paz y Bien (June 12/52), time station 11D2IOA (July 25/77), and LV Galapagos (July 20/69) in Ecuador; R San Martin (July 26/80) and R Concordia (July 19/73) in Peru; R Ed Rural, Coari (July 26/77), R Clube Paranaense (July 27/24), and R Nacional Brasilia (May 30/58) in Brazil; R Nacional Caracas (May 30/58) and R Frontera (June 12/65), Venezuela; and LV del Llano, Colombia (May 30/61).

## ENGLISH REPORTS

As I alluded to above, it's not a good idea to write English reception reports to Latin American stations. First, more stations than you might

imagine really can't understand them. Secondly, especially for those of us from the U.S., it may be seen and resented as part of the "ugly American" syndrome where we assume foreigners must study our language, but we don't bother to study theirs. However, there are a few small religious stations that you can send English reports to: Radio Cultural, Guatemala; HRVC and Radio Luz y Vida, Honduras; Faro del Caribe, Costa Rica; Radio Esperanza, Chile; and 4VEH, Haiti (if they come back on). If anyone knows of any others, please let me know - although be sure your information is recent. There are some stations that used to be run by American missionaries and were able to accept English reports, but eventually were turned over to local converts who don't speak English (Radio Maya, Guatemala, is an example).

## SUMMER DXING

Summer's coming quick, and with it, poorer conditions in the tropical bands. However, that doesn't mean you can't still DX Latin American stations. Summer evenings are a good time to look for Latins, especially Brazilians in 25, 19, and even 16 meters. For example, the past several years Radio Cultura de Sao Paulo has put in a good QRM-free signal from around 2300-0200+ on 17815 kHz - and it may be the only 1 kW station you'll ever hear on 16 meters! I also think that early summer mornings, an hour or so after your sunrise, is the best time to DX Latin stations on 31 meters. But, don't totally write off the lower frequencies. As the days get longer here in the north, they get shorter south of the equator. There are some interesting early evening grayline paths to Bolivia and nearby areas of southern Brazil during the summer. Also, around 0900 or before in the summer can be a good time to hear tropical band and 49MB stations from deep South America. During our summer their sunrise is a lot later than it is during our winter. For example, I've had some great receptions from Radio Nacional in Argentina on 6060 during the summer. So . . . enjoy the summer, but don't forget to try for a little Latin American DX, too!

## IT'S BIGGER THAN YOU THOUGHT!

Colombia's CARACOL network is obviously very large and important; just a look at its listed affiliates in the WRTH will tell you how big it is in Colombia. On presidential election night here in the U.S., I listened to some of CARACOL's live coverage and at one point they listed stations in about a dozen LAM countries who were relaying the broadcast. They weren't small stations, either, but primary stations in each of their respective countries. Clearly CARACOL is a significant force in LAM news coverage. (Although I should note they were the only broadcast entity that I know of

that carried Dan Quayle's concession speech live and in its entirety, which may have been a misjudgement in importance!) CARACOL has an excellent satellite hookup which allows it to function as a news hub for the rest of Latin America.

Well, in early February I was in Pennsylvania to visit my parents, and as usual found the time to visit the Penn State library and browse through the past year's issues of the Latin American communications journal CHASQUI. Among the interesting stuff I found was a short article on CARACOL. It turns out that as large as CARACOL is, it is only one part of the Grupo Santodomingo, one of three economic conglomerates that control much of Colombia's economic output. The Grupo Santodomingo also owns several banks and insurance companies, petrochemical plants, one of Colombia's four largest TV stations, AVIANCA (Colombia's main airline), and all Colombia beer producers (including Cerveza Bavaria, which is often advertised on Colombian radio), plus investments in Ecuadorian and Portuguese beer companies. Finally, the group owns 50% of Cronus, Colombia's most popular newsweekly, and 50% of the Spanish American edition of Cambio 16, a major Spanish language newsweekly.

The bottom line, however, is that there is a lot of concern in Colombia that too much of the economy is controlled by these three big conglomerates, which are in turn controlled by the traditional elite families. The Grupo Santodomingo, however, is seen as a special problem because of its domineering control over news media, and by extension, advertising, in all its forms. As the political left continues to gain support in Colombian politics, we may hear more about this problem in the next few years, although I'm sure the ongoing war with the drug cartels will continue to be top priority.

In the meantime, if you want to hear CARACOL, try 5075 kHz any evening or morning. It's often the strongest signal in 60 meters. In the morning also try 6075 and 6150 kHz, although these frequencies are more likely to suffer from interference. The first two frequencies are from near Bogota, but 6150 is from Huila in southern Colombia, so can be counted as a separate station. Several other Colombian shortwave stations are affiliated with CARACOL and carry CARACOL news and programming at various times. For example, lately I've heard La Voz de la Selva from Florencia on 6170 kHz with nothing but CARACOL programming in the morning around 1100 UTC.

Well amigos, out of room once again! Hasta luego! Don

# Listener's Notebook

Dan Ferguson  
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All times, dates, and days of the week are GMT (UTC), dates are MM/DD or MM/DD/YY.

**AFGHANISTAN** - *Radio Afghanistan* has announced operations at 1430-1730 on 7200 & 655 kHz. BBCM hears them on 7200 in English at 1430-1500, Urdu at 1500-1530, and notes that they at times announce 9635 kHz. The main domestic service in heard on 7200 at 1530-1730. (WBI 4/9)

**ARGENTINA** - *Radio Malargue* 6160 has recently reactivated. (Camporini, DX'ers Calling via HJ) That explains the lack of logs for this one in years past until the last few months. (HJ)

**AUSTRALIA** - The Australian government has opened parts of the 148-174 MHz utility band for low-power FM mono broadcasting. The stations are intended to serve ethnic communities and markets too small for Australia's frequency-bidding commercial radio. The first such station, GB Radio on 152 MHz, began testing 4/7. Regular service begins May 1. It is targeted at British expatriates in the Melbourne area. GB Radio sells annual memberships and a converter which translates the 152-MHz signal to normal FM frequencies. Programs from stations like BCR Radio in Belfast, Heartland FM in Scotland, Phoenix in Wales, Radio Thames Mead in London, and British hospital radio stations are flown to Australia. When GB Radio goes nationwide later this year, a satellite link will be used. It is commercially viable and might become an alternative to shortwave in other countries. (Peter Marchardt, GB Radio, and JM on RNMN 4/15) [And 152 MHz might just make it to New Zealand on sporadic-E or tropospheric skip.--mf]

**BOLIVIA** - *Radio San Jose* 5580 kHz has reactivated. Heard at 2232 UTC. (JHU Dclusive via Play-Dx via HJ)

*R. Metropolitana*, 6195 kHz, [see April LN] heard in Japan at \*0858-1005 fade, with

Bolivian folk music; good signals. (Mikio Yamada, Japan)

**BOSNIA** - At least one party to the three-cornered Bosnian conflict has worked out a new twist on clandestine operations. Bonafide radio amateurs and other persons using amateur equipment, mainly in the 80 and 40 meter bands, have been the only contact with some isolated towns in the Moslem areas. One faction is believed to be operating phony amateur stations for the benefit of credulous media reporters; both the third party "amateur" receiving station and the transmitting stations and their traffic are under the control of the victim government, whichever it is. (John Campbell and JM on RNMN 4/1)

**BOUGAINVILLE** - *Radio Free Bougainville* is definitely inactive (ex 3870 kHz) despite info from IARN to the contrary. It is very unlikely to reappear and certainly not from Arawa. If a government station eventuates from Bougainville, it will be on previously allocated 6020 kHz daytime channel and probably 3975 nighttime. RFB was a Yaesu ham band transceiver screwed down to 7 watts (full AM); the power amp was capable of 600 watts continuous AM but was deliberately under-run at only 50 watts. If you got a QSL from this one, you've got a good one! (Gordon Darling via FAX to Dave Clark, via ODXA)

**BRAZIL** - *Radio Oito de Setembro*, 2490 kHz, has only 2 announcers and 7 employees. They have 2 studios and a home-made mixer. There are no slogans, no new albums and the station is "a little abandoned" with the owner spending much of his time in Sao Paulo. (Richard D'Angelo in NU, via HJ)

[see March LN] *R.Globo* never had a 250 kw SW service; they are still on shortwave. *Radio Bandierantes* recently began operating all its shortwave transmitters on a 24 hour schedule. (Tony Jones, Paraguay)

**CAMBODIA** - *The Voice of the Khmer* on 6325 kHz is being heard in Europe from \*2300-2400°. (JC on RNMN 4/11)

(Clandestine) - *The Voice of the Grand National Union Front of Cambodia*, operated by the Khmer Rouge on 5408 kHz, is the successor to two earlier stations which merged in 1991. Now that the Khmer Rouge has not only broken with the United Nations command but has walked out of Phnom Penh en masse, this station has become more important. It broadcasts at 2330-0200, 0800-1000, and 1200-1500 in Khmer and Vietnamese only. In Sri Lanka it is stronger than the government station, *The Voice of the People of Cambodia*, heard on 4910 kHz at \*1200-1500. Phnom Penh's External Service is still heard on 11938 kHz with EE at 0000 and 1200. (VG on RNMN 4/11)

**CHINA** - *CPBS* 1st Program signs on at 1958 on 3220, 4460, 5320, 5880, 5915, 6125, 6180, 6750 6840. 2nd Program signs on at 2058 on 5163, 5716, 6890, 7770. (Kito in OZDX, via Contact, via HJ)

**COLOMBIA** - *Ondas del Puerto*, 4627 kHz, harmonic of 1165, heard shortly after 2300 and located in La Virginia (Risaralda). (Klemetz in DXSF via HJ)

*LV de la Selva*, 6170 kHz, heard at \*0957 w/Latin music on "Buenos dias Colombia" program; fair signals. (Mikio Yamada, Japan)

**COOK ISLANDS** - Guy Atkins recently visited *Radio Cook Islands* while vacationing there, and found that the shortwave transmitter formerly on 11760 kHz was destroyed in a fire in May, 1992. There appear to be no immediate plans for a return to shortwave. (Guy Atkins)

**COSTA RICA** - *Faro del Caribe* is completing a new transmitter base in Heredia that is expected to be commissioned in May. (Adrian Peterson, DXLD via HJ)

*Radio Reloj*, 6006 kHz, is off the air on this frequency. *Radio Cartago*, 6075 kHz, is off the air. *Radio Universidad de Costa Rica*, 6105 kHz, is off the air, although this may be only temporarily during the year end vacation. (Adrian Peterson, DXLD via HJ)

*Radio Neg Mawon* via RFPI, 15030 kHz, has verified and given the following address: P.O. Box 557, Warwick, NY 10990. v/s was Molly Graver. (Berg NU via HJ)

From April, *Radio Exterior de Espana* was to begin the Ibero-American service, 12 hours daily of programs for much of the United States, Central America, the Caribbean and northern South America. The service is to be transmitted from RNE's Cariari de

Pococi site in Costa Rica. The service will have a news structure based on correspondent's dispatches, reports, press summaries, commentaries and topical programs. Preference will be given to news about the American continent and relations between Spain and South America. (RNE via 'El Pais' via WBI 4/9)

**DENMARK** - *Radio Denmark* transmits 25 minute programs in Danish, via Radio Norway International facilities, at 0030 to Asia, ANZ & America on 9675, 11930, 15165 kHz; 0130 to America on 9560 & 11930; 0230 to ME/As/ANZ/Am on 9560, 11870, 11925; 0330 to ME/As/ANZ/Am on 9560, 11730, 11865; 0430 to Eu/ME/AF/Am on 9740, 11730, 11865, 15175; 0530 to Eu/AF/Am on 7215, 9590, 15170, 17815; 0630 to Eu/AF/As/ANZ on 9590, 15165, 17815; 0730 to Eu/AF/As/ANZ on 9590, 11735, 17815; 0830 to As/ANZ on 15165, 17740; 0930 to Eu/ME/AF/As/ ANZ on 21595, 21705; 1030 to Eu/AF/Am on 15165, 17795; 1130 to Am on 15165, 21705; 1230 to As/ANZ/Am on 15335, 17740, 17780, 17860; 1330 to Eu/AF/As/ANZ/Am on 9590, 15230, 15335, 17865; 1430 to As/ANZ/Am on 15195, 15335, 17795; 1530 to Eu/ME/AF/Am on 15335, 17860; 1630 to Eu/ME/AF/Am on 15230, 15335, 17825; 1730 to Eu/AF on 9655, 15220; 1830 to Eu/ME/AF on 9590, 15220, 21705; 1930 to Eu/AF/As/ANZ/Am on 9590, 15220, 15335, 15365; 2030 to Eu/AF/Am on 9590, 17730; 2130 to ANZ/Am on 15165, 15175; 2230 to Am on 15165, 17845; 2330 to Am on 9655, 11795. (WBI 4/9)

**DOMINICAN REPUBLIC** - *Radio Estrella*, *Radio Quisqueya*, 6205 kHz, corted and clear Radio Estrella ids at :15 and :45 minutes past the hour. Perhaps Radio Quisqueya is a slogan or sister station name. (Krueger, DXSF via HJ)

**ECUADOR** - *Radio Runacunapac Tachana*, 2967 kHz. The Spanish ID for this station is *Radio El Saber del Hombre*, that is, Radio Human Knowledge. (Klemetz, DXSF via HJ)

*Radio Popular* heard on 4945 kHz, ex 4800 kHz. (Gaviria, Play-Dx via HJ)

**FRANCE** - *Radio Neighe* [Snow], 25710, 25900 & 26070 kHz. Heard since early December around 1430-1700 UTC. These frequencies are safety communications and are installed in about 20 ski resorts in France and are used for emergency radio to the cable-lift cars on the ski slope. Broadcasts with ads, jingles, entertainment, PSAs (one of Securit Cable) and id as Securit Cable Nostalgie. Transmits in narrow-band FM. (Robert Allen, FT via HJ)

Transmitters servicing twenty different ski resorts are scattered throughout the French Alps and there are several transmitters at each site. Tapes are played independently at each site so the transmitters are randomly unsynchronized. While there was no indication of transmitter power, signals were still heard almost daily between 1300 and 1700 around the end of March. (WOR)...surely it would be interesting to try for a verification from this "network", although I suppose it would be impossible to determine which transmitter was being heard at any one time. I would bet the transmitters are 100 watts or less. (Dave Clark in ODXA)

The new conservative government in France is expected to make many changes in broadcasting, including public-service broadcasting. Even before the election there were reports that a Gaullist regime would dismantle RFO, *Radio France d'Outre-mer*, which is responsible for domestic broadcasting in France's overseas departments and territories. (RNMN 3/25)

**GEORGIA** - A new station, *The Voice of Abkhazia* [Russian: Golos Abkhazii] began broadcasting 4/4 in the 41 meter band. (WBI 4/9) Observed 4/10 & 13 at 1730-1800 on 7305 kHz. Announces as *Apsua Radio* [Abkhaz Radio]. In Abkhazian except for a Turkish news summary about 1750. AT 1800 switches abruptly to *R.Moscow* Arabic service. (WBI 4/16)

**GERMANY** - AFN Bremerhaven on 1143 kHz closed at the end of March. Most of the troops based in the Bremerhaven area have gone elsewhere; a 250-man support group for harbor tugs is the only U.S. contingent remaining. It is being served by a low-power FM outlet. AFN Stuttgart, also on 1143 kHz, has both moved (to Mannheim-Zeckenheim) and changed its name (to ARN Heidelberg). (JM on RNMN 4/1)

*Deutsche Welle* is observing its 40th birthday this year. Overseas broadcasts in German by DW began on May 3, 1953. English was added on Oct. 3, 1954. Germany began shortwave broadcasting in 1929, six years after ordinary broadcasting started, with one 7-kw transmitter, in German only. The reunification of Germany in 1989 has had tremendous impact on Germany's 'broadcasting landscape.' West Germany has had two international broadcasting organizations, *Deutsche Welle*, which broadcasts overseas, and *Deutschlandfunk*, which broadcasts mainly within Europe. In the course of 1993, we will see all the foreign language services getting together under the roof of DW, making 45 foreign languages in

all by midsummer. Whether all 45 will be kept remains to be seen. There is increasing awareness that Germany cannot appeal to the rest of the world in GG, which is why the English service has gained importance over the last few years. This importance is also reflected in listeners' feedback. Mail to the EE service has reached the volume of mail for the GG service, which is remarkable. DW's management has shown increasing interest in rebroadcast operations. This was not possible in legal terms to any great extent before, but DW's new director general is determined to get into radio rebroadcasting in a great way. DW has also set up a worldwide TV information service which is operating in Europe, in North America by satellite, and in parts of Asia by satellite. It runs 14 hours a day, mostly in GG. We are in the process of dubbing everything into EE and possibly into SS. The target areas are limited because you and I know that SW will remain the primary source of information for many parts of the world. That is why I am sure that the EE service will be needed for decades to come. I haven't heard anything about new SW relay sites. We also will use the TV satellite channels for audio transmissions; The EE and GG sw services are now on satellite to North America. It is too early to say whether they are being used to any great extent. Even in these areas SW will continue to play a modest role. (Summary of interview of Dieter Wernig, head of current affairs at *Deutsche Welle*, by Ian Macdonald on RJMR 4/11)

**GUATEMALA** - *Radio Cultural* is installing a new AM transmitter. The old transmitter will then be modified for use on SW, using a reactivated channel, perhaps in the 31 meter band. (Adrian Peterson, DXLD via HJ)

**GUYANA** - *GBC* 5950 kHz has been reactivated. Heard at 1000 UTC. (HJ)

**HAITI** - (Clandestine) - *Radio 16 Desamm*, 17830 kHz. I received an unsolicited (QSL?) for this station via the Chancery of Haiti. I had previously verified them via Radio Miami International. The station also enclosed a letter: Radio 16 Desamm is the radio station of the legitimate government of the Republic of Haiti which has been forced to broadcast outside of Haitian territory since a bloody military dictatorship was installed in Haiti in September of 1991.

The coup d'état against President Jean-Bertrand Aristide who was democratically elected by 67.7 % of the electorate on December 16, 1990 has completely blocked the transition to and consolidation of democracy in Haiti.

Our radio station is one of the ways in which the Haitian people and President Aristide are fighting for the return to constitutional legitimacy and the restoration of democracy in our country.

The letter was signed by Louki Yves CAL via Chancery of Haiti, 2311 Massachusetts Ave, N.W., Washington, D.C. 20008. Telephone (202) 986-4933. The station's slogan is Radyo Rezistans ak Mobilizasyon jouk mayi mi.

The schedule is: 1200-1300 Mo-Fr on 7315 kHz; 2200-2300 Mo-Fr on 17835 kHz; 2300-0000 Sa on 7355 kHz; 1100-1300 Su on 9850 kHz. (HJ)

**HAWAII** - *KWHR*, Naalehu, Hawaii, is expected to begin broadcasting to Asia and Australia this fall. *KWHR* is owned by LeSea Broadcasting Corp. [LeSea for LEster Sumrall Evangelistic Assn.] The xmtr site is eight miles from South Point, the southernmost tip of the U.S. The manufacturer will ship the xmtr on June 15. The building will be erected in June and July. Installation and testing will take place in July and August. The xmtr and antennas are expected to be ready near the end of September. Programs will be prepared in South Bend, IN, at LeSea's headquarters. LeSea operates WHRI in Noblesville, IN, and has its own TV satellite network. The audio feed to Hawaii will be a subcarrier of the TV channel. The staff wants to have the station working in time to celebrate Dr. Lester Sumrall's 80th birthday and his 60th anniversary as an evangelist. (Douglas Garlinger, chief engineer, WHRI, on RNMN 4/15)

**INDIA** - Two of the new AIR domestic stations were noted on the air in March, although it is not clear if these were tests or regular programs. Jorma Mantyla in Finland reports a Mar 14th logging of AIR Itanagar on 3245 at 1400; also AIR Jaipur on Mar 28th at 1514 on 4910. In both cases, local ID's were heard. The 3245 signal was also heard at 1530 on Mar 12th in Australia, with a Delhi news relay parallel other known AIR outlets. (Internet via Jean Burnell / David Foster in OZDX, via ODXA)

From 4/14 *All India Radio* was to carry a national news bulletin in English at 1530 in external services toward SAARC [South Asian Association for Regional Cooperation], West Asian, Southeast Asian and Gulf countries for the benefit of nonresident Indians. An AIR broadcast at 2110 gave the frequencies for this 1530-1545 transmission as 11670, 10330, 9910, 7412 and 7140 kHz. (WBI 4/16)

**INDONESIA** - *RRR Ujung Pandang*, 4753 kHz, is easily heard in North America in both our mornings and evenings depending on the

time of the year. Perhaps the various program titles listed below will help you with your reception report. This is a partial listing:

Sunday: 2205 Santapan Rohani Kristen; 1130 Pojok Radio, Coto Mangkasara; 1210 Kilasan Berita Sepekan; 1330 Kebaktian Menyanyi.

Monday: 2205 Dialog Pak Kiyai; 1130 Forum Pemuda Mg. I; 1210 Ulasan Pers Daerah; 1330 Istirahat Malam.

Tuesday: 2205 Ceramah Subuh; 1330 Persona Budaya Nusantara.

Wednesday: 2205 Ceramah Subuh; 1130 Pembinaan Bahasa Daerah; 1330 Sandiwara Radio MG. I, III.

Thursday: 2205 Ceramah Subuh; 1130 Mimbar Agama Islam; 1330 Persona Musik.

Friday: 2205 Pengajian dan Tafsir; 1210 Rusan Ekonomi; 1330 Imbuan Malam.

Saturday: 2205 Ceramah Subuh; 1130 Gelanggang Universitas; 1230 Persona Budaya Nusantara; 1310 Keseman Tradisional. (Dave Valko via HJ)

*RRR Jayapura*, 6070 kHz, suffers random power shortages which would account for intermittent operation on this frequency. (Darling NU via HJ)

*RRR Samarinda* (Kalimantan) continues to operate on an extended schedule, reportedly closing around 1430, the frequency being 9614.38 - slightly variable. Since March 28th, however, KNLS-Alaska has been occupying 9615 from 1300 s/on in English with a strong signal, effectively blocking Samarinda. (Dave Clark via ODXA)

*RRR Medan* (Sumatera) was tentatively heard on 3378.4 at 1145 with evening Call to Prayer and Jakarta news relay at 1200 on Mar 21st. The signal was undermodulated and poor, even in Australia. (David Martin in OZDX)...that would be a shift up from 3375.55 where it was stable when I heard it at weak levels a few times this past Dec/Jan circa 2250-2310 (Dave Clark in ODXA)

**INTERNATIONAL WATERS** - A radio station carrying independent news to the remnants of Yugoslavia, and financed by the European Community, began broadcasting from a ship near Bari, Italy, on April 7. *R. Brod [Radio Boat]* operates on 720 kHz AM with 50 kw and on 90 MHz FM. It can be heard in Northern Europe around 0300 when some co-channel stations are silent. The staff of seven include a Slovene, two Croats, two Montenegrins, a Serb and a Bosnian Muslim. Its director, Agitsa Panorats, say they hope to make a dent in the propaganda war that has accompanied the ground fighting.

AP: One factor which had weight in the war was the monopoly of information with just one side of the problem given the public. This is why there is so much prejudice. In Croatia, people think "Whatever the Croat

government does, it's OK. In Serbia it's "Whatever the Serbian government does, it's OK." Public opinion is made by the government, and by the government's radio, TV and the press.

EB: The station is located on a former oceanographic vessel named "Droit de Parole" which means "The right of speech." The 65-meter-long ship flies the flag of St. Vincent and the Grenadines, in the Caribbean, and depends on the port of Bari for supplies. The MW xmr went on the air a week ago, but the station is not at full strength, according to another journalist, (Sujen Itsavatsse).

SI: We started the evening of April 7, using music to set up the equipment. The signal from the transmitter gets into telephones, faxes and satellite links on board. We'll fix that in the next two days.

EB: The goal is to have a short news bulletin every hour on the hour, and three major news bulletins daily, in the morning, afternoon and evening.

SI: We have AP, Reuter, the Serbian agency Tanjug, and the Croatian and Bosnian agencies.

EB: The station has set up its own network of correspondents throughout the Balkan region. R. Brod plans to open a telephone number in Paris, to help people inside and outside the war zone to pass on messages to relatives or friends. The station has received a subsidy from the European Community of one million ECUs or US\$1.2 million, enough to keep it on the air for a month. The organizers hope private donations will keep the station going after that. But why did they choose a boat rather than an existing radio station?

AP: Broadcasting on the ship means, in a physical sense, to be independent. If you put a transmitter anywhere in the ex-Yugoslavia you are exposed to the risk to lose it immediately, I mean to be captured by the state of any of these republics. The fact of being in international waters means, literally, being independent. If you put the station in any neighbor country [of Yugoslavia] you risk to make a conflict between the Yugoslavian republics and the host country.

EB: The station claims to cover most of the former Yugoslavia, including Serbia, parts of Croatia, and Sarajevo. The station has another advantage over traditional international broadcasters.

AP: There is such xenophobia about whatever comes from abroad; people immediately refuse it.

EB: This is the second time that the French-based Droit de Parole Association has provided backing to an independent medium in the former Yugoslavia. Last summer the association approached the UN sanctions committee for permission to ship several

hundred tons of newsprint to independent newspapers in the Balkans. It got a green light to provide the paper, as well as equipment for a radio station in the former Yugoslavia. The operation was a success, but the organizers expect the new project will face considerable resistance from the Serb and Croat governments.

AP: We definitely have plenty of problems with the old republics of Yugoslavia, because we are independent in the sense that we are fighting for pluralism of information, and are trying to give objective information, which is disliked by all governments in all states. The problem of disinformation is the biggest problem and it's common to Zagreb and Belgrade.

EB: R. Brod is clearly violating international telecommunications law, which prohibits broadcasts from ships, even if they are in international waters. Agitsa Panorats is aware of that, but she says there are higher moral objectives at stake here.

AB: We are not fighting for commercial reasons. We are not like Radio Caroline, fighting to have a few hours of pop music and working on commercial programs. We are fighting, first for the dignity of professional journalists. We are fighting to stop the war and re-establish the dialog. We are fighting to try to make communication among those parts of Yugoslavia which do not communicate any more, especially members of the families all over ex-Yugoslavia which at the moment are not able to give a message or to talk to each other. This is all what gives moral legitimacy to the project. (Eric Beauchemin and friends on RNMN 4/15)

**IRAN** - (Clandestine) - The *Voice of Mojahed* (Sedayi Mojahed) has many freqs and the pattern is not easy to follow. They do pop up on frequencies between \*6970-7025\* kHz, best in Western Europe from 1800-1930. They are believed to be on the air consistently from \*1500-0100\*. (JC on RNMN 3/25)

**ITALY** - *Idea Radio*, near Genoa, uses 450 watts on 7380 kHz. It was heard 3/24 from 1300-1400 with IDs in II and SS, and from 1445-1500 with an ID in truly awful EE. The mail address is: *Idea Radio*, Box 38, I-16030 Gattorna, Genova, Italy. (Dr. Salvatore Placanica and Andy Sennitt on RNMN 4/1) *Idea Radio* 7379.82 is a new station that seems to be on 24 hours. Multi-language ids heard. (Flora, Pavaello Play-DX via HJ)

WRTH 1993 page 97 has wrong address reference numbers for some shortwave stations; amend to: 6012 is 2), 6220 is 7), 7140 is 8), 7297 is 9), 11390 is 10), 13667 is 11). (Communication via DXLD via HJ)

**JAPAN** - *Radio Japan* made wholesale, last minute changes in the summer schedule for 'Media Roundup' - the good news being that several of the broadcasts will be carried on the Sackville relay after all. On Sunday, the RCI relay has it at 0530 at 9725 and again at 1430 on 11715 (11865 direct is also a good bet at 1430). The Gabon relay continues at 2130 on 11925. There is also an RCI relay at 0130 Monday on 5960. (WOR, via ODXA)

**LITHUANIA** - R. *Vilnius* moved to 11750 kHz with EE at 2300-2330 3/28 because of European summer time. (Derek Cooper, UK, on RNMN 3/25) From 4/15 *Radio Vilnius* was to cut English and Lithuanian external service broadcasts by 50% to one half hour a day. The further fate of the broadcasts is uncertain, in view of Russia's request for 30 million talonas for rent of the transmitters. An appeal for financial assistance has been made to Lithuanians abroad and the Lithuanian national fund. (R.Vilnius via WBI 4/16)

**MALAYSIA** - R. *Malaysia International* plans to add broadcasts in Japanese, Cambodian and Vietnamese. The JJ broadcasts will begin this year, the other two languages later. (Atsushi Konno, Japanese BCL Federation, on RJMR 4/11)

**MALTA** - *The Voice of the Mediterranean* can be heard in English at 0600-0700 on 9765 and at 1400-1500 on 11925. ('EuroNews' on Internet via Jean Burnell, via ODXA)

**MEXICO** - *XEQM*, Merida, 5635 kHz, heard tentatively here at 0250 UTC as a massive FM blob with nothing heard on 6105 kHz. (Krueger, DXSF via HJ)

**MOROCCO** - Initial transmissions from the still under construction new VOA Relay Station in Morocco are expected as early as late June. The VOA Frequency Division BBS will have details when known. [df]

**NETHERLANDS** - On the April 1st edition of *Media Network*, the Battle of the Budgets was announced with great ceremony. The staff of Radio Netherlands and Deutsche Welle were to hook up in the European football final with the winning team inheriting their opposite's broadcasting budget for 1993. A colleague at the BBC was to serve as referee in this high stakes match. There was even talk that the match would be carried live on Radio Netherlands' CIS relay transmitters and that special QSL's would be available for confirmed reception reports. The match was to have occurred that same Thursday afternoon but at the conclusion of the broadcast it was announced that word of the results had not yet

been received due to "technical difficulties"!...a tip of the hat to Jonathan and the Media Network crew for a rather creative April Fools play (dmc) (via ODXA)

The Dutch PTT has issued two 80-cent stamps to honor *Radio Oranje*, the clandestine station operated by the Dutch government in exile from 1940-45. Professor (?Leo Dillon?) who worked for R. Oranje in London, recalls what they used to do.

LD: We had two programs, one at 1 p.m. and one at 8:15. It was only a quarter of an hour, but every word counted. We had to read the papers, we got all sorts of information from the BBC Monitoring Service, all sorts of papers from the Political Warfare Executive. We had to be in touch with Dutch government agencies, particularly the Secret Service, which had to give us part of the secret news that had come in from Holland. And then you had to go and sit behind your typewriter and try to put into words what you wanted to say to the people of Holland.

It was a program of 14m 40s. We had a signature tune at the beginning and a closing tune at the end, which took away 40 seconds. We had to do our best to make it worthwhile for the people in Holland to listen, because many who were caught listening by the German police were arrested and punished, perhaps sent to a concentration camp in Holland for a couple of months. So people really did take great risks in listening to the program. It had to be worthwhile. It only became, well, a fairly good program in my opinion, after the end of 1942.

The signature tune, chosen after the station had been on the air for some time, was "Open the Gates," a tune from the Eighty Years' War against the Spaniards in the 16th and 17th centuries. Every Dutchman knew that tune, and it lasted about half a minute. In 1943 we dropped it after consultation with the BBC because it proved to be fairly dangerous for the people of Holland. It could be heard through the walls.

JM: Eight and a half million copies of each stamp are being issued. Because many people who worked with R. Oranje joined R. Netherlands in 1947, RNI is arranging with the Dutch PTT for an exclusive set of R. Oranje first-day covers. The winners of a contest on *Media Network* 4/29 will qualify for some of these distinctive covers. (RNMN 4/15)

**NETHERLANDS ANTILLES** - Many staff at *TWR Bonaire* may be reassigned to other TWR stations when TWR Bonaire closes its SW xmtrs 6/30. Others are being retrained for the satellite network which will start 7/1. The satellite net is expected to

reach a new audience in the cities, young urban unchurched people who have never heard of shortwave. TWR's SW audience has been historically small-town or rural or active SWLs. TWR has seen an increase in requests for QSLs, which Chuck Roswell is supervising. There will be no 'phasing out' of the SW operation because the technical staff will be busy with SW until the very last day and then must start on the satellite network. (Tom Cochran, manager, TWR Bonaire, interviewed by Glenn Volkhardt on DXPL 4/10)

**NEW ZEALAND** - *Radio New Zealand International* released its new sked for 5/2 thru 10/3. The single 100 kw xmtr is scheduled as follows: 1650-1849 Mon-Fri on 6035 kHz; 1850-2136 Sun-Fri on 11735 kHz; 2137-0658 daily on 15120 kHz; 0659-1206 daily on 9700 kHz; international sporting fixtures as needed from 1207-1648 on 9510 kHz. Special test transmissions were made on 6035 kHz on 4/10, 4/17 and 4/24 only between 1650 and 2130. Prompt replies to reception reports require three IRCs to: 49 Meter Band Test, RNZI, Broadcasting House, Box 2092, Wellington. (AC and JM on RNMN 4/8)

**NIGERIA** - *Radio Nigeria*, 3970 kHz, heard on this new frequency at 0600 in English // 4770. Maybe the listed Enugu site. (Berg, DXSF via HJ) If it is Enugu then it counts as Biafra per NASWA list. Don't confuse with co-channel *Radio Buea* which has been logged here in the past. (HJ)

**PAPUA NEW GUINEA** - *Radio West Sepik*, 3205 kHz, is only running 6 kw and is severely overmodulated at times. I hope to get the modulation sorted out and a full 10 kw up the spout. (Darling, NU via HJ)

**PERU** - *Radio Adventista Mundial*, 3870 kHz, address is Jr. 2 de Mayo 218, Celendin, Cajamarca. (Klemetz, DXSF via HJ)

*Radio Internacional del Peru*, 3402 kHz, address is Ave. Bolognesi 532, San Pablo, Region Nororiental del Marañon, Cajamarca. (Klemetz DXSF via HJ)

*Radio Oyon*, 3800 kHz, has reactivated and has been heard around 1030 since the end of March. (Dave Valko via HJ)

*Radio Vision Das Mil*, 5131 kHz, heard here around 0100 UTC, but now transmitting from Bambamarca. It's not clear if this is a new station or has simply moved to Bambamarca from its former location in Juanjui. (HJ) This station used to operate in the 90 meter band some years back. (Krueger, DXSF) Must have been a while ago as its not listed in my WRTH's that go back to 1978. (HJ)

*Radio Reina de la Selva*, 5486.5 kHz. The ID for this one was thought to be Radio Popular, but perhaps that is just a slogan. Slogan is "Estereo 100, la radio mas joven. Address is Jr. Ayacucho 761, Chachapoyas. (Klemetz, DXSF via HJ)

*Radio Ritmo*, 5602 kHz, is the ID of this station located in Puerto Maldonado. (Klemetz Play-Dx via HJ)

*Radio Santa Rosa*, 6045 kHz, has reactivated since the end of February. Heard with a fair signal around 1030 UTC. (HJ) This station is very irregular on shortwave. Radio Santa Rosa was inaugurated on October 15, 1958 and pertains to the Order "Padres Dominicos". The studios are installed in the "Covento de Santo Domingo" and the transmitter has a power of 3 kW. (Camporini DX'ers Calling via HJ)

*Radio Cuzco* moved from 6191.7 to 6203.5 kHz; heard 1030 with Peruvian music & good signals, since 3/15. (Mikio Yamada, Japan)

**PHILIPPINES** - Staff at *Far Eastern Broadcasting Corp.*'s MW outlet in Zamboanga have been given police protection because of attacks by Moslem extremists. (Herbert Visser and Andy Sennitt on RNMN 4/1) [An FEBC house organ reported some time ago that one employee had been fatally shot.--mf]

*R. Veritas Asia* has popped up on the out-of-band freq of 15570 kHz [as heard] at 1530-1600 in Urdu; this one is making it to NA on a daily basis. (Mike Porter, MA, and Andy Sennitt on RNMN 4/1)

**POLAND** - Poland has declared war on pirate radio and TV broadcasters. An investigation has been launched into 47 radio and TV stations operating without licenses. Many firms apparently set up stations before Parliament passed the new broadcasting law. Last week the State Radio Communications agency shut down "Teletop," an illegal station in Gdynia, and cut off the power to Kopernikus TV which had been operating illegally in (Okecie?). Twenty-nine radio and 11 TV stations are operating in accordance with the law. (PAP news agency on DXPL 4/10)

**PORTUGAL** - *Radio Portugal* has a new address: RDP International /Radio Portugal, English Service, Box 1011, Lisbon 1001. (Thomas DXLD via HJ)

**RUSSIA** - Just before the Congress of Deputies session in Moscow at the end of March, the Yeltsin regime assigned police to b/c stations in the Russian Republic "to protect them from interference." (BBC WS) [Oh, if we could solve our QRM problems as



# English Language Shortwave Broadcast Schedules May 1993



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Contributions from NASWA members and broadcasters are welcome. Please fax, email or send schedules and other contributions by the monthly deadline of Wednesday before the last Saturday of the month. Broadcasters, please place us on your mailing list.

Prepared 4/25/93 at 12:43 PM.

This month, thanks to William Bergandano (NJ), Ralph Brandi (NJ), Ed Evans (CSM), Hans Johnson (MD), Jon Klinedinst (PA), J. Lackmann (VA), Adam Lock (WWCR), Jonathan Marks (R Netherlands), Richard Measham (BBCM), Andy Sennitt (WRTH) and Norm Williams (WEWN).

## Notes

Unless you were traveling for a month, your radio was broken or you've been on another planet, you know that WWCR burned to the ground early Sunday morning April 4. The building, studios, offices, and transmitters were a total loss. Fortunately no one was hurt. It was probably arson, but the culprits are unknown. The AM transmitter was back on the air in a few days (at low power) with borrowed equipment. The first transmitter placed in service, expected early May, will probably carry Dr. Gene Scott programming due to contracts. The second transmitter, expected a few weeks later, will carry the variety of other shows as in the past. Some of the other shows have found temporary homes on WRNO and WHRI and, I think, WINB.

From April 24 Glenn Hauser's *World of Radio* began new airings on WHRI on 7315: UT Sa 0030 and UT Mo 0300. *DX Daily* continues on WHRI UT Tu-Sa 0130, repeated 0600 except Sa 1400.

WEWN was running parts of Program A and D during April, so we've included the English segments for three transmitters although only two are running at the moment. The pirates on 7415 are now getting squeezed rather badly with the VOA on 7405 and WEWN on 7425 during the evening hours.

Jon Klinedinst tells us that WINB was sold, and we can probably expect some new programming, target areas and frequencies.

Ed Evans: "Effective this Monday (April 26-ed), the three SW stations of the Christian Science Monitor will begin

programming with station ID's at 10 seconds BEFORE the top of the hour. This change is being made to allow for some expected programming changes in schedules to occur later in the month or early next month." More information to follow...

Radio Vlaanderen Int'l made a mid-season move from 15530 to 15540 for the morning (in USA) releases to NAM. Also at 18 UT Sundays 15540 to Africa was dropped, and the frequency is used for a broadcast to the Belgian troops in Somalia. On following up a Eugene Gebruers' tip from the April 25 edition of *Radio World*, I found R Baku had a decent signal on new 15240 at 17-18 to Europe.

## Computer Stuff

GeoClock for the PC platform has been upgraded to version 5.0. Aside from new control features and better mouse support, there are a host of new maps now available. Large-scale detail maps of Africa and the seAsia theatres are a boon to those of us who chase sunset/sunrise DX down in the tropical bands. There's a new, elegant screen saver in the form of a revolving globe too (GeoGlobe 1.0). Inquiries go to GeoClock, 2218 N. Tuckahoe St., Arlington, VA 22205-1964, or call the GeoClock BBS at 703-241-7980.

Following up on last month's item, Ralph Brandi says those on Usenet can get the *RFERL Daily Report* from *misc.news.east-europe.rferl*.

The *Journal* is late this month. Your Executive Director opted to delay the publication until I could get this column and data together. My debilitating back is the cause, as I was unable to sit at a desk long enough to plow through postal and electronic mail and work at the computer.

After two months of drugs and pain without improvement, the doctor finally ordered me to physical therapy. It has not been fun.



Authorized Dealer <b>JRC</b> & Skywaves Antennas	<b>PC Software by W2XQ</b> English Language SWBC Schedules JRC/Kenwood Receiver Control Utility Logbook	Send #10 SASE (2 IRCs) for catalog or download off the Pics OnLine! BBS at 609-753-2540.
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TRS CONSULTANTS, PO Box 2275-NA, VINCENTOWN, NJ 08088-2275

English Language Schedules  
By Start Time, As of  
April 25, 1993  
Compiled by Thomas R. Sundstrom, W2XQ

Start Time (UTC)	End Time (UTC)	Country	Station	Freq. #1	Freq. #2	Freq. #3	Freq. #4	Freq. #5	Freq. #6	Freq. #7	Freq. #8	Target Area	Notes	Record Last Updated
0000	0100	Bulgaria	R Bulgaria	15330	11720							NAm		3/28/93
0000	2400	Canada	CFCX	6005								Canada	relay CFCF-600	1/27/92
0000	2400	Canada	CFRX	6070								Canada	relay CFRB-1010	1/28/91
0000	0100	China	China R Int'l	11715	9770							wNAmeNA	#1&2 v Mali	9/1/91
0000	2400	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375				LAmvNA	#1,2&3 USB	3/20/93
0000	0200	Cuba	R Havana	9815	6010							eNA	#1 USB-may run to 05	1/23/93
0000	0027	Czech	R Prague	17535	13715	11990	9810	3485	7345			AusAs/eAl/ME/NA		4/24/93
0000	2400	Ecuador	HCJB	21455								Worldwide	USB: Eng exc 90 min	2/27/93
0000	0030	United Kingdom	BBC	15070	12095	9915	9590	7325	6175	5975		WS: NAmvCAm/Carib		11/24/92
0000	0200	N Mariana Is	KHBI	17865	17555							JapaneUSSR/seAs/Phi	355/270 deg#1 Sa-Su	2/13/92
0000	0050	North Korea	R Pyongyang	15130	13760	11335						Am		11/22/92
0000	0030	Norway	R Norway Int'l	15165	9675							SAmvNA	Mo only	3/14/93
0000	0230	Philippines	FEBC	15450								seAs/India		10/15/91
0000	0100	Russia	R Moscow Int'l	21690	21625	17860	17570	17580	15470	11805	9815	World Service	#9 0030-	3/30/93
0000	0100	Spain	Spanish National Radio	9530								NAm		11/8/91
0000	0030	Switzerland	Swiss R Int'l	17730	12035	9885	9650	6135				NAmvCA	#1 v Brazil	9/25/92
0000	0100	Ukraine	R Ukraine Int'l	15580	15195	11720	9640	9550	7240	7195	7150	NAmvEu	as hrd, not all ann	3/28/93
0000	1600	USA	KTBN	7510								eNA		9/25/92
0000	0100	USA	VOA/Am	15205	15120	11695	11580	9775	9455	7405	6130	Americas/Caribbean	alt pgm #3,6,8	8/7/92
0000	0030	USA	VOA/E As	17820	17735	15305	15290	15185	11760	9770	7215	eAs/seAs/Pac		4/24/93
0000	0200	USA	WCSN	9850								c&sAl	90 deg	12/23/91
0000	2400	USA	WJCR	13595	7490							neNAmeEu/ME/CA/SA		12/9/92
0000	0200	USA	WSHB/1	13760								SAm	167 deg	9/22/91
0000	0200	USA	WSHB/2	5850								e&cNAmeCar	25/173 deg	11/5/92
0000	0700	USA	WWCR/1	7435								Eu/ME/nAl	fire 4/4joff air	4/4/93
0000	0100	USA	WYFR	6085								NAm	Network Tu-Su	3/24/93
0000	0600	USA	WHRI	9495	7315							Carib/eNA	157/42 deg	3/25/93
0000	0030	Australia	R Australia	17840	17750	15365	15320	13605				As/Pac/PapNG		3/22/93
0000	0100	USA	WEWN	7425								NAm	tx#1-270 dg	4/18/93
0030	0430	Ecuador	HCJB	21455	17490	15155	9745					NAm	#1&2 USB	3/27/93
0030	0230	United Kingdom	BBC	12095	9915	9590	7325	6175	5975			WS: NAmvCAm/Carib		4/15/92
0030	0130	Iran	V of Islamic Rep of Iran	15260	11790	9022						NAm		11/22/92
0030	0127	Netherlands	R Netherlands	13700	11835	11655	9860	9825	6165	6020		sAs/eNA	2&6 Bon 3&4 Maj 5 Alm	3/14/93

0030	0130	South Korea	R Korea	15575										Am		11/2/92
0030	0100	Yugoslavia	R Yugoslavia	11870	9580									NAm		3/31/93
0030	0100	Australia	R Australia	21740	17880	17840	17750	15365	15320	15240	13605			As/Pac/PapNG		3/22/93
0030	0100	USA	VOA/E As	17820	17735	15290	15185	11760	9770	7215				eAs/seAs/Pac		4/24/93
0040	0055	Venezuela	R Nacional de Venezuela	9540										SAm	news/Eng Tu-Su	6/6/91
0100	0130	Czech	R Prague	17535	13715	11990	9810	9485	7345					AusAs/eAl/ME/NAm		4/24/93
0100	0120	Italy	RAI	11800	9575									NAm		3/19/88
0100	0200	Japan	R Japan	17845	17775	17810	15195	11860	11840	5960				GOS/Asia/NAm	#6 Sri Lanka #7 Can	4/21/93
0100	0130	Norway	R Norway Int1	9615										NAm	Mo only	3/14/93
0100	0200	Russia	AWR Russia	11855										nIndia	v Novosibirsk	4/3/92
0100	0200	Russia	R Moscow Int1	21690	21625	17860	17570	17560	15470	15425	11905			World Service		3/30/93
0100	0200	Spain	Spanish National Radio	9530										NAm		11/8/91
0100	0130	Sweden	R Sweden	11820	9695									As/Pac		3/16/93
0100	0200	USA	VOA/Am	15205	15120	11580	9775	9455	7405	6130	5995			Caribbean/Americas		8/30/91
0100	0300	USA	VOA/S As	21550	17740	15160	11705	7205	7115					sAs	7651 USB	3/27/93
0100	0300	USA	WYFR	15440	9505	6085								NAm	#2&3 Network Tu-Su	3/24/93
0100	0130	Uzbekistan	R Tashkent	11975	9755	9740	7335	7325	5955					As		11/16/92
0100	0127	Slovakia	R Slovakia Int1	9810	7310	5930								NAm		4/3/93
0100	0150	Germany	R Deutsche Welle	15105	13770	13610	11865	11810	9765	9700	9565			NAm		4/20/93
0100	0200	USA	WEWN	13710	7425									India/NAm	tx#3-20 dg tx#1-270	4/18/93
0100	0159	Canada	R Canada Int1	11940	11845	9755	9535	6120						USA/LAM	#1&2&4-1st 30m Tu-Sa	3/20/93
0100	0200	Australia	R Australia	21740	17880	17840	17750	15365	15320	15240	11880			As/Pac/PapNG		3/22/93
0100	1100	USA	WWCR/3	5810										Eu/ME/nAl	fire 4/4 off air	4/4/93
0130	0155	Albania	R Tirana	11840	9580									NAm		9/28/92
0130	0200	Austria	ORF	9880	9870	6015								NAm/SAm		3/23/93
0130	0140	Greece	V of Greece	11645	9420	9375								NAm	News/Eng	3/27/93
0130	0227	Netherlands	R Netherlands	13700	12025	11655	9860							sAs	#2 Alma Ata #3&4 Mad	3/14/93
0130	0200	Portugal	R Portugal	11840	9705	9600	9570							SAm/NAm	Tue-Sat	4/20/93
0130	0200	Yugoslavia	R Yugoslavia	9580										NAm		3/28/93
0145	0215	Finland	R Finland	15185	11755									NAm		4/19/93
0145	0200	Vatican State	Vatican Radio	9650	7125									As/AusNZ		4/24/93
0200	0300	Argentina	RAE	11710										Americas	Tu-Sa	3/20/93
0200	0400	Bulgaria	R Bulgaria	11765	9850									NAm/Eu		3/28/93
0200	0400	Cuba	R Havana	9655	6010									cNAm/eNAm	#1 moving to 22m	4/11/93
0200	0330	Egypt	R Cairo	11865	9475									NAm		10/15/92
0200	0300	Guam	KSDA	13720										China	Sa-Su   300 deg	4/4/92
0200	0300	Hungary	R Budapest	11910	9835	6110								NAm	may use 15220 UT Mo	4/20/93
0200	0630	Italy	Italian Radio Relay Serv	7125										NAm/AusNZ	test	1/1/93
0200	0400	N Mariana Is	KHBI	17865	17555									Japan/eUSSR/seAs/Ph	355/270 deg Sa-Su	2/13/92
0200	0230	Norway	R Norway Int1	11925	9565									NAm	Mo only	3/14/93
0200	0255	Romania	R Romania Int1	11940	11830	9570	9510	6155	5990					NAm		11/8/90
0200	0300	Russia	R Moscow Int1	15425	11805	9765	9480							World Service	Low MUF condx...	3/30/93
0200	0300	South Africa	Channel Africa	9730										e&cAl		3/2/93



0400	0500	China	China R Int'l	11840	11680								wNAM	#1 Can #2 Fr Guin	3/21/93
0400	0430	Czech	R Prague	17535	13715	11990	9810	9485	7345				AusAs/eAI/ME/NAM		4/24/93
0400	0450	Germany	R Deutsche Welle	13770	13610	11765	11705	9765	9565	7225	7150		s&c&eAI/ME		4/20/93
0400	0415	Israel	Kol Israel		9435								wEu/NAM		3/21/93
0400	0600	N Mariana Is	KHBI	17780	17555								eAs/seAs/Phil	340/270 deg #2 Sa-Su	2/13/92
0400	0450	North Korea	R Pyongyang	17765	15230	15180							seAs		7/15/90
0400	0430	Norway	R Norway Int'l	15175	11870	11865	9740						ME/wNAM	Mo only	3/23/93
0400	0425	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990				NAM		11/8/90
0400	0500	Russia	R Moscow Int'l	17860	15470	15425	15280	13650	12070	9880	9765		World Service	Low MUF condx...	3/30/93
0400	0500	South Africa	Channel Africa	9695	3995								wAI/sAI		3/2/93
0400	0430	Switzerland	Swiss R Int'l	13635	12035	9860	6135						wNAM		9/25/92
0400	0430	USA	VOA/AI	9885	9575	7405	7280	7265	6155	6065			Africa		3/27/93
0400	0430	USA	VOA/ME	15205	11965	7200	7170	6140	6040	5995			ME/nAI/Eu	6873 LSB -0700	3/27/93
0400	0600	USA	WCSN	9840									sAI	105 deg	12/23/91
0400	0700	USA	WMLK	9465										Mo-Sa	8/30/89
0400	0600	USA	WSHB/1	9870									Mex	230 deg	12/23/91
0400	0600	USA	WSHB/2	9455									wNAM	315 deg	2/25/93
0400	0500	Cuba	R Havana	9655	6180	6010							cNAM/vNAM	#1 -0430	11/21/92
0400	0500	USA	WRNO	7395									NAM/CAm		12/23/92
0400	0429	Canada	R Canada Int'l	15445	15275	11905	9605						ME	v Eu rlys	3/20/93
0400	0530	Australia	R Australia	21740	21595	21525	17795	17715	17670	15365	15320		As/Pac/PapNG	17900 to Somalia	3/25/93
0425	0440	Italy	RAI	7275	5990								Mediterranean		12/27/92
0430	0500	United Kingdom	BBC	5975									WS: NAM/CAm/Carib		4/15/92
0430	0500	Russia	AWR Russia	15125									neEu	v Ekaterinoburg	5/23/92
0430	0500	USA	VOA/AI	9575	7405	7280	7265						Africa		3/14/93
0430	0600	USA	VOA/ME	15205	11965	7300	7170	6140	6040	5995	3980		ME/nAI/Eu		3/27/93
0430	0450	Finland	R Finland	15440	11755	9665	6120						Eu	#3&4 Su only	4/20/93
0445	0515	Sri Lanka	SLBC	15425	9720								wNAM	Tu	3/26/92
0500	0700	Cuba	R Havana	9510									wNAM		12/11/92
0500	0730	United Kingdom	BBC	9640	5975								WS: NAM/CAm/Carib		9/28/91
0500	0550	Germany	R Deutsche Welle	13610	11705	9670	9605	9515	6130	5960			NAM		4/20/93
0500	0600	Japan	R Japan	17810	15410	15230	11740	11725	9725	7230	6085		GOS/As/NAM/Eu	#6 Can #7&8 v UK	4/4/93
0500	0700	Nigeria	V of Nigeria	7255									wAI		7/23/91
0500	0600	South Africa	Channel Africa	11745									wAI		3/2/93
0500	0600	Spain	Spanish National Radio	9530									NAM		11/17/91
0500	0600	USA	VOA/AI	15600	12080	9575	7405	6035					Africa		3/27/93
0500	0600	USA	WYFR	13695	11725	11580	5985						Eu/AI/NAM	#4 Network Tu-Sa	3/24/93
0500	0530	Vatican State	Vatican Radio	17730	15090	11625							e&sAI		4/20/93
0500	0530	Switzerland	Swiss R Int'l/EU	9535	6165	3985							Eu		12/26/92
0500	0529	Canada	R Canada Int'l	17840	11775	9750	7295	6150	6050				AI/Eu	M-F/v Eu rlys	3/20/93
0500	0700	Ecuador	HCJB	21455	11925								NAM	#1 USB	3/21/93
0500	0600	Russia	R Moscow Int'l	17860	15470	15425	13650	12055	11790	9880	9765		World Service	Low MUF condx...	3/31/93
0501	0520	Vatican State	Vatican Radio	7250	6245								ME/Eu		4/20/93



0700	0750	North Korea	R Pyongyang	17765	15340					seAs		7/15/90	
0700	0800	Russia	AWR Russia	11855						Pakistan	v Nobosibirsk	4/3/92	
0700	0800	Taiwan	V of Free China	5950						NAM	via WYFR	8/5/89	
0700	1100	Lebanon	Wings of Hope	11530						ME	M-F (Sa -08)	11/27/92	
0700	0900	USA	WWCR/1	9370						Eu/ME/nAI	fire 4/4joff air	4/4/93	
0700	0730	Australia	R Australia	21740	21595	21525	17750	17715	17695	15365	15320	As/Pac/PapNG	3/22/93
0700	0800	USA	WEWN	9430	9370	9350				wAI/UK/NAM/Hawaii	tx#4 tx#3 tx#1	4/18/93	
0730	0800	Austria	ORF	17870	15410	13730	6155			ME/Eu		3/22/93	
0730	1125	Ecuador	HCJB	21455	11925	9745				sPac	#1 USB	4/9/93	
0730	0800	Italy	AWR Europe	7210						Eu/nAI/ME	v Forti	12/27/92	
0730	0827	Netherlands	R Netherlands	11895	9630					Pacific	v Bonaire	3/26/92	
0730	0757	Czech	R Prague	21705	17725	17535	13600	11990	6055	As/Pac/Eu		4/24/93	
0730	0800	Australia	R Australia	25750	21595	17750	17695	15240	11880	11720	6020	As/Pac/PapNG	3/22/93
0745	0915	Guam	KTWR	15200						seAs/Indon/Phil	Su-Th -0930	9/25/92	
0800	0830	Finland	R Finland	21550	17800					Aus/seAs		4/19/93	
0800	1000	N Mariana Is	KHBI	17555	15665					Japan/Aus/NZ	355/165 deg	2/13/92	
0800	0850	North Korea	R Pyongyang	15230	15180					seAs		7/28/90	
0800	0845	Pakistan	R Pakistan	21520	17900					wEu		10/17/92	
0800	0900	South Korea	R Korea	13670	7550					Eu		10/3/87	
0800	0900	USA	KNLS	7365						As		7/12/92	
0800	1000	USA	WCSN	11705						Eu	60 deg	4/20/93	
0800	1000	USA	WSHB/1	13615						Aus	260 deg	2/13/92	
0800	1000	USA	WSHB/2	9455						cSAm	152 deg	9/22/91	
0800	1000	USA	WHRI	7355	7315					Carib/eNAM	157/42 deg	3/25/93	
0800	0830	Australia	R Australia	25750	21595	17750	17695	15240	9580	9650	5995	As/Pac/PapNG	3/22/93
0800	0900	USA	WEWN	9350						NAM/Hawaii	tx#1-270 deg	4/18/93	
0803	0815	Croatia	Croatian Radio	13830	9830	6145						4/24/93	
0830	0900	Austria	ORF	21490	15450					Aus/As		3/26/92	
0830	0927	Netherlands	R Netherlands	11895						Pacific	v Bonaire	3/27/92	
0830	0857	Slovakia	R Slovakia Int'l	21705	17535	11990	15605			Aus		4/3/93	
0830	0900	Australia	R Australia	25750	21595	17750	17695	9580	9650	5990		3/22/93	
0842	0855	Armenia	R Yerevan	17770	17710					As/Pac/PapNG		4/3/93	
0900	0925	Belgium	R Vlaanderen Int'l	13675	9905	5910				Eu	News/Eng	3/13/93	
0900	1000	China	R China R Int'l	17710	15440	11755				Eu	M-Sa	8/26/91	
0900	0950	Germany	R Deutsche Welle	21680	21650	21600	21465	17820	17780	15410	11715	sPac	4/20/93
0900	1000	Guam	KTWR	11805						Aus/As/s&c&eAI		9/25/92	
0900	1000	Japan	R Japan	17860	15190	11815	11910	11740		Aus/NZ	#5 v Singapore	4/24/93	
0900	1230	Lebanon	King of Hope	6280						GOS/Oc/As	M-F (per WoR #670)	11/27/92	
0900	1100	Philippines	FEBC	11685	9800					ME		10/15/91	
0900	0930	Switzerland	Swiss R Int'l	21820	17670	13685	9560			China/seAs		12/26/92	
0900	1000	Australia	R Australia	21725	15170	13605	9580	9510	5990	AusNZ		3/22/93	
0910	0940	Mongolia	R Ulan Bator	12015	11850					As/Pac/PapNG		10/9/92	
0930	1027	Netherlands	R Netherlands	15470	12065	11895	9720			Oc		3/14/93	
										e&seAs/eAs/AusNZ	#2&4 Boni#1&3 CIS		

0940	0950	Greece	V of Greece	17525						Aus	News/Eng	4/23/93	
1000	1100	China	China R Int'l	17710	15440	11755				sPac		8/26/91	
1000	1100	India	AIR	21735	17895	17387	15050			GOS/meAs/AusNZ		4/23/93	
1000	1030	Israel	Kol Israel	17545						wEu		3/21/93	
1000	1600	Italy	Italian Radio Relay Serv	7125						Eu/nAl/ME	M-F Irregular	1/1/93	
1000	1200	N Mariana Is	KHBI	15665	13625					China/Indon	310/240 deg	4/20/93	
1000	1100	South Africa	Channel Africa	17805						eAl		3/2/93	
1000	1200	USA	VOA/Am	15120	11915	9590	7405			Caribbean/Americas		2/12/93	
1000	1100	USA	VOA/E As	15425	11720	5985				eAs/seAs/Pac		3/29/91	
1000	1200	USA	WCSN	13770						Eu	60 deg   Sa-Su	9/24/92	
1000	1200	USA	WSHB/1	9495						eNAmericas	25 deg	9/22/91	
1000	1200	USA	WSHB/2	9455						cSAM	152 deg	9/22/91	
1000	2400	USA	WWCR/1	15685						Eu/ME/nAl	live 4/4 off air	4/4/93	
1000	1100	USA	WYFR	5950						NAmericas	Network M-Sa	3/26/91	
1000	1030	Vietnam	V of Vietnam	15010	12020	9840				Eu		11/7/89	
1000	1100	USA	WHRI	9850	7355	7315				Caribbean/NAmericas	#1 Su #2 M-Sa	3/25/93	
1000	1200	Guam	KHBN	9820						China		3/17/91	
1000	1100	Australia	R Australia	21725	13605	9580	5995			As/Pac/PapNG		3/22/93	
1000	1100	Russia	R Moscow Int'l	17780	17775	17595	15490	15355	15350	15225	15140	World Service	#1,2,10 1030-
1000	1015	Vatican State	Vatican Radio	21665	15210	11740	7250	6245		Eu	M-Sa	4/24/93	
1020	1030	Vatican State	Vatican Radio	21665	15210	11740	7250	6245		ME/Eu	M-F	4/20/93	
1030	1100	Austria	ORF	21490	15450					Aus/As		3/23/93	
1030	1200	Bulgaria	R Bulgaria	17830	17660	13670				Eu/ME/NAmericas		3/28/93	
1030	1057	Czech	R Prague	15355	11990	9505	7345	6055		Eu		4/24/93	
1030	1100	Italy	AWR Europe	7230						Eu/nAl/ME	v Forli	12/27/92	
1030	1059	South Korea	R Korea	11715						eNAmericas	v Canada	3/14/93	
1030	1055	United Arab Emirate	R Dubai	21605	15435	15320	13675			Eu/nAl		5/6/91	
1030	1127	Netherlands	R Netherlands	15470	12065					e&seAs/FE&eAs	v CIS	3/14/93	
1030	1130	Sri Lanka	SLBC	11835						Aus		1/10/93	
1040	1050	Greece	V of Greece	17525	15650					Japan	News/Eng	10/9/92	
1055	1230	Netherlands Antilles	Trans World Radio	15345	11815					e&sNAmericas/Carib	to 30 Jun	3/28/93	
1100	1200	United Kingdom	BBC	15220	6195	5965				WS: NAmericas/Carib		11/20/92	
1100	1150	Germany	R Deutsche Welle	21600	21465	17860	17800	17715	15410	15370	wAl		4/20/93
1100	1200	Japan	R Japan	15240	11910	6120				GOS/Asia/NAmericas	#3 v Canada	3/14/93	
1100	1200	Jordan	R Jordan	13655						wEu/NAmericas		8/31/91	
1100	1150	North Korea	R Pyongyang	11335	9977	6576				Am		12/2/90	
1100	1120	Pakistan	R Pakistan	21520	17595					wEu	Slow-speed news	3/16/91	
1100	1200	Russia	R Moscow Int'l	17815	17780	17675	17595	15540	15490	15420	15355	World Service	3/28/93
1100	1200	South Africa	Channel Africa	9730						cAl		3/2/93	
1100	1200	South Korea	R Korea	15575	9650	6145				ME/Al/eNAmericas	#2&3 v Canada	3/14/93	
1100	1130	Switzerland	Int'l Red Cross	7210						Eu	last Su/mo	9/21/91	
1100	1130	Switzerland	Swiss R Int'l	21770	17670	15505	13635			Far East		3/26/92	
1100	1200	USA	VOA/E As	15425	15160	11720	9760	6110	5985	eAs/seAs/Pac		3/27/93	



1230	1259	Canada	R Canada Int'l	15195	9660					As	v Japan	3/20/93		
1230	1300	Australia	R Australia	21725	9580	7240	6080	6020	5995	As/Pac/PapNG		3/22/93		
1230	1300	Finland	R Finland	15400	11900					NAm	M-Sa	4/19/93		
1300	1325	Belgium	R Vlaanderen Int'l	17540	15540					seAs/NAM	M-Sa	4/24/93		
1300	1400	China	China R Int'l	15440	11855	11660	9715			Pac/seAs/wNAM		3/21/93		
1300	1400	United Kingdom	BBC	15220	11820	9740	9515	6195		WS: NAm/CAM/Carib		4/15/92		
1300	1400	Finland	R Finland	15400	11900					NAm	Sa-Su	4/3/93		
1300	1325	Israel	Kol Israel	17590	17575	15650	15640	11603	11587	wEu/eEu/NAM/Aus/As		3/21/93		
1300	1350	North Korea	R Pyongyang	15230	13760	11740	9640	9345		seAs/AmV/Eu		3/28/93		
1300	1330	Norway	R Norway Int'l	15270	9590					wAI/Eu	Su only	3/14/93		
1300	1355	Poland	Polish Radio Warsaw	11815	9525	7145	6135			Eu		6/1/92		
1300	1400	Romania	R Romania Int'l	17850	17720	15365	11940			Eu		10/30/92		
1300	1400	Russia	AWR Russia	11855						nIndia	v Novosibirsk	4/3/92		
1300	1400	Russia	R Moscow Int'l	21785	17595	15480	15440	15355	15280	15225	World Service		3/28/93	
1300	1330	Switzerland	Swiss R Int'l	21820	17670	15505	13635	11690	7480	rRseAs/Far East	#5&6 v China	9/24/92		
1300	1400	USA	KNLS	7355						As		9/25/92		
1300	1400	USA	WHRI	11790	9465					Canbr/NAM	157/42 deg	3/25/93		
1300	1600	USA	KJES	11715						wCanada	irregular	10/19/92		
1300	1400	USA	WYFR	17750	13695	11830	6015	5950		NAM	#1&3&5 Network M-Sa	3/24/93		
1300	1630	Lebanon	Wings of Hope	11530						ME	M-F (Su -15)	11/27/92		
1300	1600	Canada	R Canada Int'l	17820	11955					Canbr/USA	Su only	3/20/93		
1300	1430	Australia	R Australia	13755	11855	11800	7240	9580	5995	As/Pac/PapNG		3/22/93		
1302	1502	USA	WYFR	11550						India	v Taiwan	11/3/92		
1320	1630	Jordan	R Jordan	9560						wEu/NAM		5/5/90		
1330	1400	Austria	ORF	15450						As		3/23/93		
1330	1400	Finland	R Finland	15400	11900					NAM	M-Sa	4/20/93		
1330	1500	India	AIR	15120	11760					GOS/seAs		11/10/92		
1330	1625	Netherlands	R Netherlands	17610	13770	15150	9890			sAs	#1&4 Mad	3/14/93		
1330	1355	United Arab Emirate	R Dubai	21605	15435	15320	13675			Eu/nAI		5/15/92		
1330	1400	USA	VOA/E As	15425	15160	9760	6110			eAs/seAs/Pac		3/27/93		
1330	1355	Uzbekistan	R Tashkent	17745	15295	9540	5945			As		4/20/93		
1330	1400	Vietnam	V of Vietnam	15010	12020	9840				eAs		11/7/89		
1330	1359	Canada	R Canada Int'l	21710	21455	17895	17820	15325	15315	11935	11795	Eu/ME/At/eAs	#8,9 Ch #1,3,4 ex Su	3/20/93
1335	1345	Greece	V of Greece	17515	15635					NAM	News/Eng	4/17/93		
1345	1405	Vatican State	Vatican Radio	17525	15090					As/AusNZ		1/17/93		
1400	1500	China	China R Int'l	15135	11855	11815				sAs/wNAM		3/21/93		
1400	1430	United Kingdom	BBC	17840	11820	9740	9515	6195		WS: NAm/CAM/Carib		4/15/92		
1400	1500	France	R France Int'l	17650	15405	11910				Eu/ME/As	#2 v China	11/11/92		
1400	1700	Iraq	R Iraq Int'l	15250						India/Pakistan		1/24/93		
1400	2230	Italy	Italian Radio Relay Serv	7125						Eu/nAI/ME	Sa	1/1/93		
1400	1500	Japan	R Japan	11865	11835	11815	11735	9750	9535	GOS/Am/As	#3 Can #6 Sri Lanka	4/24/93		
1400	1600	Malta	V of the Mediterranean	11925								2/9/92		
1400	1500	Morocco	R-TV Morocco	17595							M-F	9/2/92		

1400	1600	N Mariana Is	KHBI	13625	9530									seAs/India/China	285/310 deg	2/13/92
1400	1500	Russia	R Moscow Int'l	21785	17595	15480	15355	15320	15290	15225	15140			World Service		3/28/93
1400	1500	South Korea	R Korea	9570										seAs		3/15/90
1400	1500	USA	VOA/E As	15425	15160	9760	6110							eAs/seAs/Pac		3/27/93
1400	1500	USA	VOA/S As	15395	15255	9760	9645	7125	6110					sAs		3/27/93
1400	1600	USA	WCSN	15665										Eu	45 deg	4/20/93
1400	1600	USA	WSHB/1	13710										eNAwCar	25/173 deg	2/25/93
1400	1600	USA	WSHB/2	13760										MexwNAM	245/315 deg	4/17/92
1400	1500	USA	WYFR	17750	11830	6015								NAm	#1&2 Network M-Sa	3/24/93
1400	1600	USA	WHRI	15105	9465									Carib/eNAw	157/42 deg	3/25/93
1400	1459	Canada	R Canada Int'l	21710	21455	17895	17820	15325	15315	11935				Eu/ME/Al/eAs	#1,3,4 ex Su	3/20/93
1430	1455	Albania	R Tirana	9760	7155									Eu		4/10/93
1430	1500	Austria	ORF	21490	15450	13730	6155							wAl/Eu/FE		3/23/93
1430	1500	United Kingdom	BBC	17840	11820	9740	9515							WS: NAM/CAwCarib		9/25/92
1430	1500	Portugal	R Portugal	21515										ME	M-F	4/20/93
1430	1530	Australia	R Australia	13755	11855	11800	9770	9580	9560	7260	7240			As/Pac/PapNG		3/22/93
1440	1455	Venezuela	R Nacional de Venezuela	9540										SAm	news/Eng M-Sa	6/6/91
1445	1645	Guam	KTWR	15610										s&seAs	Su -1700	7/3/92
1445	1515	Mongolia	R Ulan Bator	13780	7260									sAs		10/9/92
1450	1515	India	AIR	9950	7412									Home Svc	news/features	1/12/91
1458	1600	Seychelles	FEBA	15330	9810									seAs	Tu-Sa	11/28/91
1500	1600	China	China R Int'l	15135	11815									sAs		3/21/93
1500	1615	United Kingdom	BBC	17840	15260	15205	9740	9515						WS: NAM/CAwCarib		4/15/92
1500	1550	Germany	R Deutsche Welle	21600	17765	17735	13610	11965	9735	7185				s&c&eAl/ME		4/20/93
1500	1600	Japan	R Japan	15355	11865	11815	9750							GOS/Al/NAM/As	#1 Gabon	4/24/93
1500	1550	North Korea	R Pyongyang	13785	9977	9640	9325							Eu/ME/Al		9/19/92
1500	1600	Russia	R Moscow Int'l	17765	17580	15355	15280							World Service		3/28/93
1500	1555	Seychelles	FEBA	11710										seAs	Sa&Su -1540	7/30/92
1500	1530	Sudan	R Omdurman	9165	7200									Regional		3/6/93
1500	1530	Sweden	R Sweden	21500	15270	15240								NA/ME/Al		3/16/93
1500	1530	Switzerland	Swiss R Int'l	21820	17670	15505	13635							ME/eAl		9/25/92
1500	1515	Taiwan	WYFR	11550										India	via VOFC	3/26/89
1500	2130	USA	KCBI	15375										Eu	42 deg	1/27/93
1500	1630	USA	VOA/ME	15255	15205	9700								ME/nAl/Eu	19379 LSB -2200	3/27/93
1500	1700	USA	VOA/S As	15395	15255	9760	9645	7125	6110					sAs		3/27/93
1500	1600	USA	WYFR	17750	11830	6015								NAM	#1&2 Network M-Sa	3/24/93
1500	1600	USA	WEWN	17510										ME	tx#3;35 deg	4/9/93
1500	1530	Czech	R Prague	17535	15605	13600	7345	6055						Al/ME		4/24/93
1530	1600	Austria	ORF	11780										s&seAs		3/23/93
1530	1540	Greece	V of Greece	17525	15650	15630								NAM/nEu	News/Eng ex Su	4/23/93
1530	1600	India	AIR	10330	9950	7412								Home Svc	news/features	7/11/92
1530	1600	Australia	R Australia	13755	11855	11800	9580	9560	7260	7240	6080			As/Pac/PapNG		3/22/93
1530	1545	Finland	R Finland	21550	15240	11820	11755	6120						Eu/ME/Al		4/20/93

1545	1600	Vatican State	Vatican Radio	17865	15090								As/AusNZ		6/7/91
1600	1700	China	China R Int'l	15130	15110	11575							e&sAfR	#1&2 v Mali	3/20/93
1600	1700	France	R France Int'l	17850	17795	17620	15530	12015	11705	6175			AI/ME/Eu	#5&6 v Gabon	11/11/92
1600	1650	Germany	R Deutsche Welle	21680	17810	15595	15105	11785	9875	7225	6170		sAs		4/20/93
1600	1700	Guam	KSDA	11980									India	285 deg	1/11/92
1600	1800	N Mariana Is	KHBI	11580	9355								nIndia/e&sAI/Indon	310/255 deg	4/20/93
1600	1630	Norway	R Norway Int'l	17720	15230								ME/eEu	Su only	3/23/93
1600	1630	Pakistan	R Pakistan	21495	17725	17555	15555	13665	11570				e&seAI/ME	Slow-speed news 1615	10/24/92
1600	1655	Poland	Polish Radio Warsaw	11840	9525	7285							Eu		6/1/92
1600	1630	Russia	AWR Russia	15125									neEu	v Samara	5/26/92
1600	1700	Russia	R Moscow Int'l	17700	15355	15290	11705	9880					World Service		3/28/93
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720	9705										7/1/90
1600	1800	South Africa	Channel Africa	17710	5960								wAI/e&c&sAI		3/2/93
1600	1700	South Korea	R Korea	9870	5975								ME/Al/GOS		11/2/92
1600	1640	United Arab Emirate	R Dubai	21605	15320	13675	11795						Eu/nAI	#1 anncd as 15435	7/3/92
1600	2400	USA	KTBN	15590									eNAM		9/25/92
1600	1700	USA	VOA/AI	17895	15445	15255	13710	11995	11920				AI/nc		3/27/93
1600	1800	USA	WCSN	17510									eAI	75 deg	4/20/93
1600	2300	USA	WRNO	15420									NAmvCAMvEu	20 deg	9/25/92
1600	1800	USA	WSHB/1	13710									eNAMvCar	25/173 deg Sa-Su	2/25/93
1600	2000	USA	WSHB/2	17555									Mex/wNAM	245/315 deg Sa-Su	9/22/91
1600	1700	USA	WYFR	21615	21525	17750	15355	11830	11705				Eu/Al/NAM	#5&6 Network M-Sa	3/24/93
1600	1630	Vietnam	V of Vietnam	15010	12020	9840							AI		3/20/93
1600	1700	USA	WHRI	15105	13760	9465							Carib/eNAM	#2 Suj#3 M-Sa	3/25/93
1600	2200	Lebanon	King of Hope	6280									ME	Su	11/27/92
1600	1700	USA	WINB	15295									Eu/nAI		12/23/92
1600	1630	Australia	R Australia	13755	11855	11800	9580	9560	7260	7240	6060		As/Pac/PapNG		3/22/93
1600	1630	Vatican State	Vatican Radio	17730	15090								AI	SajMass	4/24/93
1615	1745	United Kingdom	BBC	15260	9515								WS: NAm/CAMvCanb		4/15/92
1615	1630	Vatican State	Vatican Radio	9645	7250	6245							ME/eAI/wEu		4/20/93
1620	2200	South Africa	Radio Oranje	3230											3/2/93
1630	1830	Egypt	R Cairo	15255									c&sAI		8/16/90
1630	1700	USA	VOA/ME	17735	15255	15245	15205	9760	6040				ME/nAI/Eu		4/24/93
1630	1657	Canada	R Canada Int'l	9555	7150								India	v China	3/20/93
1630	1700	Australia	R Australia	13755	11880	9580	9560	7260	7240	6060	5995		As/Pac/PapNG		3/22/93
1630	1800	Ecuador	HCJB	21480	21455	17790							Eu	#2 USB	4/9/93
1650	1850	New Zealand	R New Zealand Int'l	6035									Pacific	Mo-Fr	4/24/93
1700	1800	China	China R Int'l	11575	9570	7405							e&sAI		11/22/92
1700	1800	Guam	KSDA	13720									India/eAI	Sa-Su   285 deg	4/4/92
1700	1715	Israel	Kol Israel	17575	11675	11587	7465						AI/wNAMwEu/NAM		3/21/93
1700	2130	Italy	Italian Radio Relay Serv	7125									Eu/nAI/ME	M-Th, F-2230	1/1/93
1700	1800	Japan	R Japan	17775	11865	11815	9750						GOS/ME/nAI/AmvAs	#1 Sri Lanka	4/24/93
1700	1800	Morocco	R-TV Morocco	17815										Sa	9/2/92



1800	2000	USA	VOA/ME	15205	9760	9700	6040	3980						ME/Al/Eu		3/27/93	
1815	1900	Bangladesh	R Bangladesh	12030	9565									Eu/ME		10/31/92	
1830	1900	Austria	ORF	13730	9880	6155	5945							sAl/ME/Eu		3/23/93	
1830	1900	Finland	R Finland	15440	11755	9730	6120							Eu/ME/Al		4/9/93	
1830	1900	Yugoslavia	R Yugoslavia	17710	6100									sAl/Eu		4/22/93	
1830	2200	Lebanon	King of Hope	6280										ME	Sa	11/27/92	
1830	1857	Slovakia	R Slovakia Int'l	9605	7345	5915								wEu		4/3/93	
1830	1900	Australia	R Australia	11910	11880	11855	9580	7260	7240	6080	6060			As/Pac/PapNG		3/22/93	
1840	1850	Greece	V of Greece	17525	15650									sAl	News/Eng ex Su	4/10/93	
1840	1855	Venezuela	R Nacional de Venezuela	9540										SAm	news/Eng M-Sa	6/6/91	
1850	2140	New Zealand	R New Zealand Int'l	11735										Pacific	Su-Fr	4/24/93	
1900	2000	Algeria	R Algiers Int'l	17745	15205	9535								eAl/ME		4/16/93	
1900	2000	Argentina	RAE	15345										Eu/Afr	M-F	3/20/93	
1900	2000	China	China R Int'l	11515	9440									w&nAfr		5/26/92	
1900	2000	Ecuador	HCB	21480	21455	17790	17490							Eu	#2&4 USB	11/14/92	
1900	1950	Germany	R Deutsche Welle	17765	15390	15350	13790	13780	11810	11785	11740			wAl/ME		4/20/93	
1900	1930	Israel	Kol Israel	17575	11675	11603	11587	9435	7465					Al/wNAM/wEu/LA/NAM		3/21/93	
1900	2000	Japan	R Japan	11875	11865	11815	9750	9640						GOS/Oc/Am		4/24/93	
1900	2000	Morocco	R-TV Morocco	11920											Su	9/2/92	
1900	1930	Norway	R Norway Int'l	15365	15355									NAmvCAmvNZ	Su only	3/14/93	
1900	1930	Portugal	R Portugal	17970										Al	M-F	4/20/93	
1900	2000	Romania	R Romania Int'l	9690	7225	7195	6105							Eu		10/30/92	
1900	2000	Russia	AWR Russia	9835										Syria	v Novosibirsk	4/3/92	
1900	2000	Russia	R Moscow Int'l	15355	12015	11770	11630	9880	9610					World Service		3/28/93	
1900	1915	Sierra Leone	SLBS	3316											Sa UN Radio	9/24/92	
1900	2000	Spain	Spanish National Radio	15375										Al		11/2/92	
1900	2000	USA	VOA/Al	17895	17800	15580	15495	15410	13710	11995	11920			Africa		3/27/93	
1900	2000	USA	VOA/E As	15180	11870	9525								eAs/seAs/Pac		9/29/90	
1900	2000	USA	WYFR	21615	15355									Eu/Al		10/24/92	
1900	1930	Vietnam	V of Vietnam	15010	12020	9840								Eu		11/7/89	
1900	2000	South Korea	R Korea	9650										GOS		11/2/92	
1900	2030	Australia	R Australia	11910	11880	11855	11720	9580	7260	7240	6080			As/Pac/PapNG		3/22/93	
1900	2200	Russia	R Galaxy	11880											UN Forces	News/English	4/24/93
1930	1938	Croatia	Croatian Radio	13830	9830	6145									Eu/nAl		11/24/92
1930	2030	Iran	V of Islamic Rep of Iran	15260	9022												3/7/92
1930	2000	N Mariana Is	KFBS	9465													3/7/92
1930	2027	Netherlands	R Netherlands	21590	17605									wAl	v Bonaire	3/27/92	
1930	2025	Poland	Polish Radio Warsaw	9525	7145									Eu		7/23/92	
1935	1955	Italy	RAI	11800	9710	7275								Great Britain		4/8/89	
1940	2010	Mongolia	R Ulan Bator	11850	11790									Eu		10/9/92	
1950	2010	Vatican State	Vatican Radio	7250	5882									Eu		4/20/93	
2000	2100	Bulgaria	R Bulgaria	15330	11720									NAm/Eu		3/28/93	
2000	2100	China	China R Int'l	15110	11715	11500	9920	9440						e&s/Al/w&nAl/Eu	#1&2 v Mali	3/21/93	

2000	2027	Czech	R Prague	9490	7345	7300	6055			Eu		4/24/93		
2000	2100	United Kingdom	BBC	5975						WS: NAm/CAm/Carib		9/23/89		
2000	2015	Greece	V of Greece	9375	7450					Eu	11:ws/Eng	4/3/93		
2000	2200	N Mariana Is	KHBI	9455	9430					Aus/Japan	80/340 deg	4/20/93		
2000	2050	North Korea	R Pyongyang	9977	9640	9345	6576			ME/Al/Eu		1/1/90		
2000	2100	Russia	R Moscow Int'l	15480	11770	11630	9610			World Service	R Aum 2030-	3/30/93		
2000	2130	Sri Lanka	SLBC	15120	9720					Eu		8/24/91		
2000	2030	Switzerland	Swiss R Int'l	15505	13635	12035	9885			Al	#3 v Gabon	9/25/92		
2000	2050	Turkey	V of Turkey	9445						Eu		3/22/93		
2000	2030	USA	VOA/Al	21485	17895	17900	15580	15495	15410	15160	13710	Africa	4/24/93	
2000	2100	USA	VOA/ME	15205	9760	7700	6040			ME/nAl/Eu		3/27/93		
2000	2200	USA	WCSN	15665						Eu	60 deg	4/20/93		
2000	2200	USA	WSHB/1	17510						eNAM/Eu	25 deg	4/20/93		
2000	2200	USA	WSHB/2	17555						eSAM	137 deg	9/22/91		
2000	2200	USA	WYFR	21615	21525	17612	15666			Eu/Al		3/24/93		
2000	2030	Vatican State	Vatican Radio	15090	11625	9645				c&s&wAl		9/22/91		
2000	2100	Indonesia	V of Indonesia	11752	9675					Eu		11/29/92		
2005	2105	Syria	R Damascus	15095	12085					Eu/NAM		2/3/91		
2025	2045	Italy	RAI	11800	9575	7235				Near East		4/24/91		
2030	2200	Egypt	R Cairo	15375						wAl		8/16/90		
2030	2035	Latvia	R Latvia	5935							M-Sa	10/29/92		
2030	2125	Poland	Polish Radio Warsaw	9525	7270	7145	6135	6095				8/19/92		
2030	2100	USA	VOA/Al	21485	17895	17800	15580	15495	15410	13710		Africa	3/27/93	
2030	2100	Vietnam	V of Vietnam	15010	12020	9840						Eu	11/7/89	
2030	2129	Canada	R Canada Int'l	17875	17850	17820	13670	13650	7235	5995		Eu/Al/ME	#6, 7 v UK	3/20/93
2030	2100	Australia	R Australia	11855	11720	9580	7260	7240	6060	5995		As/Pac/PapNG	3/22/93	
2045	2230	India	AIR	15265	11715	11620	9950	9910	7412			GOS/AusNZ/wEu	8/26/91	
2100	2125	Belgium	R Vlaanderen Int'l	9905	5910							Eu	#2 Su only	3/13/93
2100	2115	Cameroon	R Cameroon	5010								news in English	12/4/88	
2100	2200	China	China R Int'l	15110	11715	11500	9920					e&sAl/Eu	#1&2 -2130	3/21/93
2100	2200	Cuba	R Havana	17760								Eu/Al/ME		4/10/93
2100	2130	Czech	R Prague	9490	7345	7300	6055					Eu		4/24/93
2100	2200	United Kingdom	BBC	15070	9590	5975						WS: NAm/CAm/Carib		4/15/92
2100	2150	Germany	R Deutsche Welle	15360	15350	15135	13780	11785	9765	9715	9670	As/Pac/wAl		4/20/93
2100	2110	Ghana	Ghana BC Corp	3366								News in English		12/23/87
2100	2200	Hungary	R Budapest	11910	9835	6110						Eu		3/24/93
2100	2200	Japan	R Japan	15430	11925	11815	9750	9640	6035			GOS/Oc/As/Eu	#2 Gabon/#6 Singapor	4/24/93
2100	2130	Norway	R Norway Int'l	15165								NAM	Su only	3/14/93
2100	2200	Romania	R Romania Int'l	9690	7225	7195	6105	5955				Eu		10/30/92
2100	2200	Russia	R Moscow Int'l	15290	11905	11690	9820	9610	9480	7300	7230	World Service		3/30/93
2100	2200	Ukraine	R Ukraine Int'l	15195	9685	7240	7150	6090				Eu	RUI annts incorrect	3/29/93
2100	0100	USA	KVOH	17775								CAm/Carib	100 deg	7/25/90
2100	2200	USA	VOA/Al	21485	17895	17800	15580	15495	15410	13710		Africa		3/27/93

2100	2200	USA	VOA/E As	17735	15185	11870				eAs/seAs/Pac		9/29/90		
2100	2200	USA	VOA/ME	15205	11960	9760	9700	6040		ME/nAl/Eu		3/27/93		
2100	2130	Yugoslavia	R Yugoslavia	9505	6100					wEu		3/28/93		
2100	2200	Spain	Spanish National Radio	6125						Eu		11/15/92		
2100	2245	USA	WINB	15185						Eu/nAl		12/23/92		
2100	2400	Guam	KHBN	9820						China		9/19/90		
2100	2130	Australia	R Australia	11880	11855	11720	9645	9580	9540	6060	As/Pac/PapNG		3/22/93	
2103	2115	Croatia	Croatian Radio	13830	9830	6145					News/English		4/24/93	
2110	2210	Syria	R Damascus	15095	12085						NAm/AusNZ		7/7/91	
2115	2245	Egypt	R Cairo	9900							Eu		8/16/90	
2115	2130	Sierra Leone	SLBS	3316							Fr&Sa UN Radio		9/24/92	
2130	2155	Albania	R Tirana	11825	9760						Eu		4/10/93	
2130	2200	Austria	ORF	13730	9880	9870	6155	5945			s&wAl/Eu		3/23/93	
2130	2200	Ecuador	HCJB	21455	17790	17490	15270				Eu	#1&3 USB	12/23/92	
2130	2200	Finland	H Finland	15440	11755	6120					seAs/wAl/Eu		4/19/93	
2130	2200	Israel	Kol Israel	17575	11675	11603	11587	9435	7465		LA/wNAm/NAm/wEu		3/21/93	
2130	2200	Lithuania	R Vilnius	9675							Eu		3/22/93	
2130	2200	Australia	R Australia	11880	11855	11720	9645	9540			As/Pac/PapNG		3/22/93	
2140	0700	New Zealand	R New Zealand Int'l	15120							Pacific		4/24/93	
2140	2155	Venezuela	R Nacional de Venezuela	9540							SAm	news/Eng M-Sa	6/6/91	
2142	2156	Armenia	R Yerevan	11960	11920	9450					Eu	News/Eng	4/16/93	
2145	2315	Bulgaria	R Bulgaria	15330	11720						NAm/Eu		3/28/93	
2145	2245	South Korea	R Korea	15575	7550	6480					Eu/ME/Al		11/2/92	
2200	2300	China	China R Int'l	9680	3985						Eu	#1 CIS #2 Swiz-2230	4/3/93	
2200	2300	Cuba	R Havana	6180							Carib/sUSA		11/8/92	
2200	2300	United Kingdom	BBC	15070	9915	9590	7325	5975			WS: NAm/CAm/Canb		12/23/92	
2200	2225	Italy	RAI	11800	9710	5990					Japan		12/27/92	
2200	2400	N Mariana Is	KHBI	15405	13625						China/Japan/Indon	310/240 deg	9/24/92	
2200	2205	Nigeria	R Nigeria	4990								News in Eng	10/11/89	
2200	2300	Russia	R Moscow Int'l	17570	17560	11975	11905	9815	9480		World Service		3/30/93	
2200	2230	Switzerland	Swiss R Int'l	12035	9885	9810	6030				SAm	#1 v Gabon	9/25/92	
2200	2300	Taiwan	V of Free China	21720	17750						Eu	v WYFR	4/7/93	
2200	2250	Turkey	V of Turkey	11895	9445	7185					Eu/NAm/ME		3/22/93	
2200	2400	United Arab Emirate	V of UAE	11885	11710	9770					NAM		3/27/93	
2200	2400	USA	VOA/E As	17820	17735	15305	15290	15185	11760	9770	7215	eAs/seAs/Pac	3/27/93	
2200	2400	USA	WCSN	15665								sEu/wAl	90 deg	4/20/93
2200	2400	USA	WSHB/2	9465								eNAm/Car	25/173 deg	4/20/93
2200	2400	USA	WSHB/1	17555								cSAm	152 deg	4/20/93
2200	2300	USA	WYFR	21525	17612							Eu/Al		3/24/93
2200	0230	USA	KCBI	15725							Canb/SAm	140 deg	1/27/93	
2200	2355	Iraq	R Iraq Int'l	11810							Eu	irregular		3/17/93
2200	2230	Canada	R Canada Int'l	15305	13670	11730	11705	9755	7195	5995	5960	Carib/USA/seAs/Eu	#4 v Japan/#6,7 v UK	3/20/93
2200	2230	Australia	R Australia	17795	15365	15320	11880	11855	11720	9645	9540	As/Pac/PapNG		3/22/93

2230	2330	Sweden	R Sweden	11910	6065						As/Pac/Eu		3/16/93
2230	2259	Canada	R Canada Int'l	13670	9755	7195	5995	5960			Carib/USA/Al/Eu	#3,4 v UK	3/20/93
2230	2300	Australia	R Australia	17795	15365	15320	11880	11855	11720	9645	As/Pac/PapNG		3/22/93
2240	2250	Greece	V of Greece	11645							AusNZ	News/Eng	3/27/93
2242	2256	Armenia	R Yerevan	15385	11945	11920					LAm	News/Eng	4/16/93
2245	2300	Ghana	Ghana BC Corp	4915	3366							rx/English	9/9/90
2245	0045	India	AIR	15145	15110	11745	11715	9910			GOS/As		11/10/92
2245	2305	Vatican State	Vatican Radio	15090	11830	9600					As/AusNZ		4/20/93
2245	2330	USA	WINB	15145							Eu/nAl		12/23/92
2300	2400	United Kingdom	BBC	15070	12095	9915	9590	7325	6175	5975	WS: NAM/CAM/Carib		11/24/92
2300	0100	Guam	KSDA	15610							seAs	255 deg	3/26/92
2300	2400	Japan	R Japan	17810	15430	7140	6125	6050			GOS/As/Eu	#4&5 v UK	4/24/93
2300	2330	Lithuania	R Vilnius	11750							NA/Eu		3/22/93
2300	2350	North Korea	R Pyongyang	13650	11700						Am		2/24/91
2300	2330	Norway	R Norway Int'l	11795	9655						NAM/CAM	Su only	3/14/93
2300	2400	Russia	R Moscow Int'l	21690	21625	17570	17560	15535	11975	11905	9815	World Service	3/30/93
2300	2310	Sierra Leone	SLBS	3316								news/Eng	9/24/92
2300	0300	South Africa	Radio Orion	3230									3/2/93
2300	0400	USA	WRNO	7355							NAM/CAM	Spanish Tu-F	9/25/92
2300	2400	USA	WHRI	13760	9495						eNAM/Eu/Carib	42/157 deg	3/25/93
2300	2400	USA	WEWN	5825							wEu	1x#3:35 deg	2/28/93
2300	2359	Canada	R Canada Int'l	15235	13670	11940	9755	7195	5995	5960	Carib/USA/Al/Eu	#5,6 v UK #1,3 SaSu	3/20/93
2300	2400	Australia	R Australia	21740	17795	15365	15320	15240	11880	11720	As/Pac/PapNG		3/22/93
2330	2355	Belgium	R Vlaanderen Int'l	13655	9930						SAM/NAM		3/13/93
2330	0027	Netherlands	R Netherlands	6165	6020						eNAM	#1 v Bonaire	9/22/92
2330	0100	Palau	KHBN	9830									9/22/92
2330	2400	Sri Lanka	SLBC	15425							wNAM	Mo	3/26/92
2330	2400	Vietnam	V of Vietnam	15010	12020	9840					Eu		11/7/89
2330	2345	USA	WINB	15145							Eu/nAl	Sa-Tu&Th	12/23/92
2335	2345	Greece	V of Greece	11645	9425	7450					SAM/CAM	News/Eng ex Sa	10/9/92
2345	0300	USA	WINB	15145							SAM		12/23/92

English Language DX Shows  
 By Day of Week  
 As of April 25, 1993  
 Compiled by Thomas R. Sundstrom, W2XQ

Day	Program	Show Start Time	Xmsn Start Time	Country	Station	Freq. #1	Freq. #2	Freq. #3	Freq. #4	Freq. #5	Freq. #6	Freq. #7	Freq. #8	Freq. #9	Freq. #10	Program Notes	Record Last Updated
Sunday	DX Spot	0015	0000	Spain	Spanish National Radio	9530											1/23/93
Sunday	SW Merry-Go-Round	0015	0000	Switzerland	Swiss R Int1	17730	12035	9885	9650	6135							3/26/92
Sunday	DX Party Line	0040	0030	Ecuador	HCJB	21455	17490	15155	9745								3/29/91
Sunday	DX Spot	0110	0100	Spain	Spanish National Radio	9530											1/23/93
Sunday	Communications World	0110	0100	USA	VOA/Am	15205	15120	11580	9775	9455	7405	6130	5995				9/29/90
Sunday	DXers World Meeting	0113	0100	Germany	R Deutsche Welle	15105	13770	13610	11865	11810	9765	9700	9565	6145	6085	Su after last Sa/mo	5/17/91
Sunday	DXers Unlimited	0130	0000	Cuba	R Havana	9815	6010									w/in Rpt frm Austria	9/29/92
Sunday	SW Panorama	0145	0130	Austria	ORF	9880	9870	6015									3/23/93
Sunday	World of Radio	0200	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375							6/21/92
Sunday	World of Radio	0200	2300	USA	WRNO	7355											3/26/93
Sunday	DX Asiawaves	0215	0200	Guam	KSDA	13720											4/15/92
Sunday	SW Merry-Go-Round	0215	0200	Switzerland	Swiss R Int1	12035	9865	9650	6135								3/26/92
Sunday	DX Party Line	0240	0030	Ecuador	HCJB	21455	17490	15155	9745								3/29/91
Sunday	Radio Corner	0240	0200	Taiwan	V of Free China	15345	11860	11740	9765	9680	5950					last Su/month	5/3/92
Sunday	DX Mailbag	0245	0200	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990						5/23/92
Sunday	DX World	0250	0200	Hungary	R Budapest	11910	9835	6110									5/23/92
Sunday	DXers World Meeting	0313	0300	Germany	R Deutsche Welle	15205	13790	13770	13610	11890	11810	9700	9640	6145	6085	Su after last Sa/mo	5/17/91
Sunday	DX Radio Tips	0320	0300	Turkey	V of Turkey	9445											3/22/93
Sunday	DXers Unlimited	0330	0200	Cuba	R Havana	9655	6010										9/29/92
Sunday	Bonaire Wavelengths	0330	0255	Netherlands	Trans World Radio	11930	9535										5/31/89
Sunday	Radio Corner	0340	0300	Taiwan	V of Free China	15345	11740	9765	9680	5950						last Su/month	5/3/92
Sunday	SW Panorama	0345	0330	Austria	ORF	9870	6015									w/in Rpt frm Austria	3/23/93
Sunday	Calling All Listener	0415	0400	Czech	R Prague	17535	13715	11990	9810	9485	7345						5/23/92
Sunday	SW Merry-Go-Round	0415	0400	Switzerland	Swiss R Int1	13635	12035	9860	6135								3/26/92
Sunday	DX Party Line	0510	0500	Ecuador	HCJB	21455	11925										11/4/90
Sunday	DX Spot	0510	0500	Spain	Spanish National Radio	9530											1/23/93
Sunday	DXers World Meeting	0513	0500	Germany	R Deutsche Welle	13610	11705	9670	9605	9515	6130	5960				Su after last Sa/mo	5/17/91
Sunday	Media Roundup	0530	0500	Japan	R Japan	17810	15410	15230	11740	11725	9725	7230	6085				3/30/93
Sunday	SW Panorama	0545	0530	Austria	ORF	6015										w/in Rpt frm Austria	3/23/93
Sunday	DXers Unlimited	0630	0500	Cuba	R Havana	9510											9/29/92

Sunday	SW Panorama	0645	0630	Austria	ORF	6015						w/in Rpt frm Austria	3/23/93
Sunday	DX Party Line	0735	0030	Ecuador	HCJB	21455	17490	15155	9745				11/4/90
Sunday	Radio Corner	0740	0700	Taiwan	V of Free China	5950						last Su/month	5/3/92
Sunday	SW Panorama	0745	0730	Austria	ORF	17870	15410	13730	6155			w/in Rpt frm Austria	3/23/93
Sunday	SW Feedback	0835	0800	South Korea	R Korea	13670	7550						2/26/89
Sunday	SW Panorama	0845	0830	Austria	ORF	21490	15450					w/in Rpt frm Austria	3/23/93
Sunday	Hello There	0915	0630	Italy	Italian Radio Relay Serv	7125						mailbag show	9/29/92
Sunday	World of Radio	1000	0000	Costa Rica	R for Peace Int1	21465	15030	13630	7385	7375			8/7/92
Sunday	SW Feedback	1033	1030	South Korea	R Korea	11715							3/14/93
Sunday	SW Panorama	1045	1030	Austria	ORF	21490	15450					w/in Rpt frm Austria	3/23/93
Sunday	SW Feedback	1135	1100	South Korea	R Korea	15575	9650	6145				Only on freq #1.	3/14/93
Sunday	SW Panorama	1145	1130	Austria	ORF	13730	6155					w/in Rpt frm Austria	3/23/93
Sunday	DX Programme	1200	1200	Uzbekistan	R Tashkent	17745	15295	9540	5945			Su after 2nd Sat/mo	11/5/88
Sunday	SW Feedback	1250	1215	South Korea	R Korea	9750							10/28/90
Sunday	DX Corner	1315	1300	Israel	Kol Israel	17590	17575	15650	15640	11603	11587		3/21/93
Sunday	SW Panorama	1345	1330	Austria	ORF	15450						w/in Rpt frm Austria	3/23/93
Sunday	Media Roundup	1430	1400	Japan	R Japan	11865	11835	11815	11735	9750	9535		3/30/93
Sunday	SW Feedback	1435	1400	South Korea	R Korea	9570							11/5/88
Sunday	Hello There	1530	0630	Italy	Italian Radio Relay Serv	7125						mailbag show	9/29/92
Sunday	SW Feedback	1635	1600	South Korea	R Korea	9870	5975						11/5/88
Sunday	Media Roundup	1730	1700	Japan	R Japan	17775	11865	11815	9750				3/30/93
Sunday	DX Asiawaves	1815	1800	Guam	KSDA	13720							4/15/92
Sunday	DX Corner	1915	1900	Israel	Kol Israel	17575	11675	11603	11587	9435	7465		3/21/93
Sunday	SW Feedback	1935	1900	South Korea	R Korea	9650							11/2/92
Sunday	World of Radio	2030	1600	USA	WRNO	15420							3/26/93
Sunday	DX Program for...	2045	2000	Bulgaria	R Bulgaria	15330	11720						3/28/93
Sunday	Media Roundup	2130	2100	Japan	R Japan	15430	11925	11815	9750	9640	6035		3/26/92
Sunday	SW Feedback	2220	2145	South Korea	R Korea	15575	7550	6480					11/2/92
Sunday	Radio Corner	2240	2200	Taiwan	V of Free China	21720	17750					last Su/month	5/3/92
Sunday	World of Radio	2300	0000	Costa Rica	R for Peace Int1	21465	15030	13630	7385	7375			3/27/92
Monday	DX Program for...	0045	0000	Bulgaria	R Bulgaria	15330	11720						3/28/93
Monday	SW Feedback	0105	0030	South Korea	R Korea	15575							11/2/92
Monday	Media Roundup	0130	0100	Japan	R Japan	17845	17775	17810	15195	11860	11840	5960	3/30/93
Monday	World of Radio	0300	0000	USA	WHRI	9495	7315					only on 7315	4/22/93
Monday	Mailbag	0430	2140	New Zealand	R New Zealand Int1	15120						biweekly	4/24/93
Monday	Radio World	0635	0630	Belgium	R Vlaanderen Int1	9925	5910						3/13/93
Monday	SW Feedback	0635	0600	South Korea	R Korea	15155	11945	7275					9/30/90
Monday	World of Radio	0700	0000	Costa Rica	R for Peace Int1	21465	15030	13630	7385	7375			3/27/92





Friday	Media Network	0250	0230	Netherlands	R Netherlands	13700	12025	11655	9860			3/26/92
Friday	Media Network	0350	0330	Netherlands	R Netherlands	9590	6165					3/17/89
Friday	DX Daily	0600	0000	USA	WHRI	9495	7315					3/20/93
Friday	DX Show	1545	1530	Portugal	R Portugal						tri-weekly	11/5/92
Friday	DX Show	1815	1800	Portugal	R Portugal	11745					tri-weekly	4/10/93
Friday	Mailbag	1930	1850	New Zealand	R New Zealand Int'l	11735					biweekly	3/15/92
Friday	World of Radio	2000	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		3/27/92
Friday	DX Show	2015	2000	Portugal	R Portugal						tri-weekly	5/23/92
Friday	Mailbag	2030	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		7/3/92
Friday	DX News	2150	2100	Hungary	R Budapest	11910	9835	6110				5/23/92
Saturday	World of Radio	0030	0000	USA	WHRI	9495	7315				only on 7315temp	4/22/93
Saturday	DX Daily	0130	0000	USA	WHRI	9495	7315				only on 7315	3/20/93
Saturday	DX Show	0245	0230	Portugal	R Portugal						tn-weekly	5/23/92
Saturday	DX News	0250	0200	Hungary	R Budapest	11910	9835	6110				5/23/92
Saturday	World of Radio	0400	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		3/27/92
Saturday	SW Merry-Go-Round	0615	0600	Switzerland	Swiss R Int'l	17565	13635	9860				3/26/92
Saturday	Radio World	0635	0630	Belgium	R Vlaanderen Int'l	9925	5910					3/13/93
Saturday	DX Party Line	0735	0700	Ecuador	HCJB	21455	11835	6205				5/23/92
Saturday	DX Party Line	0736	0730	Ecuador	HCJB	21455	11925	9745				11/4/90
Saturday	Radio World	0905	0900	Belgium	R Vlaanderen Int'l	13675	9905	5910				3/13/93
Saturday	SW Merry-Go-Round	0915	0900	Switzerland	Swiss R Int'l	21820	17670	13685	9560			3/26/92
Saturday	DX Party Line	1005	0730	Ecuador	HCJB	21455	11925	9745				11/4/90
Saturday	SW Merry-Go-Round	1115	1100	Switzerland	Swiss R Int'l	21770	17670	15505	13635			9/6/86
Saturday	Bonaire Wavelengths	1130	1055	Netherlands	Trans World Radio	15345	11815					5/10/89
Saturday	World of Radio	1200	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		8/7/92
Saturday	Mailbag	1230	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		8/22/92
Saturday	Radio World	1305	1300	Belgium	R Vlaanderen Int'l	17540	15540					3/13/93
Saturday	SW Merry-Go-Round	1315	1300	Switzerland	Swiss R Int'l	21820	17670	15505	13635	11690	7480	3/26/92
Saturday	DX Programme	1330	1330	Uzbekistan	R Tashkent	17745	15295	9540	5945			2nd Sat of month
Saturday	DX Daily	1400	1400	USA	WHRI	15105	9465					3/20/93
Saturday	SW Panorama	1445	1430	Austria	ORF	21490	15450	13730	6155		w/in Rpt frm Austria	3/23/93
Saturday	SW Merry-Go-Round	1515	1500	Switzerland	Swiss R Int'l	21820	17670	15505	13635			3/26/92
Saturday	SW Panorama	1545	1530	Austria	ORF	11780					w/in Rpt frm Austria	3/23/93
Saturday	DX Asiawaves	1615	1600	Guam	KSDA	11980						1/11/92
Saturday	Calling All Listener	1715	1700	Czech	R Prague	17535	15605	13600	9490	7345	6055	3/28/93
Saturday	SW Merry-Go-Round	1715	1700	Switzerland	Swiss R Int'l	17635	15430	13635	9885			3/26/92
Saturday	World of Radio	1800	0000	Costa Rica	R for Peace Int'l	21465	15030	13630	7385	7375		6/21/92
Saturday	Radio World	1805	1800	Belgium	R Vlaanderen Int'l	15540	13685	5910				3/13/93

Saturday	SW Panorama	1845	1830	Austria	ORF	13730	9880	6155	5945	w/in Rpt frm Austria	3/23/93	
Saturday	DX Party Line	1905	1900	Ecuador	HCJB	21480	21455	17790	17490		11/4/90	
Saturday	DX Spot	1910	1900	Spain	Spanish National Radio	15375					1/23/93	
Saturday	DX Mailbag	1945	1900	Romania	R Romania Int'l	9690	7225	7195	6105		9/5/92	
Saturday	SW Merry-Go-Round	2015	2000	Switzerland	Swiss R Int'l	15505	13635	12035	9885		3/26/92	
Saturday	DX Radio Tips	2020	2000	Turkey	V of Turkey	9445				Biweekly	3/22/93	
Saturday	World of Radio	2030	1600	USA	WRNO	15420					3/26/93	
Saturday	DX Party Line	2035	0000	Ecuador	HCJB	21455					2/27/93	
Saturday	Radio World	2105	2100	Belgium	R Vlaanderen Int'l	9905	5910				3/13/93	
Saturday	Communications World	2110	2100	USA	VOA/AF	21485	17895	17800	15580	15495	15410	13710
Saturday	DX Spot	2110	2100	Spain	Spanish National Radio	6125					9/29/90	
Saturday	Calling All Listener	2115	2100	Czech	R Prague	9490	7345	7300	6055		1/23/93	
Saturday	DXers Unlimited	2130	2100	Cuba	R Havana	17760					4/24/93	
Saturday	SW Panorama	2145	2130	Austria	ORF	13730	9880	9870	6155	5945	w/in Rpt frm Austria	3/23/93
Saturday	DX World	2150	2100	Hungary	R Budapest	11910	9835	6110			5/23/92	
Saturday	SW Merry-Go-Round	2215	2200	Switzerland	Swiss R Int'l	12035	9885	9810	6030		3/26/92	
Saturday	DX Radio Tips	2220	2200	Turkey	V of Turkey	11895	9445	7185		Biweekly	3/22/93	
Saturday	DX Asiawaves	2315	2300	Guam	KSDA	15610					1/25/92	
Saturday	Radio World	2335	2330	Belgium	R Vlaanderen Int'l	13655	9930				3/20/93	

simply.--mf] BBC also reported after the Congress session that the Russian Parliament was trying to take over the news media by legislation.--mf

The *Radio Netherlands* relays in the Far East on 12065 and 15470 kHz are putting excellent signals into New Zealand on the spring sked. 12065 is slightly better than 15470. (AC on RNMN 4/8)

A few words about the problem of Radio Moscow QSLs. So far there has been no change in the old procedure; i.e., the sites mentioned in ITU lists and on QSLs do not have too much in common with the ones actually used. Many of the listed sites never existed at all. One of the stations that is renting transmitters in the CIS area said that they got a lot of confusing information before they were able to get firm site details. To mention one example, a large site is located just south of St. Petersburg. In official lists it appears as St. Petersburg, Kingisepp, Konevo, Petrozavodsk (all in Russia) and Orsha (in Belarus). These cities are all in the same general area but except for St. Petersburg site and a couple of ex-jammers used for home services in Petrozavodsk there are no SW transmitters. Kingisepp and Konevo are small towns, the first one located west of St. Petersburg, not far from the Estonian border, and the second one in the Vologda province east of St. Petersburg. As regards Central Asia, it is not (now? [df]) clear that NO foreign service transmitters are located in Kyrgyzstan, i.e. all assignments for Bishkek are false. Instead transmitters at Alma Ata, a site east of Alma Ata, Tashkent and Orzu (Tadzhikistan) are used. (Alm, Dx'ers Calling via HJ)

*Radio (Centra?)*, an independent station, began using Radio Moscow SW facilities late in March. The announced sked is: 0530-0600 on 12010 kHz and from 1530-1600 on 9880 kHz. It can also be heard from 1200-1500 on 1440 kHz MW. The 1530 broadcast on 9880 kHz, on gospel topics, was heard quite well in Japan in April. R. Centra started operation on MW on June 3, 1992. SW broadcasts began in January, and the RM transmitters probably at the end of March. The mailing address is: Andrei Nekrasov, Radio Station Center, Nikolskaya St. 7, Moscow 103012. (Shigenori Aoki and Yoshinori Kato, RJMR 4/11)

R. Vedo, Volgograd, now broadcasts 1400-1830 seven nights a week on new 1467, 7185, 9655, 11760 and 13710 kHz. The morning sked is 0500-0800 on 1161, new 1467, 5915 and 7125 kHz. (Yoshinori Kato on RJMR 4/11)

*Radio Galaxy*, Moscow, is going to begin DX programs in EE and SS in the near future. It will also publish a monthly DX bulletin in EE. It is currently scheduled at 1900-2000 on 9880 kHz. (Francisco Rodriguez, DX Editor, Radio Moscow, via SS on DXPL 4/10)

Z93 VOA relays via Russia: 1400-1500 Mandarin on 7140, 1000 kw from Irkutsk; 1400-1600 Mandarin on 9550, 200 kw from Novosibirsk; 2200-2300 Mandarin on 7400 from Irkutsk; 1300-1400 Korean on 648 MW, 1000 kw from Ussuriysk. (VOA BBS)

**RWANDA** - (Clandestine) - *Radio Muhabura*, 6340 kHz. There is much speculation as the station's actual transmitting site. Some believe that it is in Burundi, which plays host to 250,000 Rwandan refugees. Another likely source is Uganda, the country from which the group running the station, the Rwanda Patriotic Front, launched its invasion in 1990. RFP members have free movement in that country, using it for sanctuary and controlling areas close to that country's southern border with Rwanda. (Echevarria, DXLD via HJ)

**SINGAPORE** - As anticipated, *Radio Japan* has commenced transmissions via one of the BBC relay transmitters here to gain improved coverage of SE Asia - and perhaps specifically to reach an audience of Japanese troops serving with the U.N. in Cambodia. As of April 5th, the General Overseas Service in English and Japanese is aired as follows: on 11860 at 0100-0300, on 11740 at 0500-1000 and on 6035 at 2100-2200. (RNMN / via Bill Westenhaber on WOR, via ODXA)

**SLOVAKIA** - *R. Slovakia International*, Bratislava, appeared on sked in April but the sked is quite different. The English sked is: 1830-1900 on 5915, 7345, and 9605 kHz; 0100-0130 to North America on 5930, 7310, and 9810 kHz. *R. Prague* is on in EE for NA at 0100-0130 on 7345 and 11990 kHz. Slovakia broadcasts to the Pacific at 0830-0900 on 11990, 15605, 17535 and 21705 kHz. 11990 gives good reception in Europe at 0830. (Tony Barrett, UK, on RNMN 4/8)

**SRI LANKA** - *Colombo International Radio* on 882 kHz, a project of the Sri Lanka B/c Corp., has made major changes recently. It began with programs in English, Sinhala and Tamil. Then SLBC advertised for announcers for Telugu and Hindi. Now the station is 100% Tamil, beamed to northern Sri Lanka which is controlled by the radical nationalist Liberation Tigers of Tamil Eelam (LTTE). The LTTE is now alone; all other

Tamil rebel groups have changed sides and fight alongside the Colombo regime against the LTTE. To counter the LTTE's own propaganda in northern Sri Lanka, the Colombo government has set aside one hour daily, 1130-1230, on 882 kHz for the pro-Colombo Tamils. They identify as "Mak'kul koral," which means "The Voice of the People." The 400 kw xmtr at Puttalam is also used by Trans-World Radio from 2230-0130 and 1330-1700 in Indian languages. (VG on RNMN 4/15)

**SWEDEN** - *Radio Sweden* announced 4/7 that the Swedish Parliament's foreign affairs committee seems to have decided to accept the government's proposal to cut the operating budget of Sweden's external radio service by one-third. Parliament was scheduled to vote 4/28. (RNMN 4/8)

**TAHITI** - *RFO Tahiti*, the government station with four SW xmtrs, has the biggest slice of Tahiti's radio audience despite the presence of 30 or 40 FM stations in an area with 210,000 people. Its news director, Jean Remeau Bodin, says RFO's lead is due to its better news coverage, much of it originating in France. When General DeGaulle visited French Polynesia in 1956 he promised its people would never have to pay a radio license fee. 36 years later, they still don't. The most popular local programs are the weather forecasts (which affect local fishing and inter-island boat travel) and the Polynesian equivalent of 'comunicados' or personal messages between family members. In a small community like Tahiti, everyone knows everyone else. RFO Tahiti's SW xmtrs date from World War II or earlier, and are in poor shape; output power is kept to half of actual rated output. RFO Tahiti is also on satellite 24H; the footprint covers almost the entire Pacific ocean. French diplomatic missions thousands of miles away depend on it. Only three SW xmtrs are operating, on 6135, 11827 kHz NF and 15175 kHz NF. RFO hopes for new xmtrs to accompany the construction of new studios in 1995. Bodin supports plans to split RFO Radio and RFO TV, for his own reasons. "Having the same people do radio one day and TV the next is not very good, and besides, the radio is looked upon as the poor guy of the family." He hopes the new regime which came to power in France last month, and wants to merge RFO into Radio France, will allow Radio Tahiti to remain bilingual and independent. (Eric Beauchemin and Andy Sennitt on RNMN 3/25)

**THAILAND** - Jamming has come to the Far East and is pretty severe on a lot of channels. The VOA xmtr in Thailand on

11785 kHz, testing in Chinese, has been wiped out by tremendous jamming. The 1000 kw MW xmtr on 1575 kHz was clear in mid February but in late March jamming began at 1330-1700, including Khmer as well as Mandarin and Cantonese. (AC on RNMN 4/8) [The jamming sounds like ball bearings falling on a carpeted floor.--mf].

Initial Z93 schedule for the test broadcasts from VOA's Udom Relay Station was 1100-1300 on 11820, 1300-1400 on 11785, 1400-1600 on 9590, 1600-1700 on 9615, 2100-2300 on 6045 kHz, all in Mandarin, all beamed 30 degrees. (VOA Frequency Division BBS) A second transmitter is expected to begin testing sometime in May. Check the BBS or computer networks for details. [df]

**TONGA** - *R. Tonga*, Nuku'alofa, 5030 kHz, returned to the air at the end of March and left shortly afterwards. Chris Rogers in Melbourne talked to the chief engineer, who said the transmitter is fine. However, there is a hum on the studio-xmtr phone line which must be fixed. They had been waiting for a new final amplifier tube, which arrived in March. (AC on RNMN 4/8)

Tonga Broadcasting Corp. got its 1 kW transmitter back on the air for a time in February after receiving a replacement final tube. It was first noted reactivated on Feb 13th at 0648 with a church service in English, followed by Radio Australia news at 0700. The signal was good but of course this was logged in New Zealand. Just a few days later, on Feb 16th, it seems Radio Tonga's antenna was brought down by a storm and some airtime was being provided by Radio New Zealand International. Radio Tonga was heard (via RNZI) on 15120 at 0540. The broadcast reverted to RNZI local news at 0600. (Paul Ormandy in New Zealand DX Times / Bill Funk on ODXA Listening Post BBS via Harold Sellers in ODXA)

**TURKEY** - The Turkish government has shut down private FM and TV stations on the grounds that they interfere with the military services and aircraft freqs. Twelve stations in Ankara were raided by the police and their gear was confiscated. The Association of Turkish Broadcasters met 4/3 to decide on a common position. (DXPL 4/10)

**UNITED KINGDOM** - *BBC World Service* has begun broadcasting on the Astra satellite because it's easier for listeners to access; the required equipment is cheaper. It is piggybacking on the "UK Gold" TV channel and is not scrambled. It is expected to take the place of BBC Radio 4 on 198 kHz medium wave, which will disappear in 1994. It should also improve BBC WS reception in

many parts of the UK where skip keeps SW signals out. "Shortwave reception in Scotland is diabolical," the BBC's own spokeswoman said. (RNMN 3/25)

**URUGUAY** - *Radio Monte Carlo*, Montevideo, noted on 11735 at 2000-2200 with local news & pop music; good signals. (Mikio Yamada, Japan)

**U.S.A.** - University Network xmsns via Lebanon and U.S. SW stations can be as much as a minute out of sync. Wings of Hope, Lebanon, is 40 to 60 seconds \*ahead\* of WWCR or KVOH at times. One reason is that promotion must be added for North American SW and TV outlets which are meaningless in Europe or the Near East. (Mike Fern--CA)

The studios and transmitters of WWCR, Nashville, and its sister MW station WNQM, were destroyed by fire early Sunday morning 4/4. One new SW xmtr was expected on the air about 4/25, carrying the University Network [which means a full 24H of revenue, which puts a lot of the staff back to work if they were ever off.]

Listeners in the East and Midwest got their first word from Gary Bourgeois on the ANARC SWL net. [Wonder how they got word to listeners in the target area? df] At least two SWLs found out by checking Dr. Gene Scott's Sunday morning service at 1830 on KCBI, Dallas, after finding WWCR silent. Dr. Scott said the studios and three SW xmtrs burned to the ground. The antennas were undamaged. General manager George McClintock told Dr. Scott Sunday that it might take until mid July to get back on the air. Dr. Scott offered his church's help with the rebuilding.

JM was able to reach WWCR program director Adam Locke on Wednesday after WWCR set up temporary offices.

AL: Saturday evening George McClintock, an engineer from the xmtr maker Allied-Harris, and I were all working on the third brand-new xmtr. We actually got it up on the air in a test mode. I left an hour before they did. They shut everything down. They even hit the breakers so there was no power to the xmtr. They left for the evening. We were all going to come back Sunday morning to continue work on the new xmtr.

About 1:30 Sunday morning I got a call from George, who said "The place is ablaze, come a-running." I got out there about half an hour later. I actually beat a couple of the fire trucks out there, which was surprising. The place was completely in flames. It's a total loss. There really is very, very little salvageable. Maybe a couple of final tubes. I don't know.

JM: Fire officials and insurance investigators have been out at the site in northwestern Nashville to inspect the damage and try and work out why the sprinkler system didn't work. The fire originated between the second and third SW xmtrs at the ground level of the building. The owners of WWCR have already decided to rebuild.

AL: It appears that we will have the first SW xmtr on in about two weeks.

JM: How are you managing to do that?

AL: A SW manufacturer here in the states had a xmtr ready to ship. We are 99% certain we will get that xmtr in the next few days. We will put it down the field on a gravel and cement base with a temporary building, hook it straight up to the rhombic antennas. Our people will just have to go down to the small hill where the building used to be, to do all the adjustments every hour.

JM: Will that be on the European beam?

AL: I believe that will be the one carrying Dr. Scott [beamed to Japan]. The next SW which carries the bulk of our programming should be on the air, we are estimating, in about six weeks. WNQM on 1300 kHz is for all practical purposes on the air. [AM xmtrs can be leased on short notice. "For all practical purposes" means the new xmtr is still in the construction-permit measurement stage which precedes full licensing.--mf]

JM: Locke also reports that the station lost its mailing list in the fire. If you want to re-register, write 1300 WWCR Ave., Nashville, TN 37218.

AL: We probably average ten or more letters per day from the audience around the world. A lot of it, for us, is just the response, the QSL cards, program guides and any other information we'd be glad to send. (RNMN 4/8)

WWCR, Nashville, has a temporary address while awaiting reconstruction of its plant: P.O. Box 1963, Madison, TN 37116. (DXPL 4/11)

Dr. Gene Scott announced an emergency fund drive 4/4 to raise \$1 million to offset the loss of WWCR. The drive to build the SW facility on Anguilla, called Secret Six, was wound up at the end of March. A new fund drive called Secret Seven, to raise \$7 million, whose purpose had not been revealed to church members before Easter, began 3/29. The emergency fund drive was bootstrapped onto the first phase of Secret Seven.--mf

The on-again/off-again *KJES* was expecting to be back on the air from mid March with an intended schedule of 1300-1600 and 1800-1900 on 11715 and

2000-2100 on 9510. (WOR via Harry Riddell via ODXA)

Further to the proposed windup of Radio Free Europe/Radio Liberty there has been considerable editorial support in the American media to retain these services, in part because the VOA is controlled directly by the government, whereas RFE/RL is accountable to an independent citizens board.

However, an opposite view is presented by Dr. Kim Andrew Elliott, the VOA's Audience Research Officer, in an article entitled *International Broadcasting on a Budget*. He supports a merger of RFE/RL into the VOA, pointing out that they share 17 languages in common. He adds that the United States spends more than twice as much as the BBC for international broadcasting while employing only half as many journalists and attracting just half the audience of the BBC. The paper also argues for the creation of a new, autonomous American international broadcaster and argues against the proposed new Radio Free China which, like the VOA, would be under the direct authority of the government. (SCDX Electronic Edition on CompuServe BBS, via ODXA)

**WRMI, Radio Miami International**, Miami, 9955 kHz, expects to be on the air in early May. Work on the station was delayed somewhat by Hurricane Andrew last year. Construction began about April 10, levelling the ground and placing rock fill to support the transmitter building and the antenna tower bases. The 50 kw Wilkinson xmtr from Radio Clarin in Santo Domingo has been in storage; it will be reassembled when the building is up. The deadline on the FCC construction permit is 5/18. Tests could begin around May 1. WRMI is authorized to broadcast between 2200 and 1300 UTC. Test programs will be mainly in Spanish. English programming will be added later. WRMI has already received reception reports despite having no equipment in place. (Jeff White and JM on RNMN 4/15)

**VENEZUELA - Radio Yaracuy**, 4940 kHz, explained that their concession was suspended several years ago due to lack of use and given to Radio Continental. They have no plans to return to shortwave. (Wilkins, NU via HJ)

**VIETNAM - Hanoi's operation on 5031.7** is the domestic service rather than a regional station. Noted carrying the Hmong service at 1200 // 6161. (Clark in NU via HJ)

**Ha Giang (regional) Broadcasting Station** (formerly Ha Tuyen B/S) was audible in North America during the 1991-92 winter season when it was operating on the split

frequency of 4817v. This past winter, however, it had shifted up to 4820 which made reception pretty much impossible, given co-channel QRM from a CIS station. Now it seems, the frequency is drifting as is invariably the case, sooner or later, with these Vietnamese regional outlets. It was tentatively noted [in Australia] on April 4th at 1156 - before listed 1200 s/on, with instrumental music. (David Foster in OZDX / Dave Clark, via ODXA)

In accordance with its usual summer pattern, *Voice of Vietnam* (external service) has dropped 12020 and now uses 15010 [actually on 15009v] //9840 with half-hour English broadcasts scheduled at 1330, 1600, 1800, 1900, and 2030. (RVI Radio World via Harry Riddell) (via ODXA)

**WESTERN SAHARA - (Clandestine) - National Radio for the Democratic Arab-Saharan Republic [Iiha' al-wataniyah lil-jumhuriyah al-'arabiyah al-sahrawiyah al-dimokrutiyyah]**, 11520 kHz, was first heard by Bob Hill. Jerry Berg mailed me a tape of one of their transmissions which I listened to. The Polisario is an Algerian-backed group fighting Morocco for control of the Western Sahara, this former colony was known as Spanish Sahara until 1976 when they gave it up. The Polisario operates on AM on 1544 kHz. I believe that the station I heard on Jerry's tape is this same station with a "new" shortwave outlet. This contrasts with the program *Voice of Free Sahara*, which is currently using 15215 and 9640 at 2200, via Algiers. The station announces that it is on from 0700-2400. It has been heard in Eastern North America from around 2100 until sign off with programs in Arabic. (HJ) 1544 kHz is now in the disputed territory i.e., Western Sahara, per people travelling there; has been via Algeria. (Corbiere DSWCI, SWN via DXLD) It's currently observed in Arabic at 1700-2400. It announces a morning broadcast starting at '0800' (possibly 0700 GMT), but that's not yet confirmed. The radio probably operates from the Tindouf area of Algeria, near the border with Western Sahara, or possibly within the Polisario controlled area of the Sahara. 1544 is believed to replace the former 1355 kHz, which is no longer heard. *National Radio of the SADR* [Arabic: Al-Idha'at al-Wataniyah li al-Jumhuriyah al-Arabiya as-Sahrawiyah], which opposes Moroccan policy on Western Sahara, was first observed by BBCM on MW in December, 1989. (WBI 4/16)

**Conferences - Many Asian, etc., listeners to European broadcasters received new spring skeds which were already out of date. The skeds were printed before the semi-annual SW**

frequency coordination conference, held in Cologne in February. Jan-Willem Drexhage represented Radio Netherlands.

JM: Can too many stations [at the conference] create more problems than they can solve in a meeting lasting four days?

JD: We think it is, of course, difficult, but the coordination conference is getting more and more successful, and that helps a bit. We were together with 22 different participating organizations. So we thought beforehand it would become quite difficult. But the total number of incompatibilities was even not much bigger than last time.

JM: Still, 270 frequencies were being used by two stations at once, resulting in mutual interference. There were 1300 cases where stations were 5 kHz away from each other, causing interference problems on cheap radios. Some of those problems were sorted out during the conference, so many stations made last minute schedule changes. Some horrendous clashes remain [as of 4/7] like three different stations on 15355 kHz at 1555 UTC. It's hoped that more advanced planning can take place. Listeners, after all, need advance schedule information.

JD: This time the Voice of America joined as a full member. Radio Free Europe/Radio Liberty was present as an observer. Next time they will attend as a full member. Other countries like Canada, Italy, Slovak Radio, Norway, Denmark, attended for the first time as observers.

JM: The next time is going to be in Holland.

JD: Yes. This coming August we'll be hosting the meeting over here. (RNMN 4/8)

**PIRATES** - Dutch "lauseramateurs" who specialize in traditional Netherlands country music at weekends hang out around 1610-1640 kHz between 0000-0300 Sat and Sun. A few of them had ventured down into the regular MW band but found the QRM too much. The Dutch pirates began around 1610 kHz but are now mostly between 1622-1640 kHz. A few of them have made it across the pond to Newfoundland and Canada. They operate amateur fashion, which means that they talk to and play music for each other. Stations which announce their addresses are rare, although the Dutch PTT does not raid them because it has more important work to do. Some Dutch pirates have discovered the 75m band, 3900-3945 kHz between 2300-0200 Sundays. Ordinary Europirates are popping up in the 75m band also. The Dutch country-music pirates tend to cluster at the high end. R. Pluto was heard on 3932.2 kHz at 0100 on a recent Sunday. Most Dutch stations use converted military or marine phone xmtrs. (John Campbell and JM on RNMN 4/1)

*Radio Stella International* has regular transmissions on 7446 kHz. (Dean Contact via HJ)

*Radio Delta* heard at 1130 on 11403.8 kHz. (Campbell NU via HJ)

*Riverside 101*, Londonderry, Northern Ireland, 100.1 MHz, an unofficial outlet, is being relayed on SW by 'A Friend' on 6240v kHz on Saturdays and Sundays. The program includes commercials, pop music, and the occasional political twig. The FM station is in a Derry neighborhood where an attempt to shut it down would start a riot. (John Campbell on RNMN 4/8)

**Resources** - The ODXA Ham Net has moved to new 7085 lsb, Sundays at 1200 Eastern Time (1600 GMT). (ODXA Perspectives on DX Party Line 4/10)

**Sources** = DXPL--DX Party Line, HCJB; JA--John Adams, DXPL; KMH--Ken MacHarg, DXPL; QLB--Quito Log Book, DXPL; SS--Sergei Sosedkin, DXPL; RMV--Rich McVicar, presenter, DXPL; LMV--Lisa (Mrs. Rich) McVicar, DXPL. RJMR--Radio Japan Media Roundup; BMM--Bruce MacGibbon, RJMR. RNMN--Radio Nederland Media Network; JM--Jonathan Marks, presenter, RNMN; JC--John Campbell (clandestine specialist), RNMN; VG--Victor Goonetilleke, RNMN. RNZI--Radio New Zealand International Mailbox. AC--Arthur Cushen, DXPL, RNMN or RNZI. Above sources monitored by Mike Fern unless otherwise noted. RMWS--Radio Moscow World Service. SCDX--Sweden Calling DXers.

Any opinions I express here are mine, not VOA's. Back next month. Dan



昆明  
KUNMING

郵便證書  
POST CARD

广播收听证



via Kevin Murray

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收听报告, 频率 6917 千周,  
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诉我们收听情况。

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一九八三年九月四日

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REPORT ON 6917 KHZ ON 9/4/83  
WHICH CORRESPONDS WITH OUR STATION  
LOG. FUTURE REPORTS ABOUT YOUR  
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WELCOME.  
OUR BEST WISHES TO YOU,  
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**HORUNDI: La Voix de la Revolution**  
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**CANADA: CFBX 6070 f/d** "Plane" cd. in  
15 ds. for ms. (Jarvis-CA). f/d cd.  
via ODXA in 13 ds. for 1 IRC. v/s  
Stephen Canney. (Pankake-MN). **CHIX**  
6130 f/d ltr. in 16 ds. for ms.  
v/s Kurt J. Arseneault. (Corlies-  
ONT).

**If I Could only reach my Backside:** I don't think I have ever patted myself on the back or any other editor in NASWA but this time I will. We as editors usually receive letters from our readers telling us what a great job we are doing. Believe me this is really appreciated and does go a long way to "get the juices flowing" for the next Column. The only thing that keeps me going month after month is knowing that the effort is appreciated and useful to our readers. **Richard Palmer** says "I like the layout of the column, the accuracy of the information and your attitude towards contributions and contributors!" I try to treat everyone like dirt. **W. Noel Brown** sent along a little gift in the way of a NZDXRA 60th Anniversary station pennant. Noel says "I hope that you will accept it with my thanks for the splendid contribution that you make each month. Over the years the content and the overall standard has improved tremendously, print clarity, good layout, interesting content - all round a first class effort." Thanks Rich and Noel. Yes it is very much appreciated not only by me but by every editor in NASWA.....Sam.

**CANADA: China Radio International** 11840 f/d cd. w/ paper cut in 1 mo. (Wallace-MA). **Radio Austria International** 6015 f/d cd. w/ site in 13 ds. w/ schedule. (Buer-FL). **RCI** 11855 f/d "40th Anniversary" cd. in 2 wks. for \$1.00. (Pappas-SD). 13650 f/d "Cartier" cd. in 14 ds. for 1 IRC. (returned). (Pankake-MN). **Canadian Forces Network** n/d ltr. in 23 ds. for \$1.00. v/s Jean Choquette, Manager Technical Operations. (Hardester-NC).

**CENTRAL AFRICAN REPUBLIC: RTV Centrafricaine** 5034.5 f/d prepared cd. w/ long personal ltr. in 64 ds. for a FR rpt., tape and \$1.00. This was on my 7th try. (Klinck-NY).

**CHINA, PEOPLES REP. OF: CPBS** 7504 f/d cd. in 2 mo. (Boulder-CA). 6840 f/d cd. in 30 ds. w/ schedule and stickers for 1 IRC. (Jarvis-CA). **Voice of Jingling** 4875 f/d "Li Yuan Garden" cd. w/ schedule in 3 wks. direct from the station for a CH rpt. (Orcutt-NY). **Yunnan PBS** 6940 via **Kunming** n/d "Baiyukou Park" cd. w/ schedule in 168 ds. for SASE (used) and \$1.00. (Murray-OR). 6035 p/d "The Bhuddhas in Huating Temple" cd. w/ schedule in 135 ds. (Yamada-JPN). **China Radio International** 9440 via **Xi'an** p/d cd. w/ stickers and paper cuts in 33 ds. for a taped rpt. (Klinck-NY). **Radio Canada International** 6150 via **Xi'an** f/d cd. in 24 ds. w/ schedule and stickers. (Murray-OR). **Radio France International** 17710 via **Beijing** f/d cd. w/ site in 20 ds. (Buer).

**COSTA RICA: Radio For Peace International** 13630 and 15030 f/d "5th Anniversary" cd. in 47 ds. for \$1.00 and a rpt. to the OR addr. (Hardester-NC). 15032 f/d cd. in 51 ds. for \$1.00. (Straus-NJ). 7385 f/d cd. in 65 ds. for 1 IRC. (Jarvis-CA). **TIRC** 5055 f/d cd. in 41 ds. for 1 IRC. Ltr. rcvd. (Jarvis-CA).

DEPARTMENT OF INFORMATION  
AND BROADCASTING  
P.O. Box 1178  
Zanzibar - TANZANIA

Dear Mr Row House.

Thank you very much for your letter dated 21st January 1983.

Myself I am very happy to hear that you have heard our shortwave radio station on frequency of 6015 KHZ.

Concerning the external service in the English language I am pleased things are on the pipe line. We will inform you when every thing will be OK.

I had nothing more to add but send my regards to all members of your family.

Also I like you nice thick SMAT if possible you can send me one of the same colour or any other. Size Extra large or large and sports Training shoes size no 43 or 9

Yours Sincerely

Comman Radio TV Zanzibar

**COSTA RICA:** Radio Reioi 4832 p/d cd. in 64 ds. for 1 IRC. (Jarvis-CA). UNESCO Radio 13630 via RPI cd. w/ schedule in 1 mo. (McClure-CA).

**CYPRUS:** BBC f/d "Antenna/Map" cd. in 7 wks. (Urbelis-NY). Nice hearing from this name from the past...Sam. Cyprus Broadcasting Corp. 7125 f/d cd. in 22 ds. (Schwartz-NY).

**CZECH REP:** Radio Prague International 7345 via Litomysl f/d cd. w/ site in 19 ds. for \$1.00. (Buer-FL). 5930 via Rimavska Sobota f/d cd. in 1 mo. for \$1.00. (Wallace-MA). 5930 and 7345 f/d "Bear" cd. in 37 ds. (Poston-IA).

**DODECANESE ISLANDS (Rhodes):** VOA 11960 f/d cd. in 21 ds. v/s John Volenk. (Washburn-ME).

**NOTES:** Stephen Jarvis submitted his first report to the QSL Column. All of your contributions are very welcome. Keep sending them in...Sam. Steven Lare says that he has sent two registered reports to AIR Port Blair. One went to Mr. Bajaj while the other went to Mr. Reddy. The envelope was returned and marked "addressee left without instructions." My latest report was sent to Mr. Muraledharan. We'll see what happens....see below...Sam.

Medan Merdeka Barat 4 - 5 P.O. Box#157  
JAKARTA - INDONESIA



**ECUADOR:** HCBJ 9745 f/d "Agoyan Falls" cd. in 1 mo. (Bickus-VA). same in 8 wks. (Lare). 15155 f/d cd. w/ schedule in 58 ds. for US ms. (Jarvis-CA). 11925 cd. in 1 mo. (Pappas-SD). La Voz del Napo 3279.8 p/d cd. w/ personal ltr., sticker, pennant and photo for a SP rpt., tape and \$2.00. (Klinck-NY). HD210A 3810 p/d cd. w/ ltr. and schedule in 287 ds. for 2 IRCs. (Jarvis-CA). (Anderson-MI).

**EGYPT:** Radio Cairo 9475 f/d cd. w/ stickers, newspaper and schedule in 15 mo. for 1 IRC. **ENGLAND:** Radio Japan 6025 via Stelton f/d "Cranes" cd. in 2 mo. for 1 IRC. (Pankake-MN). 6125 f/d cd. w/ schedule in 64 ds. v/s K. Hishikawa. (Buer-FL). Radio Canada International 5995 f/d cd. w/ pennant and sticker in 13 ds. (Buer-FL). VOA 7170 via wooff-erton f/d "Bethany Site" cd. in 4 1/2 mo. for ms. (Pankake-MN).

**ERITREA:** Voice of the Broad Masses of Eritrea 7380 f/d cd. in 5 mo. for \$1.00. (Kohl-brenner-PA).



**EUROPEAN RUSSIA:** Adventist World Radio 12060 via Samara f/d "Forli" cd. in 26 ds. for \$1.00. (Buer-FL). Radio Moscow 11980 and 13650 via Moscow f/d cd. in 43 ds. (Yamada-JPN). 21480 f/d "Kremlin" cd. in 93 ds. (Bickus-VA).

**VERIFICATION SIGNERS:** Radio Bangladesh 4880 Mohammed Nor-Al-Islam, Station Engineer. Radio Fides 6155 Eduardo Perez Iribarne. Radio Frontera 4449.9 Sr. Lino Miahuchi von Ancken (CP9AR). Radio San Miguel 4925 Sr. Felix A. Rada, Vice Director. AIR Port Blair 4760 Mr. B. Sekhar Reddy, Assistant Station Engineer. Addr: Port Blair 744 102, India...Please see above. All via PLAY/DX...Sam.

**EUROPEAN RUSSIA:** Deutsche Welle 13690 via Zhigulevsk f/d cd. w/ site in \* 24 ds. (Buer-FL). University Network 21845 via Samara f/d "Caribbean Beach Station" cd. in 33 ds. (Yamada).

**EUROPIRATE:** Romantic Space Radio 7417 \* f/d form ltr. w/ personal note in 6 wks. for a Radio USA relay. (Lobdell). Sorry, I should of listed this under \* USA...Sam. Live Wire Radio 7413 f/d cd. w/ personal ltr and sticker in 1 mo. Station said they were calling a USA pirate on 7413! (Wallace-MA).



Central Australian  
Aboriginal Media Association (Inc.)



PO Box 2719  
Alice Springs NT  
8150 Australia  
Telephone 08 85 2174  
Fax 08 85 16 11  
CAMA 1992-93 (ISSN) 83 88 48

5th February 1993

JERRY KLINCK  
43 LINA ROAD  
W157 MERRILL, NT 10724  
U.S.A.

Dear Mr KLINCK,

I am writing to thank you for your letter and to verify that your reception report, Alice Springs VIBA and Tennant Creek VIBT, December 3rd 1992 is correct.

Please find enclosed information on the shortwave service and on CAAma to general and CAAFA Radio sticker.

Thank you for listening

Yours faithfully,

*David Hill*

Radio Poster,  
Production, WILSON, CANADA  
CAMA production



**FERNANDO POO:** Radio Africa 2000 6910 f/d cd. in 66 ds. for a SP rpt. and 1 IRC. (D'Angelo-PA). f/d "Studio Building" \* cd. in 2 mo. (Lare-MI). Radio Nacional Malabo 6250.3 f/d prepared cd. in 47 ds. for a SP rpt. and \$2.00. v/s Manuel Chema Lobedo. (Davis-NM).

**FRANCE:** UNESCO Radio cd. in 2 mo. from France. v/s Erin Faherty-Mella. This may be a RPPI relay...Sam. (Urbelis-NY).

**FRENCH GUIANA:** RPO 5055 "Turtles" cd. w/ sticker and schedule in 35 ds. for a FR rpt., tape, \$1.00 and 1 IRC. (Straus-NJ). 5056 cd. in 1 yr. for a FR rpt. (Price-PA). Radio France International 15200 via Montsinery n/d cd. w/ schedule and sticker in 74 ds. (Yamada-JPN). Radio Japan 15325 via Montsinery f/d cd. w/ site in 71 ds. (Buer-FL). China Radio International 11680 f/d "Chicken" cd. in 31 ds. for 3 IRCs. (Brown-OK).

**GABON:** Swiss Radio International 12035 f/d cd. in 1 mo. for \$1.00. (Ktmer-IN). Radio Japan 11925 via Moyabi f/d "Japanese Cranes in Hokkaido" cd. in 50 ds. for 1 IRC. (Straus-NJ).

**GERMANY:** Radio Canada International 11965 via Wertachtal f/d cd. in 18 ds. w/ sticker and pennant for \$1.00 (returned) (Buer-FL). Sender Pries Berlin 6190 f/d

cd. w/ stickers in 28 ds. for 1 IRC. (Hardester-NC). Bayerischer Rundfunk 6085 f/d "Rainbow" cd. w/ stickers for \$2.00. (Hardester-NC). VOA Munich 3980 f/d "Central Park" cd. w/ sticker and schedule in 33 ds. (Yamada-JPN). RFE/RL 3960 via Biblis p/d cd. in 1 wk. (Field-MI). 7255 and 9780 p/d cd. w/o sites in 1 mo. (Field-MI). Radio Liberty 11875 and 17750 via Lammertheim cd. in 10 ds. (Lare). 11905 via Holzkirchen p/d "Transmitter Site" cd. in 10 ds. (Lare).



**RADIO  
VATICANA**

**NOTES:** Scott Helm says that due to his inquiry, he received a phone call from Mrs. Janice Davis who is in charge of all U.S. correspondence at the VOA. She desires reports but requests that DXers do not send money, stamps or anything else but the report. She is new in this position and has reports on her desk dating back to early 1992. Her address is Room 3323, 330 Independence Avenue SW., Washington DC 20547. Jim Clar sent me a copy of the December SPEEDX cover and notes that there is a town NW of Kulpsville named Barta, PA. Very interesting indeed! Actually there is a town in PA named after my mothers side of the family. My father told me that my actual family name is either Barta or Bartha. In the early 20s when everyone got off the boat somebody in charge stuck an "o" at the end. I'm actually of Hungarian / Penn. Dutch heritage. Isn't there a DXer in Ontario named Barta of Hungarian parentage? I don't know about him but I'm still walking around with my knuckles on the ground....Sam.

**GHANA:** GHC Radio One 4915 f/d cd. in 53 ds. for 1 IRC. (Jarvis). f/d cd. w/ schedule in 43 ds. for \$1.00. (Gold-MI). f/d cd. in 149 ds. for 1 IRC. (Colton-MA). same in 34 ds. for 1 IRC and \$1.00. (Pankake-MN).

**GUAM:** KTMR 11700 f/d "Old Spanish Bridge" cd. in 30 ds. for 3 IRCs. (Brown-OK).

**GUATEMALA:** TCMA Radio Cultural 3300 f/d cd. w/ ltr. and schedule in 18 ds. for \$1.00. v/s Wayne Berger, CE. (McClure-CA). in 36 ds. for 1 IRC. (Corlies)

**GUYANA:** Voice of Guyana 5950 rpt. was returned stamped correct in 51 ds. (Colton-MA).



**CERTIFICADO DE SINTONIA**

**RADIO** ECO - REYES - 8810 - BOLIVIA  
**FECHA** 22 de Junio 1991 **HORAS** 21:13 a 22:02  
**LOCALES**  
 de BOLIVIA  
**FRECUENCIA** 4410 kHz - onda corta  
**POTENCIA DE SALIDA** 1 kW de salida **VATIOS**

Dr. Christopher P. Landell  
 Manoa, Hawaii  
 USA

Hemos comprobado los  
 detalles de recepción que  
 verificamos **CORRECTOS**



**HAWAII:** WWVH 15000 f/d cd. in 22 ds. for 1 IRC.(Brown-OK).

**HOLLAND:** Radio Nederland 21590 f/d "Ostara Hyacinths" cd. in 46 ds.(Schwartz)

**HONDURAS:** HRVC La Voz Evangelica 4820 p/d ltr. w/ stickers in 50 ds. for 1 IRC. (Colton-MA). same in 23 ds. w/ personal ltr and schedule. v/s Hermann Lagos Naira.(Martin-CA).

**HONG KONG:** BBC 7180 f/d ltr. in 2 wks. for \$1.00.(Wallace-MA). f/d ltr. in 14 ds. for 3 IRCs.(Brown-OK). 11820 f/d ltr. in 18 ds. for \$1.00.(Washburn-ME).

**HUNGARY:** Radio France International 15460 f/d "Quays of the Seine" cd. in 1 mo. Site listed as Diodo. (Wallace-MA).

**ICELAND:** INES 11402 f/d cd. in 21 ds. for 1 IRC.(Colton-MA). 15770 same cd. in 32 ds. for 1 IRC and \$1.00. Also sent a taped rpt.(Straus-NJ).

**INDIA:** AIR Hyderabad 4800 f/d cd. in 2 mo.(Price-PA). 4990 via Madras p/d personal ltr. in 2 mo.(Price-PA). 11620 f/d "Jagannath Temple" cd. in 2 mo. for ms.(Pappas-SD).

**NOTES:** Jerry Klinck was very pleased w/ his 120 meter CAAMA stations from Australia. With all his static he never thought it possible. He has recently become the proud grandfather of two future DXers - both males! Congratulations! Kevin Murray recently had one of those "lucky days!" His mailman delivered both Radio Gulf and Radio Kiribati on the same Saturday! Get a few more days like that...Sam.



via Behr  
**RADIO TAHITI** 8016 POSTAL 128

**ISRAEL:** Kol Israel 9435 f/d cd. w/ schedule in 50 ds.(Schwartz-NY) 11587 f/d cd. in 3 1/2 mo. w/ schedule.(Field-MI).

**ITALY:** Adventist World Radio 7210 via Forli f/d cd. w/ site in 12 ds. for \$1.00.(Buer-FL). same in 1 mo. for \$1.00. v/s Suzanne Hoschele, Secretary. Pen rcvd.(Wallace-MA). RAI 9575 p/d "Turin Street" cd. in 85 ds.(Bickus-VA). Radio Italia 7140 f/d "Map" cd. w/ sticker in 1 mo. for ms. Only 1 kw: (Wallace-MA).

**JAPAN:** Radio Japan 11815 n/d cd. in 50 ds.(Jarvis-CA). Radio Tampa 6055 f/d cd. w/ sticker and schedule in 23 ds. for \* ms.(Jarvis-CA). NHK Shoubu-Kuki 3607.5 f/d cd. in 9 wks. Addr: 3047-1 Sanga Shoubu-Machi, Saitama. (Howard-CA).

**JAVA:** Voice of Indonesia 9675 f/d "Prambanam Temple" cd. in 475 ds. for 3 IRCs. Also rcvd. a menu from a local IN restaurant: (Comeau-MA). p/d "Painted Mask" cd. in 2 mo. for \$1.00. Also rcvd. schedule.(Wallace-MA). f/d ltr. w/ cd. in 28 ds. for 1 IRC.(Colton-MA). f/d cd. w/ folder in 2 mo. for an IN rpt.(Barto-CT).

**KASHMIR:** All India Radio 4760 via Leh f/d ltr. via registered mail in 2 mo. direct \* from station. v/s L.K. Gandotra, Station Engineer. C/V # 199: (Howard-CA).

**QSL Verification**

**Radio** RRR FAK FAK

**Kepada Yth. Tuan** Steven R. Lare

Ini membenarkan laporan tuan dari Radio RRR FAK FAK siaran pada gelombang 62.63 meter atau frekwensi 4789.7 kHz., pada 19 Februari 1991, dari 21.35 sampai 22.13 waktu Indonesia Bagian Timur. Pemancar kuasa studio kami 1 kw. dengar Delapan antena.

Banyak terima kasih untuk laporan tuan.

Kotno Dewan,

*[Signature]*  
**ALOYS DEORA**

Pimpinan atau Kepala Studio



**KIRIBATI:** Radio Kiribati

17440 nice personal ltr. in 34 ds. for SASE (not used) v/s Teraku Tekanene, Managing Director.(Murray-OR).

**KOREA, REP. OF:** Radio Korea

15170 p/d cd. w/ schedule in 135 ds. for 1 IRC.(Jarvis-CA). 15575 f/d "Japanese White-Eyed Bird" cd. in 35 ds. for 1 IRC and \$1.00.(Straus)

**LEBANON:** Wings of Hope

11530 f/d "World Map" cd. in 124 ds. for 1 IRC.(Colton-MA).

No. 3/1/93-E.111 / 4.7

DIRECTORATE GENERAL  
ALL INDIA RADIO  
ARASHYANI BHAWAN,  
PARLIAMENT STREET,  
NEW DELHI-110011 INDIA



22 APR 1993



Dear Sir/Madam,

We gratefully acknowledge your  
Receipt Report and confirm the  
amount of Rs. 1139/- U.T.C.  
The transmission originated from our  
Station at POPE HALL.

Yours faithfully,

Director General  
All India Radio  
Parliament Street  
New Delhi-110011

Mr. Hans Johnson  
7529 Re-1 Cravat Court  
Columbia, Maryland  
21046 U.S.A.

- MALTA:** Voice of Mediterranean 9765 f/d cd. in 87 ds. for 1 IRC. (Colton-MA).
- MEXICO:** XDOM 6105 f/d prepared cd. w/ ltr. in 2 mo. for a SP rpt. and \$1.00. v/s Ylmar Pacheco Gomez, Locutor. (Kohlbrener-PA). Radio Educacion 6185 p/d ltr. w/ postcards in 10 mo. v/s Lic. Luis Ernesto Pi Orozco, Director General. (Schwartz-NY).
- MOLDOVA:** Radio Moscow 15510 via Kishinev f/d "Arabat Square" cd. in 59 ds. (Buer-FL).
- MOLUCCA ISLAND:** RRT Ambon 4863.8 f/d cd. in 123 ds. for an IN rpt. and ms. v/s Seksi

**NOTES:** Scott Helm says that he talked to Janis Davis regarding the QSL signer at the VOA. He was informed by her that the previous person who took care of the QSLs had died! Sorry to hear this. Does anyone know who this may of been?...Sam. Bill Plum says he is very pleased with the recent QSLs from Sudan and other places. Now if only Saint Helena and Bahrain would be as cooperative. Don Hosmer got rid of his R-5000 and purchased a used RB. It has terrific sound quality! Don also asks about the deadline for submissions to the QSL Column. Usually I start typing around the end of the second Saturday in each month....but even that may vary....Sam. Mark Anderson says that his C/V is now at 55. Not too bad for someone with no time, a DX-440 and a small piece of wire on the roof. Not bad....Sam.

Siaran, Kepala. (D'Angelo-PA). 4865 f/d cd. in 113 ds. for 2 IRCs. Got this the same week that Kohlbrener got his at a DX-pedition. (Field-PA).

**MONACO:** Trans World Radio 9480 f/d "Map" cd. in 1 mo. for 1 IRC. (Pankake-MN).

**MOROCCO:** VOA 15290 f/d "Mount Rushmore" cd. in 25 ds. (Newhall-CT). Tangier?

**NEW BRITAIN:** Radio West New Britain 3235 n/d ltr. in 51 ds. for ms. v/s Esekia Mael, Prov. Program Manager. (Sgrulletta-NY).

**NEW GUINEA TERR:** Radio Eastern Highlands 3395 f/d cd. w/ 2 page ltr. and a prepared cd. in 43 ds. for ms. v/s Kiri Nige, Engineering Division. (Sgrulletta).

**NEW ZEALAND:** Radio New Zealand International 9700 p/d cd. w/ schedule in 31 ds. (Bickus-VA). same in 70 ds. for ms. (Jarvis-CA).

**NIGERIA:** Voice of Nigeria f/d cd. in 6 mo. w/ schedule. (Urbelis-NY).

**NORWAY:** Democratic Voice of Burma 15140 via Kytsøy f/d cd. w/ ltr. in 1 mo. v/s Maung Maung Myint. (Barto-CT).

**OMAN:** Radio Oman 11890 f/d cd. in 52 ds. for 3 IRCs. (Brown-OK). BEC 15310 f/d "Map" cd. in 33 ds. for \$1.00. v/s D. Plater, Senior Transmitter Engineer. (Pankake-MN). same in 3 mo. v/s D.P. Bones. (Urbelis-NY).

**PALAU:** KHEN 9830 f/d "Map" cd. in 3 wks. v/s David E. Laufer. (Eckert-PA). in 5 mo. (Urbelis). same in 1 mo. after a f/up rpt. (Hosmer-MI).

**LEBANON:** Wings of Hope 11530 f/d "Map" cd. in 15 ds. w/ form ltr. and schedule. v/s David E. Laufer. (Newhall-CT).

**LITHUANIA:** Radio Vilnius 17605 f/d cd. in 61 ds. for 1 IRC. (Colton-MA).

**LUXEMBOURG:** Radio Luxembourg f/d "Antenna" cd. w/ decals in 5 wks. Also rcvd. book in GM. (Urbelis-NY).

**MALAWI:** MHC 3380 f/d ltr. in 3 mo. for a taped rpt. and \$1.00. v/s P. Chinsu. (Price-PA).

**MALI:** China Radio International 9770 & 11715 via Bamako f/d cd. in 2 mo. w/ schedule and papercuts. (Barto-CT) Radio Beijing 11715 f/d cd. w/ site in 30 ds. for 1 IRC and \$1.00. (Stratus-NJ).

SUDAN NATIONAL RADIO CORP (S.N.R.C.)

SUDAN  
DHOUBHAN  
PO. B 572

MOHAMED E. KHALIL  
FOCO GUIDE PROF

LETTER OF VERIFICATION

USA IN MR. HANS JOHNSON R2115 KOLMANN...  
OF 16. LITHUANIA... S.I. Andrius, 22, ALIJA US  
WE VERIFY THAT YOU RECEIVED MAIL DHOUBHAN ... KENYAN  
28.4.1993

ON THE 24th APRIL 1993 9.1.70... MHz  
ON (DATE) 14.11.1992 (Tuesday)  
FROM ... 29.07 TO ... 21.02 ... S.L.T.  
(SUDAN LOC. TIME)  
... (P.O.) TO ... U.T.C

OTHER INFORMATION

SUBJECT: F2A... DHOUBHAN... ANSWER...  
SPOONER... P.O. GILL... KAPO... PROF. SCHEDULE  
TO... SUDAN... RABAT...

THANK YOU...  
MOH. E. KHALIL

ENG. TECH. AFFAIRS ADM.

DATE 23.11.1993





P.O. Box 482134  
 Birmingham, AL 35210 USA  
 1-305-956-0947

Verification ("OSL") Card

Date of Delivery / Receipt of Card Dec 20, 1992

Name of Recipient / Date of Receipt 04/34 Mr. Keis W. Field

Reference Number 1540

PLACE  
 STAMP  
 HERE

**SPAIN: China Radio International**

9690 via Nobelias f/d cd. in 2 mo. w/ papercuts. (Barto-CT).

**SRI LANKA: SLBC** f/d "Antenna" cd. in 9 wks. (Urbelis-NY). **Radio Japan**

9535 via Ekala f/d "Lights of Hakodate" cd. in 50 ds. (Buer-FL).

**Deutsche Welle** f/d cd. in 3 mo. w/ schedule. (Urbelis-NY).

**SUDAN: Radio Omdurman** 7200 p/d ltr.

\* w/ personal note and schedule in 3 mo. for \$1.00. v/s Mohammed El-fatih El Sumoal. (Wallace-MA). p/d ltr. w/ f/d prepared cd. and schedule in 4 mo. for \$1.00. (Clar-NY).

in 30 ds. for an IN rpt. and SASE (used). v/s Mar-lis Ramali. (Hosmer-MI). (Jarvis-CA).

**SWEDEN: Radio Sweden** 9695 f/d cd. in 40 ds. (Bickus-VA). f/d cd. in 33 ds. for 1 IRC.

**SWITZERLAND: Swiss Radio International** 9885 f/d cd. in 25 ds. for ms. (Jarvis-CA). 13625

f/d "Zurich Museum" cd. in 32 ds. (Gaharan-LA). **China Radio International** 3985 f/d

"Silk Figurine" cd. in 3 wks. w/ personal note, cd. and pennant. (Wallace-MA).

**TAHITI: RFO** 11825 f/d cd. in 24 ds. for a FR rpt. (Jarvis-CA). 11827 p/d "Conch Blower"

cd. in 1 mo. for \$1.00. and a Red Sox patch: v/s Leon Siquin. (Wallace-MA).

**TAIWAN: Voice of Free China** 9680 f/d cd. in 46 ds. for \$1.00 and 1 IRC. (Straus-NJ). **Central Broadcasting System** 6180 f/d "Certificate" cd. in 2 1/2

mo. for ms. Also rcvd. schedule and an interesting 4 part sticker. (Wallace-MA).

广播收听证

姓名: 田中

出生年月: 1948年11月20日

职业: 自由职业者

联系地址: 北京市朝阳区

联系电话: 64611111

发证日期: 1992年12月20日

有效期至: 1993年12月20日

发证机关: 中国广播

发证地点: 北京

发证编号: 1992-11-20-001

Dear Friend, Jerry Nix  
 Your receipt about our broadcasting  
 (4875 kHz) is correct on 12/20  
 of 1992.  
 You are warmly welcome to write to  
 us again.

Thank you very much.

Voice of Jingling  
 Broadcasting Station  
 Nanjing, China

f/d "Palazzo Pio" cd. in 22 ds. w/ schedule for 2 IRCs. (Brouillette-IL).

**WEST BERLIN: RIAS** 6005 p/d cd. in 20 ds. w/ stickers. v/s Lydia Duive. (D'Amato-MA).

**WEST IRIAN: RRI Sorong** 4875 p/d ltr. in EG/IN in 345 ds. for an IN rpt., tape and ms. This after 2 f/up rpts. v/s Linda Rumbay. (Durden-GA). 4874.6 f/d cd. w/ ltr. in 65 ds. for an EG rpt. and ms. (Sgrulletta-NY).

**YUGOSLAVIA: Radio Yugoslavia** 7200 f/d cd. in 22 ds. for \$1.00 and 1 IRC. (Straus-NJ).

9580 f/d "Danube Fest" folder cd. in 78 ds. w/ schedule for 2 IRCs. (Brouillette-IL).

**ZANZIBAR: Radio Television Zan-**

**zibar** 6015 f/d ltr. in 3 wks. for \$1.00. Also rcvd. very friendly ltr. from Yusuf Omar Chunda, Director, Dept. of Information and Broadcasting. (Howard-CA).

I guess this will end another OSL Column. Next month we will have a large USA and pirate section...Sam.

*Sam*





# Tropical Band Loggings

Sheryl Paszkiewicz  
1015 Green Street  
Manitowoc, WI 54220

Loggings made in Latin America were taken from the Radio Panarama bulletin, kindly sent in by DANIEL CAMPORINI of Argentina.

- 2310 AUSTRALIA VL8A 4/10 0915 Disc Pgm, nx, sports, ID (Robertson)  
2325 AUSTRALIA VL8T 4/10 0912 nx, sports, ID (Robertson-CA)  
2/28 1130 local nx, mx, 1st log of this (Montgomery-PA)
- 2390 GUATEMALA LV Atitlan 3/9 1105 ID, accordion, folk mx (Lyon)  
2420t BRAZIL R Sao Carlos 3/24 0842 PT tlk, pop mx (Orr-VA)  
2480h USA W2WQ 3/20 0155 baseball, local ads, 2x1240 (Shaw-KY)  
2485 AUSTRALIA VL8K 4/10 0917 nx, 40s mx, ID (Robertson-CA)  
3/17 1245 ABC nx, ID, C&W mx (Pitts-NE)
- 2885.8v INDO unid 3/21 1223 IN pops & tlk, distorted sig (Sams-OK)  
3200 SWAZILAND TWR 3/21 \*0355-0429\* IS, ID, GM rel (Alexander-PA)  
3205 BRAZIL Ribeirao Preto 3/26 0035 pops, sfx, ID (Orr-VA)  
3205 NEW GUINEA Sandaun 3/20 1145 PD tlk, ID, poss nx (Davenport)  
3209.9 MOZAMBIQUE RM strong hilife, xylo theme, IDs (Clark-ON)  
3220p NORTH KOREA PBS 3/7 1235 tlks, string mx, nx (Lyon-MN)  
3221.2p TOGO R Kara 3/21 0555 hilife mx, nice sig (Sams-OK)  
3225 SUMATRA Tanjung Pinang 1136 nx, ID, nx, mx. I visi ted  
the city last yr (Compton-SINGAPORE) It's fine that you  
sent yr logs directly to me--sp.
- 3235 NEW BRITAIN RWNB 4/2 0930 tlks in lang (Emerson-NEW ZEALAND)  
3245t BRAZIL Clube Varginha 3/26 2339 pops, zap sfx, PT (Orr-VA)  
3245 PAPUA R Gulf 1027 ballads, pops, PD (Orr, Emerson)  
3250 HONDURAS Luz y Vida tent 3/11 0305 poss ID, folk mx (Davenport)  
2/3 0330 gospel mx, ID, NA to 0410\* (Antena Portena-PANAMA)  
3/21 0358\* rel pgm, addr, FC, "Old Rugged Cross" (Moore-KY)
- 3255 LESOTHO BBC 3/25 \*0258 EG Big Ben, nx (Orr-VA)  
3270 NAMIBIA NBC 3/21 0445 EG lots of pops, 0500 ID, rel (Moore-KY)  
3275 PAPUA South. Highlands 4/2 0925 tlks in lang (Emerson-NZ)  
3277 KASHMIR RK tent 3/22 1040 band mx, poss ID, nx (Davenport)  
3/21 1308 SC mx, unusually late in season (Sams-OK)
- 3279.8 ECUADOR LV del Napo 3/12 0201 mx, promos, IDs (Davenport-TN)  
3/17 1020 tlks, ID, mx, choral mx (Lyon-MN)
- 3280 CHINA Vo Fujiang 3/7 1210 long tlk, EZL & pops (Lyon-MN)  
3285.3 ECUADOR LV del Rio Tarqui 3/12 1046 TC, sfx, IDs (Clar-NY)  
3290 PAPUA R Central 4/2 0920 So Pac mx, tlks (Emerson-NZ)  
4/3 1117 PD discussion to fade (Klinck-NY) 2/17 1147 EG  
pops, ID 1159, mx bridge, tlk (Orr-VA)
- 3300 GUATEMALA TGNA 0030-0510, 1015 "La Biblia Dice," sermon,  
IDs, TC, choir (Antena Portena, Serra, Davenport, Boulden,  
Newbury, Robertson)
- 3305 NEW GUINEA R Western 4/2 0915 EG nx (Emerson-NZ) 4/3  
1117 tlk sounded //R Central? (Klinck-NY)
- 3315 ADMIRALTY R Manus 3/26 1053 pops, theme, nx (Orr-VA)  
3325 GUATEMALA R Maya 2/4 1200 gospel mx, tlk, ID (Antena Portena)  
3338 KALIMANTAN Palangkaraya 4/9 1159 SCI, nx, weak (Clark-ON)  
3326 NIGERIA R Nigeria 3/28 to 2307\* EG mx, ID, nx (Lamb-NY)  
3330p PERU Ondas del Huallaga 4/6 1030 OA mx (Field-II)
- 3345 MOZAMBIQUE RM 3/25 0305 //3209.9 nx, ID, chimes (Clark-ON)  
3355 PAPUA R Northern 4/2 0910 EG nx (Emerson-NEW ZEALAND)  
3355 JAPAN RJ 2/21 1513 EG ID, nx, vy weak (Boulden-CA) odd freq-sp  
3355 NEW GUINEA R Simbu 3/26 1026 pops, tlks, nx (Orr-VA)  
3360 GUATEMALA LV Nahuala 3/9 1130 folk mx, ads, Beethoven (Lyon)  
2/5 1130 mx, greetings in Indian lang, SP ID (Antena Portena)
- 3365.9 CUBA Rebelde 3/28 0137 mx, "Deportivamente," ID (Serra-ITALY)  
4/2 0810 relaying Reloj, nx, TCs, IDs (Orr-VA)
- 3366 GHANA GBC 2/26 2218 EG football //4915 (Orr-VA) 3/3 2238  
pops/soul, IDs, TC, Radio 1 nx 2245 //4915 (Clar-NY) 3/15  
2250 EG mx, ID //4915 (Klinck-NY)

- 3370 GUATEMALA Tezulutlan 2/6 to 0403\* mx, greet, ID (Antena P)  
3/10 0048 marimbas, ment Guat, poor so tent (Serra-ITALY)  
3/25 0253 marimbas, ID not //4835 (Frodge-MI)
- 3375 BRAZIL RN 3/16 0915 campo mx, IDs, QRM Educadora (Orr-VA)  
3/28 0915 same with canned echo ID (Alexander-PA)  
3/21 0916 same, lively pgm, ment 5 kW (D'Angelo-PA)
- 3375 NEW GUINEA West. Highlands 4/3 1049 island mx, ID (Klinck-NY)
- 3380 GUATEMALA Chortis 0358\* 1140, greetings, ID, rel, TCs  
station promos, sports scores (Antena P, Clar, Davenport, Lyon)
- 3385p NEW BRITAIN RENB 4/11 1025 C&W, sing-sing, tlks (Lamb-NY)
- 3395 SUMATRA Tanjungkarang 3/17 1556 ID, mx (Compton-SINGAPORE)
- 3477vt BOLIVIA R Padilla 3/21 0050 LA mx, poss ID, FC (Sams-OK)
- 3810 ECUADOR HD2IOA 2/21 0939 time sigs, ID, weak (Boulden-CA)
- 3905 NEW IRELAND RNI 3/21 0950 island mx, ID, rel (D'Angelo-PA)  
3/15 1030 poss nx in lang, 1st time here (Davenport-TN)
- 3925 JAPAN R Tampa pres 3/20 1055 orch mx, anmts (D'Angelo-PA)  
3/11 1200 JP tlks, poss nx (Davenport-TN)
- 3935 NEW ZEALAND ZLXA 3/9 to 0901\* EG tlk, clear ID, 3 tones (Orr)
- \*3970 ETHIOPIA R Nigeria Enugu 3/28 \*0432 drums, anthem, mx pgm,  
0500 ID, EG nx (Clark-ON) 3/7 0550 Afr vcls, ID (Berg-MA)
- 3995 WEST GERMANY DW 3/12 0245 GM tlks (Davenport-TN)
- 3995 KALIMANTAN Pontianek 3/18 1129 EZL, id, IS, nx (Clark-ON)
- 4000.3 SULAWESI Kendari 3/10 1319 Suharto election speech (Pitts-NE)
- 4003.2 SUMATRA Padang 4/3 2330 mx, IS, lcl nx, anthem (Clark-ON)
- 4010t KIRGHIZSTAN Bishkek 3/20 \*1230 //4050 RS tlks (Sams-OK)
- 4080vt MONGOLIA Ulaanbaater 3/14 1738\* MG?, mx, anthem (Serra-ITALY)
- 4183.4t BOLIVIA R 11 de Octubre 3/27 0029 ballads, tlk, weak w/QRM  
tnx Johnson (Orr-VA) 4/6 1022 tlks (Field-MI)
- 4299.7 PERU R Naylamp 3/3 0944 huaynos, IDs, inspirational mx,  
ads (Orr-VA) 3/9 1020 OA vcls, ID 1059 (D'Angelo-PA) 4/5  
1020 presumed (Field-MI)
- 4435 USA WPCR spur 3/7 0901\* radio-tech pgm (Alexander-PA)
- 4485 RUSSIA Petropavlosk pres //4010 at 1020 w/speech (Field-MI)  
R Tikhyy Okean 3/7 1150 EZL, pips, 1200 "Tikhyy" (Frodge-MI2)
- 4505 PERU Horizonte pres 4/4 0806 mx, TCs, poss ID (Lamb-NY)  
3/7 1008 SP yak, IDs, anmts, OA mx (Alexander-PA)
- 4552 BOLIVIA Rdf Tropico 3/27 1024 tlks, mx (Field-MI) 2/22  
2320 messages, full ID (Camporini-ARGENTINA)
- 4600 BOLIVIA Perla del Acre 3/9 0905 campo mx w/live audience,  
TCs, ID (Orr-VA) 2/22 2315 cuambia, ID, Song of Boca Jrs  
(pop soccer team in ARG) (Camporini-ARGENTINA) unid 3/23  
1025 LA mx (Field-MI)
- 4606.4 IRIAN JAYA Serui 4/3 1135 nx, choral anthem (Clark-ON)
- 4610 IRAQ Rep of Iraq R, 3/10 \*0253 bird IS, NA, ID, Koran (Orr-VA)
- 4635 TADZHIKSTAN Tadzhih R, 3/15 0139 vcls, tlks, theme (Orr-VA)
- 4649 BOLIVIA R Santa Ana 3/20 0006 long tlk, ID, flute (D'Angelo)  
2/22 2310 live bx, ID (Camporini-ARGENTINA)
- 4679t VIETNAM Son La 3/21 1157 Asian mx, poss VT tlk (Sams-MO)
- 4681.9 BOLIVIA R Paititi 3/9 0000\* IDs, ballads, TCs, NA (Orr-VA)
- 4697 JAVA RKIP Surabaya 3/31 1152 pops, ID, SCI (Pitts-NE)
- 4725 MYANMAR R Myanmar 3/23 1142 vcls, ment Myanmar (Clark-ON)
- 4740t TADZHIKSTAN Tadzhih R, 3/15 2001\* RS? tlk, mx (Serra-ITALY)
- 4753.4 SULAWESI Ujung Pandang 3/7 1250 pops, IS, ID, nx (Lyon-MN)  
3/23 1335 mx pgm, muffled voice (Newbury-NE) 3/19 2247  
tlk, SCI, nx (D'Angelo-PA) 3/13 2355 mx, mx (Davenport-TN)
- 4755 BRAZIL Rdf Maranhao 3/11 0030 IDs, TCs, promos (Davenport-TN)
- 4755 BRAZIL Educ. Rural 3/28 0043 pops, ID, discuss (D'Angelo-PA)  
3/28 0102 ID, FC, echo, interview (Jordan-PA)
- 4760 ANDAMAN Port Blair 3/21 1204 tlks, SC mx, Hindi nx (Clark-ON)
- 4760 PERU Tingo Maria 3/24 1036 ID & TC after most songs (Field-MI)
- 4765 BRAZIL R Integracao 3/3 1015 ballads, rooster, ID (Orr-VA)
- 4770 NIGERIA Kaduna 3/14 1741 Bible, ID (Serra-ITALY) 3/5 2255  
pop/soul, nx (Frodge-MI2)
- 4771 ECUADOR Centinela del Sur 3/20 0228 futbol, ment Quito (Shaw)  
3/6 0200 vcls, promos, NA, s/off anmts 0334 (Frodge-MI2)
- 4775 PERU R Tarma 4/6 to 0459\* mellow pops, echo IDs (Lamb-NY)
- 4777 GABON Rdf Gabonaise 3/5 2258 Afr pop, ID (Frodge-MI2)

4780 DJIBOUTI RTVD 4/3 Koran, 4/4 0314 vcls (Clark-ON)  
 4785 AZERBAIJAN Baku 3/14 1757 Azeri tkl, mx, ID (Serra-ITALY)  
 4785 COLOMBIA Ecos del Combeima 3/14 1007 tkl abt war against  
 drugs, canned ID (Orr-VA) 3/21 1035 nx, IDs, ads (D'Angelo)  
 4790 PAKISTAN AKR Trarkhal 3/13 0045 tkl, Koran, vcl, 3 TP, nx  
 ment Pakistan, rarely this good (Clark-ON)  
 4790 PERU Atlantida 3/26 0328 tkl, siren sfx, IDs, promos (Clar)  
 3/26 1025 ballads, anmts, sev IDs (Klinck-NY)  
 4795 BRAZIL Nova dif Aquidauana 3/16 0843 rel, ID, ads (Orr-VA)  
 4800 CHINA Zhejiang 3/13 2305 good w/nx (Clark-ON)  
 4800 GUATEMALA Buenas Nuevas 0100, 1140 IDs, folk mx, gospel  
 mx (Davenport, Shaw, Antena Portena)  
 4800 INDIA Hyderabad pres 4/5 0045 SC mx, 0100 fade (Clark-CN)  
 4800t LESOTHO R Lesotho 3/9 0420 poss nx in lang (Davenport-TN)  
 4804.6 PERU Villa Rica 3/24 1025 tkl, TCs, ID, huaynos (Orr-VA)  
 4805 BRAZIL Rdf Amazonas 3/21 0200\* skit, IDs, sfx (Jordan-Pa)  
 3/14 0824 phone ins, TC, IDs, pops, echo (Orr-VA)  
 4810 ARMENIA Yerevan 3/24 1847 folk mx, ID, cmtry, IS (Serra-ITALY)  
 4810 SOUTH AFRICA Orion 3/6 0134 soft rock, new wave (Newbury-NE)  
 4815 BURKINA FASO RTV Burkina 3/28 0001\* hilife, IDs, IS (Clar-NY)  
 4820 HONDURAS HRVC 0030 rel, gospel mx, ID (Antena Portena,  
 Davenport, Newbury)  
 4820.9 PERU Atahualpa 3/26 1005 huaynos, TCs, IDs, ads (Orr-VA)  
 3/18 1200 campo mx, anmts, IDs (Davenport-TN)  
 4824.5 PERU LV de la Selva, 3/25 1029 ID sounds like Silva (Klinck)  
 4825 BRAZIL Cancao Nova 3/21 2338 //9675 rel sermon, ID (Clar-NY)  
 4825 GUATEMALA R Mam 3/11 1215 lcl mx w/kids, IDs (Davenport-TN)  
 2/17 1212 campo mx, IDs, vcls (Orr-VA)  
 4829.3v MONGOLIA Ulaan Baatar, Altai, 3/23 1152 YL tlks (Clark-ON)  
 4830 THAILAND RT 4/9 1132 EG anmts //9655 (Clark-ON) 3/21 1309  
 Big Ben, EG ID, sked //9655 (Sams-OK)  
 4830 VENEZUELA Tachira 3/7 0045 anmts, LA mx, ID (Newbury-NE)  
 4832 COSTA RICA R Reloj 2/7 1230 ranchera mx, ID (Antena Portena)  
 4835 COLOMBIA Buenaventura 3/27 0215 futbol //5075, ads, Caracol  
 promos (Alexander-PA) 4/5 0405 ID, nx ex-4833 (Field-MI)  
 4835 GUATEMALA Tezulutlan 0203 TCs, IDs, rel, rock mx (Davenport,  
 Serra, Newbury)  
 4835 MALI RTV Malienne 3/9 2004 tribal songs, ID, FR nx (Serra)  
 4840 PERU Andahuaylas 3/25 1041 OA mx, IDs (Klinck-NY) 2/22  
 2330 rel in quechua, SP ID (Camporini-ARGENTINA)  
 4840 VENEZUELA Valera 3/18 0305 pops, ads, promos (Davenport-TN)  
 4840 UNID 3/30 1035 SP tkl, sounded like sermon (Field-MI)  
 4845p MALAYSIA RM 3/9 1115 SC vcls, listed Tamil, weak (Orr-VA)  
 4845 MAURITANIA ORTM 0045, 0635 mx, phone calls, Koran, AR ID,  
 (Serra, Davenport, Moore-KY)  
 4850 UZBEKISTAN Tashkent 2 3/10 0217 RS nx, muzak, IDs (Orr-VA)  
 4855 BOLIVIA Centenario La Nueva 2/15 0943 Quechua, ID (Camporini)  
 4855 BRAZIL R Aruana 4/6 0825 campo mx, ID, madrugada (Orr-VA)  
 4855.9 SUMATRA Palembang 2/17 1116 Koran, ID, nx (Orr-VA)  
 4860 RUSSIA RM 1/6 2201 nx (Shaw-KY) 3/16 2240 class mx, vy  
 weak (Davenport-TN)  
 4860 UKRAINE RU 3/24 0130\* nx, ID, Ukrainian Diary (Lamb-NY)  
 3/7 0110 EG pops, Letterbox, nx, IDs, IS (Alexander-PA)  
 4863.8 MOLUCCAS Ambon 4/3 1206 nx, IN pops, ment Ambon (Johnston-KY)  
 4865 COLOMBIA 0226-0635 IDs, TCs, ads, mx, Caracol promos  
 (Davenport, Newbury, Serra, Boulden)  
 4870p SHRI LANKA SLBC 3/18 0055 SC chants & readable (Clark-ON)  
 4874.6 IRIAN JAYA Sorong 3/23 1110 tlks, island mx, ads (Lyon-IN)  
 3/26 1120 lagu pops, ID, mx (Orr-VA)  
 4875.1 BOLIVIA La Cruz del Sur 3/12 0953 rel, anthem, ID (Clar-NY)  
 4880 BANGLADESH RB 3/13 0105 rel chants (Clark-ON) 3/21 1215  
 Koran, Bengali mx, 1230 EG ID (Shaw-KY)  
 4881.2 IRIAN JAYA Suara Kasih Agung 4/3 1112 tkl, mx bridge,  
 poss ID 1129, C&W, SCI, Jak nx (Clark-ON)  
 4883 CHINA Beijing 2/23 1440 RS tkl, CH mx (Boulden-CA)  
 4885 BRAZIL Clube do Para 0245 sermon, ID, pops, rumba, TC  
 (Jordan, Serra, Klinck, Bickus)

4885 COLOMBIA Ondas del Meta 3/7 0330 LA mx, anmts (Newbury-NE)  
 3/11 0335 ads, mx (Davenport-TN)  
 4890 GABON RFI 3/9 0405 FR cmtry, Afr mx (Davenport-TN)  
 3/6 0440 FR tlk w/phone call (Newbury-NE)  
 4890 PAPUA NBC 2/23 0835 EG interview, sports, mx (Boulden-CA)  
 3/19 1152 EG pop mx pgm (Shaw-KY)  
 4890 PERU R Chota 0131-0255\* huaynos, IDs, anmts, no HA  
 (Crr, Jordan, Sams, D'Angelo)  
 4895 COLOMBIA LV Rio Arauca 3/28 0245 songs, ID (Serra-ITALY)  
 3/6 0420 2M tlk, crooner (Newbury-NE)  
 4902 SHRI LANKA SLBC 4/7 2349 chants, weak (Clark-ON)  
 4905 CHINA CPBC 2 2/9 2320 in Mandarin to 2330\* (Johnston-KY)  
 4909.6 CAMBODIA R Phnom Penh 3/21 1103 nx, long tlk, radio drama  
 (D'Angelo-PA) 2/26 2311 nx, ID (Orr-VA)  
 4910 HONDURAS LV Mosquitia 3/28 0128 rel, 0200 EG (Field-MI)  
 4915 COLOMBIA Armonias del Caqueta 3/18 0230 IDs, ballads (Daven.)  
 4915 GHANA GBC 3/10 2200 tribal mx, EG ID, nx, HA (Davenport-TN)  
 4920 AUSTRALIA ABC Brisbane 0908-1335 ABC nx, 40s mx, ID 1200  
 (Frodge, Lamb, Montgomery, Newbury)  
 4920 INDIA Madras 4/5 0023 sitar, tent ID, EG nx 0035 (Clark-ON)  
 4925 ECLIVIA San Miguel 3/6 0946 nx, slogans, TC, sfx (Clar-NY)  
 4925 JULATRA Jambi 3/20 1250 pop mx, ID, SCI (Pitts-NE)  
 4935 BRAZIL Capixaba 3/24 0803 rel, canned ID, ads (Orr-VA)  
 4935 KENYA KBC 3/14 0209 EG tlk, pops/ballads, nx, ID (Crr-VA)  
 4935 PERU R Tropical 2/15 0948 folk mx, ads, ID (Camporini-ARG)  
 4940 UNITD 3/21 1320 slow hymns, piano mx, poss EG (Sams-MO)  
 4943.6t PERU Onda Verde 3/20 1033 TCs, mx pgm (Field-MI)  
 4944.5 PERU Onda Verde 3/9 1050 huaynos, ads, ID, sfx, tx Johnson  
 (Crr-VA)  
 4950 PERU Madre de Dios 3/10 0007 ID, anmts, ballads (Orr-VA)  
 4955 BRAZIL Marajoara 3/19 0237 tlk, ID, ment Belem (Klinck-NY)  
 3/17 0800 pops, jingles, IDs, sfx, TCs (Orr-VA)  
 4960 DOM REP Cima Cien 0820, 0100 merengues, IDs, jingles  
 (Perdomo-CUBA, Jordan, Davenport, Johnston)  
 4960 INDIA Delhi 4/5 0031 lcl nx, SC vols not //4920 (Clark-ON)  
 4960 PERU La Merced 3/7 0340 LA mx, excited anncr (Newbury-NE)  
 4960.7 ECUADOR Federacion 3/25 2348 Quechua, vcl, NA, ID (Orr-VA)  
 4964 BRAZIL R Poti 4/6 0756 rel tlk, IDs, hymns (Orr-VA)  
 4965 BOLIVIA R Juan 23 2/15 1000 radio class "El Maestro en  
 Casa." (Camporini-ARGENTINA)  
 4970 VENEZUELA Rumbos 0130-0427 TC, ballads, ads, IDs, futbol,  
 salgas (Bickus, Davenport, Frodge, Serra, Newbury)  
 4974 PERU R del Pacifico 2/27 \*0945 NA, ID anmts (Camporini)  
 4975 BRAZIL R Tupi 3/16 0804 rel, ID, TC, jingles (Orr-VA)  
 4975 CHINA Fujian PBS 3/7 1333 nx, tlks, mx (Lyon-IN)  
 4980 VENEZUELA 0130-0342 speech, IDs, rumbas, greetings, etc.  
 (Davenport, Bickus, Jordan, Newbury, Serra)  
 4990 CHINA Hunan PBS 3/17 1113 CH tlk & mx (Compton-SINGAPORE)  
 4990 INDIA Madras 3/27 0002 Tamil 9950// ID, nx, film mx (Orr-VA)  
 4990 NIGERIA RN 3/3 2225 anti-drug PSA, IDs, TC (Clar-NY)  
 4990.6 BOLIVIA R Animas 3/20 0310 rustic mx, ID, Happy Birthday  
 tune, ad string (D'Angelo-PA)  
 5000p ERITREA Vo Broad Masses 4/3 0330 tlk in lang, short mx  
 bridges, readable in absence of VVV tones (Clark-ON)  
 5009 MADAGASCAR RM 3/26 0302 tlk, ID, theme, nx (Orr-VA) 3/24  
 0258 good sig at s/on (Field-MI)  
 5010 SINGAPORE SBC 2/26 2303 EG nx //5052 (Orr-VA)  
 5015 BRAZIL Brasil Tropical 3/26 0718 campo mx, ID, ads (Orr)  
 5015.4 PERU Estacion Tarapoto 3/20 1026 nx, TC, IDs (D'Angelo-PA)  
 3/6 1036 nx, anmts, IDs, echo, TC (Clar-NY)  
 5019.9 COLOMBIA Ecos del Atrato 3/26 0254 IDs, slogans (Clar-NY)  
 3/21 0402\* ads, IDs, ment Caracol (Alexander-PA)  
 5020 ECUADOR LV del Upano 3/27 0302\* nx, interviews (Jordan-PA)  
 5020 SOL ISL SIBC 3/24 0757 flute, tlk, ID (Orr-VA)  
 5025 BRAZIL Transamazonica 3/3 0810 morn pgm, sfx, IDs (Orr-VA)  
 5025 CUBA Rebelde 0110, 1027 pol tlk, IDs, baseball, tlk abt  
 drugs, drama (Davenport, Serra, Bickus, Newbury, Robertson)

5026 UGANDA RU 3/28 0315 tlk in lang, 49:6 in EG (Clark-ON)  
 5030 ECUADOR Catolica Nac 1016 "Panorama Eciesial" (Perdomo-CUBA)  
 5030 VENEZUELA Reloj Continente 2/27 0250 TC, ID (Camporini)  
 5045 BRAZIL Cultura do Para 4/1 0140 mx, echo IDs, ads (Jordan-PA)  
 5046 PERU Estacion Yurimaguas 3/19 1022 mx, TC (Field-MI) 3/9  
 1024 huaynos, TC, 1038 ID, tnx Johnson (Orr-VA)  
 5047 TOGO Rdf Togolaise 3/6 2315 Afr. pops, Latino sound (Frodge)  
 5050 COLOMBIA LV de Yopal 0100-0402 ballads, IDs, ment Caracol  
 (Jordan, Bickus, Alexander, Serra, Newbury)  
 5050 ECUADOR Jesus del Gran Poder 4/3 0100\* rel, Hail Mary,  
 hymns, ID (Jordan-PA) 2/27 \*0930 NA, ID (Camporini-ARG)  
 5052 SINGAPORE SBC 2/26 2236 EG pops, Radio 1 IDs (Orr-VA)  
 5055 COSTA RICA TIFC 3/7 0524 rel tlk, organ (Newbury-NE)  
 3/23 1145 ID, long tlk, mx interlude (Lyon-HN)  
 5055 SWAZILAND TWR 3/20 \*0355 IS, ID, GM rel (Alexander-PA)  
 5056 FRENCH GUIANA RFO Cayenne 3/30 0642 FR nx, Blueberry Hill,  
 ment Mitterand (Moore-KY)  
 5060.6t ECUADOR RN Progreso 3/21 0240 LA vcls, M DJ (Shaw-KY)  
 5066.3 ZAIRE R Candip 4/3 0325 IS, FR annt, drums, vcls (Clark-ON)  
 5075 COLOMBIA Caracol 0440, 1050 phone in show on parenting,  
 nx, IDs in SP/FR! "La Vida" drama, Coke ad (Bickus, Serra,  
 Robertson, Lyon)  
 5082p PERU R Mundo 3/23 1034 mx weak, ID (Field-MI)  
 5125 CHINA CPBS Taiwan 1 2/27 2248 CH tlk, 5+1 TP, ID (Orr-VA)  
 5131 PERU R Vision 3/29 0408\* ballads, ID, NA (D'Angelo-PA)  
 3/26 0443 pops, IDs, Hava Nagila! (Orr-VA)  
 5256.4 SUMATRA Sibolga 4/4 2345 KD, SCI, etc. (Clark-ON)  
 5385 PERU Tayabamba 3/27 1036 OA mx, ID 1041 (Field-MI)  
 5486.6t PERU Onda Popular 3/14 2346 ballads, partial ID, TC (Orr-VA)  
 5602.6 PERU unid 3/21 1028 OA mx, TC, ment Puerto Maldonado (Sams-OK)  
 unid 3/28 1031 Sl mx pgm, faded by 1037 (Field-MI)  
 5700 PERU Frec. San Ignacio 3/10 0133 ballads, ID (Orr-VA)  
 5740 CLAND Vo Mojahed 3/14 2332 Farsi, Koran, jammed (Orr-VA)  
 5769.6 PERU unid 3/14 2331\* R Continente or Continental, mx PCM  
 deep fades, help! (Orr-VA)  
 .5770 NICARAGUA Miskut 3/25 2321\* ballads, full ID, NA (Orr-VA)  
 3/21 0007\* tlk, US pops, ID (Alexander-PA)  
 5800 PERU Nuevo Cajamarca 1001 ID, TC, FC, ads (Perdomo-CUBA)  
 3/16 \*1001 OA NA, sfx, ID w/echo, huaynos (Orr-VA) 3/7  
 1020 ID, huaynos (Alexander-PA)  
 5825 USA WENW 3/5 2300 "Miracle of the Eucharist" (Frodge-MI2)  
 2/17 2300 to Europe, ID & IS (Johnston-KY)  
 5880 CHINA CPBS 4/10 1110 piano, chorus, YL tlk, ID (Robertson-CA)  
 3/6 1320 soft swing, CH melody, good (Newbury-NE)

And with that we come to the end of the loggings portion of the tropical bands column. Thank you, GIOVANNI SERRA for the station stickers & loggings! This month reporters from 12 states, 1 province and 6 foreign countries! Antena Portena is a bulletin published by LUIS VARGAS in Panama.

This month ye editor also logged a couple of these Peruvians with Radio Chota and Radio Vision. It helps having a target list and putting frequencies in the receiver's memory for checking those out of band frequencies.

By now you may have heard that WWCR was burned down, suspected arson. The station does plan to rebuild. Check for WWCR's programming on other American SW stations in the meantime. We are very sorry to hear about this tragedy. Keep informed of WWCR's progress and lots of other station news on GLENN HAUSER's DX Daily Tuesday-Saturdays at 0130 on WHRI 7315 kHz. Next Deadline is May 21 to me. Keep up the good work; good program details!



# International Band Loggings

Wallace C. Treibel  
357 N.E. 149th Street  
Seattle, WA 98155

- 5930 CZECH/SLOVAK CSRI in EG \*0100-0130\*, IS, ID, tlk re Slovakian Easter customs, //9810 (Lamb NY, Levison PA) in SP 0204, tlk by Havel, mailbag (Bickus VA 3/22)
- 59345v PARAGUAY R Guaira(t) in SP \*1009, instrmls, ID?, f/out 1020 storm (Orr VA 4/6)
- 59502 GUYANA V of Guyana in EG 0920, reggae, film mx, IDs, ads, exc (Orr VA 4/6)
- 5960 CANADA R Japan relay in EG 0315, "Japan Diary", exc (Keen MO 3/2)
- 5965 ECUADOR LV del Upano in SP 0021, tlks, ID's, slogans, Andean mx (Clar NY 3/16)
- 5965 GREECE VOA relay Kavalla in Kurdish 0305, US pops, ID's, QTH, tlks (Orr VA 3/15)
- 5990 ITALY RAI in EG 0430, nx, ID, Italian mx, IS bird chirps 0440\* (Tucker GA 3/18)
- 5995 MALI RTVM Bamako in FR 2208, Afro & pop mx, QRM Canada, //4835 (Frodge MI 3/6)
- 5995 AUSTRALIA RA in EG 1122, instrmls, ID, fqys, //6020 (Robertson CA 4/10)
- 6005 ASCENSION IS BBC rely in EG 0445, African & financial nx, ID (Tucker GA 3/19)
- 6005 SEYCHELLES BBC relay in EG 2140-2159\*, svce to Africa, CIQC not hrd (Berg MA)
- 6010 CUBA RHC in EG 0455, "Azucar", pop mx, cmntry (Bickus VA 3/26, Newbury NE 3/6)
- 6010 MEXICO R Mil in SP 0945, pops, ID's w/whistle, TC's (Clar NY 3/6, Frodge MI 3/7)
- 6015 GREECE VOA relay Kavalla in Pashto 0200, ID in EG, cont in Dari? (Shaw KY 3/21)
- 6020 AUSTRALIA RA in EG 1030, nx, mx, sports (Frodge MI, Grenier NV, Davenport TN)
- 6020 SWAZILAND TWR in lang \*0355-0414\*, IS, ID in EG, AF rel mx (Alexander PA 3/21)
- 6045 COLOMBIA R Melodia in SP 0958, tlks, ID, pops, QRM HCJB on 6050 (Orr VA 4/7)
- 6050 MALAYSIA RIM Sarawak in lang 1105-1420, Koran, ezl mx, pips, ID's, HCJB s/on at 1118 heavy QRM (Orr VA 3/24, Sams 3/21, Shaw KY 3/19)
- 60698 INDONESIA RRI Jayapura in IN 1200, lcl nx, //48812, g over CFRX (Clark ONT 4/3)
- 60885 CHILE R Esperanza in EG 0855, rel pgm, gospel mx, ID, SP 0902 (Alexander 3/21)
- 6110 PHILIPPINES VOA relay in EG 1138, "Press Conference USA" (Robertson CA 4/10)
- 6120 CANADA R Japan relay in EG 1116, letters from listeners, ID (Grenier NV 3/21)
- 6120 GERMANY D Welle in EG 0305, peace tlk in Bosnia, other nx, ID (Newbury NE 3/6)
- 6130 GHANA R Ghana Accra in EG 0704, Afro pops, ID's, cmntry, no CHINXI (Orr VA 3/16)
- 6135 SWITZERLAND SRI in EG 0205, European nx, feature (McGuire MD 3/30, Newbury NE)
- 6141 PERU R Concordia in SP 1025, rapid fire tlk, ID, TC, ads (Orr VA 4/7)
- 6150 COLOMBIA Caracol Bogota in SP 0402, ID, ancmts, promos, f (Newbury NE 3/6)
- 61539 ANGOLA ER de Benguela in PT 0510, tlks, //50413, f/QRM 6155 (Clark ONT 3/21)
- 6155 SINGAPORE SBC Jurong in Malay 1131, nx, pop mx, Tiger Stout ad fair (Orr 3/24)
- 61612nf? VIETNAM Hanoi DS in VT 1122, tlk, vp, //s 50317, 10059 (Clark ONT 3/27)
- 6165 NETH ANTILLES RN relay in EG 0013, "Happy Station" mx (Tucker GA, Levison PA)
- 6170 BRAZIL R Cultura in PT 0900, full ID, QTH, canned ads, campo mx (Orr VA 3/24)
- 6190 PERU R Oriente in SP \*0900, ID, tlk, TC's, Andean mx, ads, promos, slogans, huaynos (Shaw KY 3/21, D'Angelo PA 3/20, Clar NY 3/12, Orr VA 3/14)
- 62037 PERU R Cuzco in SP 1010, NA, tlks, rustic vocals, flute mx, ID, moved here from 61917 (Berg MA 3/6, D'Angelo PA 3/21, Sams OK 3/21)
- 6235 BULGARIA R Sofia in EG 1849, pgm on economics, ID, QRM RTTY (Serra ITALY 3/4)
- 6250 EQUATORIAL GUINEA RN Malabo in SP 0508, exc hi-life African rhythms (Shaw KY)
- 6576 NO KOREA R Pyongyang in EG 1106, nx, propaganda, //9977 (Frodge MI, Grenier NV)
- 67243 PERU R Satelite in SP 0152, ID, TC, NA, mx, jingle, tlks (Orr 3/27, Shaw 3/21)
- 67547 PERU R La Merced in SP 0226\*, huaynos, TC's, clear ID, NA at s/off (Orr 3/27)
- 6825 CHINA R Beijing feeder in CH 1014, tlks, R Beijing ID, instrmls (Orr VA 3/24)
- 6910 EQUATORIAL GUINEA R Africa 2000 in SP 2201\*, interviews, pop mx, NA at s/off, Full ID & fqys, guitar mx bridge, //6250 (Frodge MI 3/6, Orr VA 3/25)
- 7115 UNIDENTIFIED in AR to 0250, ID's like "Huna Bah-ron", gongs 0230 (Sams OK 3/21)
- ED: Could this be Tehran with a listed 7115 fqy in WRTM & AR from 0230 on 9022?
- 7150 LITHUANIA R Vilnius in EG 0010, mailbag, DX club promo, ID (Clar NY, Newbury NE)
- 7160 MALAYSIA RIM Sarawak in CH 1145, tlks, Broadway mx, into EG 1200 (Lyon MN 3/17)
- 71687v SENEGAL ORTS Dakar in FR/vern 0101\*, lcl mx, ID, NA (Alexander PA, Clar NY 3/31)
- 7200 SUDAN NBCC Sawba in AR \*0250, IS, NA, ID, fqys, Koran (Johnston KY, Shaw KY)
- 7215 SWAZILAND TWR in Chewa/EG \*0355, IS, ID, lcl AF rel mx, "Bible College by Radio" (Alexander PA 3/20, Lamb NY 4/5, Orr VA 3/25)
- 7225 BULGARIA R Sofia in EG 0100, ID, mailbag, folk mx, nx (Moore KY, Newbury NE)
- 7245 ANGOLA R Nac in PT 0413, "Madrugada" pgm of slo ballads, ID, nx (Orr VA 3/25)
- 7255 NIGERIA VON in EG 0500, NA, drums, ID, pgm review (Newbury NE, Keen MO 3/12)
- 7285 MALI RTVM Bamako in FR \*0651, IS, brief NA, ancmts, ID, fqy, Koran (Orr VA 3/14)

7290 BULGARIA R Sofia in EG 0404, nx, ID, mx, rel cmtry, g (Levison PA 3/21)

7290 SWAZILAND TWR in lang \*0255-0329\*, IS, EG ID, lcl Af rel mx, Af/Anglican plain-song chant, s/off on Saturdays is 0344 (Alexander PA 3/21, Newbury NE 3/8)

7305 VATICAN STATE VR in EG 0250, rpt on Galileo, relig tlks (McGuire MD, Newbury NE)

7345 CZECH REPUBLIC R Prague in EG \*2358-0030\*, IS, ID, nx, feature (Lamb NY 4/12)

7370nf? BELGIUM R Vlaanderen in EG 0038, "Belgium Today", ID, exc (Newbury NE 3/6)

7375 COSTA RICA RFPi in EG 0215, Hauser's DX pgm (Newbury 3/7, Keen MO 3/12)

7440 ARMENIA R Yerevan in EG 2242, nx (all bad), into RS 2255 (Frodge MI 3/6)

7580 NO KOREA R Pyongyang in JP 0905, long tlk by M ancr, //6560 (Orr VA 3/26)

7670 BULGARIA Bulg R Stolnik in BG 0410, feature, ID, pop mx (Orr 3/26, Shaw KY 3/17)

9290 CHINA CPBS-1 in CH 2051, folk songs, tlk, pips, ID (Serra ITALY 3/25)

9345 NO KOREA R Pyongyang in FR 2103, NA, tlk, ID, nx, g (Serra ITALY 3/25)

95049 PERU R Tacna in SP 0948, nx, ID's, TC's, ad strings, f-g (D'Angelo PA 3/20)

9515 CANADA BBC relay in EG 1135-1300, nx, features, sports, vg (Jordan PA 3/31)

9515 BRAZIL R Novas de Paz in PT 235, tlks, ID, ads, f (D'Angelo PA 3/8)

9530 SPAIN SNR in EG 0105, nx, cello IS, ID (Levison PA, McGuire MD, Newbury NE)

9535 JAPAN R Japan in EG 1741, pgm on orchids, cmtry, g (Newbury NE 3/6)

9540 AUSTRALIA RA in CH 1244, CH folk mx, nx, ID in EG (Johnston KY, Robertson CA)

9540 BRAZIL R Educadora Bahia in PT 0906, ballads, tlks, mx, full ID (Orr VA 3/3)

9545 SOLOMON IS SIBC in EG/Pidgin 0750-1130\*, ID's, pop & island mx, fqys, TC's, pips sports cmtry (Orr VA, Lamb NY, Clar NY, D'Angelo PA, Carter WA)

9560 FINLAND RF in EG 0304, Finnish presidential election campaign (Bickus VA 3/17)

9570 ROMANIA RRI in EG 0248, folk mx, light opera, NA at 0300 s/off (Newbury NE 3/8)

9570 PORTUGAL RP in PT 0130, interviews, ID, TC, sports, //9705 (Shaw KY, Newbury NE)

9580 ALBANIA R Tirana in EG 0240, nx, cmtry, mailbag (Newbury NE, Bickus VA 3/17)

9600 MEXICO R Universidad in SP 1245, tlk, nx w/chimes bridges, ID (Johnston KY)

96124 INDONESIA RRI Jayapura in IN 1400, IS, lcl nx, NA, ezl mx, fair audio level until swamped by R Veritas Asia at \*1432 (Clark ONT 3/14)

96144 INDONESIA RRI Samarinda in IN 1140-1320, full ID, fqy, orch & vocal mx, Jakarta nx, Hindi sounding mx (D'Angelo PA, Clark ONT, Pitts NE, Orr VA)

9615 PHILIPPINES R Veritas Asia in CH 1500, mx, tlk, full EG ID 1530\* (Johnston KY)

9837v MOZAMBIQUE EP de Sofala in PT 1410, nx, African mx, f (Sams OK 3/20) ID?

9650 SWITZERLAND SRI in EG \*0000, IS, ID, fqys, nx to C Am, f-g (Moore KY 3/17)

9655 NORWAY RNI in NO 2259, ID, IS, fqy, nx headlines, f (Clar NY 3/7)

9655 THAILAND RT in JP 1424, IS, ID/fqy in EG, into Burmese 1426, f (Clark ONT 3/14)

96594 VENEZUELA R Rumbos in SP/EG 0500\*, EG s/off ancmts, ID w/all call letters, QSL for \$1.00, //4970, ment 9770 not 9660-future fqy change? (Alexander PA 3/28)

96649 BRAZIL R Marumbi in PT 0030\*, rel pgm, speech, ads, ID (Johnston KY, Clar NY)

9675 INDONESIA VOI in IN 1259\*, pop mx, ID, fqy anmt over guitar (D'Angelo PA 3/20)

9680 INDONESIA RRI Jakarta in IN 0014, NA, lcl nx, tlk, p (Clark ONT 4/5)

97049 SAUDI ARABIA R Riyadh in EG-2100\*, AR mx, nx, TC's, wx, ID (Alexander, D'Angelo)

9705 PORTUGAL RPI in EG \*0230-0300\*, ID, fqy, nx, choral NA, //9570 (Jordan PA 3/19)

9715 THAILAND VOA relay in CH 1400, fanfare, anmt, ex 9615 (Clark ONT 3/14)

9715nf? QATAR Qatar BS in AR 1931, instrl mx, tlk, ID, AR vocals (Orr VA)

9720 SRI LANKA SLBC in EG 0121, pops/soul mx, ID's, mail, TC, p-f (Clar NY 3/28)

9725 BRAZIL R Clube Paranaense in PT 0833, tlk, nx, TC's, ID's, jingles (Orr VA)

9740 SINGAPORE BBC relay in EG 1320, "Newshour", feature (Johnston KY, Shaw KY 3/19)

9750 SO KOREA RK in EG 1305, IS, ID's, fqys, nx, mailbag (Newbury NE, Moore KY 3/22)

9770nf UNITED ARAB EMIRATES UAE R in EG \*2159, s/on w/Big Ben chimes, pips, NA, relig recitations, lcl mx, //11710, 11885 (Alexander PA 3/28)

9790 FRANCE RFI in FR 0036, ID, jazz mx, cmtry (Tucker GA 3/15)

9815usb CUBA RHC in EG 0155, mx, ID, not audible in LSB, //6010 (Johnston KY 3/12)

9860 RUSSIA R Nederlands relay Irkutsk in EG 1106-1125\*, new RS site with pgm re the reunification of the two Koreas, //7260 (D'Angelo PA 3/9)

9860 UKRAINE RUI in EG 2218-2230\*, Ukraine dairy pgm, mx, ID (Montgomery PA 3/10)

9875 AUSTRIA RAI in EG 0130, nx, fear N Korea has A-Bomb, ID (Newbury NE 3/7)

9905 BELGIUM R Vlaanderen in EG 0740, DX pgm, tlk re Belg university, ID (Serra 3/13)

9935 GREECE RS Makedonias in GK 2009, tlk, anmts, ID, pop mx, //7430, 11590 (Clar NY)

9977 NO KOREA R Pyongyang in EG 2325, cmtry, opera mx, ID (Frodge MI, Keen MO)

10234usb ITALY RAI feeder in IT/EG 0407, nx, Mozart mx, ID, EG nx (Lamb NY, D'Angelo PA)

10330 INDIA AIR Delhi in HD 0215, subcont mx, pipe on half hr (Sams OK 3/21)

11335 NO KOREA R Pyongyang in EG 1112, nx, ID's, feature, fqy (Pappas SD, Newbury NE)

11445 CHINA CRI Beijing in CH 2056, lite instrl mx, abrupt off 2057 (Frodge MI 3/5)

11570 PAKISTAN RP in lang/EG 1659, ID, nx, cmtry, Koran (Serra ITALY 3/8)

11587 ISRAEL Kol Israel in EG 1803, nx, ID, wx, pips, into FR 1815 (Serra 3/1)

11588 ISRAEL Kol Israel in RS 2120, nx to IS s/off 2124, //11604 (Frodge MI 3/5)

11620 INDIA AIR in EG 1750, Indian songs w/sitar, ID, nx, f (Newbury NE 3/6)

11695nf? IRAQ Rep of Iraq R in AR 2217, strident AR mx, ID 2230, tlks (Orr VA 3/9)

11700 GUAM KTWB in CH 1546, long tlk, rel pgm, insp mx, ID, off 1556, p (Clar NY 3/14)

11710 UNITED ARAB EMIRATES Abu Dhabi in EG 2334, Ramadan practices, ID (Newbury 3/6)

11710 SEYCHELLES FEBA in EG 1459, IS, ID, "Back to the Bible" (Carter WA 3/19)

11715 PHILIPPINES VOA relay in EG 1230, pgm re Andre Previn (Orr VA, Shaw KY 3/19)

11715 ALGERIA R Algerienne in EG \*2100, ID, QTH, nx, skit, f (Jordan PA 4/3)

11720 BULGARIA R Sofia in EG 2030, ID, fgy, nx, mx (Tucker GA, Levison PA, Newbury NE)

11730 CYPRUS BBC relay in AR 1955, nx, cmntry after Big Ben, ID, tlks (Orr VA 3/16)

11755 FINLAND RF in FR/EG 0735, polit pgm in FR, into EG 0745, ID (Serra ITALY 3/20)

11770 INDIA AIR Khampur in EG 1221, nx re 3/12 bombings in Bombay, //4860 (Clark ONT)

11770 UKRAINE RU in UK(p) 1900, IS, ID, round table tlk, orch mx, nx? (Jordan PA 3/27)

11785 THAILAND VOA relay in CH 1100, ID, IS, nx, EG lang lesson, "Civil War" theme mx, drama (Clar NY 3/6, Lamb NY 3/20, Jordan PA 3/19, Orr VA 3/16, D'Angelo PA 3/8)

11800 ITALY RTVI Rome in EG 0107, ID, nx, IT pop mx, male tenor (Newbury NE 3/7)

11800 SRI LANKA SLBC in HD 0045+, subcont mx, EG ID's (Shaw KY, Clar NY, Newbury NE)

118099 IRAQ R Iraq Int in EG 2045, nx, cmntry after Big Ben, ID, QRM from D Welle (Terrence NY 3/21)

11815 POLAND Polish R Warsaw in GM 1235-1255\*, tlks, ID, instrumental mx (Orr VA)

11820 HONG KONG BBC relay in EG 1300, nx, tlk on S Afr unrest, ID (Robertson CA 4/10)

11827 FRENCH POLYNESIA RFO Tahiti in FR/TT 0300, island mx, ID (Newbury NE, Shaw KY)

11835 NETHERLAND ANTILLES RN relay in EG 0118, classical mx, ID, g (Levison PA 3/22)

118357 URUGUAY R El Espectador in SP 2320, LA mx, ID, promos, ads, jingles (Clar 3/23)

11840 SEYCHELLES FEBA in lang 1720, Afr tribal mx, ID, IS, tkl, f (Clar NY 3/20)

11885nf? UNITED ARAB EMIRATES Abu Dhabi in EG 2332, press review, ID, tkl (Clar 3/23)

11905 ITALY RIVI in IT 0210, continuous varied mx sels, ID, g (Levison PA 3/15)

11920 ARMENIA R Yerevan in lang 2230, ID, nx, voice overs, QTH, p (Jordan PA 3/25)

11940 SINGAPORE Radio One in EG 154-1606\*, pops, ID, pips, nx (Carter WA 4/13)

11980 GUAM KSDA-AMR in EG 1559, ID, feature (Carter 3/19) in KR 2042, rel pgm (Orr VA)

11990 CZECH REPUBLIC R Prague in EG 0001, nx, cmntry on urban problems (Newbury NE)

12015 GABON RPTI relay in EG 1619, tkl on French national elections (Carter WA 3/20)

12035 SPAIN REE in SP 1150, "Union Europa", ezl songs, ID, nx, pips (Serra ITALY 3/6)

12110 CHINA CRI Kunming in EG 1211, feature on PRC hosting Olympics (Frodge MI 3/6)

12175usb RUSSIA R Rossii feeder in RS 0534, nx re Yeltsin, pop mx, ID, f (Lamb NY 3/27)

12360nf? CUBA RHC in SP 0500\*, Ortega speech, IDs, nx, NA, IS (Lamb NY 3/31, Levison PA)

13590 PAKISTAN RP in EG 1600, ID on hr, nx, cmntry, f-g (Klinck NY 3/26)

13595nf USA WJCR Kentucky in EG 2305, gospel mx, rel message, QTH, ID (Jordan PA 3/20)

13620 BANGLADESH RB in EG 1228, IS at s/on, ex 15200, alt 13610 some days (Clark ONT)

13625 NO MARIANAS KHBI Saipan in EG/FR 1203, CSM nx, Amer Pub R, ID, f (Robertson CA)

136301 COSTA RICA RPPI in EG 1505, Amnesty Intl pgm, f (Frodge MI 3/6)

13675 UNITED ARAB EMIRATES Dubai in AR 1641, AR mx (Levison PA) in EG 0357\* (Keen MO)

13720 GUAM KSDA-TWR in lang 1205, religious mx pgm, ID AMR, p (Robertson CA 4/10)

13750 COSTA RICA AMR Lat Amer in EG \*1200, lite mx, site ID, sked, rel mx (Jordan PA)

13780 MONGOLIA R Ulan Bator in EG 1506, mx, ID, QTH for QSL rpts (Carter WA 3/19)

13790nf? PORTUGAL D Welle relay in EG 0350\*, "Insight", site ID in PT, IS (Lamb NY 3/31)

13830 CROATIA CR Zagreb in CR/EG 2009, CR nx, ezl mx, IDs, EG nx, f (Lamb NY 4/11)

15009 VIEトナム VOV in EG 1251, 1615, 1823, 1939, 2031, tlk re refugees, ID, nx, trad mx (Frodge MI 3/20, Serra ITALY 3/25, Carter WA 4/2, Clar NY 3/20, Tucker GA 3/26)

15020 INDIA AIR in EG 1400, ID in EG, into lang, armchair copy (Klinck NY 3/19)

15095 SYRIA R Damascus in EG 2008, ID, AR mx, nx, //12085 (Newbury NE, Shaw KY 3/18)

15110 INDIA AIR Bangalore in EG 2315, ID, sked, promos, classical IN mx (Clar NY 3/7)

15125 RUSSIA AMR Samara in EG 1605, drama, QTH, ID in EG/FR/GM/IT (Carter WA 4/2)

15130nf NO KOREA R Pyongyang in KR/EG 0040\*, long tlks in KR, jaunty instrmls, sked & target areas, QTH, s/off "Good-bye dear listeners", f (Jordan PA 3/27)

15174v FRENCH POLYNESIA RFO Tahiti in FR 0325, island mx, IDs (Clark ONT, Davenport TN)

15185 INDIA AIR Bangalore in AR 1824, tlks, ID, subcont mx, f (Clar NY 3/20)

15205 MALTA D Welle relay in EG 0350\*, "Larry's Random Selection", site ID (Lamb 3/29)

15220 EGYPT R Cairo in AR 1450, tlks, AR amx, ID, f (Pappas SD 3/31)

15235nf? GEORGIA R Tbilisi in lang 1700, IS chime, ID on hr, 3 pipe, NA (Shaw KY 3/20)

15265 QATAR Qatar BS in AR 1920, AR pop mx, ID 1928, pipe, nx, QRM BBC 15260 (Orr VA)

15270 ECUADOR HCJB in EG \*0659, "Friends of Israel", ID, //11835 (Alexander PA 3/21)

15305 PHILIPPINES VOA relay in EG 2212, "Newline", IDs, slo-speed nx, p (Orr VA 3/25)

15320 MOROCCO VOA relay Tangier in EG 2025, "The World Tonight", ID, fgy (Orr 3/16)

15325 FR GUIANA R Japan relay in EG 0315, spec on Russia's ties w/Japan (Tucker 4/1)

15360 SINGAPORE BBC relay in EG/CH 1152, lang lesson, ID, QSB, f (Robertson CA 4/10)

15365 FRANCE RFI in EG 1242, FR press review, rpts on FR elections (Tucker GA 3/29)

15365 AUSTRALIA RA in EG 0342, Australian pop mx, interview, reggae (Lamb NY 4/12)

15420 SEYCHELLES BBC relay in EG 0332, "Network Africa", Afro pops, //6005 (Lamb 4/12)

15420 SO AFRICA BBC relay in EG 1750, sports resume, ID, TC, "Newsdesk" (Clar NY 3/20)

15425 AUSTRALIA VLW15 ABC Perth in EG 0148, US/Aus pop rx, ment ABC, nx (Orr VA 3/25)  
 15425 SRI LANKA SLBC All Asia Svce in EG 0025, pop rx, //9720 (Clark ONT 4/8, Shaw KY)  
 15445 BRAZIL RN Brasilia in EG 1245, BR pope, today's theme: day to day life in Brazil  
 (Montgomery PA 3/6, Newbury NE 3/26, Anderson MI 3/27)  
 15470 UZBEKISTAN R Tashkent in EG 1215, nx, polit cmntry, ID, lcl mx (Jordan PA 3/21)  
 ED: Apologies for placing Tashkent in the Ukraine last month!  
 15520 CZECH REPUBLIC R Prague in FR 1628, IS, ID, nx, GATT tlks, f (Clar NY 3/14)  
 15530 FRANCE RFI in EG 1608, nx re starvation in Somalia, //12015, 17620 (Newbury NE)  
 15575 SO KOREA R Korea in EG 0025, ID, IS, NA, fqys, nx, DX pgm (Tucker GA, Keen MO)  
 17490usb ECUADOR HCJB Quito in EG 0030, nx, Studio 9 req comments, g (Levison PA 3/16)  
 17525 GREECE VoG in EG 1845, nx headlines, tlks, IDs into GK 1848, f (Clar NY)  
 17555 NO MARIANAS KHBI Saipan in EG 0211, religious tlk on Chris Sci (Newbury NE 3/7)  
 17605 NETHERLAND ANTILLES RN relay in EG 1935, nx, mx of the 70's, phone interview,  
 cmntry, s/off 2027 (Anderson MI 3/28, Levison PA 3/15)  
 17620 FRANCE RFI in EG 1600, ID, nx, pgm on Africa (Anderson 3/13, Levison PA)  
 17690 UKRAINE RUI via Russia in EG 0120, show tunes, ID, mail, g (Newbury NE 3/7)  
 17710nF? SO AFRICA Channel Africa in EG 1719, drama, pops, IDs, fgy, f-p (Clar NY 3/14)  
 17720 FRENCH GUIANA RPI relay in FR 1620, rock mx, g (Pappas SD 3/31)  
 17730 NORWAY RNI in EG 1910-1930\*, nx, interview, ID, QTH, f (Lamb NY 3/21)  
 17740 YUGOSLAVIA RY in EG 1230, nx on Clintons sending aid to Bosnia (Montgomery PA)  
 17745 ROMANIA RRI Bucharest in AR 1530, IS, NA, AR ID "Huna Bucuresti" (Shaw KY 3/22)  
 17770 EGYPT R Cairo in AR 1355, ancmts w/background mx, ID 1400, g (Shaw KY 3/18)  
 17770 NEW ZEALAND RNZI in EG 0300k, cricket match play-by-play, f (Newbury NE 3/6)  
 17795 AUSTRALIA RA in EG 0200-0525, nx, polit cmntry (Levison PA 3/7, Grenier NV 3/23)  
 17810 ANTIGUA D Welle relay in GM #2000, ID, nx, exc (Anderson MI 3/28, Newbury 3/6)  
 17810 SRI LANKA D Welle relay in EG 1933, New Age mx, fqys, site ID, IS (Lamb NY 3/21)  
 17815 MOROCCO RTVM in AR 1235, class AR mx, Qur'an, //15335 (Pappas SD, Davenport TN)  
 17860 ASCENSION IS BBC relay in EG 1720, "Focus on Africa", ID (Serra ITALY 3/1)  
 17870 SWEDEN RS in EG 1625, tlks on Swedish subway system (Davenport TN, Newbury NE)  
 17900 PORTUGAL RPI in EG 1718, nx, wx, ID (Carter WA 4/1)  
 21455usb? ECUADOR HCJB Quito in EG 0350, "Musical Mailbag", ID (Tucker GA, Newbury NE)  
 21500 SWEDEN RS in EG 1600, nx items, wx, ID, cmntry, g (Levison PA 3/17)  
 21590 NETHERLAND ANTILLES RN relay in EG 1730, nx, ID, wx, "Media Network", DX nx,  
 //21515 (DiBiase ME 4/8, Serra ITALY 3/9)  
 21605 UNITED ARAB EMIRATES Dubai in EG 1342, cmntry on Ramadan fasting (Keen MO 3/6)  
 21655 PORTUGAL RPI Lisbon in PT 1841, mx sels w/vocals, ID 1900, g (Levison PA 3/22)  
 21660 XSCENSTON IS BBC relay in EG 1320, "Newshour", ID, p (Johnston KY 3/20)  
 21675 CANADA RCI in FR 2018-2030\*, tlks, s/off w/IDs (DiBiase ME 4/8)  
 21700 GABON R Japan relay in JP 1653, vocals, conversation, swing mx (Levison PA 3/13)  
 21700 UNITED ARAB EMIRATES Dubai in EG 0539-0554\*, nx, QTH, Ramadan, NA (Serra 3/21)  
 21705 CZECH REPUBLIC R Prague in EG 0729, IS, ID, nx, //17725 (Serra ITALY 3/20)  
 21740 AUSTRALIA RA in EG 0200-0350, coverage of cricket match in NZ (Davenport TN 3/6)  
 21810 BELGIUM BRTV in EG 1400, nx, "Radio World", f (Keen MO 3/6)

\*\*\*\*\*  
CLANDESTINE STATIONS

7340 La Voz del Cid-Guatemala in SP 0123, long anti-Castro tlk, ID, //9942 (Moore KY)  
 ID 1205, martial mx at s/off (Lyon MN 3/9)  
 9350nF V of Human Rights & Freedom of Iran in lang 0315-0424\*, AR mx, many mentions of  
 Iran, NA at s/off, //11470 (Alexander PA 3/28)  
 \*\*\*\*\*

EUROPEAN PIRATE STATIONS

6205 Radio Fax, England "Reflections Europe" 1600-2300 (Berg MA 3/7)  
 62206 DLR, Ireland mx, tlk, ID 0242-0412 (Orr VA 3/27)  
 62949 Radio Caroline ID, mx 0416 (D'Angelo PA 3/21) 2000 (Berg MA 3/7)  
 7380 Idea Radio, Genova, Italy pops, jingles, IDs, QTH 2228-2330 (Berg MA 4/3)  
 \*\*\*\*\*

Ye olde Editor wishes he had the time, space, and energy to include the material on US  
 pirate stations but completing the "conventional" columns is just about my limit. Most of  
 the US pirate loggings came from a handful of members who apparently contribute a great  
 deal of the listening time to pirate activity. My only recommendation is that someone  
 volunteer to edit a special column on this area if there is enough interest shown.  
 Thanks for the excellent loggings submitted this month, as always. Good DX'ing  
 \*\*\*\*\*

# the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

GILBERT AND ELLICE ISLANDS COLONY BROADCASTING SERVICE

"RADIO TARAWA"

Transmitters and Studio are located on Betio Islet, Tarawa Atoll, Gilbert Islands, Central Pacific.

Position : Latitude 0121 North, Longitude 17255 East.

Stations : VTW : operating on a frequency of 844 kilocycles (355.5 metres) with an aerial power of .05 kilowatt. Aerial is a quarter wave folded flat top "Tee".

: VTW-2: operating on a frequency of ~~835~~6055 kilocycles (43.586 metres) with an aerial power of 2.0 kilowatts. Aerial is an 8 element vertical incidence array 40 feet above ground and designed to cover the Gilbert and Ellice Islands group only.

Both transmitters are in use simultaneously. Times of transmission are as follows :-

Times stated are Tarawa Local Times which are 12 hours ahead of Greenwich Mean Time.

English Language      Thursdays 1930 - 2230 hrs

Gilbertese }      Sundays, Mondays, Tuesdays, Wednesdays,  
Ellice        :      Thursdays Fridays, 18x 1630 - 1800 hrs

A programme schedule for overseas listeners is not published as transmission is primarily in local languages and intended only for reception within the Colony.

Your reception report of... VTW-2, 1964.....

of Station..... VTW-2 on 6055 kcs..... is/are confirmed.

Remarks : Thanks very much for keeping on writing to me. I hope one day, you will get a clear reception.

Yours Faithfully,

  
(Signed) Joseph Ellice,  
Acting Broadcasting Officer.

## Radio New Zealand

THE SHORTWAVE DIVISION OF THE N.Z. BROADCASTING SERVICE

M. F. Edward, F. Bellington Jnr. BROOKLYN, N.Y.

Thank you for your report on the transmission from ZL3 on 27/10/48. We are very pleased to verify your reception information.

 Director.

ZL2 on 9.34 mc s in 31 metre band  
ZL3 on 11.78 mc s in 25 metre band  
ZL4 on 15.28 mc s in 19 metre band

Wellington, N.Z.

We call it Kiribati today, but it was the Gilbert and Ellice Islands in November 1943 when 1,000 Americans were killed and 2,000 wounded in the course of taking the island back from the Japanese. Note that the xmtrs of Radio Tarawa were located on Betio, the main island on which the landing took place. At left, a 1948 verif from New Zealand.

North American Shortwave Association  
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