

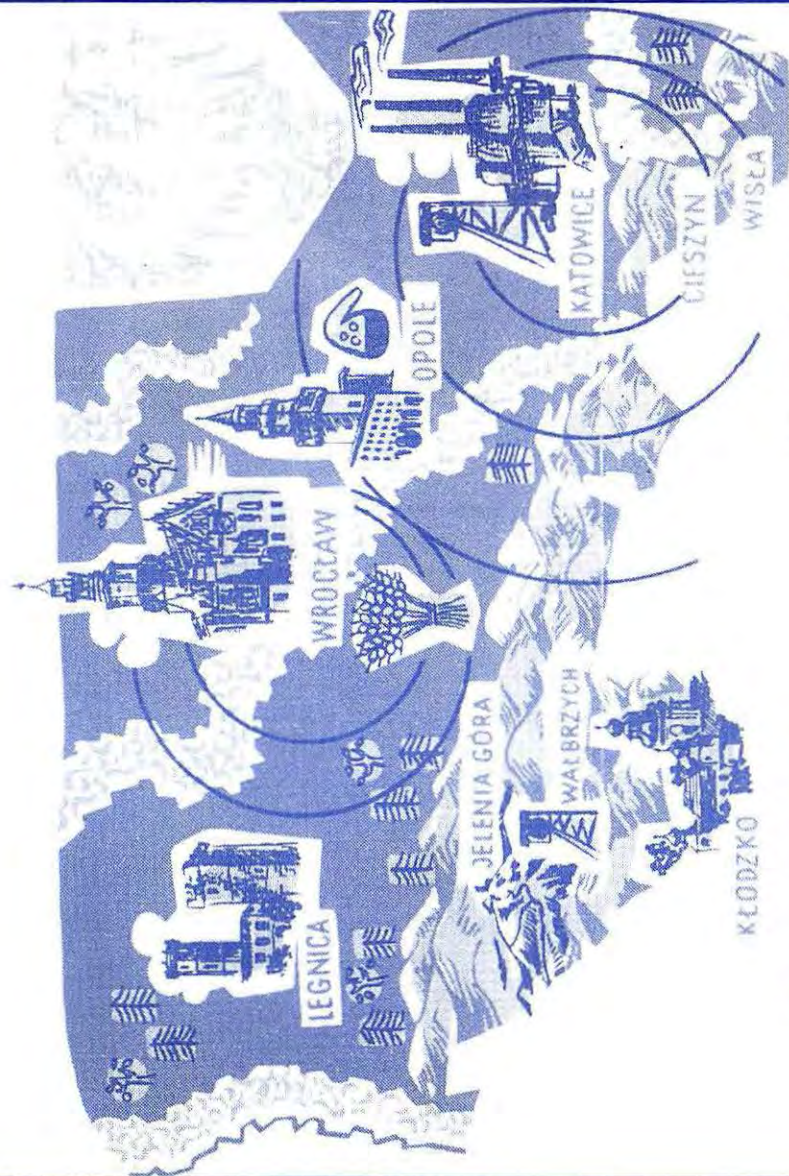
NASA

the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXII, Number 6

June, 1992



WARSAW, POLAND

POLSKIE RADIO

Monitor MORE with equipment from UNIVERSAL RADIO!



HF-150

Universal has finalized an agreement with Lowe Electronics of England to be one of two distributors in the U.S.A. to offer the Lowepro HF-150 receiver. This unique radio provides table-top performance in a very compact and simple portable package. Coverage is 30 kHz to 30 MHz in AM, Sync, AM, LSB or USB. Features 5 digit LCD, 60 memories, 2.5/7 kHz. bandwidth and all metal alloy case. See page 585 of your 1992 WRTH for a peek at this marvel. 3.5"H x 7.8"W x 6.5"D. Contact Universal for complete literature.

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Sony's newest model, the ICF-SW55, is already receiving rave reviews. The SW55 covers longwave, AM, FM and shortwave with excellent performance. Four tuning methods are available: preset station tuning, direct tuning, manual tuning and scan tuning. It features keypad entry, LSB/USB reception, signal strength display, low battery light, local-DX sensitivity switch, fast/slow/lock tuning, 1 kHz display resolution and station name tuning. The sophisticated alpha-numeric data memory system stores up to 5 frequencies per title (125 max). It has a unique dual display world time clock with alarm, sleep and 5-event timer. External jacks for antenna, earphones, recorder and remote. With AC adapter, AN61 wind-up antenna, stereo earphones, wave handbook, soft radio case, and hard case to carry the complete system. 7 3/4" x 5" x 1 1/2" (1 Lb 14 oz). Requires four AA cells (not supplied). One year limited warranty.

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R-7100



As we go to press, we have just received our first order of the new Icom R-7100 VHF-UHF receiver. The radio covers from 25 to 2000 MHz in the following modes: AM, AM-W, FM, FM-W, FM-N, USB and LSB. Nine tuning steps are featured: .1, 1, 5, 10, 12.5, 25, 100 and 1000 kHz. The R-7100 has a nine bank, 900 channel memory. A multifunction clock-timer provides convenience. The analog S-Meter will help you precisely tune stations. Other useful features include: VSC, NB/AFC, keypad entry, illuminated LCD display to 100 Hz., dimmer, attenuator, squelch, dial lock and 1/4" headphone jack. 120/240 VAC. One year limited warranty. (Note: this radio does not receive SW). Specifications subject to change.

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 - Astron RS-20A PS
 - Alinco DJ-580T 2m HT
 - Kenwood TH-28A 2m HT
 - Grundig Traveller II Receiver
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NASWA Notes

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



Greetings! This month our publisher Bill Oliver is vacationing in Kentucky and it's the first time in about 15 years that Bill is missing a publishing weekend. I'm hoping he doesn't make a habit of this! Little League is my excuse for publishing day so Kris Field and Fred Kohlbrenner are doing the honors this month. Thanks guys!

Since I've already mentioned Kris, I have a bit of news from him that I want to pass along. When I took over as Executive Director, I asked Kris if he would act as Assistant. He lives close by, we've known each other very well for many years, and he was a good person to bounce ideas off of so it made a lot of sense. Well, family and work obligations are consuming more and more of his time and he feels that he must step down as Assistant Director. He's still going to be around to help when he can but he feels that he can't obligate himself as the "official" Assistant Director. I respect his coming forward with this and certainly thank him for all he's done to help me along the way. Realistically, he's not going anywhere....he just doesn't wanna be a "heartbeat away". I can understand that, believe me. Those close to me know I've had my moments in this position. Anyhow -- Thanks Kris for your contributions to NASWA.

So, what's next? (Caution...soapbox time coming up...) To tell you the truth I'm not really sure. Nobody is tripping over themselves to fill that slot; at least not that I know about. I'm open to suggestions, as always. Maybe we don't need an Assistant position. If something happens to me I'm sure someone will pick up the pieces.

You know what the most difficult part of this whole deal is? Lack of participation by the membership. Somehow we make it happen every month, but I'll tell ya, it ain't comfy wondering where the next article, editor, or volunteer is going to come from.

(Please, all you loggings and QSL contributors don't take offense. You are very faithful with those roles and many of you contribute every month. I'm specifically addressing articles, news items and musings here.)

You all joined NASWA for a variety of reasons. Perhaps you liked how it looked, or you liked the articles you saw in the sample you received, or the depth of the loggings and Listeners Notebook. Whatever it was or is, you're a member, you pay your money and you expect a 60 page book each month. And I feel very lucky to have the finest bunch of editors in the hobby helping me get this together every month. But...I have this feeling that something is lacking. Do you? Or is it just me? I guess I just feel that we probably have a great deal of SW and DX knowledge lurking around amongst our members that is not being shared with the rest of us.

I have to confess that I felt a real glimmer of hope the week before last when I received 2 articles in 2 days from members because of my begging. Mark Hoersten wrote an interesting article about his recent trip to Ecuador and Mark Seiden sent a very good review of the NIR-10 Digital Noise Filter. I've also just received a letter from Hans Johnson with some ideas about an article on DXing techniques which he and Dave Valko may collaborate on.

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 NAm)

Our Motto Is - "Unlty and Friendship"

When I received those 2 articles on adjacent days I said to Gail, "You know, we have over 1900 members in this club. If I could get 1 contribution a week, I would sleep much better. Heck, that's only 52 out of 1900...what's the big deal?" Folks, I'm not expecting essays. Try a station profile for DX Targets. If you'd like to try your hand at a station profile but don't know how to go about it I know 2 guys that might be glad to give you a pointer or two. Or how about a short article on how you construct a target list? Or how about an article on how your favorite Easy Listening SW station has changed over the years? I could go on and on and I'm sure by now the old timers are thinking that this is the way it's always been and that I'm just rehashing the same old stuff over and over again. Maybe so, but maybe the old soapbox routine will stimulate some more activity. I think that's part of what my job is here.

Speaking of jobs, mine has taken quite a change over the last 5 weeks. I'm the lucky recipient of a new MIS Director who believes

that we can change the way our company utilizes it's computer resources, overnight. Well, not exactly overnight, but it has certainly tossed much more responsibility in my lap. I'm the Manager of Microsystems and the new guy is big on downsizing applications so a lot more stuff is going to move down from the big iron to the desktop. As Sundstrum said, "Guess you'll have to do some work now eh?" I'm looking forward to the challenge.

Musings

Let's try something different with Musings. Rich D'Angelo suggested that we pick a theme so that members might have something to grab onto to write a musing about. Good idea. July's theme for Musings is "The Journal... What I Like, What I Don't Like, and Suggestions for Improvements"

Have a good month and don't let the summer static get you down. Summertime is when you should be getting those antennas ready for Fall!

Calendar Of Events

- Jun 13** - The next meeting of the DC area NASWA folks will be on Saturday, June 13, 2-4 p.m., at the Conference Room of the Ballston Partnership. Guest speaker will be Chris Nuttall, Washington Correspondent for the BBC World Service. All are welcome. Contact Sally Ward at (703) 960-4140.
- Jun 16** - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. Contact Mike Fanderys (216) 661-2443
- Jun 19** - Meeting, Boston Area NASWA Chapter, GTE Labs, Waltham, Mass. 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).
- Jun 19** - Meeting, Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Jun 20** - 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 Newsline at (614) 471-9973 (24 hrs.) Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Aug 1** - The First Meeting of the Central Ohio Shortwave Club, 1:30PM at Universal Radio, Conference Room, 6830 Americana Pkwy., Reynoldsburg, OH 43068. Contact John Davis (614) 967-3481 evenings.

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

Upcoming HamFests

- June 19-20 Georgia State Convention, Albany, GA, John Crosby, K4XA,
P O Box 1250, Albany, GA 31702
- June 20 Catalina Amateur Rpt., Assoc., Cypress, CA, Jo Ann Taylor
4399 Camphor Ave., Yorba Linda, CA 92686
- June 20 East River ARC, Bluefield, WV, Jim Perdue
Rt. 5, Box 457, Bluefield, WV 24701
- June 21 MIT Radio & Electronics Society, Cambridge, MA,
Steve Finberg, W1GSL, P O Box 82, Cambridge, MA 02139
- June 21 Frederick ARC, Frederick, MD, Ernest Hansen, K3VVV
14605 Harrisville Rd., Mt. Airy, MD 21771
- June 21 Monroe County Radio Communications, Monroe, MI,
Fred Lux, WD8ITZ, 5742 Parkside Dr., Monroe, MI 48161
- June 21 Satellite ARC, Santa, Maria, CA, Arthur Dossey, N6ZKS
1216 Linda Vista Dr., Lompoc, CA 93436
- July 4-5 West Virginia State, Jackson's Mill, WV,
Louise Ann Rinchart, KA8ZGY, South Charleston, WV 25309
- July 5 Murgas ARC, Wilkes-Barre, PA, James Post, KA3A
PO Box 1171, Wilkes-Barre, PA 18703
- July 11 Tideland ARS, Texas City, TX, Carl (Bill) Steele, WA5WVP
P.O. Box 892, Texas City, TX 77590
- July 11 Mt. Beacon ARC, Fishkill, NY, Ken Akasofu, KL7JCO
316 Titusville Rd., Apt. 4, Poughkeepsie, NY 12603-2944
- July 11-12 Central Division Convention, Indianapolis, IN,
Cornelius Head, WB9FQE, 9046 Mercury Dr., Indianapolis, IN 46229
- July 11-12 Yellowstone ARC, Billings, MT, Vincent Fiscus
1236 Grubstake Cir., Billings, MT 59105
- July 12 DuPage ARC, Downers Grove, IL, Edwin Weinstein, WD9AYR
7511 Walnut Ave., Woodridge, IL 60517
- July 12 North Hills ARC, Pittsburgh, PA, Bob Ferrey, N3DOK
9821 Presidential Dr., Allison Park, PA 15101-1850
- July 12 Wood County Amateur Radio Club, Bowling Green, OH, Charles Dicken
1002 Revere Dr., Bowling Green, OH 43402
- July 12 Colorado State Convention, Golden, CO, Keith Lee, N0LSL
19251 E Rice Dr., Aurora, CO 80015
- July 18 Maine Hamfest Assoc., Union, ME, Arnold Smith, KA1LPW
R1, Box 475, Augusta, ME 04330
- July 19 Van Wert Ohio ARC, Van Wert, OH, Jack Snyder, WD8MLV
12949 State Line Rd., Ohio City, OH 45874
- July 17-19 Glacier-Waterton International, Essex, MT, Sheila Devitte, VE6NOW
2423-26th Ave., N W Calgary, AB T2M 2H1
- July 18 North Carolina Chapter & Triple States RAC, Salisbury, NC,
Walter Bastow, N4KVF, 3045 High Rock Rd., Golf Hill, NC 28071
- July 18-19 Atlanta Radio Club, Atlanta, GA, Vern Fowler, W8BLA
Suite E-6, 4343 Shallowford, Marietta, GA 30062
- July 19 Zero-Beaters Amateur Radio Club, Washington, MO,
Edward Southall, WD0ELL, Rt 1, Box 105, New Haven, MO 63068
- July 19 MIT Radio & Electronics Society, Cambridge, MA,
Steve Finberg, W1GSL, P O Box 82, Cambridge, MA 02139

Musings

John Vodenik, 104 S. Forest Ave., Mason, Ohio 45040

Better late than never. I am getting older, and slowing down a lot. I should be 45, before this letter gets printed. The January issue cover really blew me away! On behalf of the staff here at Bethany Relay, let me say thank you for putting our QSL card on the front of the January issue. The QSLing has been a real hoot! We have gotten reports from about 45 countries, and maybe 40 states. I should know, as I am in charge of this operation, but am too lazy to pull it from the database.

I really enjoyed meeting the guys down at the Monitoring Times convention last year. I am not planning to go back this year, as the XYL says the house is more important. I know who wears the pants in my house...me, with her approval.

Working for VOA doesn't leave much time for listening, or DXing. The Bethany site is only 2½ miles from my house, and at times, the RF level into my receiver is outa site. Also, the "BIG ONE"...WLW is only 1 mile from me. So, all summer my phones speak Cincinnati Reds baseball. Great, but I am a Cubs fan!

Again, thank you from the Bethany staff. 73 John

Joseph Cejka III, P.O. Box 456, Exeter, CA 93221-0456

A friend of mine is off to Bolivia for three years to teach agriculture in rural villages. She'll carry a shortwave radio, a gift from a former teacher, but it's a Panasonic RFB20 with all its limitations. I hope the radio will keep her in touch with the wider world and give a refreshing taste of home. I also want the radio to help her understand the culture she lives in.

Neither she nor I can afford to replace the radio. As finances improve, I may be able to get her another (and I'm aware of the attendant difficulties of getting it to her!)

I've gone over the radio with her, explaining what control does what and how to read the frequency. We've paged through Passport To World Band Radio, London Calling, and, especially, the English language program listings in the Journal so she has a sense of what's out there to listen to and when. (I just ordered the WRTH, but it's on route.)

But none of what I have on hand is geared to South America, either Bolivian local broadcasters or internationals targeting Bolivia. Much of the stuff I've leafed through doesn't mention South America, or assumes broadcasts beamed to one are broadcasts beamed to the other. On this last point, are they? I work under the premise it's like NA broadcasts: those beamed to WNA are beamed to WNA and are generally not available to ENA.

BBC is the notable exception to what I've written above. Their frequency schedule is broken down by groups of countries. And I've made sure she has the frequencies for their broadcasts to Bolivia, Colombia, Ecuador, and Peru in English and Spanish.

NASWA members might help by suggesting sources for station listings, other than PTWBR and WRTH, programs, better equipment (for example, if I do get some bucks together to buy her a better radio--what would you recommend?), antenna additions to the RFB20, or, things I've overlooked.

I pushed her towards listening to shortwave, but there may be MW or FM stations she should be aware of. While the WRTH may give me some information, NASWA members may have more current details and specifics.

Most of you are better DXers than I and some of you seem to be world travellers, so I hope you'll help me out. You can write me or give me a call on your nickel at my home: (209)592-1816. If I'm not in, my answering device will hold your call for me. Thanks for your help. Peace and Blessings
- Joseph

Barry A. Schwartz, 72-22 153 St., Apt 2H, Flushing, NY 11367

For months now (since I started DXing), I've been using a 23 foot clip on wire antenna. As an apartment dweller here in NY City, I'm not able to put any sort of antenna on the roof of the apartment building. It is not allowed by the managing company of the complex. The antenna has served me well, however, the stations on the 120, 90, 75, and 60 meter bands continue to elude me. I've picked up a handful, but, of course, I want to be able to pick up more. My receiver, by the way, is the Realistic DX-440 (aka Sangean AT803).

Let me describe now exactly where I live in NY City. I am situated about 10 miles east of Manhattan, about 5 miles south of LaGuardia airport and about 6 miles north of JFK International Airport. I am virtually in the middle of the Borough (County) of Queens. Given my location, I need honest advise as to what type of indoor antenna system, or something I can easily mount and dismount outside a window or on the fire escape I should go with. I've scanned articles and catalogs - it seems to me that my choice would be one of the following: Sony AN-1 or AN-102; MFJ-1020A; or McKay Dymek DA-100D. I would appreciate any advise or input from NASWA members who use one or more of the above antennas. Thanks for your time and assistance!

Daniel Danielidis, AlSvolou 18 St., GR-54622 Thessaloniki, Greece

I am interested in the collection of SW, AM, FM radio station stickers and other collectibles and would like to exchange related material with anyone interested.

Welcome to the following new NASWA members -

- | | |
|---|--|
| Tom Albright, Ormond Beach, FL | Glen Otto, Freeport, IL |
| Paul Blumstein, Palos Verdes, CA | John D. Overturf, Pomfret, MD |
| David Bodington, Niagara Falls, NY | James R. Parliament, Richmond, IN |
| Glenn R. Bowman, Alexandria, VA | Robert H. Patrick, Quincy, MA |
| Sid Brakey, Mangilao, Guam, | Mr. Frank Pelles, North Olmsted, OH |
| Jim Briggs, Whittier, CA | Gary Pirkkala, New Castle, PA |
| John Butler, Berwyn, PA | Richard J. Raine, San Diego, CA |
| Chet C. Copeland, Washington, DC | Jack Reynolds, Cooper City, FL |
| Fritz Dorflein, Chatham Center, NY | Donna Robinson, Willow Springs, IL |
| Hossein Emami MD, Hollidaysburg, PA | Henry Squillante, Northboro, MA |
| P. Fort, Columbia, MD | C. Stefanluk, Edmonton, AB, CANADA |
| Ken Gold, Farmington Hills, MI | Edward J. Stewart, Saint Simons Island, GA |
| Ricardo Fasanello, Rio De Janeiro, BRAZIL | Robert Swenson, Worcester, MA |
| Scott Green, Kingston, PA | Jan J. Szelag, Narragansett, RI |
| Karl Guth, Hiles, WI | Dave Thompson, Golden, CO |
| J. Kelth Hardison, Henderson, KY | George A. Wells, Elmhurst, IL |
| Lyle Hill, Etobicoke, ONT, CANADA | Morris Wilkes, Lubbock, TX |
| Mr. Christopher Jackson, St. Louis, MO | Michelle L. Williams, East Fairfield, VT |
| Lilburn Kelley, San Antonio, TX | Walter G. Windish, Wayne, NJ |
| Bennett Koffman, Lincolnwood, IL | Ruthven A. Wodell MD, Wayne, PA |
| Melvin C. McClure, San Bernardino, CA | Kenneth Worthy, Charlotte, NC |
| Jerry Meridith, Mooresville, NC | Miklo Yamada, Aichi, JAPAN |
| Byron L. Nelson, Mesa, AZ | |

DXer's Forum

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 John Lyon takes us with him on his 1st DXpedition, definitely something every DXer should try at least once. Charles Bishop and Tom McMahon provide the last installment of their multi-part report on the Smithsonian lecture series entitled "International Broadcasting In A Changing World". Finally, Alan Johnson tells us about a new receiver coming from Grove Enterprises as well as providing some insight into KIWA Electronics Filter Modules. **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.

Like A Virgin

by John Lyon*, W9LHG

I'll admit it - I'd never done it before. I'd never done a SWL DXpedition. Sure, I'd done Field Day with hams, but that was different. Never participated in a midwestern orgy of short wave listening. A whole day of non-stop activity? Did I have the endurance? It was time to find out.

Our club, the Minnesota DX Club (MNDXC) was sponsoring a DXpedition on a cold weekend in February. Why February? Well, we might get snowed in and have to DX the entire month before we could get rescued. Winters here in the land of 10,000 frozen lakes have been known to be merciless. So as I cruised down Interstate 35, I was watching for a break in the tundra. The directions said turn right at Crappy Chef. Ah, there it is. On through the heart of America's Siberia, to Camp Obigwa. Pulling in, I had visions of Indos wildly dancing in my head.

The cabin at the camp had several rooms with double bunk beds and long tables for radios. Cheek by jowl, as it were. Although nobody planned it, we high frequency freaks took one room, the medium wave (AM broadcast) people took the other room and the airport beacon/spy-clandestine people the space in between.

I hadn't any antenna wire at home, so the President of the club graciously gave me some

wire that he had acquired on the black market. An antenna with blessed wire has to haul in DX by the bucketful, I thought. We went out in the snow to string our antennas, from windows to roofs to trees to bushes. I grabbed my wire and walked out 300-400 feet, down the hill, past the people cross-country skiing, toward the lake. But our host, who had arrived early, had put us to shame. He had 3000 feet of wire pointing all different directions, more like a BBC monitoring station than a DXpedition. I know an electrical engineer like that. His temporary lashups are better than most people's permanent installations. Back inside with my ham transceiver set up, I hit the power button. Time to start DXing.

Starting with the high bands, I scan downward. Who wants to hear 400 frequencies in the 17 meter band of Radio France International transmitting in French to Africa? Radio Damascus is doing its usual polemic. The Scandinavians are barely audible. I tune to the propagation report on WWV. Major storm at 1200 UT on 15 February ... unsettled to major storm level ... This is going to be a looong weekend. Over in the MW room, a forest of ferrite loops are twirling, with hands feverishly peaking preamps, notebooks open on the laps of headphoned DXers. Questions fly around the room. "Didn't KRUD change to an all-country format last year?" "This can't be North Carolina - they change to 100 watts

* 2346 Dorothy Ave.
White Bear Lakes, MN 55110

at sunset." The loops keep twirling.

It's 5 PM local time, and I head back to my post. Sliding down to 60 meters, I hear Congo on 4765 and half a dozen other favorite West Africans fading in with bubbly highlife and French news. Ghana has the latest political news from Accra. All is not lost. But by 6 PM,

*Major storm at 1200 UT on
15 February ... unsettled to
major storm level ... This is
going to be a looong
weekend.*

the West Africans are signing off for the night. Time to whump up some vittles. Let's see, a ham and cheese sandwich, heavy on the ham, and a huge juicy apple. Soon, Mr. Spy Clandestine pops his head in and calls out a 7Mhz frequency. Sandwich in hand, I punch in the frequency and hear a numbers station. He tells me that the female voice is digitized, so that's why she sounds like she's overdosed on Valium. Later on, he calls our attention to another intelligence station that sounds a lot like a bodily function, followed by a half a minute of silence. Then it's repeated again, changing the format slightly over a period of time. Truly bizarre.

Our host has both the NRD 525 and the 515 receivers, and since I've never seen one outside the pages of a magazine ad, I drool all over the front panels. Meanwhile Mr. Airport Beacon is up to well over fifty beacons with his new Drake R-8 receiver and ferrite loop. Back at my post, I listen to Radio Australia, New Zealand, AIR. Bored, I try to decode Radio Cairo's audio, a task nearly as satisfying as nailing jello to the wall. It's become clear that HF conditions aren't much better than fair.

Later that evening, some of us take a pizza break. The nearest town that has anything larger than a general store is about 15 miles away. We pile into the car and head for Fariboo. After several passes, we locate the Pizza Hut. At 10 PM we find there is only one other party in the place. Although all three of us are hams, one has brought his hand-held, and sets it down on the booth table. The waitress asks, "What's with the hand held?". "Just in case," the owner replies slowly. Blank stare. We devour the 2/3 cooked pizza without it sliding off the tray, while listening to the local police frequencies. About every twenty minutes, there is a transmission. How do the residents of

Fariboo stand all this Saturday night excitement?

Finally, we head back to Camp Obigwa. Mr. Airport Beacon is up to 100 beacons by now, and the MW guys are going crazy. Finally, the Africans are starting up for the new day. Only a few Guatemalans on 90 meters, and nothing on 120 meters. I target some East Africans at sign-on time, but it is not to be. Hearing nothing new and the coffee caffeine wearing off, about one-thirty I give it up, take off my shoes and crawl into my sleeping bag.

Up at 6 AM for max dawn, things aren't much better. Pandang on 4753 and Voice of Jinling on 4875 are reasonable strength, but one can hear them with a six inch wet noodle. Max dawn isn't, although one in our room IDs both Sri Lanka and Bangladesh in English. By now, Mr. Airport Beacon is up to over 140. He has no-dozed all night; we simply prop him up against the wall.

Time for breakfast at 8AM at the camp mess hall. As we tear into pancakes that fight back, a non-radio person at our table asks with an incredulous tone: "So you stayed up all night listening to your radios?" Deathly silence. Sheepishly, "yeah, well I guess we did" No further conversation.

After breakfast, the hard core MWers are still at it with their loops while the rest of us roll up antenna wire, contemplating return to reality, and the drive home. Getting home a little before noon, I take a shower after comments from my kids like "look what the cat dragged in".

This is also the weekend for the ARRL Worldwide DX Contest on CW. Reassembling my equipment, I tune up on 21 Mhz, my favorite band. It seems like everyone is sending code about 100 words per minute. Are these people sending in Lower Slobovian, or is my brain totally fried? All I can hear is a few Western Europeans, so I grab the keyer and call a couple of them. Trashing their calls completely and getting no replies, I realize I'm brain dead. I go upstairs, plop into the easy chair, and fall asleep, headphones on, listening to a boring report on Deutsche Welle on the ATS-803A. My wife shakes me and tells me to go to bed.

At least now I've done it, and I strongly suspect the first time is not the best. Even though I didn't log a single new country, it was a lot of fun. Would I do it again next year? Does a chicken have a beak?

The Smithsonian
CAMPUS
ON THE **MALL**

International Broadcasting In a Changing World

A Report on the Smithsonian Forum on the Media and Society, held in collaboration with Voice of America

This is the last in a series of reports filed exclusively with the NASWA Journal by NASWA Washington, DC area members Charles "Chip" Bishop and Tom McMahon.

By Tom McMahon

Voice of America: At the Crossroads of News and Diplomacy

Upon leaving after a stint at the Voice of America to return to NBC News, John Chancellor said of his experience that the VOA stood at the "crossroads of news and diplomacy". Now, nearly 30 years after Chancellor's statement, the VOA still finds itself in the middle of the road not knowing which path to take.

Because they are employees of the United States Information Agency, which is responsible for the US Government's overseas information and cultural programs, the staff at the VOA, many of whom had once worked at some of the nation's most noted news organizations, seems to have a difficult time distinguishing whether they are journalists or diplomats.

According to the US Government Manual, the official handbook of the federal government, the USIA, which is known overseas as the US Information Service, "conducts a wide variety of communication activities -- from academic and cultural exchanges to press, radio, television, film, seminar, library and cultural programs abroad -- in order to strengthen foreign understanding of American society, obtain greater support of US policies and increase understanding between the United States and other countries".

And although it is not officially a part of the

US State Department, the agency reports to the President and the Secretary of State "on worldwide public opinion as it is relevant to the formulation and conduct of US foreign policy", the manual states.

"I would like to think that the news the VOA broadcasts is comprehensive enough for people to understand what US foreign policy is, what the US policy at home is and to make independent judgments based on what we say", said Sid Davis, VOA's program director and former Washington bureau chief for NBC News. "If you were a member of our audience abroad, I don't think that there would be any question that you would know what US policy is based on what we say."

Bob Jobbins, chief editor of the BBC World Service News, agreed: "The product speaks for itself. If they (the audience) listen and feel that what you're giving them is a doctored message or if they feel that what you're saying has any degree of propaganda, then you lose credibility and, I think, you lose audience."

"It's interesting when you look back over the years at how much money and effort Radio Moscow put into its external broadcasting and statistically how few listeners it attracted," he said. "Information is a commodity. Even in the most restricted environment, where freedom is very limited, people can test your message against other (broadcasters)."

Davis and Jobbins, who prior to joining the BBC in 1972 had worked for the Swiss Broadcasting Corporation, the French News Agency and Iran's Tehran Journal, and other international radio experts gathered in Washington this past winter to take part in a series of lectures sponsored by the Smithsonian Institution marking the golden anniversary of

the Voice of America. For the most part, they debated as to whether the VOA is a source of unbiased, credible international news or if it is simply another tool of the USIA to promote foreign policy.

"Diplomacy depends on media far more than media depends on diplomacy," said Arthur Hummel, a career diplomat who served as deputy director at the VOA in 1961. "VOA is demonstrating who we are in a broader sense. It's not just policy, but what is going on in this country, including the warts (and) the things the overseas audience knows about already from other sources. I think it is extremely important for countries overseas to understand us rather than only to have a filtered view."

Hummel, who has been the US Ambassador to China, Burma, Ethiopia and Pakistan, said the VOA is the "radio of record" much like the New York Times is known as the "newspaper of record".

"Diplomacy encompasses all kinds of things, including personal activities of businessmen abroad, other newsmen abroad and all of our people abroad and this kind of "public diplomacy" adds up, I think, to a pretty damn good picture of who we are." the ambassador said.

While many at the Voice of America think the station is a credible source of world news and not just simply a mouthpiece for the US State Department, some of the journalists in the newsroom may disagree. In fact, many former VOA personnel were on hand at the lectures to refute much of the praise that was being paid to America's international shortwave voice.

One former VOA news director, Bernard Kamenske, said the VOA focused too much on news of the administration which was occupying the White House. And Philomena Jurey, who was the VOA's White House correspondent during the Nixon, Ford, Carter and Reagan Administrations, said she was basically ignored and taken for granted during her tour of duty covering the presidents.

Ambassador Hummel commiserated with the frustrated former VOA staffers. "The VOA is crippled because it cannot do any

investigative reporting. VOA gets most of its news from other sources. An in-depth look at the issues isn't done at the Voice of America."

VOA has come a long way, but the millennium has not arrived. There's still tension sometimes between the newsroom and the country desk at the State Department, but let me emphasize that there is tension on both sides. And sometimes erroneous information was contained in the news broadcast simply because "nobody phoned up" to check a story with the State Department" he said.

The battle over the purpose of the VOA is still raging. As one staffer put it, "the VOA is a clash between the journalists and the diplomats, and the two shall never meet."

But what is in store for the Voice of America's future, especially now that the Cold War is thawing and communism does not seem to be as much of a threat to the world?

"I think the future of international broadcasting is as bright as it has ever been," said Steve Forbes, president and chief executive officer of Forbes, Inc., and Chairman of the Board for International Broadcasting, which directs the operations of Radio Free Europe and Radio Liberty. "Even though communism has fallen, there is still a number of idea battles to be waged. "Retreating on broadcasting would be a form of isolationism." Forbes said.

At Bush House in London recently, the various services of the BBC's overseas operations got together to determine what the 1990s will bring. The study predicted that it will be a decade in which there will be a growth of nationalism, a spread of religious extremism, an increase in poverty, an escalation of environmental problems and a proliferation of nuclear weapons. With all these things happening in today's world, David Witherow, the deputy managing director of the BBC World Service, said there is still a place for international radio. The question is, what will it sound like?

In the short term, shortwave will continue to be the preferred form of transmission to many areas, he said. In the longer term, however, he said the BBC, like everyone else, is looking for other ways of reaching its audience such as

with satellites and direct broadcast systems.

"Those {international broadcasters} that are going to be successful are those who can adapt to the new circumstances and are going to find themselves dealing with the new technologies and being able to deliver interesting, informative and good programs which are relevant to our listeners at the other end." said Witherow, who is responsible for news, audience research, relations with the foreign office and planning at the World Service.

The nineties may have already earned its place in history as a time of great upheaval and change. The Iron Curtain has fallen and the Cold War has ended. Therefore, many believe there is no longer a need for international broadcasting.

"In my view, the Voice of America is now and will remain an indispensable element of the United States' ability to conduct its public policy abroad," said Hans Tuch, a former VOA acting director and 35-year career

diplomat. "In some cases, it will remain ever in the foreseeable future as the only effective instrument of communication which we have available to us to communicate directly with foreign audiences."

John Hughes, another former VOA director who most recently helped the Christian Science Monitor Radio get on the air, said radio played an "extraordinary, significant and magnificent role" in bringing about the dramatic changes that have taken place in the world recently. But he doesn't think the job is done.

"There are a fair number of bad guys around the world. But, aside from the bad guys, I think the United States ought to be talking to its friends as well as its foes," said Hughes, who is chairman of the President's Task Force on International Broadcasting.

"International radio has been a remarkably good investment, I think, for the American taxpayer. It sure is cheaper to fight the war of words crackling over shortwave than with weapons."

Hardware Bits

by Alan Johnson

GROVESW100 RECEIVER - Grove Enterprises, Inc. announced at the recent Dayton Hamvention their plans to produce a general coverage SW receiver. Due in August 1992, the SW100 is to be a professional grade receiver with a cost of less than \$1200. Preliminary specifications are quite impressive: up-conversion triple superheterodyne design covering 10 kHz to 32 MHz, frequency readout resolution to 10 Hz, sensitivity of 0.5 microvolts (SSB, 10 dB SINAD), 3rd order intercept point of +15 dB, IF/image rejection of 90 dB and dynamic range of 80 dB (bandwidth not specified). The standard unit is to include synchronous detection, 100 memory channels (expandable to 1000), memory scan, dual VFO's, bass/treble tone controls and a notch filter. Standard filter bandwidths are AM/SSB: 6, 3 and 2.4 kHz and FM: 150, 15 and 6 kHz. The unit requires 12 volts DC (adaptor included) and has provisions for tape recorder remote control. A RS232 computer interface is to be optional.

Please remember that these specifications are tentative and that the receiver is not yet available. Grove's previously planned receiver, the SR1000, never made it past the vaporware stage. Hopefully the SW100 will see the light of day, as it contains a host of useful and interesting features. Grove Enterprises, Inc., P.O. Box 98, Brassstown, NC 28902-0098, Phone 704-837-9200. Thanks to Rich Dailey for forwarding a copy of the spec sheet.

KIWA ELECTRONICS FILTER MODULES

To paraphrase a popular saying — "You can never be too rich, too thin or have too many bandwidth choices". Selectivity, along with adjacent strong signal handling ability, has become more important than sensitivity as a receiver specification in this age of solid-state radios and high-power broadcasting stations. Unfortunately, most manufacturers continue to offer a single

compromise filter bandwidth for shortwave broadcast listening/DX. I have never understood why radios come with 6 kHz bandwidth filters when the standard SW channel spacing is 5 kHz.

Trying to improve a receiver's stock filtering is not always an easy or inexpensive task. The optional filters that some manufacturers sell are usually expensive and are directed more towards amateur or utility monitoring needs. Some dealers make the superb Collins mechanical filters available as modifications, but these are very costly. Although the ceramic filters used in most radios today are low in price, they are difficult to obtain in single quantities. Another problem that arises in attempting after-market selectivity improvements is matching the add-on filter's input and output impedance to the radio's existing circuitry. This is necessary to maximize skirt selectivity and minimize passband ripple and insertion loss. Given all these factors, it's no wonder that external audio filtering has become such a popular way of improving a receiver's selectivity!

Now, Kiwa Electronics has introduced their line of "Filter Modules", a reasonably priced way to customize a receiver's selectivity. The design also eliminates the need for critical matching and is available in a wide variety of bandwidths. The only disadvantage of the modules is that they require user installation (detailed instructions are provided) — which is not difficult if one has a basic familiarity with reading schematics/recognizing components and can solder/desolder printed circuit boards. Kiwa does not offer an installation service.

The Filter Modules are small plastic blocks approximately one by two by 3/4 inches in size with two miniature coaxial cables for signal input/output and two wires for power and ground. Voltage required is 4.5 to 36 V DC, although 10 to 15 volts is optimal. They must be used in radios with a 455 kHz intermediate frequency and due to the higher voltages in such units, it is not recommended that they be used in tube receivers. The following bandwidths (at -6 dB) are available: 6, 5.5, 5, 4.5, 4 and 3.5 kHz. Two 3.5 kHz modules may be cascaded to yield a 2.8 kHz bandwidth and a 4 and 3.5 unit will give a 3.0 kHz bandwidth when cascaded. Shape factor (-60/-6 dB bandwidth) is 1.8 or less for all modules. The modules are designed to be mounted within the receiver's cabinet using Velcro tape. The need for impedance matching is obviated by the use of input and output buffer amplifiers, which also allow the modules to be installed with zero insertion loss. In addition to the buffer amps, each module contains three ceramic filters. Perhaps the most interesting specification that these modules possess is their price — \$40 each, plus \$4 for shipping/handling.

I tried one of the 4.5 kHz modules in a Drake SSR-1. I chose this radio to modify because of the cheap stock filtering as well as its wide-open layout. Filter installation went without a hitch, although I did create one solder "bridge" that took a few minutes of headscratching to find and correct. Due to the design of this particular receiver, I had to realign the BFO after installation. The Kiwa Filter Module made a significant improvement in selectivity, without any discernable drop in signal level. Signals now "pop" into the filter passband as I tune across the dial - a mark of good skirt selectivity.

At long last, there is a reasonably priced and relatively easy way to improve your receiver's selectivity — as long as your receiver is solid-state, has a 455 kHz IF and you (or someone you know) has some minimal technical ability. Kiwa will also supply on request a diagram for a simple diode-switching circuit to allow switching between two modules. I highly recommend this product and look forward to others from its manufacturer. Contact Kiwa Electronics, 612 South 14th Avenue, Yakima, WA 98902 (509-453-KIWA) for more information.

Easy Listening

Richard D. Cuff
213 Parkview Avenue
Allentown, PA 18104-5323
GENie R.CUFF
MCI Mail 375-4854
CompuServe 71207,1604
Prodigy NCHT70A

From an Island in Ontario

My current vacation venue has prompted me to briefly mention a shortwave broadcast service targeted to this area. Those living in the Northeastern United States and Southeastern Canada can "eavesdrop" on a radio service established for Toronto, Canada residents and others having weekend homes in an area called "Cottage Country." Cottage Country ranges up to 200 miles north of Toronto, and is dotted with many fine lakes and other out-of-the-way vacation settings. That radio service is CFRX, the 6070 kHz shortwave relay of mediumwave CFRB, Toronto's most listened-to station.

I've found CFRX helpful while vacationing with family up here, even though mediumwave and FM radio have now been established in the region. CFRX dates back to the 1930s (if my memory is still sound — I don't have my CFRX notes with me) when local radio around here didn't exist.

Even when home in Pennsylvania, I find CFRX an entertaining alternative due to its Canadian perspective, its news about a region I enjoy, and its window on matters important to Torontonians. Government-sponsored international radio services must distill much of what's interesting about a particular country in order to maintain broad audience appeal. This isn't necessarily bad - without broad appeal, it would be difficult for large international broadcasters to justify their expenses to remote audiences.

My personal favorite on CFRX is The World Today, from 2100 to 2300 UTC Mondays-Fridays (one hour later when EST is in effect). This is a comprehensive report on local, national, and international news, along with sports, weather, traffic, and commentary. Hearing about traffic problems on Highway 401 almost makes me feel like I'm there!

Propagation to Eastern Pennsylvania is generally quite reliable during local daylight; evenings, as the 49 meter band gets more crowded, is a bit more difficult.

The Earth Summit

One of the interesting aspects of International Broadcasters' programming is the convergence of coverage when scheduled international political events take place. June presents one such opportunity with the United Nations Earth

Conference that generally goes by the name "Earth Summit." I am aware of several international broadcasters planning special events, including Radio Deutsche Welle and the BBC World Service. The conference itself is scheduled for mid-June, but the preceding days will likely feature special programs or feature stories within current affairs programs.

Of special note is the BBC World Service Earthlives phone-in scheduled for 21 June with Maurice Strong, chairperson of the Rio Summit. *Please note: This is now scheduled one week later than shown in last month's column.* The phone number: Your international access code (011 in the USA and Canada), followed by 44-71-379-7444. You're requested to phone in starting at 1200 UTC on the day of the program; if the BBC desires to use your question, you'll be called back just before or during the program. The program itself airs live at 1401 on June 21st, with edited 30-minute repeats the next day (Monday) at 0630 and 1001.

Radio Moscow World Service

It's interesting to monitor the subtle changes in Radio Moscow from month to month as a more open society continues to take root. One example: the frequently airing commentary program *News and Views*. Now, after each subject, you'll hear "Commentary by ..." It appears Radio Moscow no longer needs to treat commentary and opinion programming as "news."

BBC World Service Highlights

I highlighted the *Earthlives Phone-In* above; several other programs are tied into the Earth Summit. They're shown in chronological order below. The other BBC highlight is a new series, *Heritage*, in which Malcolm Billings investigates how some of the world's archaeological treasures and historical buildings are threatened by modern development, theft, or old age.

1 June: Although the first edition of *The Olympians* will air before you receive the June *Journal*, I wanted to preview this eight-part weekly series airing Mondays except during the Wimbledon coverage (see below). The *Olympians* features profiles on eight of the top world class athletes in various sports; the recollections are personal reflections on the

atmosphere, responsibility, and thrill of competing in the Olympic games. Mondays 1635, with repeats Tuesdays 0750 and 1235.

8 June: Outlook reports from Rio de Janeiro during the week of June 8th through the 12th. The program will discuss the issues at hand during the conference, and will also take a look at modern Brazil and the issues behind the issues at the Earth Summit. Mondays through Fridays 1405 and 1905, repeating the next day at 0105.

10 June: Assignment also travels to South America in June, as June marks the tenth anniversary of the Argentinean surrender to the UK in the Falklands. Joanna Mills looks at the changes in the Falklands since the war and considers the prospects for reconciliation with Argentina. 2030, with repeats Thursday June 11th at 0330 and 1001 UTC.

12 June: Heritage investigates Moenjodaro, an ancient Indus Valley city Pakistan settled over 4,500 years ago. Moenjodaro is now threatened by modern agricultural development and natural deterioration. 0730, 1215, and 1930.

14th June: Horizons looks at the role of frontiers and borders on both the establishment of nation communities, such as the European Community, and the establishment of fragmented states such as the former republics of the USSR and Yugoslavia. 0230 and 1615, with a repeat the following day (Monday) at 0730.

14th June: Perhaps the single program most often cited as a BBC World Service favorite, **Brain of Britain**, returns for another 17-week engagement. Pit your wits against contestants from all walks of life, with questions on subjects such as music, medicine, politics, philosophy, world geography, and recent events in British life. 2030, with repeats Mondays at 1215, and Tuesdays at 0230. (local Mon-nite)

21st June: George Bernard Shaw's *The Life and Opinions of Tristram Shandy, Gentleman* is a sampling of this month's offerings on **Play of the Week**. Stephen Oxley brings his award-winning one-man show to the World Service, taking an intriguing dip into the eccentric delights of this "autobiography" characterized by one critic as "the greatest shaggy dog story in the English language. 0101, 1201, 1901 UTC.

22nd June: Host Paul Jones' broad taste in R&B, jazz, soul, gospel, and rock serves as the foundation for the new 8-part musical program **Counterpoint**. Counterpoint is defined as "the art of combining two or more independent

melodic and rhythmical parts in harmonic texture." Tune in and figure this out for yourself! Mondays 2215 UTC with repeats Tuesdays 0630 and Fridays 1030.

22nd June: One of the UK's premier sports events, the tennis championships at Wimbledon, begin this year on June 22nd. The Monday through Friday special editions of **Sportsworld** feature detailed coverage of the day's tennis. 1445 and 1615 UTC. Exception: Monday editions are at 1445 and 1635.

27th June: The regular Saturday edition of **Sportsworld** features extended coverage of Wimbledon tennis. Three hours beginning at 1400 UTC.

28th June: With more and more animals now exhibited in natural environments, with names like "Wild Animal Safari" and "Lion Country Safari", what should the role of an urban zoo be? This is debated by Alenka Lawrence in **Zoo**, 0230 and 1615 UTC with a Monday June 29th repeat at 0730.

29th June: A five-part series, **The Italian Renaissance**, begins on June 29th and continues through July. This program will profile the 15th and 16th centuries from the perspective of those living at the time. The work of the popes to establish Rome as the capital of Renaissance Italy, the work of Machiavelli in analyzing 'statecraft' (the BBC's word), and the perspective of others including the Spanish and Portuguese, are all reviewed. 1401 UTC with repeats Mondays at 0630 and 1001.

Coming up in July: For young people (I think), **Pop Science**, in which Janice Long mixes Q&A on science, technology, medicine, and the environment along with your favorite pop records. Contemplate the atom's structure with a segue to Kylie Minogue. Program details next month; meanwhile, mail your questions and music requests to Pop Science, BBC World Service, Bush House, The Strand, London, WC2B 4PH, United Kingdom.

Apologies

Sorry for the shorter than average column this month. Vacation plus work schedules interfered with my listening schedule, and my shortwave program listening provides much of the grist for this column. I should be back to three pages in next month's column.

Until next month,

73 DE Richard

African Destinations

Bill Kurrasch
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Ontario, New York 14519
GEnie W.KURRASCH

Damage Control!! In the last "African Destinations" column I reported that Radio Mediterranee Internationale (also known as "Radio Medi Un" or "Medi 1" can be monitored on 9575 kHz and that for NASWA country counting purposes this station could be counted as "TANGIER (MOROCCO)". Please scratch out that location and replace it with "SPANISH MOROCCO". Several of our sharp-eyed and knowledgeable members quickly recognized and alerted me of this error. I apologize for any inconvenience this error may have caused. In the future I will try not to relocate transmitters sites without prior notice!

We will continue our tour of the African continent with some DX and QSL tips for those that would like to increase their reception and verie totals. All times listed are UTC. And away we go...

8.) **RWANDA** - Deutsche Welle maintains a giant relay facility in this central African nation making this another easy catch in North America. Tuning in at the following times and frequencies will allow you to hear DW: (Only English language transmissions listed)

0400 - 0445 hrs on 7225 // 9565 kHz (Cen. & S. Africa beam)
1400 - 1445 hrs on 9735 kHz (Cen & E. Africa beam)
1500 - 1545 hrs on 11965 kHz (S. Africa beam)
0900 - 0945 hrs on 15410 kHz (S. Africa beam)
1100 - 1145 hrs on 15410 // 17800 kHz (W. Africa beam)

DW is known for their excellent verification policy. Although over the past year (since the demise of Radio Berlin International) Deutsche Welle has been providing full-data QSL cards, it is unknown whether this is a temporary policy or a new way of life at DW. Return postage is not necessary for a reply but they do appreciate a self-addressed envelope. You can expect a reply in about one or two months.

Radio Rwandaise can also be monitored from this nation but as a national broadcaster, they are not nearly as easy to hear. Try listening at the following times and frequencies:

0300 - 0600 hrs on 3330 // 6055 kHz
0900 - 2100 hrs on 3330 // 6055 kHz

Reception of this station is seldomly reported in North America. CIU, the Canadian Time Standard station transmits on 3330 kHz and 6055 is home to a number of SW broadcasters. Although they do occasionally broadcast in English if you should hear this station it will most likely be in French or Swahili.

A QSL Card from this broadcaster would be a good addition to any ones collection. A report in French with IRC's or \$'s may help obtaining a response. Expect a one to four month period in getting such.

9.) **ASCENSION ISLAND** - Before we get too far into darkest Africa, now may be a good time

to highlight a few more of the large relays that are rather easy to log. Among them would be this Atlantic Ocean Island site.

The BBC operates on twenty-eight frequencies from this location. It is possible to hear one of their transmissions from this site almost any time of day. Please refer to the World Radio TV Handbook or Passport to World Band Radio for specific times and frequencies.

As previously noted, the BBC in London is no longer interested in your reception reports. Your request for a QSL card will most likely be ignored or you may receive a form letter stating their lack of interest in listener reports. You will do much better by sending your report directly to the transmitter site at English Bay, Ascension Island, c/o Neil Johnson Maintenance Engineer. Mint stamps, IRC's or US\$ will help you obtain a QSL in about 6 to 12 weeks.

The Voice of America also operates a relay facility from this location on a number of different frequencies. All are reported to be 250 kw giants which make them easy targets in North America.

1000 - 1200 hrs on 11720 kHz (Africa beam)
0300 - 0330 & 1800 - 1900 hrs on 11790 kHz (Africa beam)
0930 - 1130 hrs on 17810 kHz (C. America beam)
1200 - 1400 hrs on 17830 kHz (C. America beam)
2030 - 2100 hrs on 17880 kHz (Africa beam)
0930 - 1130 hrs on 21490 kHz (C. America beam)
1200 - 1400 hrs on 21490 kHz (C. America beam)

A reception report to the VOA's Washington, D.C. address will generally (but not always) result in a QSL. No reply postage is necessary.

10.) **SEYCHELLES** - Off the east coast of the continent in the Indian Ocean lies this tropical paradise. This is reported to be one of the most beautiful regions of the world. Sounds like a good place for a NASWA DXpedition or the 1993 SWL Winterfest!

Again, the BBC operates a relay facility at this location which should not be too challenging to hear. Try a few of the following times and frequencies:

1700 - 2200 hrs on 6005 kHz (E. Africa beam)
1615 - 1745 hrs on 9630 kHz (E. Africa beam)
1830 - 1900 hrs on 9630 kHz (E. Africa beam)
1830 - 2030 hrs on 9630 kHz (E. Africa beam)*
1400 - 1430 hrs on 11860 kHz (E. & S. Africa beam)
0300 - 2030 hrs on 15420 kHz (E. & S. Africa beam)**
0300 - 1400 hrs on 17885 kHz (E. & S. Africa beam)**

* (Summer Only)

** (not continuous operation, but on most hrs listed)

Reception reports should be sent directly to the relay site at Grande Anse, Mahe, Seychelles to the attention of Peter Lovejoy, Senior Transmitter Engineer or Peter Lee, Resident Engineer. Again, Mint Stamps, IRC's and/or US\$ are appreciated and helpful.

The Far East Broadcasting Association (or FEBA) also transmits extensively from this location although their English transmissions are quite limited. Try the following:

1500 - 1600 hrs on 11865 kHz (S. Asia Beam)
 1500 - 1600 hrs on 9590 // 15330 kHz (Tues.-Sat.)
 (S. Asia Beam)

Best bet to catch this one on the North American east coast is during the winter season on 15330 kHz. It may be better heard on the west coast. If you should hear this broadcaster, you will most likely hear a recorded religious program.

FEBA is a pretty reliable verifier if you enclose a mint stamp, IRC or US\$. Address your report to the station at Box 234, Mahe, Seychelles. Attn: Mary Asba or J. Reddy, their QSL secretaries. Look for your reply in two to three months.

11.) EGYPT - The 250 kw transmitter of Radio Cairo makes this another easy African nation to hear. Hear, but not understand! As anyone who has ever listened to this outfit can tell you, Radio Cairo has the worst modulation on the continent, if not the world. Their modulation is so poor, it is nearly impossible to understand anything that they are transmitting. This is nothing new at R.C., they have been operating like this for a number of years. It is unknown why they continue to operate like this. If you are up to the challenge, try listening at the following times and frequencies:

0200 - 0330 hrs on 9475 // 9675 // 11865 kHz (N. America Beam)
 1215 - 1330 hrs on 17595 kHz (S. Asia beam)
 1630 - 1830 hrs on 15255 kHz (Cen. & S. Africa beam)
 2030 - 2200 hrs on 15375 kHz (W. Africa beam)
 2115 - 2245 hrs on 9900 kHz (Europe beam)

Radio Cairo is another good verifier although not one of the fastest. No return postage is required and occasionally they will include a small sticker or pocket calendar, especially if you graciously ask for such. A reply may take up to six months however.

12.) SOUTH AFRICA - Radio South Africa (RSA) can still be heard rather easily although they stopped beaming their signal to North America several years ago. This was due more to political reasons than economic which is a real shame as this broadcaster provided perhaps some of the best and most diversified programming to come from Africa. Their large transmitters always allowed reliable reception of their signal. With recent changes in the political climate of this nation, possibly they may reconsider their broadcasting policy in the near future. In the meantime you can try listening for English language broadcasts at the following times and frequencies:

0400 - 0500 hrs on 7270//15230//17835 kHz (Africa beam)
 1000 - 1100 hrs on 21535 kHz (E. Africa beam)
 1100 - 1200 hrs on 9555//11860//11900 kHz (Africa beam)
 1500 - 1800 hrs on 7230//17840 kHz (Africa beam)
 1600 - 1800 hrs on 21535 kHz (W. Africa beam)

RSA used to provide very colorful full data QSL's. Although they still do respond to reception reports, they now do so much less frequently. When writing to them, express your desire to have them resume transmissions to North America. It can only help!

A number of domestic broadcasters from South Africa can also be monitored in North America without too much difficulty. Try listening for the following:

Freq.	Service	Hrs of Transmission
3215	R. Oranje	0300 - 0515
4810	R. Suid Afrika	0300 - 0500
4810	R. Orion	2300 - 0300
9630	R. Oranje	0520 - 1620
9665	R. Suid Afrika	0455 - 0615
11770	R. Suid Afrika	0600 - 1455

A reception report to these broadcasters usually results in a QSL card. A dollar bill can be helpful.

13.) LIBYAN ARAB JAMAHIRIYA (LIBYA) - The Voice of the Great Homeland is rather easy to hear. Unfortunately (depending upon your point of view) they do not transmit in English. Tune in as follows:

1115 - 1315 and 1745 - 0430 hrs on 15235*, 15415, 15450, 17725 kHz

* - Best reception on this freq.

A taped report sent to Radio Jamahiriya, c/o Mohamed Sweidan, Box 17, Hamrun Malta - will generally produce a colorful QSL in approximately four months.

WARNING - Your mileage may vary! You will not be able to hear all the stations which are listed in this column. Reception depends upon many variables, including location, season, propagation conditions, weather conditions, time of day, co-channel interference, and all the other factors that affect shortwave reception. With the summer months upon us, African reception can be very challenging due to increased static levels, especially on the lower frequencies. Most of the stations presented to this point may be heard on most receivers without too much difficulty. Of course the better your receiver and antenna, the better your chances for reception.

In the next "African Destinations" column we will begin highlighting those stations which are a little bit tougher to receive and verify. A good outdoor antenna oriented toward Africa will be very beneficial. Over the next few months, it may be a good time to review and upgrade your 'African Antenna' and prepare for increased reception this fall. ♪ ♪ "See You In September" ♪ ♪

NASWA Portraits

Jerry Kilnck

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West Seneca, NY 14224



Happy springtime! And, I'm glad to report, life springs eternal in the "PORTRAITS" column. Thanks to the several who responded to my "S.O.S." our column will be around for a time and we will get to know more of our fellow NASWAs. Now, on to Part II of our Portrait of Dr. Harold Cones.

"During my time in High School, I had a job at Herndon Electronics which was the only TV repair store in town. I became as good a TV repairman as any (until some fool invented transistors and all my vacuum tube knowledge went down the proverbial toilet)! I had added to my shortwave receivership by building a KnightKit 'Space Spanner' which wasn't much of a receiver, the BC-312M worked best with a three foot voltmeter lead for an antenna - anything else overloaded it. I logged some dandies with it while the Space Spanner often had trouble receiving WWV in Maryland, only 100 miles away. Because of my work in the TV store I ran across most of the local hams and one took a special interest in me, helping me get my General Class ticket - W4RKE, as I was known. I built up a large homebrew setup and set the world on fire on 80 meters, but my major interest remained with the shortwave broadcasters. I got me a job at a real science place the summer before I left for college (and every summer for the next four years). That summer I invented, if you will, an electronic activity chamber for small rodents *(and now we have them for small children - NINTENDO - in - the - den. -ed.)* which I am still co-patent holder on, and a wireless microphone that was a real piece of crap."

"At any rate, it was off to college for my money-making interest of Biology and some DXing from eastern Tennessee. My interest gradually shifted from shortwave to other things and I dropped from the hobby, including my ham ticket. I went to graduate school, started a job and a family and then, over Christmas break 1982, I turned up a package of old shortwave letters and stuff, and I felt the fascination returning. With my dad's urging, I bought a 'see-if-you-are-really-interested' receiver, a

DX-100 on sale at Radio Shack for \$79.95 - cheap price because they were dropping it and after a little use I could see why. After a day I was hooked again! But things had changed! Relay stations, 500 Kw transmitters, real hobby publications and so on. The DX-100 gave way to a Yaesu-7700 and in 1983 I verified 117 countries, in addition to going to the ANARC convention in Washington and meeting Russ Lay, Charlie Foxx, David Jones at the Alice Brannigan stretch pants exhibit (and in spite of that I am still in the hobby!!)."

"I joined NASWA in 1982 and, shortly after, the first real meeting of the new ODDX group was held and I was there. For NASWA, I did the Dr. DX column, became Editor-in-Chief in 1987, did Listeners' Classroom and African Destinations. I am now the fellow you write to if you wish to receive one of the NASWA awards. My present country count using the NASWA list is: 220 heard, 216 verified."

"I would like to offer a few reflections: 1.) Verifications in the 50s & 60s had more real postage stamps on them. 2.) Mail from Moscow, Prague, etc. had to be picked up and signed for at the post office back then. 3.) RN & SRI used to send weekly full - detailed program schedules with postcards and other goodies in them. 4.) It seems to me there used to be more shortwave listeners then than there are now. 5.) Hank Bennett issued more than 40,000 WPE call signs in ten years and from what I see in the hobby press now, there can't be nearly that many now - - guess it is all the interest in computers. 6.) The hobby is much more enjoyable when you have others to share it with. 7.) There used to be more local sources of shortwave supplies aside from the mail order outlets, and 8.) The proven choice of shortwave listeners is Hormel Chili and Molsons. Research has shown this combination will increase your country count by 10% by eliminating the competition in the same room, thereby insuring you the highest country count of the night."

Thanks for the visit, Harold. Here we use Genesee beer and Limburger. Till next time 73 & great DX!!!

NASWA Awards

Dr. Harold Cones
2 Whits Court
Newport News, VA 23606
Compuserve 71570,411



WOW!! And welcome to the awards column for June. You have sure kept me and the mailman busy over the last two months. Twenty-two of you scooped up 26 different awards this time, plus a number of endorsements for awards you already own. Congratulations to Kris Field for giving me the greatest writer's cramp and for being the newest Senior DX Centurion (150 verified countries). The running verification battle between Don Hosmer and Steve Lare is heating up, with both putting some new notches on their earphones this month. These two guys are having a great time trying to "out award" each other and have found a new angle to the awards program. If you have not yet discovered the fun of award collecting, why not give it a try? Here is this month's list of folks who will be displaying the latest in NASWA awards in their shack. Names followed by * are either new to the program or returning after some absence.

Blumstein, Paul	DX de Pacifica
Boulden, Brian	All VOA DXer All American DXer
Carberry, Robert	World Wide DXer
Dawe, John	World Wide DXer
Field, Kris	British Commonwealth (Senior and Master) Arab World DXer North American Continental DXer Pirate DXer All Continental QRP--10 kw Australian DXer Master European DXer Senior DX Centurion South American Continental DXer Soviet Sphere DXer Asian Continental DXer
Galletly, David	All Continental QRP--50 kw
Grace, Nick *	Soviet Sphere DXer Senior Time Station DXer
Hosmer, Don	South American DXer Australian 10 Site Endorsement VOA 18 Site Endorsement Round The Clock Continental DXer
Klinck, Jerry	All Continental QRP--25 kw Senior DX Centurion 160 Country Endorsement
Krepp, Ben	All American DXer Antarctic DXer
Lare, Steve	All VOA DXer Senior Indonesian DXer PNG 20 station Endorsement
Lawrence, Ernest *	International DX Listener World Wide DXer
Moore, Jason *	World Wide DXer
Nicholson, Vern *	European Senior DXer
Pitts, Steve *	Master British Commonwealth
Prisco, Daniel	All Germany DXer Antarctica DXer
Schwartz, Barry	World Wide DXer

Smith, Harry *	Pirate, DXer Ecclesiastic 30,35,40 Station Endorsement
Steinberg, Andrew *	Ecclesiastic DXer World Wide DXer
Turnick, David	All Continental QRP--50 kw Senior Ecclesiastic DXer Soviet Sphere DXer Arab World DXer
Walker, Robert	All American DXer
Wilkins, John *	Senior Ecclesiastic DXer 60 Station Endorsement

Featured Award of the Month

NASWA awarded a lot of endorsement stickers this month and based on your notes, I know a lot of you are not quite sure of what endorsements are all about. Physically, the endorsement sticker is a small gold "starburst" with a number centered in the middle. This sticker is then applied to your certificate to signify an update over the original award qualifications. Although the awards booklet does not state it, endorsements are available for almost any award, usually in increments of 5 or 10. It is a great way to keep your awards current and further display your DXing talents. The cost is a dollar. If you have any questions about what endorsements are available, drop me a note. And as always, if you have any questions or suggestions about the awards program, let me hear from you. Until next month, happy hunting, and I will look forward to seeing your name here next time.

Voice of Orthodoxy.

by Jerry Berg

The Voice of Orthodoxy is a Christian association based in Paris. It is an independent voluntary organization which aims to serve the religious needs of those Orthodox Christians in the former Soviet Union who have little or no contact with priests or churches. The overwhelming majority of Christians in the former U.S.S.R. are Orthodox. It has been estimated that there are between 50 and 70 million of them. But many of these people have been deprived of churches and priests and often remain ignorant of the main tenets of the creed. The Voice of Orthodoxy tries to help these people that are scattered throughout the country and alleviate the difficulties connected with the religious education of children.

The Voice of Orthodoxy uses radio broadcasting to spread its message. The programs are made and recorded in Paris and transmitted by shortwave from Radio Trans Europe in Portugal. The Voice of Orthodoxy began broadcasting to Russia in 1981 for 15 minutes weekly. Within eight years it had expanded to 198 minutes per week. Gradually, reactions from the Soviet Union accumulated. Although their program time is now somewhat reduced (1-1/2 hours per week since the beginning of 1992), they are overloaded with work at present due to the developments in Russia and the tremendous increase in letters from listeners there. They are also exploring the possibility of broadcasting over local Russian stations.

The schedule of the Voice of Orthodoxy is as follows: On 9670 kHz., Wednesday at 1700-1730, Saturday at 1630-1700; on 9690 kHz., Sunday at 0500-0530. In addition, there are 12 one-hour broadcasts which relay the liturgy on the "great feast days"—weekdays at 1600-1700 on 9670 kHz., Sundays at 0430-0530 on 9690 kHz. The broadcast on Wednesday is devoted to prayer. The broadcast on Saturday is designed to teach children and the young the basis of the faith and of Christian morality. The broadcast on Sunday morning transmits part of the liturgy of the day, as well as texts and commentaries related to Orthodox spirituality and the doctrine of the Christian faith.

The station verifies with an attractive, full-data card. The address is: Voice of Orthodoxy, B.P. 416-08, 75366 Paris Cedex 08, France.

[Compiled from information supplied by the Voice of Orthodoxy.]



RADIO STAMPS

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Collecting radio stamps is another great way to enjoy the radio hobby. The **Radio Stamps** column features illustrations and collecting tips for radio subjects on postage stamps, meter stamps, postal cancellations and other philatelic items.

Watch for Radio Anniversaries on Stamps in 1992

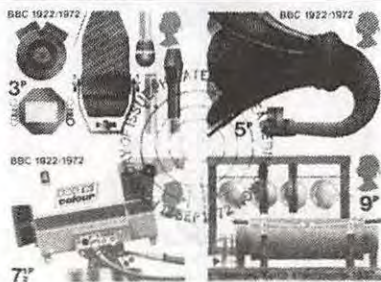
This could be a good year for collecting radio stamps. Keep your eye open for possible new postage stamps, meter stamps and postal cancellations this year, from around the world, to commemorate broadcasting anniversaries in Gambia (Radio Gambia: 30th anniversary), Great Britain (BBC: 70th anniversary, Radio Leicester: 25th anniversary), Switzerland (70th anniversary of broadcasting) and the United States (VOA: 50th anniversary). Write if you have news, and I'll include it in an upcoming column.

Here's a look at some examples from previous years that would make great additions to your collection.

The BBC celebrated 50 years of broadcasting in 1972. To commemorate the anniversary, four postage stamps were issued in Great Britain on September 13. The 3 p denomination features a variety of microphones, and the 5 p stamp shows a horn speaker. The 7½ p issue has a BBC television camera, and the 9 p stamp shows equipment from the Marconi/Kemp experiments of 1897.

Post Office First Day Cover

BBC & Broadcasting History



C G Thompson
2335 Hildonan Avenue
OTTAWA
Ontario
Canada
K2B 7L1


BY AIR MAIL

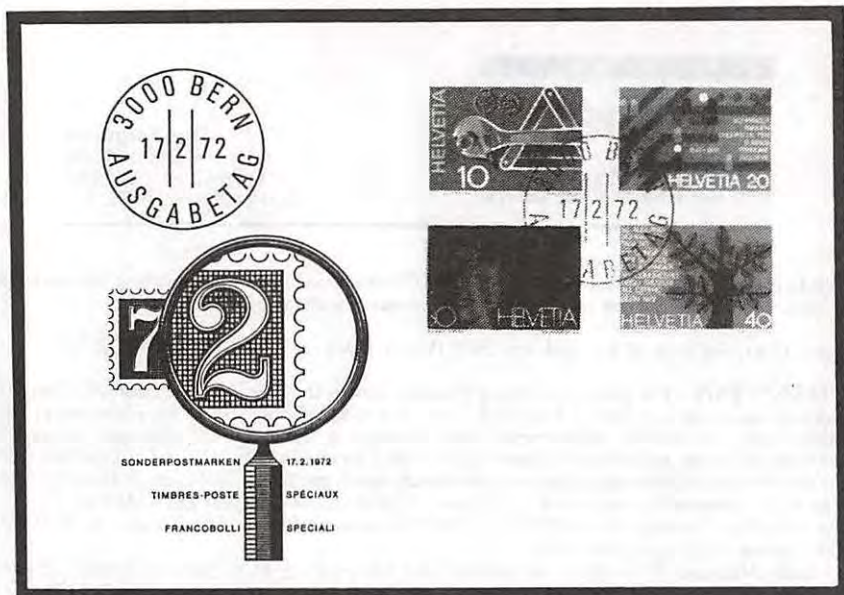
Radio Gambia first broadcast in May 1962. Three commemorative postage stamps were issued for its 10th anniversary on May 1, 1972. The 4 b and the 37 b denominations show the office and studio building of the station. The design of the 25 b denomination stamp features a map of west Africa, including a radio tower and radio waves in The Gambia at Bathurst.



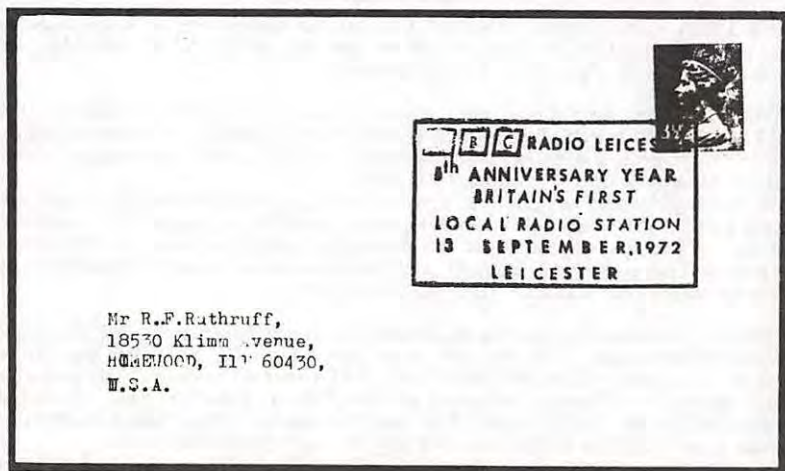
The Voice of America was established in 1942 during the second world war. To celebrate its 25th anniversary in 1967, a 5 c commemorative postage stamp was issued by the United States on August 1st. It shows a stylized radio tower with radiating radio waves. Although I'm not aware of any first-day-of-issue cancellations with a radio design for this stamp, an attractive first day cover was issued. The cachet on the left shows the VOA's master control board in Washington, D.C.; an array of radio towers and antenna, at an unidentified location; and the globe encircled by radio waves. Let's hope there are plans for a special commemorative postage stamp, and accompanying first-day-of-issue postal cancellation, for this important anniversary of the VOA in 1992. If a postage stamp is not possible for the VOA's 50th anniversary, perhaps a special meter stamp can be issued to commemorate this anniversary. Postage stamps, meter stamps and postal cancellations have been used around the world to commemorate significant radio anniversaries, and the VOA's 50th anniversary is certainly worthy of such philatelic attention.



I'd be grateful to learn what the location is for the radio towers and antenna that are illustrated on the 1967 VOA first day cover. I'd be pleased as well to know if other first day covers were issued for the VOA's 25th anniversary. If you have information, please write with details or illustrations for the column.



The 50th anniversary of broadcasting in Switzerland was commemorated with a special postage stamp on February 17, 1972 (above). It features symbolic radio waves and the face of a child. Postal cancellations make great additions to your collection too. The 5th anniversary of Radio Leicester, Britain's first local radio station, was noted with a special BBC cancellation on September 13, 1972.



Until the next time, best wishes for good listening and collecting.

Listener's Notebook

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

AFGHANISTAN - The forces of Achmed Massoud took over *Radio Afghanistan* 4/25. The 41m HS suddenly moved to new 7202.3 kHz from 7199, and reception improved. Programs are in Dari and Pashto only; no English. All external broadcasts were suspended; 9635 kHz now carries HS. Some former RA freqs, including 4770 and 6230 kHz may be reactivated. (VG and JM/RNMN 4/30)

The *Voice of Afghanistan (Sada-e Afghanistan)* noted in Dari & Pashto on 6146 at 0135 and 1315 on 4/27. Announced sked as 1415-1515 on 7.1 MHz, 0130-0245 and 1315-1415 on 7.2, 6.1, 5.3 and 3.8 MHz. Gave address as GPO Box 1207, Peshawar, Pakistan. The station was heard 4/28 at 1415-1514 on 7125 kHz. (WBI 5/1)

Radio Message of Freedom, controlled by the Islamic Party of Afghanistan (Hezb-e-Eslami) under Golboddin Hekmatyar, continues to operate on 7091.5 kHz. Sked is 0145-0315 & 1400-1500. On 4/26 the 1400-1500 xmsn was absent, but on 7089 kHz there was a relay of RA at 1400-1545. On 4/27 it broadcast as sked at 0145, but appears to have extended sked, as was still on at 0930 and 1400. On 4/29 it gave an address as Pakistan, Peshawar, University Town GPO Box 857. (WBI 5/1)

ALASKA - *KNLS*, Box 473, Anchor Point, AK 99556, Z92 sked: EE 0800-0900 on 7365 kHz, 1300-1400 on 9660; RR 0900-1000 on 11820, 1200-1300 on 7365, 1400-1500 on 9615; CC 1000-1200 on 9660, 1500-1600 on 7365 & 1600-1800 on 9615 kHz. EE programs have some JJ material. Welcomes reports & replies with full-data QSL cards. Stickers and pennants are available upon request. Return postage is appreciated. (KNLS direct to DXPL 4/25) Was to move the 1300-1400 EE on 9660 to new 11580 due to "difficulties with 9660". (Dennis Allen in ADXN 5/92)

ALGERIA - *R. Algiers* on 17745 kHz in EE to 1800; sports at 1730 Mon. (AC on DXPL 4/18)

ANTARCTICA - *LRA36 Radio Nacional Arcangel San Gabriel* was to return at the end of February, per report on DXPL & WoR, but still no trace of it on 15475.7 in early May; only R. Moscow in SS from 2130. (Ernie Behr, Kenora, Ontario)

ARMENIA - The *Armenian Radio First Program* SW sked is: 0300-0653 on 4040, 4810, 6065; 0653-1359 on 4040, 4810, 6065, 7175 (Moscow); 1359-1659 on 4040, 7175 (Moscow); 1659-2000 on 4040, 15100 (Moscow-announced), 17705 (Moscow). 4040 & 4810 are irregular. (WBI 5/1) From May 2, Armenia is GMT + 5 hours. (WBI 5/8)

The *Voice of America* has purchased time on a MW xmtr near Yerevan for a one-hour daily broadcast in Arabic. The xmtr on 1314 kHz is reputed to have 1000 kw but no VOA engineers have visited it yet. It puts a very good signal into Bahrain during the AA xmsn at 1900-2000. The Yerevan relay will put good signals into Iran, Iraq, Saudi Arabia and Kuwait. Other MW relays in Asia are under study. (Bill Whitacre, VOA, on RNMN 5/7)

AUSTRALIA - A revised freq sked for *R. Australia* [no date given, but possibly 3/29] shows these changes: 0400-0700 on new 17670 kHz, 300 kw at Carnarvon, in CC 0400-0500 Mon-Fri and EE at other times. Also, 0900-1430 on 9470 kHz from a 250 kw xmtr at Carnarvon. This is also beamed to China. Portions of the EE service are carried at 0900-0930 and 1100-1130. Also, 17715 kHz from Shepparton at 0000-0830, with FF at 0000-0030 and EE thereafter. (Andy Sennitt on RNMN 4/16) *R. Australia* is on 17565 kHz to SAs 1430-1800 with exc.sigs. (VG/RNMN 4/30)

R. Australia non-English sked: Cantonese 1300-1430 on 6060, 9470, 9560, 13605 (from 1300). Chinese (Mandarin) 0400-0500 on 17670, 17880; 1000-1400 on 9470 (-1300), 13605, 15170; 2200-2400 on 13605, 15170 (fm 2300). French 0000-0030 on 11720, 11880, 15240, 15365, 17715, 17795, 21740. Indonesian 0900-1230 on 9560, 9770, 15530; 2130-0030 on 7205 (-2300), 950 (-2300), 11910 (fm 2300), 15530 (fm 2300). Thai 2300-2400 on 13705, 15380. Tok Pisin 0900-1100

on 6020, 6080, 7240, 9710, 11720. Vietnamese 1300-1430 on 7150, 9770, 13755. RA has English for the southwest Pacific at 0800-0900 on 6020, 6080, 7240, 9710 and 11720. (WBI 5/1)

BELGIUM - The FF-speaking *RTBF* stopped all SW b/c on 5/11. No official reason was available on 5/19 when an RNMN reporter called. Funding has now run out, leaving the Flemish-speaking BRTN as Belgium's sole shortwave operator. (RNMN 5/21)

BOLIVIA - *Radio Libertad* reactivated on 5006.06 kHz. Heard 5/5 at 0055 w/easy SS vocals & several IDs by M&W annrcs. Good signal in LSB, where it overcame the ever-present UTE. I seem to remember hearing this for the first time around this time last year. (Hans Johnson, Columbia, MD)
R. Emisora Reyes, 4421.2 kHz, is off the air. *R. Hitachi*, 4530.1, is irregular. *R. Grigota*, 4829.8, weekends only, when the relay *Cadena Deportiva* (Sporting Network) in // with other Bolivians, such as *Radio Santa Cruz*. Also has Bolivian dance music Saturday evenings. *R. San Ignacio*, irregular on 4900 kHz, may operate during festival days only. *Radio Illimani*, inactive on 4945, but still on 6025 kHz. *Radio Minería*, 4986.7 kHz, not heard in several months. *Radio Animas*, 4991.2 kHz, is inactive. *Radio Dos de Febrero*, 5504.9 kHz, is very irregular. (Julian Anderson, in Pampas DXing, via DXSF, via Hans Johnson)

Radio Movima address is Calle Baptista No. 24, Santa Ana de Yacuma, Yacuma, Benin Department. *Radio Florida*, located in Samiapata, Bolivar Province, Santa Cruz Department, has reactivated on 3370 kHz. (Julian Anderson & Gabriel Ivan Barrera, in LARW/DXSF via Hans Johnson)

R. Hitachi, 4531 kHz, heard at 2308; gave an address at Calle Sucre. (Antonio Ribeira da Motta, Brazil, on DXPL 4/19) [WRTH 92 gives address as Casilla 400, Guayaramerin, gives no sked. Hitachi is the family name of the owner.--mf]

R. Santa Cruz, Santa Cruz, 6135 kHz, heard in Venezuela at 0417 with Andean music; full address and ID. (Fernando Vilorio, Venezuela, on DXPL 4/18)

La Voz del Tropico, Villa Tunari, Cochabamba, 5948 kHz., was heard in Argentina at 0009 UTC. At 0220* announced it would return at 0930. (Gabriel Ivan Barrera, Onda Corta, on DXPL 5/16) [WRTH 92 lists this one on 4435 kHz. from 1000-1400 and 2100-0200.--mf]

BOTSWANA - All four 100 kw xmters VOA's Botswana relay are now operating. (Bill Whitacre, VOA, on RNMN 4/23) VOA is being heard in India on 15445 at 1600-1800. (Pinto Dahwan, Ludhiana, India, on RNMN 5/21) Current sked is: 7265 and 7280 at 0300-0500 EE; 9885 at 0300-0430 & 0500-0700 EE; 11940 0300-0430 EE; 15165 1630-1730 Swahili; 15370 2200-2300 PP; 15375 0430-0700 PP/Hausa/FF; 15445 1600-1800 EE, 1800-1900 Amharic; 15495 1900-2200 EE; 15600 0500-0700 EE; 15625 1730-2300 PP/FF/Hausa/FF/PP; 17650 0430-0700 PP/Hausa/FF; 17705 1630-1830 Swahili/PP; and 17870 1830-2300 FF/Hausa/FF/PP. (VOA Freq Div BBS)

BRAZIL - *Radio Equatorial Macapa* has reactivated on 3380, rather than the former 3375 kHz. V/s for *Radio Educadora Cariri*, Crato, 3255 kHz, is Padre Goncalo Farias Filho, Director Gerente. (JA & GIB, in LARW, via DXSF, via Hans Johnson)

R. Dourados, Dourados, 3375 kHz, heard at 0358 with religious program; full ID at 0400, "Radio Clube, 720 kHz, and R. Durallos on 3375 kHz"; signed off without anthem a moment later. (Antonio Ribeira da Motta, Brazil, on DXPL 4/18)

R. Universo, Curitiba, 11905 kHz, heard will in NZ at 0700 when Radio Canada leaves the freq. That's from Mon-Fri UTC. The channel is clear for R. Universo Sat/Sun when RCI is silent, but blocked shortly after 0700 when Deutsche Welle signs on. (AC on DXPL 4/18)

R. Aparecida, 5035 kHz heard in NZ around 0930 with continuous talk. (AC on RNZI 4/26) [WRTH 92 says 0800-0300--mf]

BULGARIA - The First National program of Bulgarian Radio has an out-of-band outlet on 7670 kHz with 15 kw. It signs on at 0400 // 11660 kHz. (Ivan Cholikov, Bulgaria, on DXPL 4/25) [WRTH 92 says R. Horizont, the First Program, runs 24H.--mf] [But shows the 11660 relay at *0830, doesn't mention 7670. WRTH-91 showed *Horizont* on 7670 at 0400-2200. dj]

Radio Sofia announced a new English sked, from 5/2: 2145-2315 and 0000-0045 on 11720, 11660, 15330 kHz; 0300-0400 on 9850, 11720 and 15160; 1100-1230 on 11630; 1730-1900 on 9700; 11720, 11765, 15330, 17780, 17825; 1945-2030 on 11765, 17780, 17825. (WBI 5/8)

BURMA - (cf May LN) The town of Myawadi is near the border with Thailand where there is currently fighting between government and Karen forces. The station is still active. (Andy Sennitt and VG on RNMN 4/16) [The town's not on my very small maps.--mf] It's heard very well in Sri Lanka and is as strong as R. Myanmar, the regular home service on 5990 kHz, so the power of 5973 kHz is thought to be in the 50 kw range. It's been very regular *0900-1330 and 1430-1530*. Sarat

Weerakorn recorded the ID and persuaded some visiting Burmese monks to translate it. It IDs as Myawadi B/C stn and is primarily for Burmese security forces. (VG on RNMN 4/23)

Radio Myanmar has reportedly moved from long-time 7185 to 7155 kHz for the transmission at 0030-0230. (DXPL)...this has always been a very difficult catch but it has been heard on occasion here - usually only in mid-winter, until 0100+ fade-out due to Asian sunrise. (David Clark, ODXA)

CAMBODIA - The UN Transitional Authority is to set up a national radio station, to broadcast nationwide, principally in Khmer. A Japanese charity has begun collecting funds to buy 250K transistor radios so Cambodians can hear it. The four rival factions, which operate their own clandestine stations, will have access to the new station. The Australian B/c Corp. has submitted a proposal to launch the operation. It's not known whether SW or MW will be used. (RNMN 4/30)

CANADA - C1CQ/CFX, Montreal, 6005 kHz, heard in NZ around 0800 despite severe co-channel QRM from NHK and others. (AC on DXPL 4/18) [That's the 600-watt NHK xmtr at Sapporo. One man's rare catch is another man's QRM. I'd settle for either one.--mf]

On 3/29, RCI made some freq changes - for EE to Asia at 1330, 11795 via Xian (China) replaces 6150. They have also dropped the 3 freqs via Kimje (S.Korea) for EE at 13300 (6095 & 9700). Also dropped is the EE xmsn to Asia at 2030. NFs for EE to ME 0400-0430 are 15275 via Moosbrun (Austria) (ex 11925) & 15445 (via Skelton) ex 9505 Daventry. [Glenys Dunn] (ADXN)

On 4/8 RCI announced it was broadcasting, in cooperation the Canadian Forces Network, a special pgm for Canadian forces in Yugoslavia. The b/c in EE & FF is Mon-Fri 1900-1930 on 5995, 7235, 13650, 15325, 17875, 21675. [Austrian SW Panorama via Paul Bailey, BBCM] (ADXN)

CHILE - R. *Esperanza*, Temuco, 6088.5 kHz, heard in Buenos Aires at 0715 with religious programming in SS; asking for reports. (Gabriel Ivan Barrera, Onda Corta, on DXPL 5/16)

CHINA - China has abandoned summer time because it was unpopular and has not produced the expected economic gains. No broadcast schedule changes are expected.

Beijing's external service, in five Chinese language broadcasts including CC (Standard Chinese or Mandarin) and four dialects, used to be called Beijing Broadcasting Service. Since 2/1 it came on with a new name: the *China International Broadcasting Station*. The bureau which controls these b/cs, formerly known as the Department of Broadcasts for Chinese Merchants Abroad, is now known as the Chinese Language Department. In recent years it has been trying to reach Chinese students as well as merchants. R. *Beijing's* foreign language broadcasts still use the old name, but that too may change. (Tetsuya Kondo, Asian Broadcasting Institute, on RJMR 4/12)

China's first commercial station, *China Hua Yi Broadcast Co.*, was founded in Fuzhou, Fujian province, on 9/1/91. "Hua Yi" means "Chinese Entertainment". It's sked 0955-1800 on 666, 6185, and FM freqs. Also claims to use unheard 4830 kHz. Each pgm is an hour. Music ranges from classical to EZL. Pgms are for SE China and SEA. (Tetsuya Kondo/ABI/RJMR 4/12)

The *Voice of Puijiang*, Shanghai, has dropped 3990 for 7115 kHz. The parallel freqs of 3280 and 4950 kHz, directed to Taiwan, are unchanged. (Tetsuya Kondo, ABI, on RJMR 4/12)

COLOMBIA - Radio Nacional de Colombia, Bogota, 11822 kHz, heard with DX program in EE from 2335-2345 Sat. (Ken Lowe, Santa Barbara, CA, on DXPL 4/18)

Ecos del Atrato, Quibdo, 5020 kHz, heard with good sigs in Quito at 0302 with football anmts; gave freqs at 1400 MW and 5020 SW, mentions of Caracol network. (RMV/QLB/DXPL 5/2) [WRTH 92 says 1000-0400--mf]

Colombian opposition station *Radio Patria Libre* was noted 4/23 at *0030-0105* on 5860 & 15050. Ancd sked as 0030 on 5850 & 15050, and 1130 on 6300 & 15050 kHz. (WBI 5/1) Hrd *0025-0105* w/mx & SS talks; good 4/19 on 15045, //5850 weak; next day on 15050. (Ernie Behr)

CONGO - *Radio Congo*, Brazzaville, 15190, has an irregular sked. In late April had FF 1200-1400*v, but not daily; R.Moscow in FF to 1400* on same frequency. (Ernie Behr)

COSTA RICA - *TIAWR Adventist World Radio*, 5/6 on new 6150, 0100-0500 in SS, but heavy QRM from Caracol. TIAWR not heard since then on 6150. I warned them about Caracol QRM in March, but they ignored the advice. (Ernie Behr)

CROATIA - *Croatian Radio*, Zagreb, *First Program*, to Europe 24 hours on 7240, 9830, 21480. Sked given shows English news 0603-0610 & 0803-0810 Mo-Sa, 0703-0706 & 0903-0906 Su, 1203-1210 & 2103-2110. (WBI 5/8) Heard in Japan in EE to NA at 2100-2155 on 17272 kHz. Signals were poor despite a 100-meter antenna. (Nobuyoshi Aoi on RJMR 4/26) Croatian Radio has EE from 0705-0709 Sun only on 9830 kHz. (AC on RNZI 4/26) [So beginning time may vary. df] Heard on

new 21480 1159; English news summary 1203-1207 hrs. (Richard Langley, Canada, in SCDX 2155)
Croatian Radio heard on new 6210 //1134 MW in EE at 2220. (Julius Herrmanns on
RNMN 5/14) BBCM mentions 9830 and 7240 but not 6210 kHz. (Andy Sennitt on RNMN 5/14)

CZECHOSLOVAKIA - For J92 *Radio Czechoslovakia* (ex R Prague) planned some new frequencies: 9580 0000-0027 & 0100-0130 EE to NA; 9810 0300-0330 & 0400-0530 EE to NA; 15355 0400-0430 EE to NA. [Bob Padula, Michael Rolph] (ADXN)

DOMINICAN REPUBLIC - *Radio N-103*, Santiago, 4800 kHz, heard at 0424 with tropical music;

ID as "Ene Ciento Tres Efe Eme desde Santiago." (Fernando Vilorio, Venezuela, on DXPL 4/18)

R. Santiago, Santiago, 9878 kHz has QSL'ed for Richard Urena of Massachusetts. The best time for reception is 0300 with signoff at 0400. (RNMN 5/7) Signs on abruptly on 9877 at about 2317; closes 0315, but after 2400 is wiped out by R. Austria on 9875. Announces 9875 in EE, but it varies up to 9878. (Richard Urena, MA, and Andy Sennitt on RNMN 5/14)

ECUADOR - The address for *La Voz del Rio Tarqui* is Casilla 877, Cuenca. V/s is Sr. Boris Cornejo. (JA & GIB in LARW, via DXSF, via Hans Johnson)

WHAT'S ON THE AIR IN ECUADOR compiled by HCJB's Richard McVicar. Stations not mentioned have not been heard in the last few weeks.

- 3220 *HCJB* (Pifo); 0236 SS w/*Hoy, El Pais* program; exc 4/27.
3240 *Radio Antena Libre*, Esmeraldas; not heard since February.
3270 *Ecos del Oriente*, Lago Agrio; 0215 pop mx pgm; exc w/het & other stn under, 4/27.
3280 *La Voz del Napo*, Tena; 1100 w/*Amanecer Cristiano* pgm, ID w/call, freq. Exc 4/27.
3286 *La Voz del Rio Tarqui*, Cuenca; regular lately, better than normal sigs; e.g., 4/24 at 0252 w/Ec ballads, ads for an appliance store in Cuenca, chimes, TC/ID, into pop mx.
3290 *Radio Centro*, Ambato; 0252 romantic music, election campaign ads, TC en Radio Centro"; very good 4/24.
4679 *Radio Nacional Espejo*, Quito; operates very irregularly. Noted 4/24 at 0246 w/radio soap opera; excellent sig, //1310.
4795 *La Voz de los Caras*, Bahía de Caraquez; presumed this at 0000 w/pop music; suddenly off at 0001; very good signals.
4800 *Radio Popular Independiente*, Cuenca; 1153 w/election ad, YL TC, promo; exc. 4/23.
4840 *Radio Interoceanica*, Santa Rosa; 1109 in Spanish w/instr music, TC, into to Quichua-language programming; excellent 4/27.
4890 *Centinelas del Sur*, Loja; 4/23 1200 w/election campaign news pertaining to Loja; very good. This station still uses 4870v kHz many evenings, perhaps to avoid QRM from Peru's *Radio Chota*. In Quito, *Radio Chota*'s signals are almost as loud as CDS's.
4900 *La Voz de Saquisilí/Libertador*, Saquisilí; 1146 beginning *Amanecer Andino* program, with Prof. Arturo Mena hosting. He is the station's owner & manager. Lots of Ecuadorian folk music & local ads and anmts, such as obituaries.
4920 *Radio Quito*, Quito; 1146 news about a group of Ecuadorian Indians from the eastern provinces marching to Quito. Excellent & // 760 kHz.
4961 *Radio Federacion Shuar*, Sucua; 1141 in presumed Shuar w/YI talking; exc 4/23.
5010 *Escuelas Radiofonicas Populares*, Riobamba; 1119 in SS interviewing head of the Free Worker's Union of Chimborazo province, TC, local anmts; exc 4/23.
5020 *Voz del Upano*, Macas; 1123 in SS w/*El Santo del Dia* (The Saint of the Day) program - on St. George and St. Albert. Full ID 1125 giving 5020, 5965 & 6000 kHz as one group of frequencies; then 90.5 FM, 1540 MW and 5040 as the frequencies with "programacion regular". 5020, 5965 & 6000 have radio classes. Excellent 4/23.
5030 *Radio Catolica Nacional*, Quito; 1118 news about Pope John Paul II; very good. //880, but strong het & other station underneath.
5040 *Voz del Upano*, Macas; 1127 instrumental music, then into *Onda Noticiosa* (Newswave) news program. Very good with het 4/23.
5050 *Emisora Jesus del Gran Poder*, Quito; 1112 with news on the Indian march into Quito, TC, news in detail. TC mentioning *Francisco Estereo* (their FM station on 102.5 MHz) and *Radio Jesus del Gran Poder*. Exc //670 & 102.5 FM.
5062 *Radio Progreso Nacional*, Loja; 1107 w/ad for electric shop in Loja, election campaign ads, TC & ID, into news. Very good 4/23.
5965 *Voz del Upano*, Macas; 1133 in Spanish, just beginning radio class. Very good 4/23.
6000 *Voz del Upano*, Macas; 1133 in Spanish, just beginning radio class. Very good 4/23.

Radio Pastaza, Puyo, 3315v kHz, is in a difficult economic position and probably won't be back on shortwave soon, if at all. (All above from HCJB's Richard McVicar)

HCJB anned it would move its SSB xmtr from 21455 to 17895 kHz 5/1 or 2 because propagation changes have reduced the effectiveness of the 24H 13m operation. (DXPL 4/11) As of 5/18, still using 21455. Good sigs in the Netherlands in mid-May. (Andy Sennitt/ RNMN 5/21) **HCJB** had a problem with 17890 5/9 from 1400 in EE; strong spurs on 17880, 17900 & every 10 kHz to 17990. (Ernie Behr) [Checked it at 1300 5/23. 17890 has distorted audio, but couldn't find any spurs. df]

R. Centinela del Sur, Loja, on new 4872 kHz, ex 4890, is heard in Venezuela around 1000. (Manuel Rodriguez Lanza on RNMN 5/14)

EL SALVADOR - **R. Venceremos**, San Salvador, 6330 kHz, has been heard in Japan from 1200 to 1230 fadeout. The ID begins "Transmite Radio Venceremos." (Nobuyoshi Aoi on RJMR 4/26)

EQUATORIAL GUINEA - **Radio Africa 2000**, 6907 kHz, finally verified with a very nice, very professionally done card. Front has stn name, "Cooperacion Espanola" logo and nighttime view of the "Africa 2000" building (a big Spanish plantation-style house), back has full-data veri statement and stn info. They're 10 kw on SW, 60 degree log periodic antenna, also 10 kw on 90.9 FM. Card says stn was inaugurated on 10/11/89 as a cultural station, a cooperative venture between the Eq. Guinea Ministry of Culture and "Cooperacion Espanola," apparently a Spanish effort to improve the cultural and educational level of the population, facilitate local cultural development and reinforce the concept of a Spanish community and the use of the Spanish language. Also a letter from Teodora Silochi Thompson, Secretaria, who says she likes to maintain correspondence with people in other countries. She apologizes for late reply but explains (I think) that they had to wait for the cards to be printed in Spain, and now they have a backlog of reports to reply to. For a taped report, seven months since follow-up, ten months total, though only 7 days in transit from Malabo. Worth waiting for. No address as such anywhere, though letterhead says "Embajada de Espana, Cooperacion Espanol," so I'm sure a ltr to Radio Africa 2000 c/o the Spanish Embassy, Malabo, will do it. (Jerry Berg)

GERMANY - For Z92, **Radio Free Afghanistan** programs are heard 3 times daily, in lieu of former twice daily, in Dari & Pashtu. Each lang segment now runs for 15 minutes instead of former 30 minutes. Sked is: 0230 Pashtu, 0245 Dari, 0300 Pashtu, 0315-0330 Dari, all on 9715B, 9770B, 11815M; 1300, 1315-1330 Dari on 15405B, 17725G, 17760L, 21510G; 1530 Pashtu, 1545-1600 Dari on 15160B, 17805G. For Z92, RL is listed for the new frequencies of 15415B Uzbek 1700-1800; 9605L 1900-2000 Tartar-Baskir; 9635H 0400-0600 Tartar-Bashkir. (B = Biblis; G = Gloria, Portugal; H = Holzkirchen; L = Lampertheim; M = Maxoquiera, Portugal). [Bob Padula] (ADXN)

GEORGIA - **Radio Georgia** is on 11760 kHz at 2000-2030 & 2100; 11805 at 0500-0530. BBCM found it 4/21 at 2000-2030 in RR & 2030-2100 in EE, on 11760.3 kHz. (Mayak 4/15 via WBI 4/24)

GUATEMALA - **R. Maya**, Barillas, 3325 kHz, making it into Quito at 1103 with ranchera music and full ID in SS. (RMV/QLB/DXPL 5/2) TGTZ, **R. Tezulutan**, 4835 kHz, uses marimba music in lieu of an IS from 1050 to sign-on at 1100. Very good in NZ in early April. (AC on RNZI 4/12)

HONG KONG - **RTV Hong Kong** told Tooru Yamashita that the Hong Kong-to-Manila yacht race sked for 1992 on 3940 kHz was 1015-1030 and 2215-2230 UTC from 4/17 to 4/23 inclusive, and 2215-2230 only from 4/24 to 4/29 inclusive. (RJMR 4/19)

IRAN - The *Voice of the Islamic Republic of Iran* announced the following sked for English broadcasts from May 1: 1030 to ME/Afr on 9525 & 11715; to SEA/SAs on 11790 11910; to Persian Gulf, Pakistan & Afghanistan on 11930. The 1300 xmsn to E.Eur. & NW Asia is dropped. 1830 to Eur/N.Afr on 9022 & 15260 kHz. At 2330 to NA on 9022, 15260 & 15315 kHz. (WBI 5/8)

IRAQ - **Radio Iraq International** expanded its external service and is currently noted with these add'l bcsts: 0600-0800 AA to listeners "in the Arab Magreb and North African countries" on 13680 kHz. Announces 7240 for Egypt, 13680 for Tunisia, Algeria, Morocco; 15385 for Libya, 15400 for Sudan. At 1300-1600 English on 15400 & 11250, target area not known. 1800-2000 English to Eur on 15210. Includes brief news in FF/GG/SS at 1930. 2000-2300 AA "for England, France, Italy and Spain" on 15210; has some EE anmts. 2300-0200 AA for "Venezuela" on 15150 and "for Brazil and Argentina" on // 17740; has some EE anmts. 0100-0400 AA "for our listeners in Chicago" on 15340; also some EE anmts. The new 2300-0200 and 0100-0400 xmsns thought to replace a combined b/c to North and South America previously transmitted at 2215-0115. (WBI 5/15)

Radio Iraq International (Itha' Al-Iraq Al-Dolia) 5/10 on new 15050.4, //17740 at 0010 in AA w/IDs. Who's modulating these xmtrs, Radio Cairo? Absolutely horrible modulation. (Hans Johnson)

Iraqi Republic Broadcasting 5/9 at 0127 on new 6560.2, ex 6540.2. The AA svc heard here must have been rather short lived, as I am once again hearing Iraq's Kurdish service here with clucking chicken IS & s/on in Kurdish. The service has alternated between these two frequencies since it first appeared here about a year ago. Keep in mind that the old *Radio Baghdad* ID was the former ID for foreign services that now use the *Radio Iraq International* ID. Domestic services, such as the Arabic and Kurdish service, use the above ID in their respective languages. Hence, although the *Radio Baghdad* ID was widely used by DXers (myself included) to identify both foreign and domestic service transmissions, such usage was inaccurate. (Hans Johnson)

The **Republic of Iraq Radio** main domestic service in Arabic is currently on 3980 kHz, not on 4600 or 4605 kHz. (WBI 5/15)

Baghdad home service on 4610 or 4600 kHz heard in Quito in mid-April with very good signals around 0240 UTC; Arabic programming with woman announcer. (RMV/QLB/DXPL 4/18)

At least three political parties in Iraqi Kurdistan have their own radio transmitters. A RNMN correspondent visited one station. The *Voice of Iraqi Kurdistan* has been heard by BBCM irregularly since 1965. At present it has a 10 kw xmtr on 4175 kHz with a range of 1800 miles [Wonder how they calculate that. df], and a 400 w xmtr on 6295 kHz. The sked is 0430-0600 and 1500-1845. The studios and xmtrs are at a resort called Saladin. The Kurdish people are managing their own affairs at least for the time being, despite border attacks from the north by the Turks & from the south by Saddam Hussein's Iraqis. Programs are targeted at the people of Iraqi Kurdistan and those Kurds living in other parts of Iraq. The political parties also operate their own TV stations. (JM and Hedy Loverdink on RNMN 5/21)

ITALY - RAI publication "This is RAI Calling From Rome" mentions that the station receives an average of 15,000 letters a year from listeners all over the world. Correspondence from Japan has diminished due to the problems RAI has had in producing a Japanese language program.

Current schedule in effect until September 1992 shows five English broadcasts: To Great Britain 1935-1955 on 7275, 9710 & 11800 kHz; to Near East 2025-2045 on 7235, 9575 & 11800; to the Mediterranean area 0425-0440 on 7275 9575; to Japan 2200-2225 on 9710, 11800, 15330; to NA 0100-0120 on 9575 & 11800. Also, the programs of two of the three National Networks of RAI are broadcast daily on shortwave: *Radio Uno* at 0400-2129 on 6060 & 9515; *Radio Due* 0400-2129 on 7175 kHz. The third National Network, which is listed for 3995 kHz, is shown in the program schedule as "temporarily suppressed". (Richard D'Angelo & Mike Fern) *Notturmo Italiana* is on 6060 kHz at 2131-0345. (RAI summer sked via Mike Fern--CA)

Gabriella Tambroni, assistant director of the Department of Programs for Abroad, wrote in the summer issue of 'RAI Calling' that "The many listeners who have complained about poor reception of our signals are perfectly right; our present equipment at Prato Smeraldo near Rome dates from the 1930's and, although it has recently been strengthened and brought up to date, it is still inadequate."

RAI English pgms include: to NA 0100-0120 on 9575 and 11800; Mediterranean 0425-0440 on 7275 and 9575; Near East 2025-2045 on 7235, 9575 and 11800; Japan 2200-2225, 9710, 11800 and 15330 kHz. **Spanish** to CA/SA at 0100-0120 on 11800 and 15245 kHz; 0305-0325 on 9575, 11800, 11905 and 15245 kHz; and for Spain at 2050-2110 on 7275 and 9575 kHz.

Italian at 2230-0100 to NA/CA on 9575, 11800, 11905 and 15245; Somalia-Ethiopia at 0430-0510 on 15330, 17795 and 21560; Africa 1700-1745 on 7235, 9710, 15385, 17780 and 21690; Central Europe 1555-1635, 5990, 7290 and 9575 kHz.

Portuguese to Brazil at 0120-0135 on 11905 and 15245; to Portugal at 2110-2130 on 9575 and 7275 kHz. **French** at 0120-0135 to NA on 9575 and 11800; 1430-1455 to France on 7290, 9575, and 11905; and to Africa at 1630-1655 on 7235 and 9710. GG to Austria from 1535-1550 on 5990, 7275 and 9575; and to Germany at 1750-1825 on 5990, 7275 and 9575 kHz.

Other languages: *Albanian*, 2000-2030, 7235 & 9675; *Amharic*, 0415-0435, 15330, 17795 & 21560; *Arabic* 0535-0555, 11800, 15330 & 17795; 1330-1345 and 1430-1445 on 6060 & 9515; 1750-1810 7235 & 9710; 1910-1930 9710, 11800 & 15340; 2025-2045, 7275 & 9710 kHz. *Bulgarian* 1540-1600 on 7235 & 9710; *Czech* 1815-1830 7290 & 9710; 2135-2155 7275 & 9575; *Danish* TuThSa 2000-2020 on 7275, 9710 & 11800; *Esperanto* 2000-2020 Sun on 7275, 9710 & 11800; *Greek* at 1520-1540 on 7235 & 9710; *Hungarian* at 1935-1955 on 7235 & 9575; *Lithuanian* at 0445-0505 on 7275 & 9675; *Maltese* has been replaced by Italian because of the illness of the Maltese announcer; *Polish* 1845-1905 on 7290 & 9710; 2210-2225 on 7275 and 9675; *Romanian* at 0510-0530 on 7275 & 9575; 2135-2155 on 5990, 7235 & 9710; *Russian* 0330-0345 on 7275, 9575, 9710, 11905 & 15330; 0535-0555 on 7275 & 9575; 1600-1625 on 7235 and 9710. *Serbo-Croat* 1500-1530 on 5990, 7290 & 9575; 1910-1930 on 7275 & 9575. *Slovak* at 1830-1845 on 7290 & 9710; 2155-2210 on 7275 and 9575 kHz. *Slovenian* 1520-1535 on 5990, 7290, & 9575; *Somali* 0515-0530 on 15330, 17795 and 21560; 1640-1655 on 15385, 17780 & 21690; *Swedish* 2000-2030 MWF on 7275, 9710

& 11800; Turkish 1500-1520 on 7235 and 9710; Ukrainian, 0350-0410 on 7275 & 9575 kHz. (RAI summer sked via Mike Fern--CA)

What appeared to be a test transmission first noted 4/16 when a 10 minute recording of Italian pop music was repeated continuously 0900-1150 on 15485 kHz. A relay of the RAI *Radio Uno* domestic svc in Italian was noted on 15485 kHz from tune in at 0800 to 1700 on 4/21 & 22; // 657, 990, 1062, 1575, 6060 and 9515 kHz. (WBI 4/24) *Radio Uno*, the first network of *Radio Audizioni Italiana*, is using a high-powered xmt on 15485 kHz from *0800-1700 and on 9825 kHz after 1700. There has been no promo and no announcements. (Richard Measham, BBCM, on RNMN 4/30)

Ehardt Goddyn of RNMN's Frequency Bureau is hearing the *Voice of Europe*, Pordenone, testing on 13665 kHz around 1200. VoE also has been heard around 0230 with a test transmission for Asia. (RNMN 4/16) VoE heard in Japan 1600-1700 4/18 on 13666 kHz. Signals were weak but there was no QRM. (Nobuaki Takahashi on RJMR 4/26)

R. Europa International, Brescia, 9420 kHz, heard in Bulgaria around 0430. [WRTH 92 says 24H--mf] *TeleRadio Estereo*, Roma, 6012 kHz, recently reactivated, heard at 0700 with Italian and EE music, commercials, etc. [WRTH 92 says the MW outlet is on 1503 kHz, so this could be a fourth harmonic.--mf] (Ivan Cholikov, Bulgaria, on DXPL 4/25)

RAI, Rome, in EE 2200-2225 on new 15330 // 9710 and 11800 kHz. (AC on RNZI 4/16)

AWR Forli has EE 0600-0700 on 7205 & 0900-1000 on 7230. (AWR Eur/via AC/RNZI 4/26)

JAPAN - *Radio Japan* announced the following frequency changes effective 5/3: At 0300 and 0500, 15230 replaces 11870 kHz; at 0700, 15170 replaces 15250 kHz. (RJMR 4/26) [The announcement was just about that short and that vague.--mf]

R. Tampa, Tokyo, has a DX program called *World Network*, presumably in JJ, at 1200-1230 Sat. It's not known whether this is on the First Network (3925/6055/9595 kHz) or Second Network (3945/6115/9760 kHz). *R. Tampa* has a few EE programs but the sked is not known. (DXPL 4/25)

KAZAKHSTAN - *R. Alma Ata*, 4800 kHz, heard in Germany at 1810 with Kazakh and RR IDs // 11950 kHz; 1959* with anthem. Heard in USA with EE on 5035, 5260, and 5960 kHz from 2130-2200*; address as in WRTH; reception reports were solicited and QSLs were promised. (Mitch Sams, USA, and Roland Schultz, Germany, on DXPL 5/2) New 4800 noted fading in around 1815, to 2000*. Also heard around 0130. (Anker Pedersen, via "Contact", via SCDX 2/55)

R. Alma Ata well heard in W.Eur in EE at 2030 on 3955 & 5035 kHz. (Marcel Roberts, Holland, on RNMN 5/7) Wrong time shown in May LN; should be 1831 and 2031, not 1831-2031 since 4/4. Also heard on 13620 in English *1800-2100* (Ernie Behr)

KUWAIT - *R. Kuwait* on new 21675 *1315-1745* AA, vy strong 4/17 w/500 kw; also on 13620 in EE *1800-2100*. (Ernie Behr) *R. Kuwait* has confirmed that two 500 kw SW xmters are operating. They are gradually restoring the sked they had before the Gulf War. (Andy Sennitt on RNMN 4/16)

KYRGYZSTAN - *Kyrgyz Radio's First Program* operates on 4040 kHz at 2300-1800. There's a newscast at 2304-2320 which includes some English, as well as Kyrgyz and Russian. The *Second Program* is on 4050 kHz at 2300-1900. (WBI 5/1)

LAOS - Vientiane on 6130 kHz, the most reliable signal from Laos for many years, suddenly went silent about 4/8. It used to be heard very well from 0900-1600 signoff. Transmitter trouble is suspected. (VG on RNMN 4/22) Vientiane Home Service on 6130 kHz returned to the air for two days after a 18-day silent period. (VG on RNMN 4/30)

LATVIA - *WWCR2*, Nashville, which carries the Gene Scott marathon, has moved from 5935 to 5920 kHz to avoid teletype QRM. It hasn't helped. But it has cleared the channel of Radio Riga on 5935 kHz, listed in WRTH 92 from 0400-2300. (Mike Fern--CA)

LITHUANIA - *Radio Vilnius* sked from 5/3: to Europe 2100-2130 in Lithuanian, 2130-2200 in English on 9675 & 9710. To America at 2300-2330 in English on 9710, 10344u, 11780, 13645, 15580; 0100-0130 in Lithuanian on 9710, 10344u, 11860, 13645, 15485. (WBI 5/15)

The Moldova relay on 11860 has been dropped; current relays seem to be in Russia. [15580 seems to be in the Russian Far East; 17605 and 17690 may have been dropped.--mf] Lithuanian for Europe is at 2200 on 666, 1557, 9675 & 9710 kHz.

Julius Herrmanns of the Netherlands visited Lithuania in late April or early May. *R. Vilnius* is located in an old broadcast building near a huge park on the west side of the city. Edvinas Butkus, editor in chief, told Herrmanns that 1991's bill for renting Russian SW xmters was 300,000 rubles; this year it will be over two million rubles. The average monthly pay in Lithuania is about 2200 rubles. [The Russian ruble is not freely traded in the west but circulates at par in Lithuania; the Bank of

Lithuania has been controlling the exchange rate between 90-140 rubles per US dollar.--mf] However, when R. Centras puts on its end-of-the month SW broadcast, the staff drives out to Sitkunai with its tapes and pays 35 rubles (about 40 US cents) for one hour of xmt time. R. Centras is backed by a major Vilnius newspaper and has studios on the 18th floor of the Press House. R. Vilnius received a record two hundred letters from overseas in February. The mail appears evenly balanced between program listeners and DXers. The external service has a staff of about 20, about half in the English department, graduates of Vilnius University, and half in the Lithuanian department, mostly journalists.

Some of the studios damaged during the Soviet occupation have not been repaired. When the Soviets left in August they emptied all the fire extinguishers.

Julius Herrmanns was driven to the Sitkunai site by the husband of one of the English announcers. The barricades used to keep the Soviet troops from reaching the station in the 1991 putsch were only then being removed. Thousands of local residents had blocked the roads with their bodies in the winter when the Soviets tried to reach the xmt site.

The Sitkunai xmt site houses a 500 kw xmt on 666 kHz and a 50 kw SW xmt on 9710 kHz. The equipment is quite old and some of it was made by Radio Lithuania staff. Sitkunai has one studio, equipped in the late 1930's in anticipation of WW II. The original equipment was still in place and was used for the first time 1/13/91 when Soviet troops occupied the Vilnius studios. When Herrmanns and his driver turned up they were mistaken for an inspection team from Vilnius and the whole staff turned out to meet them.

He found only two types of SW receivers in a store in Vilnius. One was cheap and had the East European FM band and only the 31m b/c band. A larger set made in Latvia had LW, MW, 88-108 MHz, FM, and SW. Lithuanians still listen a lot to BBC and R. Free Europe, but not as much as formerly, because Lithuanian radio is now free and carries both RFE and the VOA. (RNMN 5/21)

LUXEMBOURG - R. Luxembourg; frequency in May LN should, of course, be 15350. (Ernie Behr) [Yeah, I mistyped it; and, of course, 153350 kHz would not be shortwave, regardless of the pontifications of some frequenters of some computer networks. df] Puts solid signals into New Zealand 0100-0500. (AC on RNZI 4/26)

MADAGASCAR - R. Netherlands; wrong freq & time shown in May LN; actually heard on 9860 from 0130 in EE w/weak signal 5/7; first release of Media Network is at 0150 GMT. (Ernie Behr)

MOZAMBIQUE - (Clandestine) Voice of Renamo announced 0500 4/15 that a program dedicated to the Mozambique National Resistance Armed Forces would be broadcast 1045-1145 on 9860 kHz. Monitoring research has failed to locate the transmission. (WBI 4/24)

NAMIBIA - Namibian B/C Corp's current sked shows two 49m freqs replacing the 41m freqs listed in WRTH 92. The National Service in GG & Afrikaans runs 0600-1600 on 6175, and 1600-0600 on 3270 kHz. The National Service in ethnic languages uses 0600 kHz at 0800-1600 & 3270 kHz at 1600-2000. [sic; WRTH 92 said Afrikaans, GG and vernaculars on 3290 and EE only on 3270. So has EE been dropped?--mf] (NBC via John ?Newenhurst, Holland, and Andy Sennitt on RNMN 5/14)

NETHERLANDS ANTILLES - Chuck Roswell announced 4/11 that he is changing the format of TWR Bonaire's Bonaire Wavelength (0330 Sun UTC on 9535 and 11930 kHz) to include DX tips. He wants news to be timely when it reaches him. He asks that letters be airmailed or that information be faxed to Trans-World Radio Bonaire at 011 (569) 7-8808. (Mike Fern--CA)

NEW ZEALAND - Print Disabled Radio has an experimental license for ZL2XAL on 7295 kHz with 250 w starting 4/19. The sked is Su-Th 2200-0600 Mo-Fr. After 0600 3935 kHz will be used. Both transmissions are on 2XA, 1602 MW. Reports to Box 360, Levin, NZ. Return postage will be appreciated. (AC on RNZI 4/12) [Or 7290? See May LN. df] Dave Clark points out in DX Ontario that mid-month sunset in May, June & July is around 0500, so this may be possible in eastern NA from then till 0600*. (Kevin Forsythe on DXPL / Dave Clark, via DXO) This was to begin test xmsns on 7290 kHz on 5/15 at 2200-0600 5/16; return postage is necessary. (AC on RNZI 5/14)

With the same sunset timing in mind, another great DX catch would be NZL's only SW pirate, Kiwi Radio, on 5850 in AM, w/between 50 and 1200 watts. It's annncd plans to be on the air on 6/1 from 0600. Another intended b/c date is 10/24, but by that time, local sunset would not be until around 0700. Other b/c may occur "depending on circumstances at any particular time". Apparently it was to have been on 4/18 but I'm not aware of any reception, at least in NA. (Dave Clark in DXO)

The special RNZI transmission for Asia (see May LN) is scheduled 1100-1200 on 9700 kHz. (Tony King on RNZI 5/14)

NORTHERN MARIANAS - The spring sked of KFBS, Saipan, (languages scheduled daily only) is: Burmese 1430-1530 on 9670; Vietnamese 1300-1430 on 9670, 2300-2400 on 15320; Bugis

to INS 0930-1000 on 15380; Indonesian 1100-1230 on 15380, 2200-2300 on 15320; Javanese to INS 1030-1100 on 15380; Malay 1230-1300 on 15380; Sundanese to INS 1000-1030 on 15380; Mandarin to CHN 1115-1500 on 9475; Mongolian to CHN 1145-1200 on 11705; Uighur to NW China 1500-1515 on 9495; RR to Central CIS 1100-1400 on 11650, 1400-1830 on 9465; RR to Eastern CIS 0900-1100 on 11650; RR to Southern CIS 1145-1200 on 11705, 1200-1445 on 11665; Hausa to Nigeria 1900-1930 on 9475; Yoruba to Nigeria 1930-2000 on 9475. Other langs not daily are GG for Russia, Kazakh, Kirghiz, Polish, Romanian and Ukrainian. (FEBC via Mike Fern--CA)

PALAU - *KHBN*, Palau, on 9830, hrd 4/27 in Chinese 1200-1300 f/o; stronger 5/3 in SEA lang till 1500 f/o, using 5 kw. Address: Voice of Hope, P. O. Box 56, Koror, Rep. of Palau 96920. (Ernie Behr) Noted 5/6 at 1100 in mostly rel. mx & Chinese talks; 1159 have address as P. O. Box 626, Koror, Palau 96940. Also ID as "*Voice of Hope for all of Asia*". (Ron Howard, Carmel, CA) Gordon Darling advises by FAX that he has monitored the other channel, 11980, in English between 2230 and 0300, as on April 26/27. The announced address is: P.O. Box 66, Koror, Palau 96940. (Dave Clark/ODXA) [Hmm, all agree the address is Koror. df] John Tayloe of High Adventure Ministries tells me the 100 kw xmtr will be on the air about 5/20. The beam heading is 320 degrees. Serious QRM from the Russian Far East on 11980 kHz is not expected. (Mike Fern--CA)

PAPUA NEW GUINEA - *Radio Gulf*, 3245 kHz, is off the air. The studio building has been condemned as "unfit for human habitation". *NBC*, 3925 kHz, is also off the air; return date is unknown. The *NBC* is flat broke. (Gordon Darling, via NU)

PERU - *Radio Chota* - In spite of recent reports that this had moved to 4886.4, heard 5/5 on 4890.35 with huaynos & a fast talking male announcer. Quick ID & echo anmt at 0200. Slower announcer & program of Spanish vocals after 0200 with another, slower ID at 0211. (Hans Johnson) *Radio Union* on new 4300 kHz at 1213 (Onda Corta via DXSF, via Hans Johnson) *R. Atlantida*, Iquitos, 4790 kHz, heard at 0957 with program called "*Asi Canta el Peru*" (this is how Peru sings), frequent commercials. (Fernando Vilorio, Venezuela, on DXPL 4/18) *R. Hunca Dos Mil*, Huanca, 4752 kHz, putting fair sigs into Quito at 0003 with station jingles and "Happy Birthday" in EE followed by birthday greetings. (RMV/QLB/DXPL 5/2) *R. Horizonte*, Chachapuya, has moved to new 4509 kHz where it's heard around 1000. (Manuel Rodriguez Lansa, Venezuela, on RNMN 5/14)

PHILIPPINES - The spring sked of *FEBC Manila* (languages scheduled daily only) is as follows: Aceh to Sumatra 1030-1100 on 9540; Burmese 2330-0115 on 15460, 1230-1400 on 15100; Jingpo to Burma 1330-1345 on 9660; Karen-Sgaw to Burma 1145-1200 on 15100; Lahu to BRM/THA 2315-2330 on 11650; Lisu to BRM/CHN 1215-1230 on 15100; Rawang to Burma 1200-1215 on 15100. Amoy to China 1000-1045, Swatow to China, 1045-1130 on 9820; Mandarin to CHN 0300-0500 on 15095, 0500-0900 on 12020; 0900-1200 on 9850, 1200-1600 on 9850, 1400-1600 on 9820, 2200-2400 on 9815. Shan Chinese to SW China 2345-2400 on 15515; 1330-1400 on 9820; Cantonese to S. China 1130-1330 on 9820. English to BRM/IND 0000-0200 on 15450, 1300-1600 on 11995; English to China/PNG 0900-1100 on 11690; English to India 0900-1100 on 9800.

Indonesian 0900-1000 on 11995, 2230-2325 on 9780; Javanese to INS 0830-0900 on 11995; Khmer to Cambodia 1200-1300 on 11690, 2230-2315 on 9495. Malay 1030-1100 on 11995; Minangkabau to SW INS 1000-1030 on 11995; Hmong to Laos/N.Thailand 1100-1130 on 11690, 2300-2330 on 9875. Lao to Laos/NE Thailand 1130-1200 on 11690, 2230-2300 on 9675. RR to Central CIS 1600-1830 on 9845; Shan to Burma 0000-0030 on 15515; Vietnamese 1200-1330 on 9660; Wa to China/Thailand 2330-2345 on 11650. 30+ other languages. (FEBC via Mike Fern--CA)

PORTUGAL - *R. Renascenca*, Lisbon, 6100 kHz, heard in NZ at 0600-0700* on 6100 kHz. *R. Portugal International* heard in NZ at 0955 on 17740 kHz with a multi-language broadcast; sign off and anthem after clock chimes at 1000. (AC on RNZI 4/26)

RUSSIA - *Radio Ala* sked is: 0000-0200 on 3995, 5040, 6015, 7315, 7370, 11925, 15255; 0200-0500 on 3995, 5040, 6015, 7370, 11685, 11925, 15255; 0500-1400 on 3995, 7400, 11685, 11925, 11965, 12030; 1400-1600 on 3995, 5040, 6015, 6025, 7370, 7380, 7400; 1600-2000 on 3995, 5040, 6015, 7370; 2000-2400 on 3995, 5040, 6015, 6025, 7315, 7370. 12030 & 15255 are Yekaterinburg. (WBI 5/1) Address is P.O. Box 159, Moscow 125 047, Russia. (VRDXC via WBI 4/24)

Radio Alef noted 4/3 on 7130 & 12075 kHz, in Russian from 1600-1630. Before that, the two channels had been carrying Radio Moscow in Arabic. *Radio Alef* stated it was a program prepared by "Radio Moscow and the Jewish Children's Association (?Banim Banot)". Announced it would be on the air Tuesdays, Thursdays, Sundays at 1600. "In Moscow and Moscow oblast we can be heard on 16 and 205 meters, and in Israel on 41 and 256 meters." The program 4/23 included a news bulletin, a talk by a rabbi from Israel on the meaning of the Sabbath, and a program for children.

Also carried advertising for a Tel-Aviv bank. At 1630-1700 the two frequencies carried a program of pop music introduced in Arabic, and ID'd as "Radio Moscow", but the frequencies were not // other Radio Moscow frequencies that had been carrying Arabic since 1600. (WBI 5/1)

Echo of Moscow is on MW/FM only, not SW. (DX Moscow via DXSF via Hans Johnson)

The Orthodox station *Radonezh* has begun to use SW freqs. 11675 kHz at 1130-1330 for Siberia, and 9450 kHz at 1500-1700 for western C.I.S. (*Voice of Russia* "DX Club", via WBI 4/24)

The independent station *Radio N* has been on 6200 kHz since 4/1, from Yekaterinburg. Operates 0400-0900 Tue-Sat. The Dvizheniye [Traffic] program goes on the airwaves of *Radio N* 0500-0600. (Viktor Kozhevnikov, Yekaterinburg, via *Voice of Russia* DX Club, via WBI 4/24)

R. Space, formerly on 11945 kHz, has moved to new 12075, where BBCM has traced it at 1400-1445. It broadcasts in RR, but its name and some of the program titles, are given in EE. The mailing address is: 125015 Moscow, Ulitsa Butir'skaya, House No. 23, Radio Space. The upside-down (to us) address is SOP in Russia. (Andy Sennitt on RNMN 4/16)

Radio Tikhii Okean (Radio Pacific Ocean) sked is 0815-0900 on 7320, 9820, 15535, 17620, 17825, 17850, 17895 kHz. (DX Moscow via DXSF via Hans Johnson)

Radio Moscow World Service in Russian began using its new name, *Voice of Russia (Golos Rossii)* on 3/29. No major changes have been made in the programming. The World Service in Russian has been transferred from Ostankino to the All-Russian State TV and Radio Broadcasting Co. The *Voice of Russia* is now run by the Russian Federation, not CIS. (It uses the Ruslan and Ludmila Overture as a musical ID.--mf) *R. Moscow World Service* in EE is still aired as part of *Radio Moscow*, which is run by Ostankino. (Yoshinori Kato and Hiroaki Nakada, RJMR 4/12).

A Japanese Christian church sponsors its own religious b/cs in JJ via two Russian xmtrs, sites not given. Arrangements were made when the church's founder visited the USSR in March. The name of the service is "Evangelion Tes Basilenias Hour" or "Good Tidings of the King Hour", wholly in JJ and devoted to religious topics. It is produced in Japan and transmitted by Radio Moscow xmtrs from 1300-1400 on 15315 kHz and from 1400-1500 on 720 kHz MW. (Tooru Yamashita and Tetsuya Kondo, ABI, on RJMR 4/12) [Evangelion ... may sound like JJ to you but it's Greek to me.--mf]

Radio Galaxy on new 9880 kHz *1900-2159* w/EE IDs & pop mx, vy strong 4/17. Wrong time shown in May LN, should have read *2000, not *0200. (Ernie Behr) At 2000 there were EE ID's, commercials for medical equipment, and an invitation to phone their international relations department every Wednesday at Moscow 211-5475 between 1800-2100. *R. Galaxy's* address is P.O. Box 7, Moscow 117418. (Marcel Roberts, Arnhem, Holland, on RNMN 4/23)

FEBC Russia, 9560 *0755 test tones, 0800 orch mx, IDs in RR, JJ(?) & EE ("You are tuned to the FEBC Russia, Far East Christian Broadcasting, coming to you from Khabarovsk."), gave freqs & address, but unable to make out much. 0830 rel talk in RR & EE, 0855 R. Australia s/on. Weak at s/on, but fair here by 0830, 4/17. (Ron Howard) This changed sked in early April. Since mid-April it has used only 1224 MW and 9560 kHz, at 0800-1000. 5965 kHz at Komsomolsk, and 4060 kHz, its SSB feeder, are no longer used. Opening anmts at 0800 are in RR, EE, and JJ. KK programs were temporarily suspended because of a lack of program material from FEBC Korea, but were to resume a one-hour daily KK b/c about 4/21, when FEBC Korea staff hand-delivered a new supply of programs. (Tooru Yamashita, Yoshinori Kato and Shigenori Aoki on RJMR 4/19). Now heard in New Zealand on 9560 at 0900-1030. Now has very different programming. EE not every day. Has conversations on Sat. Sun 0930 Bible lessons in EE & CC. (AC on RNMN 5/14)

R. Pamyat back on 12030, ex 12040, since 4/17, *1330-1459* in RR rel pgm, weak audio. (Ernie Behr) The *Radio Pamyat* xmtr for the Moscow area moved from 12060 to 11665 kHz at 1500-1800. (Yoshinori Kato on RJMR 4/26) A sked included with a QSL to Nobuaki Takahashi shows: 2200-2330 on 6145 kHz, 50 kw; 1330-1500, frequency not given; 1500-1800 on 11650, 20 kw. 7230 was replaced by 12030 from 2/29 - 3/28. The 200 kw xmtr on these freqs was in Yekaterinburg. The antenna was beamed to Western Europe. The sked moved ahead one hour 3/29 because of Russian double summer time. Telephone 7 (095) 237-39-71. (RJMR 4/19)

Magadan Radio heard 5/9 on 5940, 7320, 9530 & 9600, from 1900 in RR, 1930 Magadan weather; all very strong. Quite unusual in May, especially 5940. (Ernie Behr)

AWR - Russia - Long ltr rcvd from Roger Graves, volunteer worker from CA at AWR-Forli, in 6 wks. Says Novosibirsk "is little more than a hooked up antenna," and that although AWR is now benefitting from low broadcast rates in Russia, they know that prices may eventually become unreasonably high and political problems may develop. Suggests they will have a site QSL of some kind for RR xmsns, but for now sent usual full data AWR 20th Anniv. card with "Novosibirsk" site written in. Most important, they said that effective 5/3 they would be using three more RR sites, all 200 kw, as follows: Kuybishev, 15125 kHz, 1600-1630 EE, 1630-1700 Swedish, 1700-1800 Russian; Ekaterinburg, 7310 kHz, 1800-1900 Russian, 1900-1930 German, 1930-2000 Polish; Moscow, 9775 kHz, 1400-1500 Italian, 1500-1530 Romanian, 1530-1600 Slovenian (Sun), Croatian (Mon-Wed), Serbian (Thu-Sat). I tried all three on 5/3, no luck on 9775 or 7310 but I hrd Kuybishev-15125 with heavy co-channel QRM. Tone run up at 1552, multi-lingual ID 1600, into EG rel pgm. ID 1630, into what I guess was Swedish. In RR at 1730, by which time the fqy had cleared up some. (Berg.)

Received a nice QSL from "AWR - Russia" via the AWR - Europe address of: Adventist World Radio - Europe, C. P. 383, I - 47100 Forli, ITALY. The letter from Lina Lega, Secretary, says they do not have QSL cards for the stations yet, but are getting them printed soon. Says correspondence for Novosibirsk station should go through Forli. A QSL, report form and sked for Novosibirsk were enclosed. The sked reads 0100 EE, 0200 Hindi, 0300 Marati, 0400 Malayan, 0600 RR, 0700 EE, 1100 Mandarin, 1200 Burmese, 1300 EE, 1400 Hindi, 1500 Marati, 1600 Malayan, all on 11855. Also 1800 RR, 2300 Mandarin and 0000 Burmese, all on 9835 kHz. Each transmission lasts for one hour. There's an EE ID between program blocks. (Richard D'Angelo, PA) Heard on 11855 at 1350 w/EE *Voice of Prophecy* pgm w/Hong Kong addr. 1400 multi-lang IDs. Ancd Hindi svc, into sub-continental music; QRM RCI till 1400. Tnx Jerry Berg for this one! (Ron Howard) *AWR Russia*, Novosibirsk, is being heard with good signals in NZ from 1300-1400 on 11855 kHz and at 1900-2000 on 9835 kHz. (AC on RNZI 4/26)

The current sked of *Radio Rezonans* is 0300-0500, 1100-1200 and 1800-2000, all on 12075 kHz. The address is 127427 Moscow, ul Koroleva 19. Telephone: Moscow 215-6456 or 217-9454. Fax: Moscow 215-0174. (WBI 5/1) Heard in Japan from *1800 // 684 and 1395 MW. (Yoshinori Kato, RJMR 5/17)

Kabardino-Balkar Radio, Nalchik, transmits Sunday at 1730-1800 to the Middle East in Kabardin on 7305 or alternate frequencies of 7130 or 5905 kHz. (WBI 5/15) Same frequency & time for the Friday broadcast of *Adygey Radio*, Maykop, in Adygey, also to the Middle East. (WBI 5/15)

Radiotrek (one word), Yekaterinburg, 6910 kHz. is being heard in Scandinavia from 1600-1800. BBCM says it is the first private station in Yekaterinburg and carries music and ads. Its address is: Radiotrek, P.O. Box 932, Yekaterinburg 620 063. (Andy Sennitt on RNMN 5/14)

R.Buryat, Ulan Ude, is scheduled from 2158-2000 on 279 MW and 4860 SW. Local programs in Buryat and Russian are aired from 2158-2200 [sic, probably a program summary], 2210-2300, 1120-1200 and Sat only 0400-0500. (Feodor Brezhnikov, Irkutsk, USSR, on DXPL 5/16)

R. Vedo, Volgograd, is on a new sked, established by monitoring in April as 1400-1800 Mon-Fri on 1161 MW, 9655, 11760 and 13710 kHz. Programs mainly in RR, with occasional EE and GG. A 41m xmtr is mentioned but not heard in Japan. Weekend skeds have not been confirmed. (Yoshinori Kato on RJMR 5/17)

SEYCHELLES - The spring sked of *FEBA Seychelles* (languages aired 7 days only) is as follows: Modern Arabic to Arabia/Sudan 0345-0430 on 15325, 1100-1145 on 15125, 1903-1948 on 11840. Afar to Ethiopia 1130-1200 on 15350; Amharic to Ethiopia 1730-1800 on 11860; Oromo to Ethiopia 1700-1730 on 11860; Tigrinya to Ethiopia 1800-1830 on 11860. French to Indian Ocean 0915-0930 on 15430; Malagasy 1628-1658 on 11930, Portuguese to Mozambique 1830-1900 on 9610; Somali 1700-1730 on 9770; Swahili to E.Africa 0315-0400 and 1613-1643 on 11820. Yao to Malawi, Tanzania & Mozambique s1733-1748 on 11715. Bengali to Bangladesh 0000-0030 on 7270; EE to SAs 1500-1555 on 11860; Hindi to N.India 0030-0100 on 7270, 1414-1458 on 11860; Malayalam to S.India 1315-1330 on 11845; Nepali 1230-1245 on 15445; Tamil to India 0030-0100 on 9620; Telugu to India 0000-0030 on 9620, 0100-0130 on 7270. Tibetan 1215-1230 on 15445; Urdu to Pakistan and India 0130-0155 on 9670, 0158-0213 on 9770. Farsi to Iran 0300-0330 on 15200; 1800-1830 on 15120. Turkish 0515-0530 on 17760 kHz.

Other languages are Bhojpuri, Chhattisgari, Kannada, Konkani, Mondari, Panjabi, Sindhi, Tulu and Varhadi-Nagpuri to India, Dari to Afghanistan, Sinhala to Sri Lanka, French to Zaire, and Borana to Ethiopia. (FEBC via Mike Fern-CA)

FEBA now has two separate EE programs for SAs: a religious broadcast at 1500-1540 on 11690 kHz. A second pgm called "Network", w/news and current affairs, airs Mon thru Sat on 9810 & 15330 at 1500-1800. *FEBA's* media program is now on Tues at 1545. (Pinto Dahwan, Universal DX League, Ludhiana, India, on RNMN 5/21)

SOUTH AFRICA - For *Z92 Radio RSA* is sked: 0200-0300 EE on 7270; 0300-0400 EE on 5960, 7270; 0300-0400 FF on 7210, 7230, 11860; 0400-0500 EE on 5960, 9695; 0400-0500 FF on 7230, 11860; 0400-0500 PP on 4945; 0500-0600 EE on 9695; 0500-0600 on 7230, 11860, 15365; 0500-0600 PP on 11920; 0600-0700 EE on 15220; 0600-0700 FF on 15365; 0900-1000 Sa/Su Tsonga on 9585; 1000-1100 EE on 11900; 1100-1130 Mo-Fr PP on 9650; 1100-1200 EE on 11900; 1130-1200 PP on 11790; 1400-1700 Swahili on 11900; 1500-1800 Chichewa & Lozi on 5960; 1600-1800 EE on 9565, 11885; 1800-2000 FF on 11950, 15440; 1900-2000 PP on 4965; 2000-2100 PP on 9550. (WBI 5/15)

Heard in Japan in PP 2058-2155 on 11950 fair. Also in FF 0500-0654 on 15220 thru QRM. (Nobuaki Takahashi on RJMR 5/17) [Somewhat different from above. df]

SPAIN - *R. Exterior de Espana* in SS was heard on 9955.8 kHz 4/19. At signoff it announced that it can also be heard on a subcarrier of TV Espanola Internacional in Europe and North Africa. (Marcel Roberts, Holland, on RNMN 5/7)

SRI LANKA - *SLBC* in EE to NA on 15425 kHz heard with good signals at 2330-2400 Mon only. Also on 9720 kHz with EE for Asia at 1415-1600. (Ken Lowe, Santa Barbara, CA on DXPL 4/18)

UKRAINE - The frequency of 4940 kHz is used to relay the third program of *Ukrainian Radio* called *Radio (?Muz)* and is the National Revival channel. The second program, which used to be called *Promin*, broadcasts mainly music and youth programs, and its new shortwave frequency [among many others] is 15495 kHz. The former *Radio Kiev* is now *Radio Ukraine World Service*. It transmits to Europe in Ukrainian on 11690, 11960, 7240, 7340, 15525, 17680 kHz. In North America, *RUWS* can be heard on 15195 & 17690 kHz at 0200-0730. From 1600-1800 it's on 7240, 7340, 11960, 21720 kHz. At 1600-1700 on 15525 & 17680 kHz. Address is *RUWS, Kiev, Ukraine. (DX Club, Voice of Russia, via WBI 5/1)*

URUGUAY - *R. El Espectador*, 11835.7v, has new late sked; 0440 new SS religious pgm past 0600; hrd 5/9 & 11, but not daily. (Ernie Behr)

USA - *Radio Miami International* info sheet & px sked dated May 1992 provide the following: RMI has purchased the 50 kw watt xmt of *Radio Clarin*. The xmt's now in Miami undergoing improvements and modifications. Will broadcast primarily to LA. Call to be *WRMI*. Expected to be on the air third quarter of 1992 but no definite date has been set as yet. "At this time, RMI personnel are working on all of the technical, legal, logistical and other aspects of the station construction. Kintronics Labs in Tennessee is doing the final design work on our corner reflector antenna. RMI Chief Engineer Kiko Espinosa is doing the transmitter modifications and improvements, and is designing the building to house the transmitter."

The following schedule for current programs over facilities of other stations is given:

Over *WHRI, Radio 16 Decembre (Creole to Haiti)* at 1100-1300 Su on 9850; 2100-2300 Mo-Fr on 17830. Over *WRNO* on 7355 kHz at 2300-0000 Mo-Fr *Esperanza (Municipos de Cuba)*; 0000-0030 Tu-Sa *Radio Conciencia (Comision Nacional Cubana)*; 0030-0045 Tu-Su *Radio General Ochoa (Partido Independentista Cubano)*; 0045-0100 Tu-Sa *Musica, Buzon de Oyentes, DX, etc.*; 0100-0200 Tu-Sa *Rumbo a la Libertad (Brigada 2506)*; 0200-0300 Tu-Sa *La Voz de Alpha 66 (Alpha 66)*; 0300-0330 Tu-Sa *La Voz del 30 de Noviembre*; 2300-2330 Sa *La Voz de Medicos Cubanos Libres*; 2330-0000 Sa *Forum Revolucionario Democratica Cubano*; 2300-0000 Su *Tribuna Libre (Alianza Cubano)*; 0000-0030 Mo *Radio Voluntad Democratica (Partido Rev. Cunano Autentico)*; 0030-0100 Mo *Pueblo Libre (Junta Patriotica Cubano)*; 0100-0200 Mo *Radio Periodico Panamericano*; 0200-0300 Mo *Un Solo Pueblo (Coordinadora Social Democrata)*. Over *WRNO* on 15420 kHz at 2230-2300 Su *Movimiento de Recuperacion Revol.* Address is *Radio Miami International, 8500 S.W. 8 Street, Suite 252, Miami, FL 33144. Telephone Number: 305-267-1728. (Richard D'Angelo)*

WRMI, Radio Miami International, has been assigned 9955 kHz for test transmissions which should begin between 7/1 and 9/30. (Jeff White and Andy Sennitt on RNMN 5/21)

The spring sked of *KGET* is: SS 0315-1400 on 9615 kHz; SS 2200-0315 (except EE 2200-2230 Sun only) on 15280 kHz; GG 0205-0220 Mon only. (FEBC via Mike Fern--CA)

Adam Lock, *WWCR* Program Director, gave me addresses for these services, some no longer on the air. Perhaps one could still receive QSLs from these addresses: *Radio Khalistan, Jagjit Boparai, World Sikh News, Inc., 7720 Lorraine Ave., Suite 107, Stockton, CA 95376. Voice of Kosova, Besim Malota, 287 Paliside, Q.F., Yonkers, NY 10703. The Voice of the Young Albanians in Exile, Paul Marnachi, 957 McLean Ave., Suite 201, Yonkers, NY 10704. (Hans Johnson)*

VOA started broadcasting 15 min daily in Kurdish in April, from 0300-0315 on 1260 MW, 5965, 7105, and 9540 kHz. Tetsuya Kondo of the Asian BC Institute learned about the new transmission when he accessed the *VOA's* computerized information service. *VOA* now broadcasts in 46 languages. (RJMR 5/3). After jamming began, 11830 kHz was added. Only the Kurdish is jammed; AA before and after is not jammed. *VOA* thinks the bubble jammer originates in Iraq but no detailed checks have been made. The impact of the *VOA* transmission inside Iraqi Kurdistan has been spectacular. Despite the early hour (0600 local), everybody gets up straight after prayers, the news gets passed around. The Kurds regard it as a recognition of their national aspirations. (Bill Whitacre, *VOA*, and RN correspondent Hedy Leberdink, on RNMN 5/7)

VIETNAM - *Radio and TV Gia Lai*, Pleiku, 4787, heard in Japan 3/23 at 1030-1100 in VV and 1130-1200 in vernaculars. It was set up in *Gia Lai* province after the former province of *Da Lai-Kong Tum* was split in 8/91. It replaces *R. Gai Da Lai-Kong Tum*. (Isao Ugusa on RJMR 4/12) Thirty-two of Viet Nam's 51 provinces have active B/C stns; more than 20 operate on SW. Most are low-powered and in the northern part of the country. Only seven have been heard in Japan in 1992. They are *R. Cao Bang*, 6477 and 6490 kHz; *R. Bac Tai*, the strongest of any provincial station, on 6525 kHz; *R. Lao Cai*, voice of the new *Lao Cai* province, on 5660 kHz; *R. Yen Bai* on 6462 kHz, in the other part of former *Hoan Lien Song* province; *R. Lai Chau*, near the Laos border, a regular

in Japan, on 6430 kHz; *R Son La*, the oldest local b/c station in Vietnam, dating from 1967, on 4665 and 6343 kHz; *Radio and TV Gia Lai*, on 4787 kHz. (Isao Ugusa on RJMR 4/19)

YUGOSLAVIA - *R. Yugoslavia* has EE 1130-1200 on 17710 kHz to SE Asia, on 17740 kHz to NA, and on 21610 kHz to Australia. But the best signal is 17740 kHz. (AC on RNZI 4/27)

The UN has short xmsns on a Belgrade xmtr in EE and Serbian by the UN peacekeeping force. As of 5/19 a five-minute UN segment also started on R. Yugoslavia's ext. svc at *1853-1858* on 6100 (to Eur) & 15140 (to so.Africa). No other Belgrade svcs carry this program. (JM/RNMN 5/21)

CLANDESTINE - TAIWAN - The *Voice of Taiwan* is still being heard in Japan irregularly between *1200-1600* on 9910 or 9990 kHz. (Tetsuya Kondo, ABI, on RNMN 4/16)

The *Voice of Democracy* on 8057 kHz has not been heard since 9/91. Its sked was very irregular and linked to Chinese holidays. It used the same military xmtr site as *New Star Broadcasting Station*, a Chinese language numbers station. (Tetsuya Kondo, ABI, on RNMN 4/16)

The *Voice of China* (*Chung Kuo chi yin kuang po tien tai*) is still on the air on 15280 kHz from 2100-2130 and 2130-2200. It is owned by another pro-democracy group of Chinese students in the U.S., The Foundation for China in the 21st Century, based in Walnut Creek, CA. The sponsors have kept the sked of the Voice of June 4. The transmitter is believed to be at (Hushung?) with 100 kw. (Tetsuya Kondo, ABI, on RNMN 4/16) 15280 kHz is assigned to the Central Broadcasting System, which broadcasts to mainland China. (JM on RNMN 4/16)

- **HAITI** - *R. Seize Decembre* (16 December), a pro-Jean Baptiste Aristide operation, is buying time on WHRI through R. Miami International. The feed originates at a phone in the Haitian Embassy in Washington. It's on at 2100-2300 Mon/Fri in Creole on 17830 kHz and 1100-1300 Sun on 9850 kHz. The backers plan to continue until their goals have been achieved. [JM on RNMN 4/30] [Which would suggest the embassy's bills are being paid by Aristide's backers in the OAS.--mf]

- **NORTH KOREA** - The *Voice of National Salvation* broadcasts to South Korea on the following sked: 0255-0700, 0955-1700 and 1955-0100 on 3480, 4400, 4450, and 4557 SW and 1053 MW. 4120 kHz is also used from 0955-1700. 6010 kHz is used from 0955-1400. Programs are announced to begin on the hour. The ID sounds like "Kobugei Sori Pangsong imnida." English is broadcast daily from 0030-0100. (Tetsuya Kondo, Asian Broadcasting Institute, on RNMN 5/7)

- **SOUTH KOREA** - The clandestine *Voice of the People* changed its program schedule, but not its transmitting sked, on 3/1. Sked is 0253-0430, 0553-0730, 0023-1000 and 2253-0030 on 6600 kHz; and 1353-1530, 1530-1700, and 1953-2130 on 3912 kHz. The ID sounds like *Yoginun Pyongyang yeso pone de genun l nei mei sori pangsong imnida*. (Tetsuya Kondo, ABI, on RNMN 5/7)

Radio Echo of Hope broadcasts from 0253-0700, 0753-1200 & 2253-0100 on 6348 KHz and at 1253-1700, 1953-2100 on 3985 kHz. The ID sounds like "Shimang e mei ari pangsong imnida." (Tetsuya Kondo, ABI, on RNMN 5/7)

(presumed Iraq) *Holy Medina Radio (Idha'at al-Madinah al-Munawwarah)*, noted 4/22 on 9630 at 1935 in Arabic with talks against Saudi Arabia and the "Arabian Peninsula rulers". Programs contained talks in Saudi dialect and anti-Saudi songs which were carried on Iraqi radio during the gulf crisis. It continued to fade in & out & was completely lost after 2030. An Iraqi broadcast with the same name was beamed to Saudi Arabia on normal Iraqi frequencies during the Gulf crisis. (WBI 5/1) It's now noted on 11860 kHz, which also carries Iraqi radio's "Voice of the Kinfolk" service to Iraqis in Saudi Arabia from 1100-1300. They announce the sked as 1600-2000 & 0500-0900. (WBI 5/8)

Iraqi Kurdistan Radio, which appears to support the Kurdistan Socialist Party, was noted on 5/1 to call itself "Kurdistan Radio, the voice of unification" [Arabic: *Idha'at Kurdistan, sawt al-tawhid*]. Noted 1720 on 4130 kHz beginning Arabic program. Said programs start at 1600 in Kurdish and Arabic, repeated at 0300. (WBI 5/8)

Voice of Rebellious Iraq, the radio which supports the Iran-sponsored Shiite Supreme Assembly of the Islamic Revolution in Iraq, is currently observed on 8000 or 8010 kHz, instead of 6330 kHz, //1431 kHz. On 4/25 at 0340 it announced sked as 0330-0600, 1130-1400 and 1630-1900 GMT. It broadcasts mainly in Arabic, although a program in Kurdish was heard 1830-1900 on 4/24. (WBI 5/1)

RECEIVERS - The Lowe HF-150 may be purchased direct from the factory for 280 pounds, plus thirty pounds shipping costs, plus any customs duty. The address is Lowe Electronics, Chesterfield Road, Matlock, Derbyshire DE4 5LE, UK. The phone is 44 (629) 580800. Electronic Equipment Bank and Universal Radio have been appointed U.S. dealers. (JN on RNMN 4/23 & 30)

Bob Grove of Monitoring Times announced his SW-100 at the Dayton Hamvention. It will cost about \$800 list, will be made in North Carolina, and may be competition for the Drake R-8 when it ships in August. Tests to come. The reworked version of the Sony ICF-SW77 has appeared, apparently without the memory and audio bugs. (JN on RNMN 4/30)

-- Out of room. Opinions are mine, not VOA's. Back next month. ... Dan

QSL Reports

Sam Barlo
47 Prospect Place
Bristol, CT 06010



ARU DHABI: Capital Radio 13605 f/d folder cd. in 3 wks. (Field-MI). **UAE Radio** 11965 f/d folder cd. w/ schedule in 28 ds. for 2 IRCs. (Carberry-CA). 13605 same w/ schedule in 1 mo. for 1 IRC. (Romeo-NY).

ADMIRALTY ISLANDS: Radio Manus 3315 n/d friendly ltr. in 28 ds. v/s John P. Mandrakom, Acting Station Manager. (Grace-MA).

ANGOLA: Radio Nacional de Angola 11955 f/d cd. w/ schedule and a personal ltr. via certified mail in 160 ds. for a PT rpt. and 2 IRCs. v/s Cesar A.B. da Silva, Director Geral and Luzia Fancony, Chefe do Gabinete. (Durden-GA).

ANTARCTICA: LRA36 Radio Nacional Arcangel San Gabriel 15476 f/d cd. in 5 wks. for a SP rpt. and 2 IRCs. (Kohlbrener-PA). f/d cd. w/ map via Gabriel Ivan Barrera. He must be an "official" verifier for the station as I received the regular "Penguin and Mtn." cd. (Berg-MA).

ARMENIA: Radio Moscow 7130 via **Yerevan** f/d cd. w/ pin in 1 mo. v/s Mrs. Elena Osipova. (Boulden-CA). 17605 f/d cd. in 1 mo. (Field-PA).

ASCENSION ISLAND: VOA 11720 f/d cd. in 2 wks. after a f/up rpt. v/s Dan Ferguson. (Boulden-CA). 11720 and 15195 f/d cd. w/ schedule in 14 ds. (Schwartz-NY).

ASIATIC RUSSIA: AWR-RUSSIA 11855 via **Novosibirsk** f/d "20th Anniversary" cd. in 32 ds. * for \$1.00. Also rcvd. schedule, sticker and pennant. (Millard-TX). **Radio Moscow** 12050 and 17720 via **Khabarovsk** f/d cd. in 54 ds. (Brouillette-IL). 15425, 17840 and 17665 via **Petropavlovsk-Kamchatsky** f/d cd. in 54 ds. (Brouillette). 17695 via **Irkutsk** f/d cd. in 1 mo. (Field-PA).

AUSTRALIA: VNG 16000 and 12984 f/d folder cd. in 19 ds. for 1 IRC. (Carberry-CA). 16000 f/d cd. w/ personal note in 23 ds. v/s Marion Leiba. (Friend-NY). 16000 and 8638 f/d

cds. "Transmitter" and "Opening Commencement" in 26 ds. for 1 IRC. (Millard-TX). **Radio Australia** 9580 via **Shepparton** f/d ltr. w/ site indicated, schedule and a "Wilderness Society" cd. in 10 wks. for 1 IRC. (Romeo-NY)...Glad you and your wife have a great sense of humor...Sam. 21720 via **Darwin** f/d ltr. in 60 ds. (Washburn-ME).

AUSTRIA: Radio Austria International 9870 f/d cd. w/ schedule in 36 ds. for 1 IRC. (Carberry). 13730 f/d cd. w/ form ltr. in 25 ds. for 1 IRC. (Brouillette-IL).

BAHRAIN: Radio Bahrain 9746 f/d "Map" cd. in 5 mo. (Foeld-MI). p/d cd. in 4 mo. for \$1.00. * This after a f/up rpt. (Lare-MI). p/d cd. in 110 ds. for ms. and a shack photo. (Hosmer-MI) Two QSLs rcvd. for the EG Network on 6010 & for the AR Network on 9746 on the same day. Very happy with this catch! (Price-PA).

BELGIUM: BRP 21810 f/d cd. w/ sticker in 5 mo. (Ellerbe). 9930 f/d "Gent" cd. in 1 mo. (Millard-TX). 9925 f/d "Brugge Godshuizen Hospice" cd. w/ schedule in 50 ds. for 1 IRC.

BHUTAN: VOA 5025 f/d cd. direct (Romeo-NY). * from station in several mo. v/s D. Ferguson. (Ferguson)...The v/s sent me his own QSL. Bears further checking! Hi!

BOLIVIA: Radio Santa Cruz 6135 f/d prepared cd. w/ letter and pennant in 9 wks. for a SP rpt. and \$2.00. (Klinck-NY). f/d ltr. w/ pennant in 60 ds. for a SP rpt. and \$1.00. v/s Victor Blajot S.I. (Field-PA).

BONAIRE: Trans World Radio 11815 f/d "Voyage of Columbus" cd. w/ lots of goodies in 37 ds. for 2 IRCs. v/s Sally Rork. (Washburn-ME). in 1 mo. for 2 IRCs. (Walker-MI).

中國之音 VOICE OF CHINA

W. George Xu, P.O. Box 11463, Berkeley, CA 94701

Dear Mr. Martin A. Field

April 18, 1987

We are so glad to receive your report of reception of our radio station of Nov. 25, 1981. We would like to thank you for your concern about our radio station. Your detailed report of your reception of our radio is valuable to us. The evaluation of the quality of our broadcasting is very helpful information for us to improve our service.

Frankly speaking, we now very little about the technique of short wave broadcast. We are a group of overseas Chinese, most of us students. We have a dream that some day in the future China will be democratized and people there will enjoy basic human rights, not only the right to survive as the Chinese Communist Party purposely distorts the essence of the concept. This dream inspires us to make some substantial efforts towards its fulfillment. The establishment of Voice of China is one of many things that we are now doing to promote democracy in China. To some extent, Voice of China is to pick up the mission of Voice of America and Voice of Liberty. However, strictly speaking, we have no organizational relations with it. Voice of China is independent of any existing political organizations and it is financially supported by the Foundation for China in the 21st Century, a non-profit, unaffiliated organization registered in the United States. Because of the budget problems, Voice of China does not have its own broadcasting facilities. In an economical way, we just make the tapes and send them out to some areas close to Mainland China, where several broadcasting stations are generously assign a regular period of time for the broadcasting of Voice of China. We are proud that, in this way, Voice of China has been working successfully over a year. Enclosed is some further information about it. We wish you would like to have it.

I wonder whether we can invite you as our technical adviser. Your expertise will be of great benefit to the further improvement of our station. If we are lucky enough to get your support, we are sure that we will be able to more effectively disseminate new ideas to China. Your help will be greatly appreciated by us for it is a great blessing to China.

Since we know little about the shortwave hobby, we do not know whether this letter can be regarded as a letter of verification. And we also have no idea about QSL-card that you asked for. Please do not hesitate to inform us, it would be a great pleasure for us that we can do something to support your hobby.

Thank you again for your report!

Yours sincerely,

W. George Xu
Director of Voice of China

VERIFICATION SIGNERS: Radio Santa Cruz 6135 Victor Blajot. Radio Nacional de Colombia 17863 Miss Adriana Giraldo Cifuentes, Secretaria-Director. La Ene 103 4800 Luis Jose Rodriguez, Director and Antonio Perez, Proprietario. Addr: Pedro F. co Bono' 58, Santiago de los Caballeros. Radio Kiribati 14917.7 T. Fakaofa, Technical Staff. Marconi Radio International 11389.5 Antonello Napolitano, QSL Manager. Addr: Via Gozzano 8, I-40127 Bologna, Italy. Radio Ancash 4991 Armando Moreno Romero, Gerente General. CX3 La Voz de Artigas 6078 Solange Murillo Ricciardi, Jefe Programacion. VOA Bethany John Vodenik, Chief Engineer. Radio Marti 9525 Mike Pallone, Director of Operations - Technical Support. Radio Nacional de Venezuela 9540 Martin Delfin. Radio Tarna 4775 Mario Monteverde Pomareda, Gerente General. Radio Santa Monica 6670.2 Faustino Leonidas Rodriguez Rebaza. Addr: Calle Mariscal Caseres 453, Santiago de Chuco, Dep. La Libertad. Radio Satelite 6724 Sabino Llamas Chavez, Gerente. Radio Rwanda 3330 Etienne Ntirugirisonu.....via PLAY/DX.

BONAIRE: Trans World Radio 11930 same cd. w/ personal ltr., note and pennant in 1 mo. for \$1.00. (Romeo-NY). f/d "Atlantic Ocean" cd. in 1 mo. w/ pennant. (Field-MI).

BOTSWANA: VOA 7265 f/d cd. in 3 wks. for ms. v/s Dan Ferguson. (Walker-MI). same in 10 ds. (Gaharan-LA). f/d cd. in 1 wk. (Smith-OH). f/d cd. in 38 ds. (Millard-TX). 7265 & 11940 f/d cd. in 1 wk. (Boulder-CA). 11725 f/d cd. in 124 ds. (Comeau-MA). same in 10 ds. after a f/up rpt. (Hosmer-MI). 15495 f/d cd. in 1 1/2 mo. for ms. (returned). (Lare). 11895 f/d cd. in 14 ds. Thanks Dan! (Lobdell-MA). 15445 f/d cd. in 4 mo. (Orcutt-NY). Radio Botswana 7255 f/d "Herdsboy Milking Cow" cd. in 40 ds. for 1 IRC. v/s Ted Makgekgenene. (Millard-TX).

BOUGANVILLE, ARAWA REPUBLIC OF: Radio Free Bouganville 3880 p/d ltr. in 2 wks. v/s Martin R. Miriori, Bouganville Humanitarian Aid Co-Ordinator. Addr: P.O. Box 1203, Honiara, Solomon Islands. (Edwards-CA).

Dear Mr/Mrs. Riggs.....

Radio Vilnius confirms your report on November 9, 1991 at 22.30 UTC on the 9710 kHz..... The transmitter is located in Sitkonei (23B4955N02) (50kw).

Best wishes from
Lithuanian Radio Service

BRASIL: Radio Cancao Nova 4825 p/d cd. in 22 ds. w/ pennant for a PT rpt. and \$1.00. (Kohlbrener-PA). Radio Educadora de Braganca 4825 p/d "A Voz Catolica Da Familia Paraense" folder cd. in 48 ds. for a PT rpt. and \$1.00. v/s Irma Maria Jose de Sousa. (Durden)

BULGARIA: Radio Sofia 9560 f/d cd. w/ schedule and ltr. in 114 ds. v/s Mrs. Iva Delcheva, In-Charge of Listeners Letters. (Durden-CA).

CANADA: CHU 14670 p/d "Fleming" cd. in 33 ds. (Fanderys-OH). VE3ODX cd. in 1 wk. from Robert Ross. This is the ODX amateur station. (Berg-MA). CFRX 6070 f/d "Winter Solstice" cd. in 4 mo. for 1 IRC. v/s John Grimley. (Lamb-NY). Radio Canada

* International 11730 cd. in 15 ds. (Gaharan-LA). CIOX 6005 f/d cd. w/ ltr. in 7 ds. w/ sticker. v/s Andre Chevalier, Program Director. (D'Angelo-PA). same in 28 ds. (Schwarz-CANADIAN PIRATE: CSIC Seasick Radio 7413 f/d ltr. w/ info. sheet in 17 wks. tz-NY). for \$1.00. Addr: Box 109, Blue Ridge Summit, PA 17214. (Lamb).

CHILE: CBV 8677 cd. in 2 mo. for EG rpt. (Boulder-CA).
CHINA, PEOPLES REP. OF: BPM 10000 f/d "Logo" cd. in 22 ds. for 1 IRC. (Fanderys-OH). Radio Beijing 9665 f/d "Silk Figurine" cd. w/ schedule and sticker in 33 ds. for 1 IRC. (Romeo-NY). CPBS 11740 f/d "Cloth Ornament" cd. in 53 ds. w/ sticker. (MacHarg). Radio Fujian 4975 cd. in 2 mo. all in CH. (Boulder-CA).

CLANDESTINE: Voice of China 15280 n/d ltr. in 5 mo. (Field - MI). Voice of the Broad Masses of Eritrea 7490 f/d cd. in 2 mo. for ms. Station sent me 6 IRCs!! My rpt. was sent to the Sudan address per Rich D'Angelo. (Sgrulletta-NY).

COLOMBIA: Radio Nacional de Colombia 11822 n/d cd. in 84 ds. for a SP rpt. v/s Adriana Giraldo Cifuentes, Directora. (Yamada-JPN). same in 126 ds. for a SP rpt. and \$1.00. (D'Angelo-PA). 11825 f/d cd. w/ postcards in 39 ds. for a SP rpt. and 1 IRC. (MacHarg). Ecos del Combeima ltr. w/ sticker after a SP rpt. and 6 f/up rpts. v/s Jesus Erney Torres, Reporter. (Berg).

COSTA RICA: Radio for Peace International 15030 f/d cd. w/ sticker in 3 mo. for 2 IRCs. (Hoer-CROATIA: Radio Zagreb 9830 p/d sten-OH). postcard in 9 wks. for a taped rpt. and \$1.00. (Klinck-NY).



CUBA: Radio Habana Cuba 11760 and 11950 f/d cd. w/ ltr. in 117 ds. v/s Rolando Pelaez, Head of Correspondence Dept. (Moore-KY). 17705 f/d "Picadura Valley Cattle Breeding Project" cd. in 4 mo. (Schwartz). **Radio Moscow** 6045 via **Habana** f/d "Kremlin" cd. w/ personal ltr. in 61 ds. (Schwartz). 6000, 6045 and 9600 f/d cd. in 54 fs. (Brouillette-IL).
CYPRUS: CXC 9770 f/d "Transmitter Site" cd. in 50 ds. for \$1.00. ette-IL). Card listed **Zyvi** as the transmitter site. (Millard-TX).
CZECHOSLOVAKIA: Radio Praha International 7345 cd. w/ schedule in 26 ds. (Levison-PA).
DUBAI: UAE Radio Dubai 13675 f/d "Great Circle Map" cd. w/ pennant in 3 wks. for 2 IRCs. (Hoersten-OH).
ECUADOR: HCJB 15155 f/d "Leaping Llamas" cd. in 44 ds. (Washburn-ME). same in 35 ds. (Millard-TX). 9745 and 15155 f/d cd. in 41 ds. for ms. (Schwartz-NY). 21455 f/d "Hydro Plant" cd. in 1 mo. (Walker-MI). f/d cd. in 6 wks. (Hosmer-MI). cd. w/ calendar and schedule in 53 ds. for 1 IRC. (Romeo-NY). 21455, 15155 and 9745 f/d cd. in 1 mo. (Brouillette-IL). f/d cd. w/ note stating... Thank you for putting up with the special Leap Year program. Also rcvd. personal note from Rich McVicar. (Berg-MA).
Radio Catolica 3395 ltr. in 3 mo. for a SP rpt. and a tape. Addr: Av. Babahoye e Ibarra (Esquina), Aptdo. Postal 17-24-00006, Santo Domingo de los Colorados. (Berg).
ENGLAND: BBC 7325 via **Skelton** p/d ltr. in 13 ds. v/s J.W. McKay, Senior Transmitter Manager at Site. (Schwartz). **Radio Canada International** 7180 via **Daventry** f/d cd. w/ sticker and schedule in 1 mo. for ms. (returned). v/s Sheldon Harvey. (Walker-MI).
EUROPEAN RUSSIA: Radio Moscow 7150 via **Armariv** f/d cd. w/ personal ltr. in 61 ds. (Schwartz). same in 54 ds. (Brouillette-IL). 21785 f/d cd. in 1 mo. (Field-PA). 6055 via **Kazan** f/d cd. in 54 ds. (Brouillette-IL). 17870 via **Serpukhov** f/d cd. in 1 mo. w/ schedule. (Field-PA). 15435 and 15500 via **Moscow** f/d cd. in 1 mo. (Field-PA). 15465 via **Kingisepp** f/d cd. in 1 mo. (Field-PA). 17635 via **Tula** f/d cd. in 1 mo. (Field-PA). 17655 via **Saint Petersburg** f/d cd. in 1 mo. (Field-PA). 7110 via **Samara** (formerly **Kuybyshev**) f/d cd. in 54 ds. (Brouillette-IL).
FRANCE: Radio France International 21645 3 f/d cds. w/ schedule in 32 ds. (Washburn-ME). 21635 via **Issoudun** f/d "Notre Dame" cd. in 47 ds. w/ schedule. (Moore-KY).
FRENCH GUIANA: Radio Japan 15325 via **Montsinery** f/d cd. in 1 1/2 mo. for 2 IRCs. (Hoersten-OH).

QSL

Verification Card

Station VOICE OF THE BROAD MASSES OF EITREA
 For JOHN L. SGRULLETTA

Thank you for your reception report. We are pleased to verify your reception of our transmission on 12 February 1992 from 03.27 to 04.14 hours on 7.490 kHz. with a power of 10 kW.

- I would like to inform you that:
- ① we have shifted from 7490 kHz to 7020 kHz & 7380 kHz daily.
 - ② we are on air from 03.27 to 04.14 hours.
 - ③ you can tune to these frequencies from 7.30 to 16.00 GMT.

X GHEBRGAB GHEBREMENNIN



GABON: Radio Japan 11735 via **Moyabi** f/d cd. in 55 ds. (Hosmer-MI). **Radio France International** 9790 via **Moyabi** f/d cd. w/ schedule in 45 ds. (Schwartz).
GERMANY: Sudwestfunk 7265 f/d cd. in 7 wks. v/s Dr. Krank. (Lawrence-NY). f/d "Sunset" cd. in 83 ds. (MacHarg). same in 42 ds. (Millard-TX). **VOA Wertachtal** 17895 f/d cd. in 10 ds. (Hosmer-MI). 15185 via **Munich** f/d cd. in 2 mo. (Name?)

Bayerischer Rundfunk 6085 p/d cd. in 2 wks. for \$1.00. (Kohlbrener-PA). **Radio Bremen** 6190 p/d cd. in 9 wks. for ms. and a taped rpt. (Klinck-NY).
GHANA: GBC 4915 f/d cd. w/ schedule in 33 ds. for 2 IRCs. (Carberry-CA).
GREECE: VOA Kavala 15205 f/d cd. in 1 wk. after 2 f/up rpts. (Boulden-CA). 11905 f/d "White House" cd. w/ VOA Europe stickers in 66 ds. Schedule was rcvd. (Schwartz-NY).
GUAM: Adventist World Radio 15610 f/d cd. w/ schedule in 3 wks. for 1 IRC and \$1.00. (Franzen-MN). **KTWR** 11805 f/d cd. w/ schedule, sticker and a personal ltr. in 1 mo. **GUATEMALA: Radio Buenas Nuevas** 4800 f/d cd. w/ pennant and station (Field-MI). * history info. in 4 wks. for a SP rpt. and \$1.00. (Lawrence-NY).
HUNGARY: Radio Budapest 11910 f/d cd. w/ schedule in 1 mo. for 1 IRC. (Romeo-NY). f/d "Matthias Church" cd. in 37 ds. (Levison-PA).
ICELAND: INBS 13855 f/d cd. in 26 ds. for \$1.00. (Millard-TX).
INDIA: All India Radio 11620 f/d "Old Palace, Leh" cd. w/ schedule and a sticker in 43 ds. for 1 IRC. (Romeo). 15080 f/d cd. w/ schedule and a sticker in 48 ds. (Carberry).
IRELAND: Radio FAX 6205 f/d cd. in 10 ds. for ms. v/s Trevor Brook. (Sgrulletta-NY). 12255 f/d cd. w/ station history and info. in 3 wks. for \$1.00. (Kohlbrener-PA).
 More to follow.....Sam.

VERIFICATION

Thank you for your report. We are pleased to verify your reception of WJCR World Wide Radio. via Comeau

Date March 16 1992

Time 0151-0235 UTC

Frequency 7.490 MHZ

S. Powell
WJCR World Wide

WJCR World Wide
P. O. Box 91
Upton, KY 42784 USA

- 15235 f/d cd. w/ schedule in 95 ds. (Schwartz-NY).
LITHUANIA: Radio Vinius 9710 f/d "Map" cd. in 10 wks. for a taped rpt. and 2 IRCs.
MALAGASY REP: Radio Nederland 15570 f/d cd. in 40 ds. for 1 IRC. (Carberry-CA). f/d "Wubbo Ockels, Astronaut" cd. w/ sticker and banner in 38 ds. (Schwartz-NY).
MALAWI: Malawi Broadcasting Corp. 3380 personal ltr. in 5 wks. after several rpts. for \$1.00. v/s T.J. Sineta. (Orcutt). 3380.6 p/d ltr. in 7 wks. for a taped rpt. and \$1.00. (Klinck-NY). p/d ltr. in 24 ds. after a f/up rpt. (Field-PA).
MALI: Radio Beijing 11715 f/d cd. w/ site in 1 mo. (Kohlbrener-PA).
MALTA: Voice of Mediterranean 9765 f/d "Collage" cd. in 21 ds. for 2 IRCs. (Newman). f/d cd. in 26 ds. for 1 IRC. (Friend-NY).
MANCHURIA: Heilongjiang PBS 4840 and 5950 n/d cd. w/ ltr. in CH in 97 ds. (Schwartz-NY).
NEWFOUNDLAND: CKZN 6160 f/d "Map" cd. in 36 ds. for 1 IRC. (Millard-TX).
NEW GUINEA TERRITORY: Radio Morobe 3220 f/d ltr. in 1 mo. for \$1.00. v/s Aloysius R. Nase. (Lare-MI).
NEW IRELAND: Radio New Ireland 3905 p/d ltr. in 24 ds. v/s Otto A. Malatara. (Grace-MA)
NEW ZEALAND: Radio New Zealand International 17770 p/d cd. w/ tiki and schedule in 6 wks. for 3 IRCs. (Hosmer-MI). **ZLXJ Print Disabled Radio** 3935 f/d cd. in 1 mo. for IRCs and a shack photo. (Hosmer-MI). f/d yellow cd. in 2 wks. w/ info. sheet. (Field-NORWAY: **Radio Norway International** 11925 f/d cd. w/ schedule and sticker in MI). 12 ds. for 1 IRC. (Romeo-NY).
OMAN: BBC 15310 f/d cd. in 5 wks. v/s Dave Plater, Senior Transmitter Engineer. (Berg-MA). f/d "Map" cd. in 27 ds. v/s David Bones, Senior Transmitter Engineer. (Washburn-ME). same in 24 ds. w/ personal ltr. for \$1.00. (Moore-KY). 11955 f/d cd. w/ personal ltr. in 26 ds. (Schwartz-NY). 5965 f/d cd. in 37 ds. for 1 IRC. (Hosmer-MI).
PAPUA TERRITORY: Radio Southern Highlands 3275 p/d ltr. in 30 ds. v/s Andrew Meles.
PERU: Radio Nor Andina 4460 f/d cd. on my 9th try for a SP rpt. Personal (Grace-MA). * ltr. was rcvd. (Field-MI). **Radio Cusco** 6195 f/d cd. w/ personal ltr. in 3 mo. for a * SP rpt. and ms. v/s Raul Siu Almonte, Gerente General. (Orcutt-NY). **Radio Santa Monica** 6670 f/d prepared cd. w/ personal ltr. in 60 ds. for a SP rpt. and \$1.00. They sent me tapes of local music...very friendly station. (D'Angelo-PA)...Nice QSL Rich. For some of our newer members....when a station replies to your report as the above did, it is always best to write back with a big thank you...Sam.
PHILIPPINES: VOA 11760 f/d cd. w/ calendar in 63 ds. (MacHarg). 9760 f/d cd. in 1 1/2 mo. (Lare-MI). **FEBC** 11995 f/d cd. in 1 mo. for 1 IRC. v/s Mrs. Alida Landman. (Boulden-CA). **Radio Philippines** 21580 f/d "Logo" cd. in 24 ds. for \$1.00. v/s Evelyn Agato. (Millard)
QATAR: QBS 15285 p/d ltr. in 285 ds. for ms. Schedule rcvd. (Turnick-PA).
SAIPAN: KHBI 17865 f/d cd. in 50 ds. (Carberry-CA)..



SEYCHELLES: **BBC** 15420 p/d personal ltr. in 25 ds. for \$1.00. v/s Peter Lee, Resident Engineer. (Moore-KY). n/d ltr. in 1 mo. w/ schedule. (Field-MI).

SINGAPORE: **Singapore Broadcasting Corp.** 5052 f/d cd. in 173 ds. for \$1.00. (returned). (D'Angelo-PA). **BBC** 15340 f/d cd. in 67 ds. for 2 IRCs. (Carberry-CA).

SOUTH AFRICA: **Radio RSA** 15230 f/d cd. in 32 ds. for ms. (Hosmer-MI).

SRI LANKA: **VOA** 15250 f/d cd. in 13 ds. for ms. (returned). (Lare-MI). f/d "Mt. Rushmore" cd. in 39 ds. (Millard) f/d cd. in 1 wk. (Boulden-CA). **Radio Japan** 11840 f/d "Swan" cd. w/ sticker and schedule in 49 ds. v/s K. Hishikawa. (Millard-TX).

SUMATRA: **RRI Palembang** 4855 p/d ltr. in 2 mo. for an IR rpt. and ms. v/s Iskandar Suradilaga, Station Manager. (Kohlrenner-PA).

SWAZILAND: **Trans World Radio** 5965 f/d folder cd. in 47 ds. w/ sticker and schedule. v/s Carol Tatlow. (Millard-TX). 3240 same cd. in 51 ds. for 3 IRCs. (Brouillette-IL).

SWEDEN: **Radio Sweden** 9695 and 11705 f/d "Reindeer Roundup" cd. in 37 ds. for 1 IRC. Also rcvd. personal ltr. w/ stickers. (Brouillette-IL). 9695 f/d "Stockholm" cd. in 45 ds. w/ personal note and stickers for 1 IRC. (Hosmer-MI). 11705 cd. in 53 ds. for 1 IRC. (Romeo-NY).

SWITZERLAND: **Swiss Radio International** 12035 f/d cd. in 50 ds. (Gaharan-LA).



Continuamos en el aire el 22 de Julio de 1989

ESTACION HORIZA

Horario de Transmision	Frecuencia
00:00h - 12:00h	3.81 MHz
12:00h - 13:00h	3.90 MHz
13:00h - 24:00h	7.00 MHz

En 3.81 y 3.90 MHz se transmite de tiempo en tiempo con programación de 1 hora en 1 hora. En 7.00 MHz se transmite programación de 55 min. 40 s. y 56 min. 50 s.

En 7.00 MHz se transmite también de tiempo en tiempo con programación adicionalmente en Servicio de Frecuencia Paralela, con la siguiente programación:

12:30h - 12:45h	Tiempo de 10:31 Hz
12:45h - 12:50h	Tiempo de 44:31 Hz
12:50h - 13:00h	Portatrans 5 MHz, un minuto.

WJCR Sept.-21/89

PARA RADIOAFICIONADO

ROSLAND ARCHER, WPECQ

5524 Hawthorne Park

Raleigh, NC 27613

USA. -

Q S L

Certificado de Sintonia

Emisora Armonías del Cequeté

A Sr. Rosland Archer

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en

4915 920 kHz. de fecha 30 de octubre de 1988

a las 5:31 a.m. - horas de Colombia con

38 Evasios de potencia.

P. Alvarez

Firma y sello oficial



NOTE: I guess this is as good a time to tell you what happened just two weeks ago. I can type about 40 to 45 words a minute with my right hand index finger...well that same finger meet a "skill" saw that it didn't like and I cut an inch off. Its a good thing my middle finger is well trained.... "Stubby"

TAIZHIK: **Radio Moscow** 4040 via **Dushanbe** f/d cd. in 1 mo. (Boulden-CA).

TAIWAN: **Voice of Asia** 7445 via **Kaohsiung** f/d "Bridge" cd. in 20 ds.

(Millard-TX). **Voice of Free China** 5950 f/d "Art Works by Orphans" cd. w/ schedule and decal in 1 mo. for 1 IRC. (Romeo-NY). **BSF** 15000 f/d "Dr. Sun Yat-sen Memorial Hall" cd. in 35 ds. for \$1.00. (returned). (Fanderys-OH). (Kohlrenner-PA).

THAILAND: **Radio Thailand** 9655 f/d "Dancers" cd. w/ pennant and sticker in 2 mo.

TURKEY: **Voice of Turkey** 9445 f/d "Artifacts" cd. in 31 ds. w/ schedule for 2 IRCs. (Brouillette-IL). same in 53 ds. w/ sticker and schedule. (MacHarg).

TURKMENISTAN: **Radio Moscow** 4825 via **Ashkabad** f/d cd. in 3½ mo. for ms. (Wallace-CT).

UKRAINE: **Radio Moscow** 4860 via **Kharkov** f/d cd. in 90 ds. (Rigas-IL). 7115 and 7150 via

Ivano-Frankovsk f/d cd. in 54 ds. (Brouillette-IL). 11750 via **Lvov** f/d cd. in 54 ds.

(Brouillette-IL). 15335 via **Vinnitsa** f/d cd. in 54 ds. (Brouillette). 17840 and 17790

f/d cd. in 1 mo. (Field-PA). 21800 and 17810 via **Simferopol** f/d cd. in 1 mo. (Field-PA)

Radio Kiev 11790 2 different "Ukrainian Embroideries" cds. in 6 mo. (Lamb-NY). f/d cd.

in 226 ds. (Levison-PA). f/d "Logo" cd. in 6 mo. for \$1.00. (Millard-TX). 15180 f/d

"Bird" cd. in 146 ds. (Levison-PA). 15485 f/d cd. in 11 mo. for 1 IRC. (Kohlrenner).

* **Radio Ukraine** 7400 f/d cd. w/ schedule in 117 ds. (Schwartz-NY).

USA: **WJCR** 7490 f/d cd. w/ ltr. in 12 ds. (Schwartz-NY). f/d "Globe and Cross" cd. w/

ltr. in 11 ds. v/s Don Powell, President. (Washburn-ME). same in 2 wks. (Field-MI).

f/d cd. in 1½ wks. for ms. Stickers were rcvd. (Ellerbe). cd. w/ ltr. in 7 ds. for ms.

(Stuart-OK). f/d cd. w/ personal ltr. in 10 ds. (D'Angelo-PA). f/d cd. w/ "First Day"

notation on the QSL in 2 wks. (Berg-MA). **WSHB** 13770 f/d cd. in 70 ds. (Schwartz-NY).

Voice of Free China 5950 via **WYFR** f/d cd. w/ schedule, stickers and newspaper in 33

ds. (Levison-PA)...Mr. Romeo, please check your QSL [as listed above] to see if it was

relayed via **WYFR**...Sam. **WCSN** 13770 f/d cd. in 34 ds. (Schwartz). f/d prepared cd. in

45 ds. v/s Juan Conden. (Smith-OH). 9850 f/d cd. in 6 wks. (Noonan-WI). 9840 f/d cd.

in 89 ds. for ms. (Turnick-PA). **"Signals"** 7435 via **WJCR** "Globe on a Barber Pole" cd.

[my description] in 2 mo. (Berg-MA). same in 1 wk. for **SASE**. (Franzen-MN). **WMLK** 9465

f/d ltr. in 2½ mo. for ms. (Noonan-WI).....more to follow...Sam.

USA (Pirates): Pirate Omega Radio

7417 f/d cd. in 9 wks. w/ personal note. 7418 f/d gold & black cd. in 35 ds. for \$1.00. 80 watts! v/s Dick Tator. (Kusalik-ALB). **He-Man Radio** 7414.9 f/d cd. in 48 ds. (Kusalik-ALB). 7415 f/d cd. w/ Desert Storm trading cd. in 43 ds. (Smith-OH). **Voice of the Night** 7415 n/d form ltr. in 5 wks. (Walker-MI). f/d ltr. w/ poster in 33 ds. (Terrance-NY). 7425 n/d ltr. in 55 ds. (Zeller-OH). **Voice of Shakerag** 7415 f/d cd. #16 in 1 mo. (Smith-OH). f/d B&W "Logo" cd. via **RHCN** in 31 ds. for SASE. v/s Col. Hounddog T. Oglethorpe (Frodge-MI)...OOOOOKAY...Sam. f/d "Skull w/ knife and Good Time Radio Hour" cd. OSL #1 in 1 mo. (Zeller-OH). **Radio Free Massachusetts** 7415 f/d cd. w/ personal ltr. in 33 ds. (Stephens-AL). 15050 f/d "RFM 92" cd. w/ personal ltr. in 31 ds. via the BRS addr. (Hardester-NC). **WARI Alternative Radio International** 7418 f/d "Computer Fruit" cd. in 24 ds. for 3 ms. (Frodge-MI). 7415 f/d ltr. in 17 ds. (Hosmer-MI). f/d ltr. w/ station info. in 1 mo. for a rpt. to the Wellsville addr. v/s Dr. Lobotomy. (Walker-MI). f/d "Index" cd. w/ "Logo" sheet in 29 ds. (Zeller-OH). 7418 f/d cd. in 3 wks. for 3 ms. (Smith-OH). **WRTR** 7415 f/d "Robert Tilton Radio Miracle Prayer Sheet" in 55 ds. (Zeller-OH). **WKND** 7415 f/d "Logo" cd. w/ info. package in 61 ds. v/s Wild Steve and Radio Animal. (Stephens-AL). **The Car Show** 7420 f/d "Seat Belt" in 45 ds. v/s Smokey. This is an actual car seat belt w/ f/d on it!!! (Stephens-AL). **Hope Radio International** 7388 f/d cd. in 3 mo. for ms. (Walker-MI). **Tube Radio** 7414 f/d "More Than Just a Pretty Face" cd. in 3 mo. v/s Ray Cathode. (Walker-MI). **Voice of Anarchy** 7418 f/d ltr. w/ station info. in 2 mo. for ms. (Walker-MI). f/d QSL sheet in 3 mo. for ms. (Hosmer-MI). **Radio USA** 7414.4 f/d "Joe King" sheet in 3 mo. for ms. (Hosmer-MI). 7415 f/d sheets for 2 different rpt. in 1 mo. (Stephens-AL). **RKUN America** 7415 p/d info. sheet in 4 mo. for a rpt. to ACE bulletin. (Stephens-AL). **WARI / Voice of Lobotomy** 7415 f/d "Street Scene" cd. w/ form ltr. in 3 wks. for 3 ms. (Lobdell-MA).....I thought I'd get through this mess w/o repeating a station. Well I didn't...**Tube Radio** 7415.8 f/d cd. in 63 ds. (Stephens).

Dear Mr. D'Angelo,

Sofia, 08.06.1990

Many thanks for your reception report for March 1st 19 90 at 06.08-06.37 h. GMT on 7,670 kHz m. It has been checked and found correct.

Home Service, Stolnik

RADIO SOFIA, BULGARIA

The present QSL - card is the reports of reception in a period of weeks will entitle you to the next number in the series. The last QSL - card will be accompanied by of Radio Sofia.



TRANS WORLD RADIO

F. O. BOX 3518, AGANA, GUAM 96910

via Gordon Darling

KTWR SHORTWAVE

KTWG MEDIUM WAVE



INTERNATIONAL GOSPEL BROADCASTING



cd. in 3 mo. for 2 IRCs. (Hoersten-OH).

VATICAN: Radio Vatican 7305 f/d "Tower of Leo XIII" cd. w/ schedule in 61 ds. for 1 IRC (Romeo-NY). f/d cd. w/ schedule in 68 ds. for 1 IRC. (Friend-NY). f/d "Dome of St. Peter's" cd. in 6 mo. (Galgano-NY). f/d "St. Peter's Basilica seen through FM Antenna" cd. in 86 ds. w/ schedule. (Schwartz-NY). 6245 f/d "Cross Antenna and Angel Gabriel" cd. in 5 mo. for 1 IRC. (Lamb-NY).

VENEZUELA: Radio Tachira 4830 n/d cd. in 498 ds. for a SP rpt. and \$1.00. v/s Simon Eleazar Silva M., Director. (Washburn-ME). p/d cd. in 68 wks! for a SP rpt., tape and ms. (Klinck-NY). **Radio Nacional de Venezuela** 11695 p/d green "Logo" cd. in 23 ds. after my 4th f/up rpt. v/s Marty Delfin, Director of EG Programs. (Stephens-AL).

YUGOSLAVIA: Radio Jugoslavia 17740

f/d "Bled" cd. w/ schedule and pennant in 1 mo. for 1 IRC. (Romeo-NY). f/d cd. in 6 wks. for 3 IRCs. (Hoersten-OH). 9505 f/d "Waterfront" cd. in 6 wks. on my 3rd try. Schedule and pennant were rcvd. (Field-MI). 9580 f/d cd. w/ schedule in 24 ds. for 2 IRCs. (Carberry-CA).

ZIMBABWE: Zimbabwe Broadcasting Corp. 5012 p/d ltr. in 22 ds. for ms. This after a f/up rpt. (Turnick-PA).

That's all for this month.....Sam.

Polish Pathfinders Broadcasting Station
KULONOWICZKI 4, 01-451 WARSZAWA POLAND
P.O. Box 343 tel 22 84 54
Fax: 01234 730 PL

Many thanks for your correct Reception Report on our transmission dated 29th May 1979 on 6195 kHz in the 49 meter band at 0958-1010 LT.

Your interest in our program is most gratifying and we hope to hear from you again in the near future.

Best regards,

Time - Table and Frequency

Polish Pathfinders

G. M. Darling

10 Caterley Drive

Coverham Park

Reading RG4 0XP

Great Britain

NASWA Scoreboard

Jerry Lineback
6361 Shore Drive
Douglasville, GA 30135



Best regards to everyone and welcome to the NASWA SCOREBOARD for June, 1992. This month the SPOTLIGHT is on Europe. Remember that C/H = Countries Heard and C/V = Countries Verified. Country counts should be made according to the official NASWA Radio Country List. You should update all totals each time you submit an update to the SCOREBOARD and you must update at least once a year to remain listed. The next deadline is August 15 for the September issue of the Journal when the SPOTLIGHT will be on North America. On to the statistics.

Name, State	Total		Europe		Best European QSL
	C/H	C/V	C/H	C/V	
James Young, CA	240	225	41	38	R. Andorra
Gordon Darling, P/NG	236	230	44	44	V of the Leek
Marlin Field, MI	230	225	40	40	EMR
William Flynn, OR	227	208	39	38	R. Dublin Int.
Jerry Berg, MA	225	224	41	40	Polish Pathfind
Gerald Bishop, FL	225	211	41	40	NIRS
Harold Cones, VA	223	214	37	37	R. Renasiencia
Nobuaki Takahashi, Japan	223	194	40	36	R. Andorra
Steven Lare, MI	222	188	41	41	Karelo-Finnish
Terry Palmersheim, WA	221	204	40	38	WMR Scotland
Mitch Sams, MO	221	171			
Al Miller, OH	217	209	38	38	Andorra
John Sgrulletta, NY	215	215	38	38	R. Dublin Int.
Del Fye, FL	212	197	40	40	Petrozavodsk
Donald Hosmer, MI	212	183	39	39	Scotland
Kevin Atkins, AL	211	185	37	37	WMR
Ron Howard, CA	210	190	34	34	RIAS Berlin
Kirk Allen, OK	209	200	35	33	R. Dublin 800W
Sheryl Paszkiewicz, WI	209	198	38	38	WMR Scotland
Rick Krzemien, CA	209	195	36	35	R. Dublin
Paul Buer, FL	208	197	40	38	R. Dublin
Frank Orcutt, NY	206	175	37	33	R. Nordsea Int.
Jerry Lineback, GA	205	108	38	29	Andorra
Mike Hardester, NC	202	187	39	37	Karelo-Finish
Robert Ross, Ont.	200	178	38	38	South Dublin R.
Tom Daly, NY	197	45	38	20	WMR Scotland
Jerry Klinck, NY	192	163	34	33	R. Fax
Fred Kohlbrenner, PA	188	157	38	37	R. Andorra
Henry Michalenka, RI	184	153	35	35	RIAS W. Berlin
Larry Kramer, CO	183	108			
Hadley Cress, VA	182	8			
Charlie Washburn, ME	178	143			
Tom Laskowski, IN	177	141	34	31	R. Dublin 800W
Greg Hart, FL	173	124	37	35	N.I.R.S.
Ichiro Maruo, Japan	172	105	32	28	ICR
Rev. John Eckert, PA	171	155	36	36	R. Dublin
Jim Renfrew, NY	170	134	36	35	RAI Sicily
Andy Rugg, Que.	165	151	39	39	NIRS 6273
Allan R. Loudell, DE	165	130	35	33	Riga/Minsk
Carl Mann, NB	157	140	33	33	R. Dublin
Daniel Prisco, PA	156	133	39	38	R. Condor
Thomas Ross, IL	152	130	33	33	Iceland
Cris Hazzard, PA	151	122	33	32	R. Riga
Nick Grau, MA	150	99	35	31	R. Arkhangelsk
David Morby, NY	149	42	35	20	R. Dublin
Bill Taylor, PA	148	114	37	37	R. Dublin
Carl Radtke, WA	147	147	31	31	Monaco
David Edger, VA	147	120			

Name, State	Total		Europe		Best European QSL
	C/H	C/V	C/H	C/V	
Robert Landau, NJ	137	120	33	33	AWR Forli
Ross Comeau, MA	136	86	33	27	R. Stella Inter
Richard Wallace, CT	136	82	32	30	R. Yugoslavia
Robert A. Wallace, CA	134	103	30	28	Monaco
Bill Kurrasch, NY	133	97	31	24	AWR Forli
Stephen Price, PA	132	106	32	31	R. Riga
Joe Kremer, IN	131	85	32	30	Yugoslavia
Richard Hankison, KS	130	107	30	28	Y3S DDR
David Turnick, PA	123	104			
Jerry Ervine, TX	115	65	26	20	Luxembourg
Randy Doyle, AR	114	64	32	21	Iceland
David Galletly, NY	110	88	34	32	N. Ire. Rly. Sv
Jason Moore, KY	110	57	31	26	R. Luxembourg
Mark Spat, NH	108	26			
Robert Carlsen, OH	106	87	33	32	
Edward Stroh, IL	100	82			
Brian Boulden, CA	92	78	28	27	R. Tirana
Barry Schwartz, NY	91	52	30	24	R. Kiev
K. Murray, OR	82	64	27	25	Poland
Royal Berglee, ND	81	51	28	22	R. Bucharest
Bruce Orenstein, NY	78	66	28	28	VoMed. Malta
Scott Helm, KS	78	53	26	22	R. Sofia
Lowell Pankake, MN	78	2	25	1	R. Berlin Int.
Rev. William Peake, IA	70	54	30	24	R. Tirana

Thanks to all who shared their DX totals with SCOREBOARD this month. Please send your DX totals to me by August 15 for the next SCOREBOARD and remember that the SPOTLIGHT will be on North America. 73s

FOR SALE: ICOM R-71A, Customized by GILFER. Has 4.0 kHz filter & pre-amp effective into AM band. A-1 shape. \$625 includes shipping. ALSO: CUSTOMIZED BEAM HEADINGS (from/to) & Distances (MI/KM) to over 475 WRTH-92 transmitter sites including new Russian Republics. ITU Country Codes incl. Send your location or coordinates, \$6.95. WRTH-91, \$10.95. Complete "Passport to World Band Radio" '89, \$6.95. All items include shipping. Cashiers check or money order, please. Al Drehman, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398. No collect calls, please.

FOR SALE: Drake R7 receiver, MN75 antenna tuner, MS7 speaker, receiver has 6,4,3,2.3 and 1.8 kHz filters, NB, AUX7 program board, R4245 knobs, 12 VDC cord, dust covers, and all manuals, \$1150.00 ALSO: Drake R4B, in excellent condition with MS-4 speaker, crystals for all major SWBC bands, dust covers, \$250.00. Daiwa AF-606K active audio filter, \$55.00. Steven R. Lare, 824 West 25th Street, Holland, MI 49423 (616) 335-2270.

FOR SALE: NRD-525 with 4 filters, CMH 532, \$750.00
 Universal M7000 V.5 with V.6 Rom upgrade, \$700.00
 Kiwa MAP-1, \$150.00. Dave Wakeland, 3321 Wedgewood Drive, Indianapolis, Indiana 46227, (317) 865-0056.

Hi Bill, How's that blue grass of Kentucky? KWF. & KW3F.

Contributors' Page

Vernon Hyson
5410 Camp Stewart Road
Charlotte, NC 28215
CompuServe 76516,1531



LOGGINGS CONTRIBUTORS - MAY/JUNE 1992 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA
Jerry BERG, Lexington, MA
Brian BOULDEN, Fairfield, CA
Ralph BRANDI, Middletown, NJ
Jim CLAR, Rochester, NY
David CLARK, Newmarket, ONT
Richard D'ANGELO, Wyomissing, PA
Gordon DARLING, THAILAND
Adie DURDEN, Albany, GA
David EDGER, Caracas, VENEZUELA
Jerry ERVINE, Hildalga, TX
Marlin FIELD, Hillsdale, MI
William FLYNN, Cave Junction, OR
Harold FRODGE, Midland, MI
James GALGANO, Seneca Falls, NY
Nick GRACE, Harvard, MA
Peter GRENIER, Sparks, NV
Richard HANKISON, Prairie Falls, KS
Michael HARDESTER, Jacksonville, NC
Hans JOHNSON, Columbia, MD
Rufus JORDAN, Pittsburgh, PA
W. KARCHESKI, Holden, MA
Jerry KLINCK, West Seneca, NY
Marie LAMB, Brewerton, NY
Harold LEVISON, Philadelphia, PA
John LYON, White Bear Lake, MN
Kevin MIKELL, Park Ridge, IL
Stephen MURPHY, Eastpointe, MI
Kevin MURRAY, West Linn, OR
Scott NEWMAN, Indianapolis, IN
Chuck OLIVER, Spring, TX
Dale PARK, Honolulu, HI
Martin PECK, New York, NY
Rev. Ed POSTON, Ventura, CA
Stephen PRICE, Cohemaugh, PA
Carl O. RADTKE, Vancouver, WA
Doug ROBERTSON, Oxnard, CA
Mitch SAMS, Blue Springs, MO
Todd SMITH, Norwalk, CT
Nick TERRENCE, Huntington, NY
Robert TUCKER, Savannah, GA
Dan UNRUH, Ellensburg, WA
Mike WESTDAL, Sacramento, CA
Jon WILLIAMS, Indianapolis, IN
Juichi YAMADA, Nara, JAPAN

NRD535 various Longwires
R8 HQ180A R390A 150' Longwire
RK641 Indoor LW
Sony 2010 RF4900 DC777 40' Random
FRG8800 ATS803A Eavesdropper
R7 (2) HQ180C Collins 51S-1 Antenna Farm
R70 AD Sloper
Sony 2010
NRD515 SE3 Inverted V
Sony 2010
R2000 Longwire
NRD535D SPR4 Eavesdropper
R2000 TUN3 Sony 2010 R7A 140' LW 85' Dipole
R71A AP4 DX302 Sony 2002 Trap Dipole 185' Random
Grundig Satellite
TS440S 800' LW
FRG7 ATS803A MFJ1020A
R5000 AD Sloper
R70 Sony 2010 75' Random RWest Loop
R8 AD Sloper 50' LW
DX302 Transoceanic
R5000 AD Sloper
R8 R5000 HQ180A Sony 2010 350' Mini Bev 2 60mDip
R600 20m Longwire
R8 R70 D2999
TS940S ATS803A MFJ949D 80 & 10m Dipoles
NRD515 LW
IC745 3 elememt Yagi Dipoles
R8 Eavesdropper
DX440 Ant Tuner Random Wire
R1000 Eavesdropper
R5000 ATS803A
NRD515 R71A FRG7
R8 Indoor Random

NRD535D
DX302 FRG8800 FRA7700 Longwire
HQ180 FRG7 Farley Loop Mini-Beverage
SW60
R71A Sony 2010 Sloper Dipole
ATS803A
R71A S107 Random Wire
R8 AN1 Sony 2010 Eavesdropper
R7 NRD515 HQ180A AD Sloper Delta Loop InvV
NRD525 50m Dipole

The DXPEDITION bug must have hit North of the the Mason-Dixon Line. From Gifford Pinchot State Park, PA the fearsome fivesome of Rich D'Angelo, Bob Brown, Hans Johnson, Fred Kohlbrenner & Dave Valko heard awesome sounds. Harold Frodger reported in from Brighton, MI with his R71A and a 500' random wire antenna.

Enjoyable listening & good DX -

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- 2310 AUSTRALIA ABC Alice Springs 4/22 1003 pop mx, ment ABC & Meatloaf's "Bat out of Hell" album //2325 (Johnson-MD)
- 2410 NEW GUINEA R Enga, 4/17 1009 PD anmts, ID, hymns (Johnson-MD)
4/17 1010 prob Good Friday svc, hymn (Clark-ON)
- 3205 NEW GUINEA R Sandaun 4/17, 0957 PD rel ment Mary and Christ hymns, ID (Johnson-MD) 1052 ID, choral mx countdown pgm! (Murray-OR) 4/5 1127 ID, ment Kundu svc, lcl anmts, ment Vanimo, strong (Durden-GA)
- 3210.5 MOZAMBIQUE RM 4/15, 0330 PT ID, discussion, poor (Klinck-NY)
- 3215 SOUTH AFRICA R Oranje, 4/23 0355 AK, Western & Saf mx fair sig (Klinck-NY)
- 3220 NEW GUINEA R Morobe, 4/26 1104, end provincial nx, ID, choral mx (Durden-GA)
- 3235 BRAZIL R Clube Marilia 4/18, 0023 EZL, IDs 0028, 0032 (Johnson-MD)
- 3235 NEW BRITAIN RWNB 4/27, 1015 island mx, PD tlk, anncd songs, 1032 ID, short program preview (Johnson-MD) 4/27 1100, EG ID, blowing on conch shell, nx, messages, mx pgm-"Like You Want Em" (Durden-GA) 4/27 1229-1300* PD tlk, choral mx, 1258 anthem (Murray-OR)
- 3260 NEW GUINEA R Madang 4/17, 1003 movie mx, ID 1008, sked ment nx from Pt Moresby at 9 o'clock (Johnson-MD) 4/22 1052 svc anmts, ID, nx abt elections, Bible readings (Durden-GA)
- 3265 SULAWESI RRI Gorontalo 4/9, 1038 Hindu-sounding mx, tlk, clear ID 1100, fading after (Durden-GA)
- 3275 PAPUA R Southern Highlands, 4/17 1022 ID, TC 1031 (Johnson-MD) 4/4 1123 Motown mx, EG ID, island mx (Durden-GA) 4/14 1200 tent, tlk, brief mx, very poor (Hankison-KS)
- 3280 CHINA Vo Pujiang 5/4 1155 tent, CH class mx, 1200 tlk, CH & Western class mx, hvy CW QRM (Murray-OR)
- 3280t ECUADOR LV del Napo 4/20, 0950 non-stop Ec. mx, ID possibly 1001, poor w/QRM (Lamb-NY)
- 3285 ECUADOR LV Rio Tarqui, 4/27 0910 LA vcls, ads, IDs, TCs Fair (D'Angelo-PA) 4/24 0946 "Espacio Madrugador" mx, IDs, "Radio Super, LV del Rio Tarqui, tropical y recorrrera" ads (Durden-GA)
- 3300 GUATEMALA R Cultural, 4/15, 0424 "Insight for Living," ID, FC, "Musica en Educacion" pgm (Lamb-NY)
- 3315 ADMIRALTY R Manus, 5/2 1125 ment PO box #s, 6-digit phone #s C&W mx, ID 1137, chorals (Murray-OR) 4/14, 1210 tent w/mx, poss ment NBC (Hankison-KS) 4/10 1100 ID, nx, sports (Durden)
- 3345 MOLUCCAS RRI Ternate, 4/9 1000 piano mx, ID, lcl nx, many ment Ternate (Durden-GA)
- 3345 PAPUA R Northern 4/22 0952 pop mx, 1000 4 TP, drum, nx //4890, 1011 back to mx (Johnson-MD)
- 3365 NEW GUINEA R Milne Bay 4/21 1013 tlk by W, ment "society affairs" 1018 ID (Johnson-MD)
- 3385 NEW BRITAIN RNB 4/23, 1007 nx, drum, ID as R. Tatvuvur. . broadcast East New Britain" (Johnson-MD)
- 3395 NEW GUINEA R Eastern Highlands 4/23 1004 //4890 nx, back to mx 1009 (Johnson-MD) 4/29 1100 EG ID, nx, mx (Durden-GA)
- 3445t BORNEO RRI Pontianek 4/15, 1318-1330 IN pops, tlk by M, S3 to S7 level (Flynn-OR)
- 3880 CIAND, R Free Bougainville 4/12 1020, pop songs, tlk, 1054 tent ID & freq in EG, ment 3.8 MHz, 1055 last vcl, anmts, ment "the bx tomorrow nite" TC, anthem to 1102 (Clark-ON) 4/27, 1038 S7 sig, tlks past 1100, many ment Bougainville, also ID as "Radio . . Bougainville" (Johnson-MD)
- 3905p NEW IRELAND R New Ireland 4/17, 1032 PD nx amongst ARO QRM (Johnson-MD)

- 3935p NEW ZEALAND ZLXA 4/19, 0822 song, tlks in seemingly EG but low level, mx 0857, tlk 0904 (Clark-ON)
- 3940t CHINA, Hubei PBS 4/15, 1330 CH drama, weak, will this block out Hong Kong? (Flynn-OR)
- 3940 UNID 4/17 1045 modest carrier, probably the Chinese, no sign of RTV Hong Kong nor 4/18, 19 (Clark-ON)
- 3987.1 IRIAN JAYA RRI Manokwari, 4/17 1000 pop vcls, good peaks 1038+ but going down by 1050 and lost by 1100 (Clark-ON)
- 4450p CLAND Vo Natl Salvation "Ku-gug-e Sori Pangsong" 4/17 1029 strong sig overriding jammer & hash, short tlks in KR class & martial mx but no ID nor //s (Johnson-MD)
- 4485p ASIATIC RUSSIA Petropavlovsk-Kamchatsky 4/17, 0954 w/R. Russia pgm, poss live rpts of parliament, TP, poss ID (Berg)
- 4510 PERU R Horizonte, 4/5 1015 mx, ID, addr in Chiclayo (Durden) I've seen logs for this under both Peru & Bolivia (?)--sp.
- 4606.3 IRIAN JAYA RRI Serui 4/17, 1030 CRW mx, prob better than I've hrd this season (Clark-ON) 4/22, 1122 instls, ID, tlks (Durden-GA)
- 4679 ECUADOR RN Espejo 4/14 0220-0257* radio drama, ads, echo ID promos, weak (Jordan-PA) 4/4 0225-0256* drama, canned IDs, ads, jingles (Alexander-PA) 4/15, 0235-0301* drama, credits ID, s/off anmts, good (D'Angelo-PA)
- 4735t CHINA, Xinjiang PBS 4/16, 1518 mx on strange instruments, poss drama, very weak (Flynn-OR)
- 4755 BRAZIL, R Educacao Rural, 5/7 0005 mx requests w/call ins (Edger-VENEZUELA) 5/1 0849 lcl mx, ID, echo anmts, ads FC (Lamb-NY)
- 4765 CONGO, RTV Congolaise, 5/4 0407 vern, mx, good (Ervine-TX) 5/3, 2135 FR tlk, drums, ID, tlks (Edger-VENEZUELA)
- 4774.5 JAVA RRI Jakarta, 5/4, 2210-2255 EG pops, tlks & disappeared w/o s/off (Edger-VENEZUELA)
- 4780p DJIBOUTI RTVD, 4/13 0304-0320 Koran, tlks, mx but bad CW QRM & numbers station, no chance for ID (D'Angelo-PA)
- 4782.4 MALI RTV Maliene 5/6, 2335-0002 mx, anthem, s/off, fair (Edger-VENEZUELA)
- 4790 PERU R Atlantida, 5/7 0040 rap mx, ID, tlk abt youth in barrios (Edger-VENEZUELA) 4/14, 0938 mx, rooster, ID 0953, abruptly lost sig at 0957 (Terrence-NY)
- 4795 BRAZIL R Difusora 4/18 0045 choir, class mx, jingle, ID 0100, listed as R Nova Difusora but ID as above (Johnson-MD)
- 4805 BRAZIL Rdf Amazonas, 4/20 0940 lcl pops, ID, FC 0941, TCs (Lamb-NY)
- 4810 SOUTH AFRICA R Suid Afrika, 4/8 0320 60s mx, AK tlk (Hankison)
- 4810.2 PERU R San Martin 4/10, 1003 Cajamarca mx, ID (Durden-GA)
- 4825 PERU LV de la Selva, 4/29, 1017 OA mx, IDs, comunicados, tlk abt TB symptoms (Durden-GA)
- 4840.1 VENEZUELA R Valera, 5/4 0910 mx, anmts, ID (Klinck-NY)
- 4850t CAMEROON, RTV Yaounde, 4/19, 2314 Grover Washington, FR pops, Afr. pops (Lamb-NY)
- 4850v ECUADOR R Luz y Vida, 4/12, 2305 group vcls, QTH refs, IDs, anmts, much QRM (Jordan-PA)
- 4864.5 BOLIVIA R 16 de Marzo 4/24, 0953 rustic mx, canned echo anmts, IDs, tlks, Colombian off this morning (Johnson-MD)
- 4865 BRAZIL R Verdes Florestas, 4/27, 0147 EZL mx, 0245 full canned ID ment Cruzeiro do Sul, Acre, Brasil (Johnson-MD)
- 4866.5p IRIAN JAYA, RRI Wamena 4/17, 1053 poor w/switch to 4871 irregular lately w/ neither freq hrd some days (Clark-ON)
- 4871.2 ECUADOR R Centinela del Sur, 5/2 0340-0407* SP pops & ballads, ID 0352, ads, closing anmts, NA (Alexander-PA)
- 4875 BENIN ORTB 4/3, 0519 Afr. pops, FR ID 0530 (Lamb-NY)
- 4875t CHINA Vo Jinling 5/2, 1335 CH tlk, mx, severe QRM, TP, 1410 fade out (Murray-OR)
- 4875.2 BOLIVIA R La Cruz del Sur, 4/27, 1005 w/the most echoed ID I have ever hrd, tlk in lang, some mx (Johnson-MD)
- 4885 COLOMBIA Ondas del Meta, 4/8 2358 municipal govt ads, anmts, nx, canned ID, vallenato mx (Durden-GA)

- 4890 GABON R. France Intl relay, 4/23, 0405 FR nx items, good (Klinck-NY) Now would be a good time to send Jerry a NASWA "portrait" of yourself!--sp.
- 4890 PAPUA NBC 5/11, 0840 EG anmts, mx, nx headlines (Boulden-CA) 5/3 0943 lcl & Western mx, ID, nx, mx at 1010, frequent IDs, best this season (Klinck-NY) 4/27, 1149 pops, anmts, ment No. 1, svcs of NBC, ID, drums, nx, 1205 chorals (Murray-OR)
- 4890 SENEGAL ORTS, 4/19, 2308 FR ment Senegal, kalimba mx, ID (Lamb-NY)
- 4895 COLOMBIA, LV del Rio Arauca, 5/4, 0148 tlk, mx, 0200 ID, anthem (Ervine-TX)
- 4909.8 MOZAMBIQUE RM, 4/23, 0413 PT anmts, ID, PT guitar mx, more IDs, fair (Klinck-NY)
- 4914.9 BRAZIL R Anhanguera, 4/20, 2357 lcl mx, ID, nx, fair to good (Klinck-NY)
- 4915 PERU R Cora, 5/5 0425 SP mx, tlks, ID, s/off w/freq, anthem, ID, rel mx (Ervine-TX)
- 4920 NICARAGUA, R RICA, 4/23, 0417 regional nx, ID 0430, mx pgm fair to good (Klinck-NY)
- 4935 BRAZIL R Capixaba, 4/24, 0055 anmts, canned ID 0058, no sign of R Tropical (Johnson-ND)
- 4935 KENYA KBC 4/20, 0240-0325 EZL mx, 3+1 TP, ID, TC, nx by YL, SIO-353 (D'Angelo-PA) 4/27, 0300 TC, ID, EG nx (Johnson)
- 4939.6 VENEZUELA R Continental, 4/25, 0220 mx, ID, ads (Klinck-NY)
- 4940 CHINA Qinghai PBS, 4/17, 1246-1335 CH opera, TP 1300, flutes, tlk w/orch mx breaks, 1320 sev IDs, nx (Murray-OR)
- 4945 BRAZIL R Progreso, 4/23, 0951 mx, ID w/call sign (Durdan-GA)
- 4950.8 ANGOLA RN, 4/21, 0254 PT tlk by M, uses slide whistle a lot, very weak (Flynn-OR)
- 4970p VENEZUELA, R Rumbos, 5/6, 0618 EZL mx, tlks, heavy static (Boulden-CA)
- 4975 CHINA, Fujian PBS, 4/10, 1251-1400 CH instls, tlk by M, 1330 O Canada IS & RCI "Everyday English lessons" (Murray-OR) 4/16, 1327-1356 EG lesson "Let's Talk in EG - Working at Home" fairly good (Flynn-OR)
- 4976 UGANDA R Uganda, 4/30, 0408 EG nx, weak (Ervine-TX)
- 4980 VENEZUELA Ecos del Torbes, 0358 s/off anmt, ID, NA (Ervine-TX)
- 4990 CHINA Hunan PBS, 5/2, 1250-1329 CH opera, 1259 drum/orch mx anmts, ment Hunan, IDs (Murray-OR)
- 4990.8 PERU R Ancash 5/5, 0415 ID, martial mx, anmts (Ervine-TX)
- 4996t MONGOLIA Choibalsan, 5/4, 0256 lang, singing, Oriental lang, off abruptly 0306 (Ervine-TX)
- 4996 PERU, R Andina, 5/4, 0200 tlks, folk mx (Ervine-TX)
- 5010.2 ECUADOR Esc. Radiofonicas, 5/2, 0200-0235* tlks, HC mx, ID & off, good (Alexander-PA)
- 5018 UNID 4/24, 0554 EG rel w/Dr. Gene Scott, weak but readable Help? (Boulden-CA)
- 5025 CUBA R Rebelde, 3/31 0337 sports, ID 0445 (Robertson-CA) 4/5 0323 IA mx pgm, 0400 ID (Robertson-CA)
- 5035 BRAZIL, R Aparecida, 4/29, 0007 lcl pops, echo anmts, cock crow, ads, mx requests, ID 0021 (Lamb-NY)
- 5035.1 BRAZIL, R Educacao Rural, 4/20, 2318 rel pgm w/prayers, mx bridges (Klinck-NY)
- 5045 BRAZIL R Cultura do Para, 4/26, 0624 tlk & lcl mx, ID 0630, fair to good (Klinck-NY)
- 5047 TOGO, RTV Togolaise, 4/25 2328-0003* Afr. mx, FR ID ment Lome, s/off w/NA (Terrence-NY)
- 5052 SINGAPORE, SBC 4/17, 1426-1449 EG oldies, Billy Joel, Doobie Bros. 1436 SBC ID //11940 (Murray-OR)
- 5097.1 PERU R Eco, 5/3, 0634 pops, Madonna, tlk, canned IDs 0640 & 0645, fair but CW QRM (Alexander-PA)

Here are some more Asian loggings, courtesy of GORDON DARLING, at various receiving locations:

- 2432.5 SUMATRA, RRI Banda Aceh 1/17, 2205-2210 Jak relay (PEN)
3007.4 INDO, unid amatir, 1/18, 0920+ gungy modulation & FM carrier, presumed from northern Sumatra (PEN)
- 3224.6 SUMATRA, RRI Tanjung Pinang 1/17, 2210 Jak nx relay (PEN)
3374.3 SUMATRA, RRI Medan, 1/17, 2216 Koran, AR mx, ads //855
Jumped abruptly to 3375.7 at 2227 (PEN)
- 4003.2 SUMATRA RRI Padang, 1/17 2220 lcl mx, YL anncr (PEN)
4830 THAILAND RT 1/15, 1510 Thai ext. svc, very poor level & low mod, don't believe it's 10 kW! (CMA)
- 4844.8 MALAYSIA RTM 1/18 0619 Radio 6, discussion in Tamil (PEN)
4926.9 SUMATRA RRI Jambi 1/17 1017 Indo pops, strong (PEN)
4933.9 CHINA Hognhe BS, lcl nx 1/17 1018 "Begin the Beguine" instl, lcl mx (PEN)
- 5408 CLAND Vo Natl Army Kampuchea 1/17 1354-1417 trad Khmer mx, 1403 intl nx by YL (PEN)
- 5600t VIE'NAM Hoang Lien Son BS, VT mx on 1/15, 1032, M anncr, distorted audio (CMA)
- 2466 INDO Rptd RPKD Klungkung unhrd over 15 days in Bali, incl. 2 in Klungkung. Nobody I asked in Klungkung had ever hrd of station. No HF antennas found during search except at lcl Civil Defence HQ, which of course was closed at 3 p.m. because nobody had come back from lunch - this is Bali! If station exists/is active, these are the people who should know, address is Jalan Untung Surapati 2, Klungkung. (BAL)
- 3460 INDO, RPDT2 Aceh Timur 1/17, 1248 EG & Indo pops, Jak nx, very good sig (PEN)
- 4760 CHINA Yunnan PES, 1/17, 1240 CH mx & male anncr. Nil trace of Port Blair, less than 600 km on a sea path across the Andaman Sea. (PEN)
- 2350 JAVA, RRI Yogyakarta, 1/26, 1350 Indo pops, good (BAL)
2418.1 INDO unid amatir, 1/26, 1355 Indo pops, weak/poor, rptd Radio Ribubung? (BAL)
- 2580.2 INDO unid w/interview, FM & distorted audio. RPDT2 Timor Tengah Seletan, Soe? (BAL)
- 2688.3 INDO unid amatir, Indo pops, heavy echo IDs & breaks in audio believed in Jakarta area (BAL)
- 2694.9 INDO RPKD Ende 1/26 1048 tlks (BAL)
2781.7 unid Indo, call to prayer & Koran 1/26, 1050 (BAL)
2850 unid Indo, radio play 1052 UTC (BAL)
- 2904.8 INDO RPDT2 Ngada lcl nx at 1044 (BAL)
- 2922.4 TIMUR RRI Dill lite instls, IS, Jak nx 1100 (BAL)
3229.7 SUNDAS RRI Mataram 1000 fade in here, nx, pops (BAL)
3975.9 JAVA RRI Surabaya 1000 fade in, mx, ads, nx (BAL)
4697.7 JAVA RKIP Surabaya Indo pops, 1000+ (BAL)
4753.4 SULAWESI RRI Ujung Pandang nightly at exc lvl (BAL)
5691.9 INDO RPDT2 Berau, Koran, trad mx, NA, nx 1035, unlisted in WRTH (BAL)
- 3215 SULAWESI RRI Manado Jak nx at 1404 (BAL)
3231.9 SUMATRA RRI Bukittinggi Indo pops & ID 1406 (BAL)
3249.7 BORNEO RRI Banjarmasin good at 1408 (BAL)
4697.3 JAVA RKIP Surabaya 1415 w/Wayang performance (BAL)

Key: CMA - Chiang Mai or Chiang Rai, Northwest Thailand; or Chiang Saen and Mae Sai, Golden Triangle, Thai/Lao/Burma border
PEN - Batu Ferringhi (Foreigners Rocks), Northwest Penang Island, Malaysia
BAL - Kuta, Ubud, Klungkung or Amlapura, Bali, Indonesia
Receiver - Sony ICF-2010 using telescopic, 350' vertical and/or 300m beverage in Amlapura.

Thank you very much for the fascinating loggings! This will give everybody some additional targets. . .

International Band Loggings

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



- 59482 BOLIVIA R Pio Doce in SP 0934, rustic mx, ID, WYFR QRM 0952 (Johnson MD 4/21)
 5950 GUYANA VO Guyana in EG 0915, Hindustani mx, ID, ads, DJ (Durdan GA 4/16)
 5960 CANADA R Japan relay in EG 0110, cmntry on robots & their usages (Levison PA)
 59647 BOLIVIA RN de Huanuni in SP 0945, TC, upbeat mx, gongs, ID (Johnson MD 4/27)
 5980 BRAZIL R Guarujá in PT 0910, "Ave Maria", relig tlk, ID, f (Lamb NY 5/1)
 6005 GERMANY RIAS Berlin in GM s0255, US pops, ID, nx, f (Lamb NY 4/13)
 6015nf? PERU R Union in SP 0816, huaynos mx, chatty tlk, ID, ads (D'Angelo PA 4/21)
 ED: WRTH and PWBR both list R Union at 6115. This is a 10mhz move down the band.
 6030 BRAZIL R Globo in PT 0010, ID's, slogans, jingles, pop mx, f-p (Clar NY 4/18)
 6045 RUSSIA R Polyus in RS 0427, rock mx, clear ID, QRM from RFI (Berg MA 4/17)
 6060 ARGENTINA R Nacional in SP 0840, L Am mx, tlks, ads, ID's, f (D'Angelo PA 4/14)
 60698 INDONESIA RRI Jayapura in IN 1047, tlk, clear of CFRX w/LSB (Clark ONT 4/17)
 6090 BRAZIL R Bandeirantes in PT 0807, pop mx, ID's, tlks, ads, f (D'Angelo 4/21)
 6105a BRAZIL R Cancao Nova in PT 0720, pop mx, ancmts, //4825, 9675 (Alexander PA 5/3)
 6116 COLOMBIA LV del Llano in SP 0103, tlk, call-in, ads, ID's, TC's (Clar NY 4/15)
 6160 CANADA CKZU Vancouver in EG 0657, ID, jazz/classical mx (Robertson CA, Park HI)
 6165 NETHERLAND ANTILLES R Nederland relay in EG 0534, Happy Station pgm (Park HI)
 7125 ITALY IRRS in EG 0525, relig pgm, ID's, address, f (Alexander PA 5/2)
 7130 TAIWAN WOPC Taipei in KR 1045, CH/KR lessons, ID, into JP (Durdan GA 4/24)
 7160 MALAYSIA RIM Sarawak in EG 1125, piano mx, ID "Kuching", nx (Durdan GA 4/24)
 7255 BOTSWANA R Botswana(t) in EG 0405, relig sermon or Bible study, f (Clar NY 4/19)
 7376v COSTA RICA RFPI in EG 0340, interviews, //15030 (Boulden CA 5/9)
 7295 MALAYSIA RTVM Kajang Radio 4 in EG 1407, Top 40 hits, ads, jingles, g (Flynn OR)
 7405 CHINA R Beijing in EG 1400, McDonald's grand opening, g (Radtko WA) No ID?
 7450 GREECE VOG in EG 2335, nx, cmntry, ID, into SP 2350, f (Clar NY 4/5)
 9475nf? AUSTRALIA RA in EG 0916, ezl pop mx, ID, fqys, "Arts Roundabout" (Lamb NY 4/16)
 9515 GERMANY D Welle in EG 0550*, nx, "European Journal", mx, LBX pgm (Jordan PA 5/1)
 9520 PHILIPPINES R Veritas Asia in EG 0950, Beatles mx, IS, ID, skeds (Clar NY 4/8)
 9560 AUSTRALIA RA in IN 1225, ID, tlk, strong signal (Durdan GA 4/26)
 9590 NETHERLAND ANTILLES RN relay in EG 0335, nx, "Media Network" (Poston IA 4/10)
 9595 JAPAN R Tanpa Tokyo in JP 1042, mx, ID's, promos, pips, cmntry (Clar NY 4/23)
 9610 ASCENSION ISLAND BBC relay in FR 0630, FR/EG lesson, ID, g (Boulden CA 5/5)
 9650 SWITZERLAND SRI in EG 0156, IS, ID, tlk re S Africa & Swiss watches (Poston IA)
 9660 JAPAN R Canada relay in CH 1526, 60's jazz, IS, EG/FR ID, nx, //6150 (Park HI)
 9675 BRAZIL R Cancao Nova in PT 0702, relig mx, ID's, "Madrugada" pgm (Lamb NY 4/16)
 9740 SINGAPORE BBC relay in EG 1010, ID, "Newsdesk", live coverage of Pope's Easter Mass from Rome, //6195, 11750, 12095, 15070 (Robertson CA, Lamb NY, Park HI)
 9770 CYPRUS CBCC Zyyi in GK 2216 via BBC relay, IS, ID, drama, mx, g (Clar NY 4/26)
 9800 RUSSIA R Rossiya in RS 0932, nx re Arafat's flight, lite classics (Park HI 4/8)
 9870 SAUDI ARABIA BSKSA HS relay in AR 2015-2130*, NA, vocals, ID, tlks (Jordan 4/13)
 9875 AUSTRIA RAI in EG 0130, ID, nx, wx, political report, g (Poston IA 4/10)
 11500 CHINA R Beijing in GM 1856*, modern folk mx, ID, sked, //9920 (Park HI 4/10)
 11520nf? UKRAINE R Ukraine in UK(p) 0103, pop mx, ID's, IS, nx, g (Lamb NY 5/5)
 11620 INDIA AIR in EG 1747, ID, pgm of Subcontinent mx, f/g (Clar NY 4/11)
 11655 MADAGASCAR R Nederland relay in EG 0125, pop mx, ID, nx, //9860 (Lamb NY 4/24)
 11720 AUSTRALIA RA in Tok Pisin 1035, ID, nx, xmsn for PNG area (Durdan GA 4/23)
 11745 NORWAY RNI in EG 2300, IS, ID, nx pgm (Poston 4/11) RNI lists 11795 this hour??
 11765 ASCENSION ISLAND BBC relay in SP/EG 2345, language pgm (Tucker GA 4/6)
 11775 TAIWAN CBCS(t) in CH 1445, ID?, time tone, nx (Hankison KS) Heavily jammed fqy
 11780nf? GERMANY D Welle in EG 0618, ID, "Man & Environment", vg (Lamb NY 4/18)
 11780 AUSTRIA RAI in EG 1530, tlk on Europe's financial status (Radtko WA 4/30) ID?
 11795 UNITED ARAB EMIRATES UAER Dubai in EG 1633, nx, wx, ID, into AR (Clar NY 4/8)
 11800 ITALY RTVI Rome in EG 0104, nx, ID, address, nx, g (Poston IA 4/12)
 11800 AUSTRALIA RA in EG 1300, nx, soccer scores, ID, mx, tlk (Radtko WA, Lamb NY)
 11810 ANTIGUA D Welle relay in GM 0700, nx hillites, ID, fqys, exc (Robertson CA 4/8)
 11895 NETHERLAND ANTILLES RN relay in EG 1005, Easter egg hunt, p (Park HI 4/19)
 11910 AUSTRALIA RA in EG 1605, nx, interviews, ID (Robertson CA 4/17, Unruh WA 4/30)
 11920 SOUTH AFRICA RSA in PT 0500, ID in EG, RSA nx in PT (Grenier NV 5/4)

11925 BRAZIL R Bandeirantes in PT 2358, ID's, pips, promos, fqys, p (Clar NY 4/22)
11938 CAMBODIA VO People in Lao 1248, into VT 1300, chorus, nx?, no ID (Flynn OR 4/16)
11945nf IRAQ R Iraq in AR 0029, pips, ID's, tlk, AR mx, GRM from Spain (Clar NY 4/29)
119548 ANGOLA R Nacional in PT 0555, pop mx, ID, nx, //97202 (Alexander PA, Durden GA)
11970 RUSSIA R New Wave in RS 1315, US rock & C/W mx, ID in EG (Flynn OR 4/11) Site?
11990 CZECHOSLOVAKIA R Prague in EG 0000, IS, ID, nx, wx, mx (Poston IA, Radtke WA)
12025nf GUAM TWR Agana in Swatow? 2130, IS, ID, relig mx, tlk, island mx (Ervine TX 5/6)
13605 UNITED ARAB EMIRATES Abu Dhabi in EG 2300, nx, ID, features (Poston IA, Lamb NX)
13625 N. MARIANAS KHBI Saipan in EG 1400, racial problems in USA (Radtke WA 5/1) ID?
13635 SWITZERLAND SRI in EG 0430*, ID, mx, "Red Cross Rev iew" (Lamb NY, Grenier NV)
13700 CUBA RHC in EG 0245, features, ID, Lam mx, IS (Park HI, Robertson CA 4/5)
13720 GUAM KSDA Agat AWR in EG 1815, relig pgm, ID's, address, mx, f-p (Clar NY 4/4)
13730 AUSTRIA RAI in EG 0130, IS, ID, nx, wx, opera, mailbag, g (Poston IA 4/13)
13755 AUSTRALIA RA in EG 1615, "Int'l Report" (Grenier NV) in lang? 1355 (Tucker GA)
13855 ICELAND Reykjavik in IC 2010*, one message in EG hrd, //15770 (Terrence NY 4/1)
15145 SEYCHELLES FBBA in Anharic? 0329, IS, ID, electric piano, g (Park HI 4/3)
15150 MADAGASCAR R Nederlands relay in EG 1510, ID, pgm on leprosy (Hankison KS 4/25)
15150nf IRAQ R Iraq in EG/AR *2212-0056*, NA, gave skeds for //s 15150, 17740, 11945
from 2215-0115, EG nx 2347-2357, to AR 2357, s/off in EG, NA (Alexander PA 4/26)
15160 BULGARIA R Sofia in EG 0419, nx, mx, ID, features, cmntry (Tucker GA, Lamb NY)
15170 SO. KOREA R Korea in EG 1039, KR mx with explanation inserts, f (Klinck NY 4/25)
15175 NORWAY RNI in NO 0619, press review, IS, into relay R Denmark 0630 (Park HI)
15185 GERMANY D Welle in EG 0631, "European Journal", ID, feature, //13790 (Park HI)
15185 FINLAND RF in EG 0145, cmntry, ID in langs, IS, mx (Terrence NY, Lamb NY)
15190 ASCENSION IS. BBC relay in EG 0916, "The A to Z of Rock & Pop" (Park HI 4/21)
15215 ALGERIA RTV Algerienne in EG 1800*, ID, QTH, mx, //17745 (D'Angelo PA 4/12)
15260 ASCENSION IS. BBC relay in EG 0212, nx, classical mx, ID, exc (Robertson CA 4/5)
15260 CANADA BBC relay Sackville in EG 1630, variety pgm, ID, nx, f-g (Robertson 5/5)
15275 INDIA AIR in EG 1220, cmntry, press review, ID, fqys, sked, f (Clar NY 4/24)
15290 PHILIPPINES VOA relay in EG 2220, "VOA Wednesday Morning", ID, f (Clar NY 4/14)
15295 MALAYSIA VO Malaysia in Malay 0930, ID, nx, cmntry (Durden GA 4/19)
15340nf IRAQ R Iraq in EG/AR 0236, nx, ID's, cmntry on LA riots, into AR 0247 (Lamb 5/3)
15345 MOROCCO RT Moroccan in AR 1445-1600, vocals, tlks, ID's, mx, f (Jordan PA 4/17)
15345 ARGENTINA RAE in SP 2355, bombastic promos, ID's, ads, fqy, futbol (Jordan 5/8)
15350 LUXEMBOURG RL in EG 0315, rock mx, several ID's (Tucker GA 4/5, Poston IA 4/2)
15410 PHILIPPINES VOA relay in Mandarin 1423, nx, EG sound bites, CH mx, ID (Lamb NY)
15480nf UNITED ARAB EMIRATES Abu Dhabi in AR *1600, nx, prayer, mx, ID (Jordan PA 4/17)
15480 ISRAEL Arab Network D in AR *0300, IS, ID, chants, mx, tlks, nx? (Jordan 4/25)
15485nf ITALY RAI R Uno relay in IT 1546, ID's, pop mx, call-in, tlk, f (Lamb NY 5/3)
15495 UKRAINE R Ukraine in UK 0555, pop & folk mx, ID's, nx 0600, g (Lamb NY 4/11)
15601v IRAQ R Iraq in AR 0135, vocals, diatribe, ME mx, drama, ID (Jordan 4/25)
15610 ISRAEL Kol Israel in EG 2137, nx, spotlight on Syrian Jews, nx (Tucker GA 4/25)
17500 TUNISIA RTVT in AR 0458, nx, comedy, AR mx, f/o 0535, f-p (Jordan PA 5/1)
17605 ARMENIA R Yerevan in AR? 0315, pop mx, Cossack mx, //17690, f-g (Unruh WA 4/25)
17605 UKRAINE RU Kiev in EG 0018, celebration of Spring, ID, fqys, sked (Robertson CA)
17620 FRENCH GUIANA R France relay in FR 2320, nx, mx, tlks, ID, exc (Robertson CA)
17620 FRANCE RFI in EG 1600, IS, nx headlines, //17795, 17850 (Grenier NV 4/30)
17725 LIBYA VO Great Homeland in AR 0237, nx, Koran, AR mx, ID, //15235 (Lamb NY 4/20)
17730 VATICAN STATE VR in EG 0628, IS, drums, ID, Palm Sunday liturgy, vg (Lamb 4/12)
17730 KAZAKHSTAN R Alma Ata in EG 1830, IS, ID, fqys, lcl mx (Alexander PA 5/2)
17795 FRANCE RFI in FR 1510, "Medias" pgm to Afr, IS, pips, ancmts, f (Flynn OR 4/14)
17840 ANTIGUA BBC relay in EG 1408, "Sportsworld", live reports (Tucker GA 4/11)
17860 RWANDA D Welle relay in GM 2340, mx from "Cabaret", ID at 2350* (Robertson 4/5)
21480 MADAGASCAR R Nederland relay in DT 1027, IS, ID, fqys, pips, nx (Park HI 4/12)
21480nf CROATIA R Zagreb in lang/EG 1200, EG nx segments for 3 mins, war nx (Jordan 5/6)
21515 PORTUGAL RPI in PT 1350, ID's, "Lisbon Antigua", f (Flynn OR 4/17)
21645 FRANCE RFI in EG *1230, nx, ID, press review (Jordan PA 5/11, Tucker GA 4/3)
21705 NORWAY RNI in EG 2110, tlk on NOR Parliamentary Conf, ID, f (Terrence NY 4/25)
21730 PAKISTAN RP in Urdu 0115, tlks, prayer recitations, chants, fqys (Jordan 4/22)
21770 SWITZERLAND SRI in EG 1700, nx, cmnts on language differences, g (Levison PA)
21840nf? RUSSIA R Golos Rossii in RS 1150, nx, pop & classical mx, IS (Jordan PA 5/6)

Another reminder to be sure to include the ID (or list parallel frequencies heard simultaneously) in order to verify your report. There were several loggings reported in the above listings that failed to do this. This info should be included even if the mxsn is in English. Where it is not feasible to get definite confirmation, please mark the logging "tentative" or "presumed".

CLANDESTINES AND PIRATES

 Trying to sort out the many Pirate/Clandestine loggings is like trying to count cattle moving around in a corral. Notwithstanding, I will do my best to make sense out of the many items submitted during the past two months. Some of them date back to March but these have been included due to the light volume of the more conventional SWL reports this month

CLANDESTINE STATIONS

6325 VO Khmer(t) in KH 1055, vocal w/echo, ID?, nx?, vp w/jammer QRM (Park HI 4/11)
 9850 R 16 Decembre via WHRI in Creole 1215-1300*, Haiti cland w/political tlk, vocals Caribbean flavored instrum'ls, skeds, f-g (Jordan PA 4/19)
 15050 Colombia R Patria Libre in SP 1147-1205*, tlks, ID's, L Am mx, slogans, skeds, fgys, patriotic mx, polemics (Jordan PA 4/21, Clar NY 4/12, Alexander PA 5/2)
 152052 VO Palestine-Algeria site in AR 1703, NA, ID's, heavy QRM (Johnson MD 4/19)
 17830 R 16 Decembre via WHRI in Creole 2205-2300*, Haiti cland w/long tlks, upbeat steel drum mx, ID's, rpts to R Miami Int'l (Johnson MD 4/17, Jordan PA 4/20)
 17960 VO Iraqi People Sowt Ash-Shab Al-Iraqi in AR 2211, no jamming, annod other fgys as 9570, 9985, 14795, 15190, 15605, 17950 (Johnson MD 4/16)

EUROPIRATE STATIONS

6205 R Caroline in EG 0241 (Karcheski 3/14)
 6205 R Fax Ireland in EG 0056 (Clar NY, Alexander PA, Karcheski MA, Frodge MI 3/21)
 62199 DLR-106 Ireland in EG 0426-0526 (Berg MA 3/21)
 6283 Free R. Holland in EG 0317-0515* (Grace MA 3/15, Berg MA 3/15)
 6292v Live Wire Radio in EG 0241 (Berg MA 3/15)
 15050 Live Wire Radio in EG 0159 (Johnson MD 4/18)

NORTH AMERICAN PIRATE STATIONS

6259 R Beaver 0201 (Frodge MI 3/15, Berg MA 3/15)
 7413v CSIC 0300* (Berg 3/15, Frodge 3/22, Brandi NJ 3/22, Alexander PA, Clar NY 4/26)
 7413 WLIS "We Love Interval Signals" 0204-0234 (D'Angelo PA 3/22, Frodge MI 3/22)
 7415 WBBS 0552 (Frodge MI 3/15)
 7415 WSKY Radio 0230 (Frodge MI 3/20) 0410 (Clar NY 4/19)
 7415 Hellraiser R Int'l 0358 (Karcheski MA 3/15)
 7415 R. Kaos Int'l 0333 (Karcheski MA 3/15)
 7415 VO the Night 2313 (Karcheski 3/8) 0530 (Peck NY 3/22) 0145 (Field MI, Clar 3/22)
 7415 WEED 0430 (Flynn OR 4/12)
 7415 Midnight Radio 0233 (Clar NY 4/5)
 7415 WRNR(t) 0040* (Clar NY 4/12) Huntsville, AL address
 7415 KXKVI 0543 (Brandi NJ 3/28) 0437 (Karcheski 4/5, Field MI)
 7415 Kranker Radio Int'l 0430 (D'Angelo PA 3/21, Peck NY 3/21)
 7415 WARI Alternative Radio Int'l 0024 (Karcheski MA 3/22, Frodge MI 3/22)
 7415 VO Shake Rag - Radio Bob 0303 (Karcheski, Peck, Frodge, Clar - All 3/21)
 7415 WGOP Conservative Radio 0247 (Frodge MI 3/8)
 7415 WHIZ 0036 (Frodge MI 3/4)
 7415 VO VOYAGER II 0040 (Karcheski MA 3/22)
 7415 KBFA Broadcasters of Free America 0205 (Berg MA 3/15)
 7415 WCYC Crazy Young Children 0007 (Frodge MI 3/22)
 7415 Rubber Chicken Radio 0308 (Frodge MI 3/22)
 7415 VO Pancho Villa *0500 (Lamb NY 3/15, Peck NY 3/15)
 7415 WPRE Power Radio Eastcoast 0410 (Peck NY 3/21)
 7415 Action Radio - New England 0142 (Karcheski MA 3/8) 0228 (Frodge MI 3/21)
 7416 WBNY Radio Bunny - Washington DC 0003 (Frodge MI 3/15)
 7416 WVOL Voice of the Loon 0016 (Frodge MI 4/25)
 7417 WLR Wire Line Radio 0221 (Karcheski MA 3/23)
 7417 He Man Radio 0100* (Clar NY 4/5)
 7418v WVOL Voice of the Loon 0109 (Frodge MI 4/18) 0005 (Clar NY 4/13)
 7420 Voice of Anarchy 0127 (Karcheski MA 3/30)
 7550 CSIC - Canadian station 0059 (Frodge MI 4/11) "from the Great White North"
 13800 Voice of Laryngitis 2106-2131* (D'Angelo PA 3/22)
 15055 WLIS - We Love Interval Signals relayed by CSIC 2035-2100* (Berg MA 3/14)

Company Store

Fred Kohlbrenner
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Philadelphia, PA 19142

Item	Price	Shipped to
NASWA 25th Anniversary Mug Commemorating NASWA's 25 years of exclusive SWBC coverage. Designed by John Herkimer.	\$8.00 \$9.00 \$12.00 \$18.00	USA Canada Europe Australia
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All items feature the NASWA Logo, in white, on a royal blue background. Sorry, only can be shipped to North America.. Price includes shipping.

Item	Size	Price
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	XXL, .XXXL, .XXXXL	\$30.00

Please make all checks payable to the NASWA Company Store

QSL SURVEY

2nd Edition, 1992
by Ravindranath G. Sewdien

The QSL SURVEY is divided into three parts.

Part 1: Analysis includes a statistical analysis of all the info included in the Received QSLs part. Results are given in table and graph formats with explanations of how to interpret and use them. Special emphasis is placed on return postage & enclosures. A table is provided for what return postage to use for each country separately as well as a global summary. This part gives you guidelines on what to do and what not to do, especially if the station you want to QSL is not covered in part 2 (new stations).

Part 2: Received QSLs concentrates on what was sent to the stations in order to receive a QSL. Items covered are: (station included only if at least one of these is available):

- If return postage was included, and if yes, what kind of and how much.
- Remarks on the postage on the envelope of the QSL; if the QSL was a no-data QSL, a partial-data QSL or not a QSL at all; if the items included with the report were used; in what language was the report written in?, etc.
- What special enclosures were sent to the station? For example: postcards, photographs, souvenirs, stickers, cassettes (taped reports), prepared QSLs, etc
- Were follow-ups needed? If yes, how many and during what time?

This part is very useful if you want to get a reply from a station, but do not know what to do. Each station is listed separately and there are also multiple entries for many stations. Compilation is in country/station order. There are 1467 entries.

Part 3: Verification Signers includes a list of 862 verification signers of shortwave stations around the world including all reported verification signers since mid-1988. The list is in country/station/date order and also mentioned are the assignment of the v/s within the station and the month when this v/s was reported for the last time. An analysis about the v/s functions is included as well.

There is a special introduction for beginners who are not familiar with things like writing to the v/s, sending additional enclosures, providing return postage, etc. In addition there is a how to use the QSL Survey for first time users.

**54 pages total. Available for US\$ 7.00 (cash) or 14 IRCs
airmail worldwide from:**

Ravin Sewdien, Bechaniestraat 58, Paramaribo, Suriname.

DX EDITORS: Please mention this in your publication. If possible can you send us a copy of the publication in which the announcement appeared? We need this for future mailings of announcements and sample copies. Thanks in advance!

*** NOTE: IF YOU DID NOT GET A SAMPLE COPY TOGETHER WITH THIS ANNOUNCEMENT, PLEASE SEND US US\$5.00 (CASH) OR 10 IRCs FOR A SAMPLE COPY, THIS IS FOR PRINTING, POSTAGE & ENVELOPE COSTS. CUT OUT THIS NOTE AND SEND IT TOGETHER WITH THE PAYMENT!

Ravin

the **CPRV** page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

Although QSL's from 1930's Italian station 2RO surface every once in a while, the station was not a particularly good verifier. The QSL at the bottom is from 1934, the one at the top 1936. Technically the call letters were 12RO, but, as with many stations in the early days of shortwave (including American stations), the prefix was often dropped. +++ CPRV concentrates on QSL's from broadcasting stations, SW and MW (amateur stations only in special cases). We are always happy to learn of individual QSL's, or entire collections, that are in need of a new home. Full information can be obtained for a business size SASE to the address shown above. Thanks are due the many DXers and their families who have shown us such strong support. 73 --

B

ROME SHORT-WAVE STATION 2RO

2RO-21.1 m. - 11810 mc.

1115 - 1140 C. T. (Mon-Fri) (except Sunday)
1130 - 1140 E. T. (Mon-Fri) (except Sunday)
1130 - 1140 W. T. (Mon-Fri) (except Sunday)
1130 - 1140 S. T. (Mon-Fri) (except Sunday)
1130 - 1140 M. T. (Mon-Fri) (except Sunday)
1130 - 1140 J. T. (Mon-Fri) (except Sunday)
1130 - 1140 K. T. (Mon-Fri) (except Sunday)
1130 - 1140 L. T. (Mon-Fri) (except Sunday)
1130 - 1140 N. T. (Mon-Fri) (except Sunday)
1130 - 1140 O. T. (Mon-Fri) (except Sunday)
1130 - 1140 P. T. (Mon-Fri) (except Sunday)
1130 - 1140 Q. T. (Mon-Fri) (except Sunday)
1130 - 1140 R. T. (Mon-Fri) (except Sunday)
1130 - 1140 S. T. (Mon-Fri) (except Sunday)
1130 - 1140 T. T. (Mon-Fri) (except Sunday)
1130 - 1140 U. T. (Mon-Fri) (except Sunday)
1130 - 1140 V. T. (Mon-Fri) (except Sunday)
1130 - 1140 W. T. (Mon-Fri) (except Sunday)
1130 - 1140 X. T. (Mon-Fri) (except Sunday)
1130 - 1140 Y. T. (Mon-Fri) (except Sunday)
1130 - 1140 Z. T. (Mon-Fri) (except Sunday)

E. I. A. R. PRESTITO NAZIONALE

ENTE ITALIANO AZIENDI RADIOFONICHE

SHORT-WAVE STATION 2RO

VIA MONTELLO 3

Dear Sir:

We are very pleased to verify your reception of the following transmission from our short-wave station 2RO 3 (year) 1936 (month) February (day) 7th (at) 22.00 (Central European Time)

Yours sincerely,

E. I. A. R.

ROME SHORT WAVE STATION 2RO

EASTERN STANDARD TIME

h. 2.30 - 5 p.m. every day 30.67 m. = 9780 Kc/s

h. 6 - 7.30 p.m. {
monday 49.30 m. = 6083 Kc/s
tuesday }
friday }

h. 7.45 - 9.15 p.m. {
monday 30.67 m. = 9780 Kc/s
tuesday }
friday }



E. I. A. R. ENTE ITALIANO AZIENDI RADIOFONICHE

ROMA
VIA MONTELLO 3
TEL. : EIARRADIO

Dear Sir:

This is to acknowledge receipt of your report of reception of station IRA PRATO SMERALDO = ROME and we are pleased to verify following data: year 34 month NOV day 26 E. S. T.

yours sincerely,

ilar

A Committee of the Association of North American Radio Clubs

English Schedules

Tom Sundstrom

P.O. Box 2275

Vincentown, NJ 08088-2275

MCI Mail 244-6376

Fax 609-859-3226

Pinelands RBBS 609-859-1910



Prepared 5/28/92 at 5:53 PM.

Thanks to Arnie Coro (RHC), John Carson (OK), A. Akad Cukurova (TRT), Dan Ferguson (VOA), Mike Fern (CA), Steve Forest (OH), Joe Hanton (PA), Ron Howard (CA), Lou Josephs (MA), Jonathan Marks (RN), Richard Meesham (BBC MS), Richard McVicar (HCJB), George Poppin (CA), Andy Sennitt (WRTH), and John Wilson (DE).

Notes

Typically, changes to the CIS states' stations were found out after we went to press last month. In several cases the frequency announcements were not updated or missing, but we found many in bandscans. R Havana dropped its 03-05 English to the Caribbean on 6180 as the 04 UT 11760 release was providing better coverage. The J92 Voice of Turkey schedule mailed to listeners did, in fact, contain a miscalculation on UT times; the correct times for English to NA are 22 and 03. John Wilson reports R Australia using new 17565 1430-1745 UT. Steve Forest reports R Ukraine Int'l best on 12040 at 00 UT. Steve, the station continues to announce the spring schedules. An HCJB schedule for May-August was posted to the BBS, but conflicts with what Rich McVicar provided a few days later. 21455 USB was to move to 17895 kHz, but that's been postponed until further notice. Hopefully Rich will update the HCJB schedule on DXPL as changes occur. John Carson sends corrections and updates to the May listings - some of those schedules arrived here a day or two we went to press - and notes SRI at 04 to Eu on 3985 is providing good service here in NA. John, at 04 SRI on 6165 to Eu gives RN via Bonaire a run for its money. John wonders why we list Radio Sweden's "DX show" as *Sweden Calling DX'ers* and not

Mediascan as it is announced on the air. The entry was based upon the bi-monthly electronic edition of *SCDX* that we receive directly from George Wood; we'll have to check further. Mike Fern relays from *RJ Media Roundup* that R Algeria is heard in Japan per the schedule we've listed since February, but I've no luck in hearing it in all these months. Mike says Chuck Roswell of TWR Bonaire is looking for cassette tapes of the CW interference to 11815 at 11-15 UT. Hopefully the tapes will help in tracking down the interference source. The *May India Calling* actually arrived in May; the DX show is now shown as a weekly program. Joe Hanton tells us of a late change of frequency for R Beijing to eNA to 15210 kHz at 12 UT, not published on the May 11 schedule sent us by Jonathan Marks. Jonathan also provides the transmitter sites for AWR Russia. Thanks to all!

We Get Letters...

Jon Klinedinst (PA) sends a belated note on the return of Radio Kuwait, and says the "column is the main reason why I continue to subscribe to the Journal." Thanks, Jon. Shawn Fahrer (NY) points out an "error" for the WCCR schedule in that I don't break out the Spanish language programming during the evening hours. Several USA broadcasters carry foreign language programming, but the timings often vary. I don't attempt to track it. Tom Kennedy (KY) questions the order of the listing of the DX shows. It seems Eric and I got our wires crossed. The listing should be in day, then show time order, and not grouped by country; it should be corrected now. By the way, Tom, your fax number doesn't work; I tried it for 6 hours that same day and evening before I gave up.

Tired of cutting and pasting the schedules in this column? Want to look up a schedule by country or by frequency? Have an IBM PC compatible computer with a fixed disk and a modem? The **English Language SWBC Schedules** program retrieves data by country or transmission start time, and loads frequencies into JRC or Kenwood receivers. A subscription to the data files through a telephone BBS keeps you updated, or you can keep up the data files yourself. A catalog is available for an business-size SASE to **TRS Consultants, PO Box 2275-NA, Vincentown, NJ 08088-2275**, or download the catalog from the **Pinelands RBBS at 609-859-1910**.

English Language Schedules

By Start Time, Changes Entered Between

4/26/92 and 5/28/92

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	0027	Czechoslovakia	R Czechoslovakia	11990	9580	7345						NA		5/13/92
0000	0100	Ukraine	R Ukraine Int'l	15580	15570	15355	12040	12000	11790	9770	9640	NA/Eu		5/7/92
0000	0100	Russia	R Moscow Int'l	21690	17685	17655	15560	15485	15385	12005	11780	World Service	#9 v Cuba	5/17/92
0000	0045	Bulgaria	R Sofia	15330	11720	11660						World Service: Eu/NA		5/14/92
0030	0430	Ecuador	HCJB	21455	15155	15115	9745					NA/SA	#1 USB #2 SA	5/15/92
0100	0130	Czechoslovakia	R Czechoslovakia	9580	7345	5930						NA		5/13/92
0100	0130	Uzbekistan	R Tashkent	11975								As		5/4/92
0100	0200	Russia	R Moscow Int'l	21790	21690	17685	15560	15470	15385	15290	15265	World Service	11850 & 11710 v Cuba	5/17/92
0130	0155	Finland	R Finland	15185	11755							NA	Sa -0145	5/15/92
0200	0300	Russia	R Moscow Int'l	21790	21690	17685	17655	15560	15470	15395	15290	World Service	11850 & 11710 v Cuba	5/17/92
0230	0300	Albania	R Tirana	11825	9580							NA	#1 v 11820-5	5/23/92
0250	0300	Armenia	R Yerevan	15580	11675							NA	News/Eng	5/24/92
0250	0315	Vatican State	Vatican Radio	11620	9605							NA		5/4/92
0255	0400	Netherlands Antilles	Trans World Radio	11930	9535							NA/Carib	#2 0300-	5/24/92
0300	0330	Czechoslovakia	R Czechoslovakia	11990	9810	7345						NA		5/13/92
0300	0330	Japan	R Japan	21610	17825	17810	15325	15230				GOS/NA/CALA/Asia	GOS #1, 2, 4 #4 Fr Gu	5/13/92
0300	0400	Russia	R Moscow Int'l	21790	21690	17685	17655	15590	15545	15255	15210	World Service	11850 & 11710 v Cuba	5/17/92
0300	0400	Cuba	R Havana	13700	11970							c&eNA/Caribbean	#1 -0430	5/2/92
0300	0430	Bulgaria	R Sofia	15160	11720	9850						World Service: NA/AF		5/14/92
0330	0400	Albania	R Tirana	11825	9580							NA	#1 v 11820-5	5/23/92
0400	0500	China	R Beijing	11840	11680							wNA/eNA	#1 Can #2 Fr Guinea	5/26/92
0400	0500	Cuba	R Havana	11970	11760							eNA		5/2/92
0400	0430	Czechoslovakia	R Czechoslovakia	15355	13715	11990	9810	7345				NA		5/13/92
0400	0430	Switzerland	Swiss R Int'l	13635	12035	9685	9535	6165	6135	3985		wNA/Eu		4/27/92
0430	0500	Russia	AWR Russia	15125								neEu		5/23/92
0500	0700	Ecuador	HCJB	21455	11925							NA		5/15/92
0600	0700	Italy	AWR Europe	7205								Eu/nA/ME	v Ekaterinoburg	4/27/92
0700	0830	Ecuador	HCJB	21455	15270	11730						Eu	#1 USB	5/23/92
0730	1130	Ecuador	HCJB	21455	11925	9745						Eu	#1 USB	5/15/92
0825	0855	Finland	R Finland	17800	15355							sPac	#1 USB	4/27/92
0900	1000	Italy	AWR Europe	7230								Aus/eAs		5/15/92
1100	1200	Australia	R Australia	21725	13605	11880	9580	9470	7240	6080	6020	As/Pac/Pap/NG		5/4/92
														4/27/92
														5/17/92

English Language DX Shows

By Day of Week

Changes Entered between 4/25/92 and 5/28/92

Compiled by Thomas R. Sundstrom, W2XQ

Day	Program	Xmsn Show 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	Radio Corner	0200	Taiwan	V of Free China	15345	11860	11740	9765	9680	5950					last Su/month	5/3/92
Sunday	DX Mailbag	0200	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5950					may start earlier	5/23/92
Sunday	DX World	0200	Hungary	R Budapest	11910	9835	6110								last Su/month	5/23/92
Sunday	Radio Corner	0300	Taiwan	V of Free China	15345	11745	9765	9680	5950							5/3/92
Sunday	DX Special	0400	Czechoslovakia	R Czechoslovakia	15355	13715	11990	9810	7345							5/23/92
Sunday	DX Spot	0500	Spain	R Exterior de Espana	9530											5/23/92
Sunday	AWR DX Program	0600	Italy	AWR Europe	7205										last Su/month	5/23/92
Sunday	Radio Corner	0700	Taiwan	V of Free China	5950											5/3/92
Sunday	AWR DX Program	0900	Italy	AWR Europe	7230											5/23/92
Sunday	World of Radio	1000	USA	WWCR/1	15690											5/15/92
Sunday	Radio Corner	2200	Taiwan	V of Free China	21720	17750									last Su/month	5/3/92
Monday	DXers Calling	1000	India	AIR	21735	17895	17387	15050								5/24/92
Monday	DXers Calling	1330	India	AIR	15120	11760	9665									5/24/92
Monday	DXers Calling	1745	India	AIR	15080	11935	11860	11620	9950	7412						5/24/92
Monday	DXers Calling	2045	India	AIR	15265	11715	11620	9950	9910	7412						5/24/92
Monday	For Radio Amateurs	2130	Lithuania	R Vilnius	9710											5/4/92
Monday	For Radio Amateurs	2300	Lithuania	R Vilnius	15580	13645	11780	9710	9675							5/4/92
Tuesday	Signals	1000	USA	WWCR/1	15690											4/28/92
Tuesday	DX News	2100	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92
Tuesday	DXers Calling	2245	India	AIR	17830	15145	15110	11745	9910							5/24/92
Wednesday	DX News	0200	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92
Wednesday	Ham Radio Today	0700	Ecuador	HCJB	21455	15270	11730									5/23/92
Wednesday	DX World	2100	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92
Thursday	DX Special	0000	Czechoslovakia	R Czechoslovakia	11990	9590	7345									5/23/92
Thursday	DX World	0200	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92
Thursday	DX Special	0300	Czechoslovakia	R Czechoslovakia	11990	9810	7345								may start earlier	5/23/92
Friday	DX Show	1630	Portugal	R Portugal	21515										fr-weekly	5/23/92
Friday	DX Show	2000	Portugal	R Portugal	11740										fr-weekly	5/23/92
Friday	DX Show	2100	Portugal	R Portugal	15250										fr-weekly	5/23/92
Friday	DX News	2100	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92
Saturday	DX Show	0230	Portugal	R Portugal	11840	9705	9600	9570							fr-weekly	5/23/92
Saturday	DX News	0200	Hungary	R Budapest	11910	9835	6110								may start earlier	5/23/92

Saturday	DX Party Line	0700	0735	Ecuador	HC-JB	21455	15270	11730	5/23/92
Saturday	DX Special	1800	1810	Czechoslovakia R	Czechoslovakia	9505	7345	6055	5/23/92
Saturday	DX Special	2100	2110	Czechoslovakia R	Czechoslovakia	9505	7345	6055	5/23/92
Saturday	DX World	2100	2150	Hungary	R Budapest	11910	9835	6110	5/23/92
Saturday	DX Special	2200	2210	Czechoslovakia R	Czechoslovakia	9505	7345	6055	5/23/92

may start earlier

North American Shortwave Association
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The Journal of the
North American Shortwave Association

ISSN 0160-1989

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The Company Store: Fred Kohlbrenner, 2641 S.
Shields St., Philadelphia, PA 19142

MEMBERSHIP FEES:

North America (First Class Mail)	\$25.00
Overseas (Air Mail):	
<i>Central America, Caribbean, Venezuela</i>	
<i>& Columbia</i>	\$29.00
<i>South America and Europe</i>	\$29.00
<i>Asia, Africa and Pacific</i>	\$32.00

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

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

