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NORTH AMERICAN SHORTWAVE ASSOCIATION

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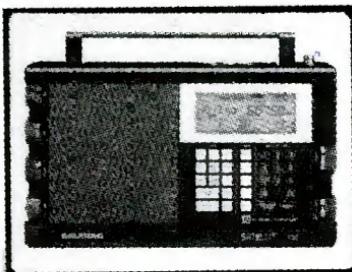
ARTHUR & RALDA CUSHEN

Monitor MORE with equipment from UNIVERSAL RADIO!

GRUNDIG

SATELLIT 500

The Grundig Company has drastically reduced the price of their famous Satellit 500. (This perhaps to make way for a new model expected later this summer). This beautiful sounding portable provides 1 kHz digital display. Other advanced features include synchronous detector, keypad entry, manual tuning, wide-narrow switch, Local-DX switch, station lock, 42 channel alpha-numeric memory with scan/search, plus separate bass and treble controls. Dual bandwidths help separate stations in crowded bands. Coverage includes LW, MW, SW and FM (stereo to ear jack). Separate LSB and USB buttons facilitate easy reception of SSB stations. External antenna, record, earphone and 12VDC jacks are provided. 110-127/220-240 AC 50/60 Hz or four D cells. 12"W x 7"H x 3"D. One year limited warranty.



Grundig Satellit 500 List \$749.95 Order #2153 **\$399.95 (+\$6)**

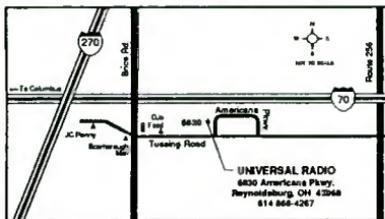
● DAYTON HAMVENTION April 24-26th.

Every year Dayton, Ohio hosts the largest radio convention in the world. If you plan to attend the Hamvention please visit the Universal booths (#476-479).

■ Universal Radio has moved!

NEW LOCATION: Universal Radio, Inc.
6830 Americana Pkwy.
Reynoldsburg, OH 43068

Universal Radio has moved four miles to its new expanded location. If you are in Central Ohio be sure to stop by our new facility. Our phone numbers and store hours remain the same.



Universal Radio ...
Serving Listeners Since 1942!

STORE HOURS

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

Visa, Mastercard or Discover card.
Prices & specifications subject to change.

DRAKE

R-8 RECEIVER



The new Drake R-8 is a microprocessor controlled, synthesized, all world band receiver offering excellent sensitivity, high dynamic range and other features for the most demanding listener. It has been designed as a "complete package." You get many items as standard equipment, that would be extra on other receivers. Multi-mode reception is featured throughout the range of the receiver (.1 to 30 MHz). A high-Q, 8-pole, electronically switched IF filter provides a range of five bandwidths. New "firmware" permits user selection of bandwidths independent of mode and 100 Hz resolution in AM. The front panel liquid crystal display provides visual feedback to the operator of the current status of the receiver. In the AM mode, a selectable synchronous detect (SYNCHRO) allows for enhanced reception by eliminating or reducing distortion due to fading signals. A Passband Offset control also aids in reducing eliminating interfering signals by electronically shifting the receiver's IF frequencies without disturbing the operating frequency. Other reception aids include selectable AGC, wide/narrow noise blanking, RF preamplifier and enhancing weak signals, RF attenuator for further improvement of strong signal handling capabilities and an adjustable RF gain. A Notch filter is also supplied as an effective tool to eliminate offending tones (heterodynes). The R-8 provides exceptional audio to the built-in speaker.

Two VFOs (tuners) called A and B, are provided on the R-8. Selection is made with the VFO function key. Frequencies can be directly entered through the keypad. A programmable memory area allows for 100 non-volatile memory segmented into blocks of ten. The memories store: frequency, mode, bandwidth, AGC setting, RF setting, antenna, notch on/off, noise blank setting and synchronous detector on/off. As a result of 3 scan methods at three scan modes; nine distinct scan functions are supported in the R-8. The three methods are: Stop at carrier detect, Pause 5 seconds on carrier at Pause at carrier until carrier drops for 5 seconds, then resume scan. The modes are: Scan all memories, Scan all unlocked memories of user-select list and Scan from VFO A to B. A 24 hour clock-timer allows the R-8 to turn on and off at preset times. An RS-232C port is also supplied. For performance and features, the American-made R-8 is absolutely state-of-the-art!

- ◆ Drake R-8 Receiver Order #0008 **\$959.95 (+\$11)**
- ◆ Drake VHF Internal Converter Order #0076 **\$189.95 (+\$3)**
This user installable, internally mounted, converter receives from 35 to 174 MHz and 100 to 174 MHz in all modes with full frequency display. SO-2 antenna jack. For Drake R-8 only.
- ◆ Drake MS-8 Speaker Order #2846 **\$48.95 (+\$3)**
Add this matching speaker for improved fidelity and clarity
- ◆ Drake Control Software Expected early 1992. Price unknown

◆ **HUGE CATALOG** ◆
Our new 100 page catalog is bigger than ever, with everything that is new for the listener, ham or scanner enthusiast Available FREE by fourth class mail or for \$1 by first class mail.



Universal Radio, Inc.
6830 Americana Pkwy
Reynoldsburg, Ohio
43068 U.S.A.

800 431-3939 Orders
614 866-4267 Information
614 866-2339 Facsimile

NASWA Notes

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



The smiling couple on this month's cover are Arthur and Ralda Cushen of Invercargill, New Zealand. Arthur was recently honored by ANARC with the International DXer of the Year Award for 1992. If you are a regular listener to Media Network on Radio Netherland you have heard Arthur's reports. Now you can match a face with that voice. Congratulations to Arthur on the award.

NASWA's own Jerry Berg won the honors of North American Shortwave Broadcast DXer of the Year. The ANARC Report that appeared in these pages last month summarized Jerry's achievements which earned him the award. I've had the pleasure of meeting Jerry personally on various occasions and besides being a great guy, I find that I always learn something new about the hobby from him. Jerry serves on NASWA's Executive Council and is a regular contributor within these pages. On behalf of all of us in NASWA - Congratulations Jerry!

Notice Please

It's possible that the June NASWA *Journal* will be a few days late. Publisher Bill Oliver is taking a trip to Bowling Green, KY during the last two weeks in May and the material for the June *Journal* will be gathered and taken to the printer by the Executive Staff. (Oh no...Bill's not doin' it and he's leaving it with these guys??!!) If all goes well, there might not be any delay at all, but we suggest that you wait until at least June 15 before inquiring about missing bulletins for June.

While on the subject, we'd like to review the *Journal's* mailing schedule. Mailing is normally done on the first Friday of the month. In certain months, this can be even a week earlier. In any case, please do not write about late bulletins for at least a week after the first Friday. We've heard all the horror stories about late delivery, but all the *Journals* are mailed at the same time from the

Levittown post office. From there they go to the distribution center in Philadelphia for processing. To illustrate what can happen, recently a *Journal* took eight days to get to a member in Philadelphia from the distribution center! Your publishing team never misses our deadline so if your *Journal* arrives late it's a result of a snag in the US Postal system.

New Librarian

I'm pleased to announce that Jerry Ervine of Hidalgo, TX will be our new editor for Listener's Library. Jerry served NASWA for many years as a Log Report editor and it's great to have him back as an editor. We met Jerry at this year's Winter SWL Fest and he told me about how he'd like to get involved again working for NASWA. It didn't take much arm twisting at all to get him interested in Listener's Library! As with all our editors, the success of his column is directly related to inputs received for it from YOU. If you've found a book related to the hobby please write up something about it and send it to Jerry. All notices about new books and publications, book reviews, questions about publications, etc. should be sent to Jerry at P.O. Box 5204, Hidalgo, TX 78557. Welcome back Jerry!

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 - "Unity and Friendship"

Radio Friends

John Norfolk of Oklahoma City, OK sent me a press release about a new non-profit, educational project of the W5YI Group Inc. called RADIO FRIENDS. RADIO FRIENDS will be a weekly, professionally produced nationally syndicated television series on hobby radio. Currently in its pre-production stage, the program will be a high-quality, fast paced, educational and informational 30 minute weekly television series that focuses on all aspects of the radio hobby. The program, by design, will not focus on topics such as technical equipment specifications, but on the contrary will, through stories of human interest, drama and humor, attempt to demystify our hobby. The program will target a broad audience from ages 10-90, with specific segments geared to the young and old.

Drawing on some of the strongest elements of programs such as "Mr. Wizard", "Real People", "Beyond 2000" and "America's Funniest Home Videos", the producers will mix an abundance of amateur videos with high quality professionally produced studio and remote location segments. The program will utilize the talents of numerous well-known amateurs, celebrities and outstanding personalities as they relate their experiences, interest, commentary and expertise in featured and regular program segments.

Various segments of RADIO FRIENDS will feature: Radio Friends, interviews with

hams and hobbyists as real people; Radio Funnies, stories and dramatic re-enactments of humorous happenings and situations; Radio Firsts, historical stories tracing milestones of great radio pioneers such as Edison, Marconi, etc.; Radio Fanatics, need we say more?; Radio Fundamentals, a non-technical primer on basic concepts of radio that can be understood by everyone, such as how receivers work; Radio Features, a non-technical product review; Radio Future, a "Beyond-2000" look at the state of the art and a peek into the future of radio technology and things to come; Radio Flashback, a glance back at the historic development of radio; Radio Frequencies, for SWL enthusiasts to monitor; and finally Radio Focus, an editorial comment on relevant current issues relating to hobby radio. These represent only a few of the many interesting, informational and educational segments that are being developed by the producers.

The success of a program of this magnitude will no doubt cause a tremendous interest in amateur radio and produce heretofore unprecedented opportunities for public service, public relations and equipment, not to mention the commercial advertising incentive to dealers, manufacturers, retailers and publishers that has never existed for them on this scale. The producers are actively seeking radio enthusiasts and amateurs who are genuinely interested in promoting the hobby, that are willing to participate or otherwise provide needed resources such as talents and

Calendar Of Events

- May 15** - 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).
- May 15** - Meeting, Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- May 15-16** The Third Annual "Conrad Family Reunion" (A.K.A. "Radio Retreat") at the River View Hotel, 1015 & 1016 River Rd., Wisconsin Dells, Wis. SASE to Jim Conrad, 545 Kirkwood Ave., Waterloo, IA 50701 for complete info.
- May 19** - 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

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

services. We are looking for attorneys, TV production technicians, independent producers, production facilities, researchers, writers, volunteers, access to film and video tape archives, as well as fundraisers and individuals and organizations interested in helping financially. RADIO FRIENDS is seeking non-profit educational status under the US IRS code. For further information about this new amateur radio weekly television program, contact the W5YI Group, 2000 E. Rancell Mill Road, Arlington, TX, 76011. Phone 804-239-3752; Fax 804-239-4740.

It's Hamfest Time!

It's been mentioned many times in *The Journal* that one of the best places to get just about anything you need to support the hardware side of our hobby is at a hamfest. The radio and electronics flea markets at these events can become very addicting for the

radio junkie. I found a file on one of the computer BBS's that contains a schedule of upcoming hamfests across the country. Listed here are hamfests listed for the next month. and I'll continue this until fall. If you would like a copy of the entire list, send me 2 stamps and I'll send you the printout.

Listed are the the date, sponsoring organization, and the name and address of the person in charge to write for exact location information. You might try getting their phone number from information and calling rather than writing.

Inputs Please

As Radio Netherlands says - "Please send us input on our output" What do you like or dislike? Contribute something! All our editors need your contributions. What can YOU share with your fellow NASWA members?

-
- May 10 Medina M2M Group, Medina, OH, Janet Miller, 620 Oak St., Medina, OH 44256
 - May 15-17 Atlantic Div./NY State Convention, Rochester, NY, Harold Smith, K2HC, 153 Mason Ave., Rochester, NY 14626
 - May 16 Lewis & Clark RC, Godfrey, IL, Harold Elmore, KC9GL, 5203 Dixon Dr., Godfrey, IL 62035
 - May 16 Keno ARC, Klamath Falls, OR; Dick Switzer, KB7DWX, Box 296, Keno, OR 97627
 - May 16 Roanoke Valley ARC, Vinton, VA; Doug Moore, K4WVS, 727 Shelbourne Ave., Vinton, VA 24179
 - May 16 Ephrata Area Repeater Inc., Ephrata, PA; Mary Hamill, N3EPT, 435 Netzley Dr., Denver, PA 17517
 - May 16 Maine State Convention, Yarmouth, ME; Jeff Weinstein, K1JW, PO Box 646, Yarmouth, ME 04096
 - May 17 Triple States ARC, Wheeling, WV; Ralph McDonough, K8AN, Box 240, RD 1, Adena, OH 43901
 - May 17 Kankakee ARS, Peotone, IL; Frank DalCanton, KA9PWW, 117 Kristina Dr., Bourbonnais, IL 60914
 - May 17 Warminster ARC, Wrightstown, PA; Mark Kempisty, N3GNW, 3854 Moosewood Ave., Trevoise, PA 19047
 - May 17 Fenton Area ARA & Ben Sherman ARC, Holly, MI; Carol Stadler, N8HPS, 3076 Bay View Dr., Fenton, MI 48430
 - May 15-17 West Coast VHF Conference, Ventura, CA; Jim Sharlow, WB2ODH, 10552 Andasol Ave., Granada Hills, CA 91344
 - May 16-17 Southeastern Division Convention, Birmingham, AL; Jerry Womble, WA4OIN, 432 Argonne Dr., Birmingham, AL 35215
 - May 17 MIT Radio & Electronics Society, Cambridge, MA; Steve Finberg, W1GSL, PO Box 82, Cambridge, MA 02139
 - May 17 Lorain County ARA, Oberlin, OH; Dave Kifer, 5075 Javcox Rd., N Ridgeville, OH 44039
 - May 17 Hall of Science, Corona, NY; Arnie Schiffman, WB2YXB, 81-22 250 St., Bellerose, NY 11426
 - May 22-23 Midwest Division Convention, So. Sioux City, NE; R.W. Pitner, W0/FZO, 2931 Pierce St., Sioux City, IA 51104
 - May 23 Durham F.M. Assoc., Durham, NC; Edwin Lappi, WD4LOO, 203 Lynn Dr., Carrboro, NC 27510
 - May 23-24 Casper ARC, Casper, WY; Warren Morton, WS7W, 1341 Trojan Dr., Casper, WY 82609

- May 23-24 Washington State Convention, Yakima, WA; Dick Umberger, N7HHU, 1511-B Tieton Dr., Yakima, WA 98902
- May 23-24 Green Country Hamfest Assoc., Tulsa, OK; Merlin Griffin, WB5OSM, 5332 S Irvington Ave., Tulsa, OK 74135
- May 24 Twenty Over Nine ARC, Canfield, OH; Tim Stanton, N8MGQ, 440 Fairground Blvd., #43, Canfield, OH 44406
- May 24 Down East Hamfest, Kinston, NC; Jean DuPree, KB4OHX, 212 E Capitola Ave., Kinston, NC 28501
- May 29-31 PHD ARC, Kansas City, MO; Chuck Miller, WA0/KUH, P O Box 11, Liberty, MO 64068
- May 31 Tri-State ARS, Evansville, IN; Lisa Clements, KA9VLV, 520 E Illinois, Evansville, IN 47711
- May 31 Jackson ARC, Ripley, WV; Robert Dehart, KF8AR, Rt 3, Box 229, Ripley, WV 25271
- June 5-7 West Gulf Division Convention, Arlington, TX; John Fleet, WA5OHG, Box 25028, Dallas, TX 75225
- June 6 Tennessee State Convention, Knoxville, TN; L.B. Cebik, W4RNL, 1434 High Mesa Dr., Knoxville, TN 37938
- June 6 Hudson Division Convention, Teaneck, NJ; Anthony Izzo, WA2INW, 759 Kinder Kanack Rd., River Edge, NJ 07761
- June 6 Athens ARC, Athens, GA; Joe Londeree, KC3EJY, 125 Providence RD., Athens, GA 30606
- June 6 Rome Radio Club, Rome, NY; Daniel Bateman, KE2SM, Box 116 Peck Rd R D 1, Waterville, NY 13480
- June 6 Pittsburg Repeater Inc., Pittsburg, KS; Carl Gilmore, K6KIF, 510 W 8th St., Pittsburg, KS 66762
- June 7 Tamaqua Transmitting Society, Tamaqua, PA; Allen Breiner Sr., W3TI, 212 Race St., Tamaqua, PA 18252
- June 7 Breezeshooters ARC, Butler, PA; H. Rey Whanger, W3BIS, Box 8, RD #2, Cove Run Rd., Cheswick, PA 15042
- June 7 Ole Virginia Hams ARC, Manassas, VA; Kenneth Moan, KM4UH, 12019 Bradley Forest Rd., Manassas, VA 22111
- June 7 Starved Rock ARC, Princeton, IL; Debbie Burton, N9DRU, 1153 Union St., Marseilles, IL 61341-1710
- June 7 Chelsea ARC, Chelsea, MI; William Altenberndt, 3268 Essingham, Jackson, MI 49201
- June 7 Newington Amateur Radio League, Newington, CT; Steve Ewald, WV1X, %ARRL

Welcome to the following new NASWA members -

- | | |
|---|---|
| David L. Beadner , Burke, VA | Steve C. Martin , Garden Valley, CA |
| Leo Belfon , Brooklyn, NY | Lillian Shaw McLaurin , Richmond, VA |
| Jim Briggs , Mt. Laurel, NJ | James F. Meek , Houston, TX |
| Michael C. Coffin , Arnold, MD | Thomas A. Meyers , Lawrenceville, NJ |
| David Lee Colglazier , Brimfield, MA | Chris Michael , Greeley, CO |
| B. Cooley , Victoria, BC, CANADA | Mark Mirand , Buffalo, NY |
| Robert J. Courchalne , Chassell, MI | Joel H. Mumford , Hingham, MA |
| Reuben Dagold , Baltimore, MD | Joseph W. Naulty , Haddonfield, NJ |
| E. Davenport , Norristown, PA | Fr. Ed Newbury , Gordon, NE |
| Paul R. Doerr , Schenectady, NY | Robert Olivo , Las Vegas, NV |
| Florida Worldwide Citrus , Bradenton, FL | Ryo Ogawa , Shimane, JAPAN |
| Michael E. Foster , Tappahannock, VA | Neil E. Rice , Marstons Mills, MA |
| Mike Garber , Blodgett Mills, NY | James L. Richardson , Littleton, CO |
| Donald K. George , West Columbia, SC | Samuel S. Rogers , Dallas, TX |
| Walter B. Hamilton , Ft. Worth, TX | Louis M. Rosner , Rockville Centre, NY |
| Jonathan Horn , New York, NY | Z. T. Segan , Oak Park, IL |
| Mark R. Hudson , Greenwich, CT | Stephen Smith , Glenn Heights, TX |
| Tom Kennedy , Louisville, KY | Subhash Swaroop , Huntington Beach, CA |
| Stephan G. Lowman , Miami, FL | Fred Theise , Forest Hills, NY |
| Dean L. Lutz , Ephrata, PA | Craig Tyson , Hamersley, WA, AUSTRALIA |
| Tongchai Madith , Lake Charles, LA | J. Yoho , St. Petersburg, FL |
| Bruce W. Marlow , Shaker Heights, OH | |

- 225 Main st., Newington, CT 06111
- June 7 Central Kansas ARC, Salina, KS; Donald Fitzgerald, 2352 N 5th St., Salina, KS 67401
- June 12-14 Northwestern Division Convention, Seaside, OR; Randy Stimson, KZ7T, 9890 SW Inglewood, Portland, OR 97225
- June 13 Forsyth ARC, Winston-Salem, NC; Jim Rodgers, N1DRI, 3909 Wayne St., Winston-Salem, NC 27104
- June 13 Central Missouri Radio Assoc., Columbia, MO; Wayland McKenzie, K4CHS, 8000 S. Barry Rd., Columbia, MO 65201
- June 13 Pine State ARC, Bangor, ME; Roger Dole, KA1TKS, RR2, Box 730, Bangor, ME 04401
- June 13 Raritan Valley RC, Warren, NJ; Bill Clegg, 10 School St., Green Brook, NJ 08812
- June 14 Six Meter Club of Chicago, Willow Springs, IL; Joseph Gutwein, WA9RIJ, 7109 Blackburn Ave., Downers Grove, IL 60516
- June 14 Lancaster ARC, Lancaster, NY; Nick Mueller, WA2CJJ, 5645 Genesee St., Lancaster, NY 14086
- June 14 Muncie ARC, Muncie, IN; Robert Osborne, KB9HFJ, 3119 W. Petty, Muncie, IN 42304
- June 14 Northern Kentucky ARC, Erlanger, KY; Robert Bloches, N8JMV, 2431 Alexandria Pike, Highland Heights, KY 41076
- June 14 Goodyear ARC, Suffield, OH; Dave Wilson, N8KVD, 1906 Briarwood St., Louisville, OH 44641

Musings

Jerry Berg, 38 Eastern Ave., Lexington, MA 02173

Sometimes you see comments about the difficulty of obtaining radio tubes. While it is true that it's not as easy as just going down to the Radio Shack, finding tubes is not that hard. If you're thinking about buying a hollow state radio, don't worry about the tubes.

There are basically three ways to find tubes. First: Call your local radio or TV repair shop. You'd be surprised at what some of these folks have right on site, especially if they've been in business for a while.

If that doesn't work, and you can't wait, order by mail or phone from one of the antique radio supply houses. Most of their tubes are "N.O.S.," i.e. New Old Stock, meaning they are old in terms of date of manufacture, but unused. There are a number of such companies. Among them:

Antique Radio Supply, 6221 S. Maple Ave., Tempe, AZ 85283

602/820-5411 (FAX 602/820-4643);

Vintage TV & Radio, 3498 West 105 St., Cleveland, OH 44111

216/671-6712 (FAX 216/251-1617);

Play Things of Past, 3552 West 105th, Cleveland, OH 44133

216/582-3094 (a smaller selection but has some very old tubes; also has used tubes)

Electron Tube Enterprises, Box 8311, Essex, VT 05451

802/879-0611 (FAX 802/879-7764) (over 2,000 different types of tubes in stock).

All these companies have catalogs. There are also numerous advertisements for tubes and all kinds of other antique radio parts in the excellent monthly publication, "Antique Radio Classified" (see "Listener's Library," April issue of the Journal). A.R.C.'s address is P.O. Box 2, Carlisle, MA 01741, 508/371-0512 (annual sub is \$40 first class mail, \$27 second class, sample issue free on request).

A comparison of prices for some common tubes (new), plus the R390A's unusually expensive 3TF7 ballast tube, from these outlets:

	6BA6	12BA6	6AQ5	3TF7
Antique Radio	\$3.27	\$3.50	\$3.77	\$30.00
Vintage TV	\$3.25	\$3.50	\$3.50	N/A
Play Things	\$2.40	\$2.90	N/A	N/A
Electron Tube	\$2.50	\$3.00	\$3.00	\$24.00

Finally, if time is not of the essence, or you just want to "stock up" on some extras, check out the ham fests or the antique radio flea markets (A.R.C. has a complete, running list of the latter). Tubes can often be found there at bargain prices.

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 Schmid tells us how some detective work can help track down and eliminate pesky local interference. Rich D' Angelo presents this months DX Target - Radio Libertad. **Attention NASWA Members - The Well Is Running Dry!** 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.

ticked off...

by John Schmid

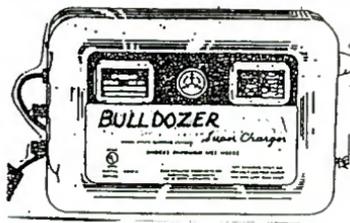
TICK... TICK... TICK... TICK... I'm not sure exactly when it started. I first noticed it in early November of 1991. Intermittently, here today - gone tomorrow. But soon it was constant - 24 hours a day - and DXing, as I had known it, had been rudely interrupted. The IT I speak of was a ticking sound, at one second intervals (sometimes almost in synch with WWV), overriding all but the strongest signals, from about 700 kHz past 17 mHz.

My first thought was that the digital clock on my trusty FRG7000 had gone wild. I unplugged the set and turned to my Panasonic RF-085 portable. With the whip antenna down and set to the SW1 position (2.3 to 5.5 mhz), the tick was loud and clear. An investigation inside the house found nothing unusual. Outside was another story- the tick was everywhere and I couldn't tell from what direction!

I called NASWA Executive Director Bob Brown to see if he was hearing it (he lives about 3 miles south of me). He wasn't but suggested I contact the power company. A phone call to Philadelphia Electric brought an almost immediate response. Later that morning a technician from the PE Co. was on the scene to investigate.

The tick continued... when a week later the PE Co. tech called with news. He had heard the tick almost a mile away from my home, couldn't pinpoint the location, but was sure it was coming from an electric fence! Most of the electric fences in this area consist of a single strand

The Culprit...



Overpowered...

of about 14 ga. steel wire, usually run along on metal stakes or an existing wooden fence, attached to the posts with plastic or ceramic insulators and powered by a 'fence charger'. They are used to pen in large farm animals. As a lineman for the phone company, I've had a few close encounters with these things while running new lines through farm fields and I can attest that they do pack a wallop!

Armed with my RF-085, I set out in my car, every afternoon after work, until dark, talking with local farmers, checking fences, and looking for clues. On weekends I scoured the neighborhood on foot - the tick was still everywhere until ...

The Victims...



Suffered QRN...



**Held against
his will ...**

The date: Sunday, Dec. 22, 1991

The scene: A muddy cornfield across the road from my house.

Away from the power lines and buildings I was finally able to establish a definite direction the tick was coming from. I trudged about 1/2 mile through the mud and wound up at a rather broken down looking farm that sat about 1/4 mile off the road. I was sort of leery about approaching the place and felt sure someone would set the dogs on me or welcome me with a shotgun, but the place appeared deserted. The resident

at the farmhouse told me she only rented the house, didn't know anything about electric fences, but gave me the name of a local company that leased the farm to raise cattle. Since nobody seemed to care that I was on the property, I decided to have a look around.

Attached to the barn was a small corral holding about a half dozen steer (future hamburger, I think), and an ELECTRIC FENCE WIRE! The radio ticked louder than ever. I followed the wire around the corral and manure pile and into the barn. On the wall was the fence charger. I pulled the plug - the ticking stopped! EUREKA! Little did I know this was only the beginning.

After a few phone calls I arranged a meeting with the leasor at the farm the following Saturday. Due to my good nature, I will refer to this fellow as a 'gentleman farmer' (a real know-it-all too!). After I explained the problem, he made a hasty walk around the fence and declared it in perfect working condition. I disagreed with his assessment, but I think I might have gotten better results talking to the steers than I did arguing with this guy. His attitude was - your radio must be at fault, too bad!

My next move was to contact the FCC office in Langhorne, PA. They were most helpful and immediately sent out a somewhat threatening letter making reference to FCC rule Sec. 15.25 concerning harmful interference from 'incidental radiation devices'. Luckily, I arrived at a permanent solution and didn't have to pursue the FCC complaint.

The Final Solution

My problem was solved with the help of the fence charger manufacturer 'Electro Line Products' of Rochester, MN. These guys were great! Their first question was about the ground system on the charger. The one in use at the farm was next to worthless - a piece of fence wire wrapped around the electric conduit (a real haphazard job). The company suggested one or more 8 ft. ground rods, connected to the charger with heavy gauge wire.

Due to the uncooperative nature of the 'farmer', I decided to do the job myself. Poor soil conditions forced me to use three 4 ft. ground rods. These were connected to the charger with a length of #6 insulated copper wire. The result was about a 20% reduction in the strength of the tick.

I called Electro Line Products again. This time they sent me (at no charge!) a Voltage Reducer. It looked like a 5 inch long piece of rubber coated wire with two resistors in the center. It reduces voltage from 12,000 volts (enough to power a fence 25 miles long!) to 6000 volts. (The fence at this farm was about 250 feet long.) It connects between the fence line lug and the ground lug on the charger. Total installation time: about 30 seconds. The result: Complete success! The tick is GONE.

In those few weeks, I learned more about electric fences than I ever cared to know, but I'll be glad to share my newly acquired knowledge and sources of information with anyone interested. Contact me at P.O. Box 86, Line Lexington, PA 18932. ... 73

DX Target



Radio Libertad A New Voice From Bolivia

By Richard A. D'Angelo

During July, mysterious test announcements were being heard by DXers around the world on 5,004.7 kHz, the former channel of Bolivia's Radiodifusora Cristal. Apparently, a new station was being heard on shortwave with announcements such as "Con musica, noticias, y mucho mas, aqui esta Libertad". This new station has proven to be quite popular with DXers because of its Latin American music format and a friendly relaxed style in replies to listener reception reports.

Bolivia

Located near the center of South America, Bolivia lacks a seacoast and has great natural barriers to transportation. In western Bolivia, the majestic snow capped Andes Mountains surround a high, dry plateau. A vast lowland plain spreads over the north and east. Tropical rain forests thrive in the northern part of the plain, and grasslands and swamps sprawl across much of the east. Largely hilly country lies between the Andes Mountains and the lowland plain.

Most Bolivians are of Indian or mixed Spanish and Indian ancestry. More than half the country's nearly 7 million people live in rural areas. Most Bolivians are desperately poor, and many adults can not read or write. The country is rich in natural resources and is a leading producer of tin. However, frequent wars and revolutions have hampered the country's economic growth. Consequently, Bolivia remains a developing country with one of the lowest standards of living in the Western Hemisphere.

Bolivia has three official languages - Spanish, Aymara and Quechua. About one-third of the people speak Spanish. Most Bolivians speak an Indian language with Aymara and Quechua being the most common. Frequently, Bolivian stations will broadcast programs in Spanish and various Indian languages.

Communications in Bolivia

There are approximately fifteen (15) daily newspapers published in the country. There is an average of about one (1) radio for every two people and one (1) television for every twenty

(20) people. Telephone and telegraph systems link the major cities.

Although medium wave is used throughout much of Bolivia, shortwave broadcasting is still very popular in this country. The 1991 edition of the World Radio Television Handbook (WRTH) lists over seventy (70) different stations operating on shortwave in Bolivia. Remember, this is a country of only 7 million people! Unfortunately, many of these stations are currently inactive or operating on very low power, making reception of broadcasts from this region a serious DX challenge to the shortwave listener.

The many remote regions of the country will continue to require broadcasters in Bolivia to use shortwave in order to reach the people located outside the major cities. Generally speaking, shortwave broadcast stations in Bolivia fall into one of three categories - commercial, religious or miners' stations. One of the best sources of more information on broadcasting in Bolivia is available in the current edition of PROCEEDINGS 1991 published by Fine Tuning's Special Publications group. "Shortwave Broadcasting In Bolivia, a Geopolitical Perspective" by Kevin Atkins is essential reading. Check back issues of the Journal for price information or send a stamped, self-addressed envelope (SASE) to Fine Tuning Special Publications, RRT #5, Box 14, Stillwater, OK 74074 USA and ask for their PROCEEDINGS information sheet.

The Station

Radio Libertad purchased the shortwave and medium wave outlets of Radiodifusora Cristal in the middle of May 1991. The station operates on 5,005 kHz with five (5) kilowatts of power. Future plans call for an increase in power on shortwave so that listeners outside La Paz can hear them better. The medium wave channel is on 790 kHz. Tests began in June on shortwave while the medium wave channel remained silent. The station was officially inaugurated on July 15 with a big party attended by over 200 guests, including Bolivian government officials and foreign diplomats. Radio Libertad employs fifty-two (52) in executive, administrative and

technical capabilities. The Gerente - General is Jose Serrate and the Director is Jaime Rivero. Programming consists of musica y noticias - music and news. The station opens its broadcast



day at 1100 UTC and closes at 0400 UTC every day but Saturday when it closes at 0500 UTC. The shortwave programs are now in parallel to the medium wave outlet on 790 kHz. Generally, the station gives a full identification at the top of the hour and every fifteen (15) minutes thereafter.

Radio Libertad has proven to be an excellent replier to listener reception reports during its first few months of operation. In fact, the station has been encouraging reception reports on the air.

Responses have been relatively prompt with pennants and station stickers enclosed with most replies. Verification signer Carmina Ortiz H., Jefe de Publicidad y RRRP uses a word processor to prepare her replies. Spanish language reception reports with return postage in the form of Bolivian mint stamps or US \$1.00 should result in a friendly reply in only two to three months. You can reach the station at:

Radio Libertad
Casilla 5324
La Paz
Bolivia

For those in a rush, the station can be contacted by phone at 365154 or by fax at 391995. However, enclosing return postage by those methods is difficult to accomplish. I recommend sticking to the traditional letter route.

Good luck with this DX target. Remember to send all those logs of Radio Libertad to Sheryl Paszkiewicz for inclusion in the Tropical Band log report column and those friendly QSLs to Sam Barto for his QSL Report column.

Hardware Bits

by Alan Johnson

KIWA FILTER MODULES - I've received detailed information on the KIWA filter mods for the Sony ICF-2010 as well as their 455 kHz filter modules. For the Sony there is the LFH-4S filter, which is a drop-in replacement for the 2010's wide filter, offering a bandwidth of 8 kHz (@ -6 dB) with a shape factor of 1.6. The FM 3.5/S is a module that replaces the 2010's narrow filter (but is not a drop-in replacement - it is a module that fits inside the case and is connected to the circuit board via miniature coax). Its -6 dB bandwidth is 3.5 kHz with a 1.65 shape factor. The stock bandwidths are 9.4 and 4.3 kHz with shape factors of 1.9 and 2.4, respectively, according to the Radio Database International White Paper on the 2010 (the curves furnished by KIWA for the stock 2010 filters are somewhat wider - approximately 12 and 5 kHz @ -6 dB). The prices are \$14 for the LFH-4S and \$44 for the FM 3.5/S (shipping included).

KIWA also offers a series of filter modules to improve the selectivity of any transistorized receiver with a 455 kHz IF. Finally there's hope for that Radio Shack DX-160 in the closet! The modules will not work with tube receivers due to the higher voltages in such radios. The following -6 dB bandwidths are available: 6.0, 5.5, 5.0, 4.5, 4.0 and 3.5 kHz. A bandwidth of 3.0 kHz may be obtained by cascading 3.0 and 4.0 modules and a 2.8 kHz bandwidth results from cascading two 3.0 modules. Wider bandwidths are available on request. The shape factor is typically 1.8 or better. The module dimensions are 0.9 inch (w) x 1.9 inch (l) x .75 inch (h). Power required is 4.5 to 36 volts DC (10-12 volts optimal). Current drain is specified as "very little". Each module contains three ceramic filters and an input and output buffer amplifier. These buffer amps eliminate the need for impedance matching of the filter modules to the IF circuitry and yield a zero dB insertion loss. There may actually be some signal gain, depending on the receiver. These modules are little "black boxes" with a power and ground lead and miniature coaxial cables for signal input and output. Velcro pads are included to mount the modules within the receiver. They are \$40.00 each, with an additional \$4.00 for shipping.

All of these products require installation, the difficulty of which will vary with the receiver being modified. KIWA does not provide an installation service. If you are not experienced with using a low-wattage soldering iron on printed circuit boards, you'd be better off finding an experienced person to perform the mods. Some experience with circuit tracing/schematic reading is also advisable. KIWA can be reached at 612 South 14th. Ave., Yakima, WA 98902 (509-453-KIWA). I should have a hands-on report on one of the filter modules in the next issue of the JOURNAL.

Easy Listening

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MCI Mail 375-4854
CompuServe 71207,1604
Prodigy NCHT70A

All India Radio

In the past, I've hesitated considering All India Radio (AIR) an "Easy Listening" target. During the winter months, propagation of the 2045 broadcast was reasonably good, but the signal was rarely of rocking chair quality. AIR's startup of higher power transmitters prompts me to reconsider my past reticence and mention them here in the column.

The steadiest broadcast continues to be the 2045-2230 UTC broadcast on 11620 kHz. A recent sampling found the programming to be similar in character to prior loggings - news, press review, and commentary, spiced with a significant amount of Indian folk music. This should appeal to NASWANs looking for music as well as news.

News coverage focuses on those stories affecting India and its neighbors. The current governmental instability in Afghanistan is one of the hottest topics; India's geographic proximity to China and the Asian republics of the former Soviet Union result in an emphasis on stories from this area.

The 2045 broadcast opens with a Press Review, a genre of program I always find interesting. Press Reviews provide a window on those news stories of interest to newspaper readers - a domestic audience - versus an ordering of news stories for a foreign audience.

If you enjoy Indian music, or are looking for another perspective on world affairs, give a listen - 11620 kHz from 2045 to 2230 UTC is probably the best frequency this time of year.

Radio Netherlands

As promised, Radio Netherlands has begun a semi-annual English language newsletter, entitled "On Target," replacing their former program and frequency schedule mailing. The first issue includes a large color photo of the *Newsline* team. Radio Netherlands' English language schedule has been significantly rearranged, with four three-hour broadcasts targeted to the Pacific, South/East Asia, Africa, and South Asia. Stealing a page from the *Voice of Free China*, the first and third hours will contain the same feature

programs, with the second hour featuring a different rotation.

Broadcast times to North America are not affected, remaining 0030 and 0330. One new program, heard only in the Sunday 0330 release, is **East of Edam**. This is a mix of Dutch and international stories, music, and conversation, interspersed with book reviews and interviews with artists, musicians, and authors. The Sunday 0030 release features **Sounds Interesting**, Radio Netherlands' listener contact program. The Monday North American releases now have a five-minute news bulletin leading off, with **Happy Station** now beginning at 0035/0335.

The Pacific and African releases under the new three-hour format may be audible in North America on occasion, as one or two frequencies in these releases originate from Radio Netherlands' Bonaire relay in the Netherlands Antilles. Check out 11895 from 0730 through 1025, and 21590 from 1730 through 2025. The first hour of the 0730 release on 11895 came through loud and clear last night here in Eastern Pennsylvania (22 April).

If I would like your own copy of "On Target" twice each year, send a note to Radio Netherlands, PO Box 222, 1200 JG Hilversum, The Netherlands.

May Highlights - BBC World Service

Spain will be in the world's spotlight in 1992, with the Seville Expo, the Olympic Games, and the 500th anniversary of Christopher Columbus' discovery of America. To help set up the BBC's coverage of these events, the World Service is focusing in May on the life and history of the Spanish people. Following are highlights from the program listings for some of the May programming on Spain.

12 May: The cultural life of Madrid is featured on the Tuesday edition of the World Service's arts program, **Meridian**. 2030, repeated Wednesday 0630 and 1130.

14 May: Modern Spanish literature is discussed on the books edition of *Meridian*, Thursdays 2030 with repeats Fridays at 0630 and 1130.

15 May: Forgotten in the shadows of King Ferdinand and Queen Isabella's sponsoring of Columbus' voyage is their decree the same year expelling Jews from Spain. Some 100,000 Jews left Spain in 1492 for North Africa, Turkey, and Western Europe. Ferdinand and Isabella's decree marked the abrupt end of the Spanish "Golden Age", a time of prosperity and culture when Jews, Muslims, and Christians peacefully coexisted. David Mazower, in *The Breakup of a Tolerant Society*, examines this period and explores how Spain now remembers its Jewish past. 0730, 1215, 1930.

22 May: Spain's best-known winemaking region is highlighted in the feature program *Rioja*. Winemaking in Rioja began when French vintners abandoned the Bordeaux region 100 years ago when their vines were threatened by disease. 0730, 1215, 1930.

24 and 31 May: Paul Scofield and Bob Hoskins, no strangers to American moviegoers, play Don Quixote and Sancho Panza in the BBC World Service adaptation of *Don Quixote* as the two-part *Play of the Week* on these two dates. 0101, 1201, 1901.

29 May: The distinguished 29th century author Angel Ganivet wrote "The Spaniard is a man who carries on his passport the imaginary words 'This Spaniard is authorized to do whatever he wants.'" *The Spanish Temperament* explores the Spanish character in the personification of Don Quixote and other fictional characters. 0730, 1215, 1930.

In other World Service highlights:

Saturdays, beginning 2 May: What's News? is a new weekly news program targeted to teenagers. Sarah Ward, the voice of the music program *Multitrack 3*, hosts a mixture of features, interviews, listener questions, and competitions all designed to provide background to the news to a teenage audience. Listener input is desired; write to *What's News?*, Room 410 SE, BBC World Service, Bush House, London WC2B 4PH, United Kingdom. Saturdays, 1901, repeated Mondays 0101, 1515.

17 May: *Earthlives* marks the Rio de Janeiro environmental summit with a four-part special on environmental issues around the world, tapping into the BBC's vast correspondent's network for snapshots of daily life in India, China, Ghana, and Los Angeles. The impact of daily living in these four cities on the local and global environment is discussed. This four part series begins on 17 May and continues for four Sundays at 0230 and 1615, with a Monday repeat at 0730.

25 May: Hard to believe, but Paul McCartney turns 50 in June. Music journalist Patrick Humphries hosts a four-part weekly series beginning May 25th on McCartney's career in music, from the Beatles through his current ventures on *McCartney at 50*. Excerpts from McCartney's best known songs, along with insights into their background, are also featured. Mondays at 2215, with repeats Tuesdays 0630, Wednesdays 1615, and Fridays 1030.

14 June: The success of the *It's Your World* phone-in series has prompted the BBC to set up another phone-in regarding the Rio environmental summit. This time, you'll be asking your questions of Maurice Strong, the conference chairman, and the United Nations' Secretary-General for the Conference on Environment and Development. The note in *London Calling* only mentions phoned-in questions, which can be telephoned from 1200 UTC on the 14th on 011-44-71-379-0411. The *Earthlives Phone-in* program itself airs live at 1401, with edited 30-minute repeats Monday 0630 and 1001.

Feedback

Ralph Brandi, whom I had the pleasure of meeting at the SWL Winterfest, E-mailed me a note mentioning the death of a stalwart of Canadian journalism, Barbara Frum. Barbara hosted the CBC/RCI program *As It Happens* through most of the 1970s into the early 80s. Her interviewing style, along with the general *As It Happens* format, had a tremendous influence in the incubation and development of National Public Radio's news programs here in the USA. Ralph believes anyone listening to RCI or the CBC through the 70s should recognize the name.

Until next month,

73 DE Richard

Latin Destinations



Don Moore
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Big Rapids, MI 49307

Hola amigos! Welcome to another Latin Destinations column. Before we move South of the Border, a little news from the home front. A few weeks ago I accepted a position as an ESL Instructor (English as a Second Language) at Teikyo Marycrest University in Davenport, Iowa. I would like to meet other NASWA members in the Quad Cities or other nearby parts of Iowa and Illinois. If you would like to get together, drop me a line at my new address - 716 Ripley Street, Davenport, Iowa, 52803 - or give me a call at (319) 323-0537.

The winner of the contest in the February column was Ms. Marie Lamb of Brewerton, NY. Marie, your prize will be in the mail just as soon as I dig it out of whatever box I packed it in!

I have obtained a copy of Carl Huffaker's Latin Notebooks, as profiled in the March Listener's Library column. The book is entertaining, informative and cheap! If you like DXing the Latins (or even just reading about them), you'll love this book. The cost is just \$7.95 plus \$2.25 shipping in North America from THE SPEEDX Supermarket, 5008 Stonehenge Lane, Norman, OK 73701.

Land Of True Peace

This month let's take an in-depth look at one of my favorite places in Latin America, the department of Alta Verapaz in Guatemala. Alta Verapaz forms a rough rectangle in central Guatemala with its capital, Coban, in the southwest corner and the Belize border in the northeast corner. Most of the department is a high plateau, about 4,500 feet above sea level. This gives Alta Verapaz a spring like climate with cool mornings and evenings and warm days. The altitude also puts Alta Verapaz up into the clouds so that unlike most of Central America it doesn't have distinct wet and dry seasons. Instead, there is a fine, misty rain called the chipi-chipi that falls throughout the year. Alta Verapaz is always lush and green.

Alta Verapaz is the home of 200,000 K'ekchi Indians, Guatemala's fourth largest indigenous group. Historically, Alta Verapaz was isolated from the rest of the country; not until 1958 was

a real road built to Guatemala City. Because of this isolation, the K'ekchi Indians continue to live much as they have for hundreds of years. Ninety percent of the K'ekchi don't even speak Spanish! The K'ekchis mainly live in rural villages while Spanish-speaking mestizos live in the larger towns and cities. Alta Verapaz is well known for its traditional weaving and handmade silver jewelry, which can be seen on the dozens of K'ekchi women who bring goods to the market in Coban each day. The women all wear huipiles, a loose fitting pull-over cotton blouse finely embroidered with floral patterns around the neckline, and skirts made by wrapping several yards of colorful hand-loomed fabric around their waists. This traditional costume is topped off with silver necklaces and earrings.

When the Spanish conquered Guatemala in the 1520s, they found the Indians of Alta Verapaz especially warlike. In fact, the Spanish soon gave up any attempt to conquer the region, which they gave the name Tezulutlan, a Mayan word for "land of war". Then in the early 1530s, Friar Bartolome de las Casas asked the authorities to let him try to convert the Indians to Christianity. The government agreed and forbade any other Spaniard from entering the region, so that the Friar could proceed unmolested. With the help of wandering Indian traders, de las Casas and several Dominican friars were able to learn some K'ekchi and translate Bible verses into the language. The Bible verses were then set to music and taught to the traders who were then given mirrors, metal knives, and other goods and sent into the region to trade and teach the inhabitants these new songs.

Soon, Matalbatz, one of several regional K'ekchi rulers, wanted to learn more about these verses. The traders told him that the verses were composed by a new type of Spaniard who wore robes instead of armour and were more interested in religion than in gold. The traders arranged for de las Casas to visit Matalbatz, and soon Matalbatz and his people were converted. De las Casas and his fellow friars continued to convert Indians in other villages, and in 1538 he founded the

town of Coban, which means 'cloudy place' in K'ekchi. By 1548, the conversion process was complete and the land was given the new name of Verapaz.

Unfortunately, the story does not have a happy ending. As soon as the conversion was complete, the Spanish colonial government sent in soldiers to take control and find treasure. In the process, Indian villages were destroyed and looted and the people enslaved. The Verapaz region became an isolated backwater, generally forgotten by the Spanish, and, after 1821, by the independent Guatemalan government.

European Influences

Alta Verapaz's fortunes changed in the 1870s under President Barrios. Barrios invited German immigrants to help develop the country. Many were awarded huge tracts of land in Alta Verapaz, which became the center of German influence in Central America. Most Germans established prosperous coffee plantations, while others opened silver mines or set up shops and hotels. They soon controlled almost all aspects of the economy in Alta Verapaz and made Coban the most prosperous town in Central America. The Germans even built a railroad to the Caribbean to export their goods. In fact, it was easier to go from Coban to Europe, by train and steamship, than it was to go to Guatemala City by mule train over the mountains!

Although the Germans of Alta Verapaz became an important economic force in Guatemala, they never abandoned their ethnicity. Each generation retained German citizenship and continued to speak German in day-to-day life. This led to their downfall. In the 1930s, most of the Alta Verapaz Germans supported Hitler. They decorated their houses and clubs with swastikas and the phrase "Heil Hitler!" became common in the streets of Coban. In 1941, Guatemala followed the United States' lead and declared war on Germany. All the Germans in Guatemala who had retained their German citizenship were kicked out of the country and their property confiscated. Other than a very few German surnames, the only visible trace of the Alta Verapaz Germans are the large decaying wooden houses scattered throughout the city of Coban.

However, the German's also left the seeds, literally, of Alta Verapaz's modern economy. Although the Germans' main economic interests were in coffee and silver production, some

planted small fields of cardamom, which they brought from India. The Germans never considered it very important, but today Alta Verapaz is the center of Guatemala's cardamom growing industry, and Guatemala is the world's largest exporter of the spice. Over 200,000 Guatemalans make a living off cardamom. Almost all of Guatemala's cardamom is exported to the Middle East, especially Saudi Arabia, where it is widely used in cooking and is added to coffee.

Alta Verapaz On SW

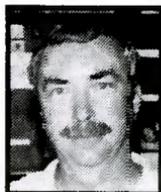
Alta Verapaz has two shortwave stations, one Roman Catholic and the other Protestant Evangelist, each looking to save the souls of the K'ekchi Indians. In fact, the two stations are only on shortwave. Alta Verapaz's commercial medium wave stations broadcast in Spanish for the townspeople. Catholic Radio Tezulutlan, in Coban, has been on the air since 1975, while Evangelist Radio K'ekchi, in the small town of Fray Bartolome de las Casas, just came on the air in 1988. It is somewhat ironic that the Protestant station is in a town named after the original Catholic missionary to the region! Both stations broadcast primarily in K'ekchi, although they also have Spanish broadcasts. I believe that Radio K'ekchi also has some programs in Pokomchi, a related language spoken just south of Alta Verapaz. Don't let the Indian languages fool you into thinking you're hearing Spanish. Although they are very different from Spanish, the languages have adopted enough Spanish vocabulary to mislead the casual listener. (The apostrophe in K'ekchi, by the way, represents a glottal consonant not found in English or Spanish.)

Radio Tezulutlan uses 4835 and 3370 kHz, while Radio K'ekchi is on 4845. The Guatemalan communications ministry is very well organized in assigning frequencies, and it is very strange that two stations only a few miles apart have frequencies as close together as these two do on 60 meters. My speculation is that Evangelists in the ministry conspired to give Radio K'ekchi a frequency close to that of Radio Tezulutlan so as to draw away listeners. Listen for them in the evening or in the morning around 1100-1200 UTC. Along with religious and educational programming, both stations play a lot of beautiful Guatemalan marimba music. Good listening and Hasta Luego!

-Don

NASWA Portraits

Jerry Klinck
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West Seneca, NY 14224



Welcome to another "PORTRAITS" of one of our fellow NASWAnS. This month I am going to do something a little different, partly out of my admiration of this month's subject and partly out of desperation. You see, we are completely out of profiles of our members. So I am hoping that this two (or three) part series Portrait will buy some time for you all to send me your own story to share with the membership. And now we go to Newport News, Virginia to visit a very special DXer. . . . Dr. Harold Cones.

"I was raised a country boy. Poverty limited my worldly experiences to farm work and an occasional movie (at 15¢, no less). Even so, as it turned out, I had two major things going for me: an interest in electronics and a big closet. My dad was an electrical engineer so the interest in electronics came easy. By age 15 I had built a number of high class items such as a 50 watt hi-fi amplifier (which I rented out for sock-hops with me serving as DJ, using pirated music) and a number of one and two tube radios. To help foster my electronics interest, my dad showed up one day in early '57 with a surprise tank radio (a BC-312M) he had been testing for the Army. It was ugly and weighed a million pounds and had an out-board power supply that added another 500 or so to the total mass but the neat thing was that it tuned the shortwave bands. A few minutes of that and overnight my big closet was cleaned out and became my radio shack."

"Only those who ever experienced the thrill could understand the feeling that ran up my spine when I heard Big Ben chime and realized that I was actually listening to London. (Ah yes, 1960 with a Knight Span Master in MY big closet - ed.) That evening I left the farm and toured the world from my closet and found myself totally hooked. Later I realized I could write letters to Peking, Moscow, Prague and Colombo and even more wondrous than that, they would write back with letters covered with beautiful stamps and filled with pictures and other goodies to stimulate my imagination. One of my proudest possessions is a miniature felt hat and saddles that arrived from HCJB (if I could just find 'em now!)."



"My life became more thrilling but have you ever tried to explain this hobby to your friends? Mine thought for sure that I was rowing without both oars in the water. Through *Popular Electronics* I found there were actually many people involved in this hobby; and when I received my WPE400 call sign, I felt part of a large fraternity that elevated me out of my rural setting and made me part of the world. (Pretty deep doggie-do, huh?) My best friend became interested and started DXing with a Zenith Transoceanic and before long we were pulling all-nighters and we started to verify some pretty good ones (Radio Colombo, Fiji Islands Broadcasting, Windward Islands Broadcasting Corp., ZQ-1 - Jamaica, United Arab Republic, and so on."

"I still experience a tingle when I turn the radio on and tune in a new country, but nothing will ever replace the thrill of finally logging Fiji in 1957 after several months of detective work and coaxing my old tube rig to pull it in. (With me it was Tahiti - - I actually thought I'd hear Adam Troy calling from the "Tiki" - - ed.) My friend and I started a radio club in our High School with the help of the track coach - an old WWII radio man. An interesting club name, the 'QRMs' - wonder what we were trying to tell the world?"

Next month we'll find out how Dr. Cones radio interest catapulted him into adulthood and what part shortwave played in (and out) of his later life. Stay tuned! Meanwhile, if you haven't yet done so, send in your story!!

Equipment Review

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CompuServe 76665,1756

THE SONY ICF-SW55 PORTABLE RECEIVER

About once a decade, a receiver is produced which becomes a classic within its particular category. For the past six years, the Sony ICF-2010 has been such a radio in the portable class, due to its combination of features, design and performance. I predict that it will become a collector's item. However, although it is a portable radio, it is a LARGE portable. Some, definitely including myself, have found it to be just too large and heavy for a travel portable. So, I have had to settle for the greater portability of the Sony ICF-2002/3 and its latest incarnation, the ICF-SW7600. This increased portability has entailed performance trade-offs, such as a single IF bandwidth, lack of synchronous detection, fewer memories, "twitchy" SSB/CW tuning and a clock which displays only when the radio is off (SW7600). At least the SW-7600 has a light for the display!

Sony has recently introduced the ICF-SW55, a new small portable that addresses many of these deficiencies. There are a lot of features packed into a case that's slightly smaller than a World Radio-TV Handbook (7 3/4 x 5 x 1 9/16 inches). This is definitely not a re-warmed ICF-SW7600. The front panel has 47 separate pushbuttons and one flat tuning "disk". Shown on the 3 3/4 x 2 1/4 inch LCD display are a world map, 24 hour clock, bargraph "S" meter, frequency (to one kHz) and meter band, indicators for tuning step, bandwidth and mode, and, in the lower half, the memory display. Also unique is the rear-mounted speaker, whose output is routed forward by an oval duct in the top of the front panel.

Let me summarize the basics quickly before moving on to the more exotic features. The radio covers 150 kHz to 30 mHz continuously in AM/LSB/USB modes and 76 to 108 mHz in FM mode (FM reception in stereo is possible with stereo earphones). The tuning dial tunes in 1 or 0.1 kHz steps in AM mode and 0.5 or 0.05 mHz steps in FM - a front panel button selects either step. The "up-down" pushbuttons tune in 5 kHz steps in AM mode. The unit requires 4 "AA" batteries or an external 6 volt DC supply. It comes packed in a molded plastic case (a la the SW-1) containing the radio, manuals, AC power supply, antenna connector, "ear bud" stereo headphones and a reel-type antenna wire. The AC adapter that is packed with the U.S. model is 120 volt AC input only. The hard plastic case measures 11 inches square by 3 1/2 inches deep - which I don't consider very portable, but a suede case for just the radio is also included. On the left side of the case are a three-step antenna attenuator switch, and jacks for antenna input, tape recorder output and remote control, headphones and DC power. On the right side are a mono-stereo switch, three-step tone control and volume slider. The list price is \$429.95 and the going price seems to be about \$370.

Memories You Can Remember

The neatest thing about this radio is its memory management scheme. I consider myself reasonably intelligent, but I really couldn't remember what was stored in the ten memories of my SW-7600, especially since I only used the radio about every 2-3 months. Imagine the difficulty I would have with the SW-55's 125 memories! Thankfully, Sony has made it easy by breaking the memories into 25 banks or "pages" of 5 memories per page. The pages are selected by a rocker switch and the individual memories within a page are selected by five pushbuttons below the LCD display. What makes this system so useful is the ability to assign an eight character title, such as "BBC-NITE" or "SWEDEN" to each page. This title is prominent in the LCD display. Inputting or editing a title is carried out by using a combination of the "Label Edit", AM/FM, "Step" keys and the keypad. It sounds difficult and can't be done the first time without reference to the manual, but is easy the second time one tries it. Once set up, it works like this: If you want to listen to Radio Moscow, you step to its memory page, then select the one frequency of five that gives the best reception. The SW-55 comes with 20 pages pre-programmed for some of the major international broadcasters, but

most of the frequencies within the pages will need to be updated (which is quite easy). While listening to one memory channel, one can check the contents of the other memories within a page without disturbing current reception. Unfortunately, the SW-55 doesn't allow for automatic scanning of memories, either within or between pages.

Clocks/Timers/Alarms

Did you notice the use of plurals in the above title? The SW-55 has a permanent clock display (even with the power off) which shows either local or UTC time in 24 hour format as well as the offset between local time and UTC. By pressing the "World Time" button, time zone boundaries can be scrolled across the world map by the tuning knob, while the name of the major cities within that time zone appear in the page title box and the frequency display changes to show the local time in that zone! In standard time display mode the user can choose between a display of local time zone boundaries or current area of darkness on the world map. A push-button corrects the clock for daylight-savings time.

There are five independent timers in the SW-55. These allow for up to five different frequencies to be tuned in at up to five different times (either local or UTC) and remain on for 1-199 minutes in each 24 hour period. The tape recorder remote control output is also activated by the timer. Frequencies for timer operation are stored in a separate timer memory page. In addition to the five timers, there are also five alarm settings which can be set to beep or display a message of up to eight characters. There's also a sleep timer to turn off the radio after 15, 30, 45 or 60 minutes of listening.

Ergonomics/Design

The styling of the SW-55 follows the trend set by the SW-77 - a large front panel LCD display in a smoothly contoured case. The back of the case is shaped to provide "fingergrrips" which are quite comfortable. When the radio is held in both hands with the front panel facing the operator, the tuning disk lies immediately beneath the right thumb tip for easy tuning. A sturdy flip-out stand tilts the unit at a 30 degree angle for table top use. Sony even thought to add soft rubber pads to the bottom of the unit to prevent slipping. The majority of the pushbuttons are assigned only a single function - the exception to this is the process of editing memory page titles and, somewhat annoyingly, the bandwidth and AM mode selection. This requires pressing the "AM Function" key and then toggling between Wide/Narrow and AM/USB/LSB with two of the memory keys. This frustration is compounded by the fact that reception mode varies with frequency. Within the international broadcast bands, the default is AM Wide, but if you go to 7435 kHz via the keypad, the radio defaults to USB Narrow. The manual doesn't list any way to change these defaults. I also found it difficult to actuate the side-panel slide switches without using one hand to stabilize the case.

Performance

The question now becomes: Is this really a radio or just a very expensive alarm clock? I'm pleased to respond that it really is a radio and, overall, a quite good one. The innovative aspect of the unit lies in the computer and, therefore, the radio portion (unfairly) somewhat pales in comparison. My main complaint is that the radio lacks synchronous detection capability - did Sony leave it out just to keep the 2010 on the market? I found the unit to be quite sensitive above 5 mHz. There are a few "dead zones" in my house where my ICF-SW7600 just won't pick up even the BBC during the late afternoon - no problem with the SW-55. I did notice that sensitivity was somewhat low at 5 mHz and below - a short external wire antenna took care of that problem. The radio is well-behaved (i.e. good dynamic range) with an external antenna in the international broadcasting bands, as long as the attenuation switch is set to normal or local. The inclusion of two bandwidth settings is a major improvement over the SW7600 - Wide is approximately 8 kHz wide and Narrow is about 4 KHz. The narrow position is very effective against most adjacent channel interference, although slight off-tuning is necessary to maximize fidelity. The way the narrow filter passband and BFO offset are configured yields very pleasant audio in SSB. ECSS is possible (and good when it works) although the 0.1 kHz minimum tuning steps can be a problem if the station is slightly off frequency. I was able to detect some images 910 kHz below 49 meter powerhouses during night-time listening and in the MW band from local broadcasters. I wonder if this is just inter-sample alignment

variation or an inherent design fault. Connecting an external antenna helped to reduce these images. I also noticed some very distorted "breakthrough" from local FM stations on the SW range - however, I can't fault the radio for this as I live about a mile from a major TV/FM broadcast tower and any radio in a plastic case exhibits the same problem in my shack. FM sensitivity is excellent - I was able to pick up all the locals with the whip antenna completely retracted and got lots of spurious signals with the whip extended! - again a consequence of my metropolitan location.

I have noticed comments from some users on the computer bulletin boards concerning BFO instability in the SW-55. There is a momentary warbling of the received pitch of a CW/SSB signal as the tuning disk is stepped. I speculate that the BFO oscillator is having to resettle with each tuning step. I found the phenomenon to be only a minor quirk but others see it as a major annoyance. Once tuned the BFO was stable on my unit - no wavering with pressure on the case as some have reported - but there was slight wavering with extreme signal fades.

The scanning function was a bit of a disappointment - the scan is in 5 kHz steps through a selected international broadcasting meter band. Scanning is started by holding down either the "+" or "-" tuning step key for about one second. With the attenuator switch set at "DX" the radio stopped at every 5 kHz (even on noise) if signal levels were high. This was alleviated by increasing the attenuation.

I was a bit apprehensive about sound quality from the SW-55 given its rear-mounted speaker with its acoustic output routed to the front panel via a plastic duct. I found the sound to be a bit on the "tinny" side, but not as much as anticipated. I usually left the tone control in the "News" or "Normal" position even when listening to music on local FM stations - the "Music" position was just too "scratchy" to my ears. Sound with the external earphones is very good and sound is routed to both earphones even with mono signals. Audio power output was more than adequate, even outdoors. Unlike some other Sony products, the tape recorder output level is designed to be used with line level (as opposed to microphone level) inputs.

Due to the extensive display, I was also apprehensive about battery life. The manual states an expected life of 7 hours for AM listening and the WRTH team got 9 hours from theirs. I got about 12-13 hours of battery life with intermittent listening, although sensitivity was beginning to decline after 10 hours.

Overall Impression

Where does the ICF-SW55 fall out in regards to the other offerings from Sony? My impression is that for straight radio performance where size is not an issue, stick with the ICF-2010. It offers synchronous detection and is about \$20 cheaper. Where size is important, the SW-55 offers clear advantages over the SW-7600. These include the impressive memory scheme and selectable selectivity. The multiple timer feature may be valuable, depending on individual application. However, these advantages come at a cost of about \$150 more than a SW-7600. So, the SW-7600 still has a place for those looking for cost-conscious, solid-performance portability. What about the SW-77? I hope to have that answer in the near future!

I would like to take this opportunity to thank Fred Osterman and the folks at Universal Radio in Reynoldsburg, Ohio for providing the evaluation sample of the SW-55. They have very graciously agreed to provide equipment samples on short-term loan for NASWA Journal reviews. I feel that this represents genuine trust and dedication to the hobby on their part.

My review may seem somewhat negative in tone, as I concentrated on dislikes in order to save space. My overall feeling about the SW-55 was that I very seriously thought about purchasing the review unit - even to the point of trying to sell the SW-7600 I own! The memory organization of the SW-55 offers a level of tuning convenience not matched by other radios, with the exception of the Sony SW-77.

the **CPRV** page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

One thing I miss is hearing the Portuguese national anthem, "A Portuguesa," which was used by the stations in the Portuguese colonies (Portugal called them the "overseas territories"). When you heard "A.P.," you knew you had something good. The QSL shown below is fairly recent, by CPRV standards--1958, and is from a station that was heard often until it left the air a few years ago: Radio Clube de Sao Tome. Its frequency remained the same over the years, 4807 kHz. +++ If you would like information on the CPRV Registered Collections Program and how you can place stickers on your QSL albums indicating your wish that they be donated to CPRV when the time comes, send a business size SASE to Registered Collections Program Coordinator John C. Herkimer, P.O. Box 54, Caledonia, NY 14423, or to yours truly. 73 -- 

Ilha de S. Tomé

Provincia de S. Tomé e Príncipe
Africa Ocidental Portuguesa

CR55C — 4807,5 Kcfs
CR58B — 4807,5 Kcfs

LAT. 00° 23' N
LON. 06° 43' E

Rádio Clube de S. Tomé

S. Tomé 27 de Dezembro de 1958

Tenho a prazer de acusar a recepção d' QSL
We acknowledge with pleasure the receipt of your report
de 9th January 1958 comunicando o report da
data

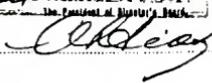
nossa emissão do dia 5th and 8th Jan. 1958
broadcast transmitted at

na frequência 4,807,5 Kcfs.
to Kcfs.

peço que lhe ficamos imensamente reconhecidos.
and we are highly obliged for your kindness.

Apresento a V. Ex.ª os nossos melhores cumprimentos.
I hope to meet you next month.

DeB Presidente da Direcção
The President of Director's Office



Listener's Notebook

Dan Ferguson
P.O. Box 2604
Dale City, VA 22193
CompuServe 76702,771

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

ANGUILLA - Dr. Gene Scott said 3/29 he wants all unpaid pledges for the Anguilla project fulfilled by Easter Sunday, 4/19. [He must not have heard of the IRS.] The plan for Anguilla includes two 100 kw SW xmters and a 50 kw MW xmt on 690 kHz. One antenna will be centered on Gibraltar, the other on Los Angeles, CA. (Mike Fern--CA)

ANTARCTICA - *LRA36, Radio Nacional Arcangel Gabriel*, Base Esperanza, was to be operating 2100-2300 on 15475.7v at the end of February. (Gabriel Ivan Barrera, Buenos Aires, on DXPL 4/4)

ARGENTINA - The current EE sked of *Radiodifusion Argentina al Exterior*, Buenos Aires, is: to Europe and North Africa, 1900-2000 Mon-Fri UTC on 15345 kHz; to the Americas, 0200-0300 Mon-Fri on 11710 kHz. (Gabriel Ivan Barrera on DXPL 4/4) [Worth checking the 0200 Monday show to see if the weekdays are Buenos Aires dates or target area dates.--mf]

AUSTRALIA - *Radio Australia* - Carnarvon has emerged on new 9475, with English 2000-2100. This appears to replace planned 9860, *1800-2100*, as at 4/13. (Bob Padula)

BELGIUM - *RTBF* relays RTBF Radio 1 in French at 0500-0600 (Mo-Fr) & 0600-0630 on 7140 & 17680 kHz. Also at 1100-1715 on 9925 & 21460 kHz. (WBI 4/3)

BENIN - *Radio Benin*, Cotonou, operates on 4870 kHz Monday - Friday at 0458-0900, 1055-1400 & 1600-2300. Sat/Sun transmissions are 0555-2300. (WBI 3/27)

BURKINA FASO - *Radio Burkina* operates 0530-0700 Mo-Fr on 4815 kHz; 0700-0900 on 4815 & 7215; 0911-1200 Su/Th/Sa on 7230; 1200-1700 on 7230; and 1700-2400 on 4815 kHz. (WBI 4/17)

BURMA - *R. Myanmar* has moved its 0030-0230 transmission from 7185 to new 7155 kHz. English at 0200-0230. (Sarith Weerakorn, Sri Lanka, on DXPL 3/22)

A Burmese local station iDing as *Myawadi Athan Hlwin Htana* (Mate Radio Station) has been observed on 5973 kHz in minority languages at 1030-1330 and in Burmese at 1430-1530. Mate is a town on the Thai/Burmese border close to the current fighting between Burmese and Karen forces. Announcements have mentioned programs in Pwo Karen, Sgaw Karen, Kayah, Kaw, Lahu, Wa, Pa-o and Shan. The Burmese segment consists of music & news items previously broadcast on R.Myanmar, Rangoon. The audience is addressed as "national people and working" - a term also used by R.Myanmar. The station is not in parallel with the nationalities programme on 4725, with Rangoon on 5900, or with Maymyo Defence Services radio on 6570. Of note is the fact that the station is off the air 1330-1430, when Rangoon's main newscast of the day is aired. (WBI 4/3)

CHILE - *R. Santa Maria*, Coyhaique, 6030 kHz, heard in NZ at 0856 sign-on in SS, Mondays only, while R. Marti is silent. (Brian Clark, NZ DX Times, on DXPL 3/22) [WRTH 92 says 1030-0400.--mf] During the summer R.Marti's silent period is 0300-0900 Monday, so one might have to wait till the reversion to standard time to catch this. (df)

CHINA - *Beijing* on new 11815, opening 2300 with Spanish to Americas, // 11445. Mali relay on 11790 also noted, parallel, 4/11. (Bob Padula)

Radio Beijing English to ENA/WNA at 0000-0100 & 0300-0400 on 9770, 11715; 0400-0500 on 11685, 11840. To ENA 1200-1300 on 9665. To WNA 1400-1600 on 7405. To Europe at 2000-2200 on 6950, 9920; 2100-2130 on 3985; 2200-2300 on 9740. To SEA at 1200-1400 on 9715, 11660.

To South Asia at 1400-1600 on 11815, 15165. To the South Pacific at 0900-1100 on 11755, 15440, 17710; 1200-1300 on 11600, 15450; 1300-1400 on 11600. To East & South Africa at 1600-1700 on 11575, 15130 & 15170; 1700-1800 on 7405, 9570, 11575; 2000-2130 on 11715, 15170. To West & North Africa at 1900-2000 on 6955, 9440; 2000-2100 on 9440. (R.Beijing, via George Poppin)

CONGO REPUBLIC - *Radio Congo*, Brazzaville, heard again on 15190, 1230 Afro-pop music, 1332 FF news, 1405 long political speech in FF past 1700; strong 4/4. (Ernie Behr)

CUBA - *R. Havana Cuba* has increased its broadcasts to the U.S. in reaction to TV Marti's addition of a noonday broadcast to Cuba. New 11930 kHz was heard well in Wales at 2200 4/8 with Fidel Castro's announcement of the additional service. (JM and Michael Kerr, Wales, on RNMN 4/9)

CYPRUS - *Cyprus BC Corp* pgms Fri/Sa/Su in Greek for Eur 2215-2245 on 6190 7205 9770, per sked. BBC on new 5970 *2200, excellent level 4/11, parallel 5975 other sites. (Bob Padula)

DENMARK - *Radio Danmark* in Danish: 0030-0055 to Am/As on 11770, 11795, 15165, 17730; 0130-0155 Am on 9615, 11930; 0230-0255 Am/As on 9565, 11720, 11930; 0330-0355 to Am/ME/As on 9560, 11720, 11865; 0430-0455 to Am/Af/ME/As on 9560, 11865, 11870, 15175; 0530-0555 Eu/Af/ME on 7215, 9590, 15175, 17780; 0630-0655 Eu/Af/ANZ 9590, 15175, 17780; 0730-0755 Eu Af/ME/As/ANZ 9590, 11740, 17740, 17755; 0830-0855 As/ANZ 17740, 21595; 0930-0955 Af/ME/As/ANZ 17740, 21705; 1030-1055 Eu/Af/Greenland 15165, 21595; 1130-1155 Am 17785, 21705; 1230-1255 Am/As/ANZ 15355, 17795, 17860, 21705; 1330-1355 Am/Eu/As/ANZ 9590, 15270, 15355, 17860; 1430-1455 Am/As/ANZ 15355, 17795, 17860; 1530-1555 Am/Af/ME 15355, 17860; 1630-1655 Eu/Af/ME 15230, 17720, 21705; 1730-1755 Eu/Af 9655, 15220; 1830-1855 Am/Eu/ME 15220, 17720, 17760; 1930-1955 Eu/Af/As/ANZ 15250, 17860, 21705; 2030-2055 Greenland, As, ANZ 11740, 15165; 2130-2155 Am/As/ANZ 17735, 21705; 2230-2255 Am/ANZ 17735, 21705; 2330-2355 Am 11795, 15165, 17730. (R.Danmark, via Sam Dellit, Australia)

DOMINICAN REPUBLIC - *R. Santiago*, Santiago, 9877.6 kHz, heard at 0309 with Latin American pop music; frequent IDs mentioning 9875 kHz. EE ID as "This is Radio Santiago International Wave, 9875 kHz in the 31m band." Asking for reports to P.O. Box 282, Santiago, D.R. (Dave Valko, PA, in Fine Tuning on DXPL 3/22) [WRTH 92 gives the MW sked as 0900-0400--mf]

ECUADOR - *R. Nacional Espejo*, Quito, 4679 kHz, has returned to the air after a long silence. Heard at 2310 3/17 with a soap opera in SS. (RMV/QLB/DXPL 3/22)

R. Centinela del Sur, Loja, heard in Quito at 2000 3/15 on new 4871.5 kHz with time check, political ads. (RMV/QLB/DXPL 3/22) [WRTH 92 says 1100-0400 on 4890 or 4899--mf]

La Voz del Napo, Tena, 3280 kHz, relays R. Vatican in SS complete with Vatican IS at 0042. Very strong and reliable in Quito. (KMh/RMV/QLB/DXPL 3/22 via mf)

R. Nacional del Ecuador, the government network, has a program on HCJB Saturday night local time. This is in addition to the "Carta para Ecuatorianos Ausentes" (Letter to Absent Ecuadorians) broadcast weekdays. The weekend program is the sound part of a TV show produced at Quito TV Channel 8, Televisora Nacional, for Cadena Nacional de Radio y Television, a Radio Nacional operation, from *0130-0200* Sun UTC. It is aired on more than one HCJB freq, but the best shot is 15140 kHz. All other radio and TV stations in Ecuador carry it as well. Reception reports may be sent to DX Party Line, HCJB, Box 17-17-691, Quito, which will issue QSLs for Radio Nacional del Ecuador. The weekday program is heard from 1730-1800 on 15350, and DXPL handles verifications for that show also. (RMV/DXPL 4/4) This clears up the item from last month. [df]

Rich McVicar recently telephoned stations in Ecuador currently inactive on SW to learn their plans. *La Voz del Triunfo*, Santo Domingo de Los Colorados, does not plan to return to SW, according to Edison Yanes. *Ondas Quevedenas*, Quevedo, 3325 kHz, has not been heard for over a year. An announcer told RMV that an xmtr transformer is burned out but that their engineer is working hard at it [rewinding it by hand?]; they do have every intention to return to the air. *R. Iris*, Quito, has no plans to return to SW. *Sistema de Emisoras Atalaya*, Guayaquil, 4760v kHz, says they should be back on the air in early May or soon thereafter. *R. Paz y Bien*, Ambato, has no plans to return to SW; it is concentrating on its FM repeater network. (DXPL 4/4)

EGYPT - *Cairo* noted on new 9490, Arabic 2200-2300 // 12050, 4/10. (Bob Padula)

EL SALVADOR - *R. Venceremos* is now heard on 6320 kHz, instead of 6750 kHz. (WBI 3/20)

Radio Farabundo Marti announced 4/7: "Coming soon, direct from San Salvador, new programs, new time, new frequency - Radio Farabundo Marti, 102.1 MHz on FM nationwide. Don't miss it." On 4/9 the *Diario Latino* newspaper of San Salvador carried an ad for YSFF - Radio

Farabundo Marti, giving frequencies of 102.1 MHz "in the city", and 97.7, 92.5 & 91.7 MHz "in the mountain". (WBI 4/17)

EQUATORIAL GUINEA - *R. Africa*, Malabo, 7190v kHz, has expanded its sked to 1700-2300. *R. East Africa*, Malabo, under common ownership, operates Sat/Sun 0500-1400 on 9585 kHz. Reports are verified if the reporter encloses US\$1 or two IRC's. Reports may be sent to R. Africa, Apartado 851, Malabo, or to Pan American Broadcasting, 10201 Torre Ave., Suite 320, Cupertino, CA, 95104-2132. Facilities are to be improved. (Arthur Ward, WDXC Contact, on DXPL 3/22)

ETHIOPIA - *Voice of the Broad Masses of Eritrea*, Asmera, IDs in Amharic as, "*Yeh be Asmera Ketema Yemigegne Yesfiw Yeritrea heb demis Teamarigna Agelgilot new.*" Transmissions are on 3940, 7020 and 7490 kHz at 0400-0700, 0900-1100 & 1500-1800 in Amharic and other languages of the region. (WBI 4/10)

FINLAND - *R. Finland* on new 15440 for the morning service to Far East and Japan, 2030-2200, with Finnish 2030-2100, English 2130. Evening svce to same areas 0830-1115 on 15355 (new)//17800. (Bob Padula)

GEORGIA - *R. Georgia* has English at 1930 and 2030 on 11900 kHz. The signal is very strong but modulation is very poor. EE broadcasts are announced for 1930 and 2030 on 11900 kHz; 0200-0300 on 6180 kHz; 0500-0600 on 12050 and 11705 kHz; 1600-1700 on 9825 kHz, and 1800-2100 on 11900 and 7160 kHz. (Wojtech Zaremba, Poland, on RNMN 3/26) Heard on 11900.3 at 1900 RR, 1930 EE, 2000 RR, 2030-2058*v EE; strong distorted signal 3/20. Also on 11805.3 from 0500 RR, 0530-0600* EE, same day. Not heard on any frequency early April, but was back 4/13. (Ernie Behr, Kenora, Ontario)

GREECE - *Voice of Greece* has rearranged its Foreign Language services, now heard on 7450 with English 2000-2015, French 2015-2030, and German 2030-2045. (Bob Padula)

Athens has a new IS, hrd at 1200 on new 17515 kHz, ex 17525, for NA. (AC on DXPL 3/22)

GUAM - The Z92 sked for *KTWR* shows continuation of the African service, 2028-2100 on 11650 in Twi; Russian services are: 11805 1000-1144 Russian; 9785 1615-1630 Russian (Th-Su), 1600-1615 Kazakh (Fri-Su), 1600-1615 Kirghiz (Mon-Wed), 1615-1630 Korean (Mon-Wed), 1600-1615 Uzbek (Thu); Tibetan listed 1430-1445 11890 (Mon-Fri). (Bob Padula)

KTWR, Trans-World Radio Guam, has started a Korean service, first heard in Japan at 1300 2/7 on 11700 kHz. The new service is on the air from 2330-2342 Thurs UTC on 11580 kHz and 1300-1312 Fri UTC on 11700 kHz. The 12-minute xmsns are scheduled between broadcasts in CC, and are produced in Hong Kong. They appear to be targeted at Koreans living in China. Although broadcast in Korean, they use Beijing Standard Time (UTC+8) rather than South Korean standard time (UTC+9). Tooru Yamashita says the closing announcement also promotes *KTWR* broadcasts in CC. (Kunihiro Nishida and Tooru Yamashita on RJDXC 3/29)

KSDA, *AWR Asia* is scheduled on 9495 at 2000-2200 in Chinese; 9530 at 1000-1100 in Russian; 9650 1300-1400 Korean; 11980 0900-1300 Chinese, 1300-1400 Japanese, 1400-1600 Chinese, 1600-1700 Sa/Su English, 1900-2000 Sa/Su Russian; 13720 0200-0300 Sa/Su English, 0300-0800 Sa/Su Chinese, 0800-1000 Chinese dialects & Cantonese, 1100-1200 Indonesian, 1200-1300 Philippine languages, 1400-1500 Burmese, 1500-1700 Hindi & Indian languages, 1700-1900 Sa/Su English; 15225 2200-0200 daily & 0200-0900 Sa/Su Chinese; 15310 2000-2100 Korean, 2100-2200 Japanese; 15610 0100-0200 Burmese, 2200-2300 Indonesian, 2300-0100 English. (WBI 3/27)

GUINEA - Two frequencies of *Radiodiffusion Nationale*, 7125 and 9650 kHz, are operating from Sofoniya since 3/10. They have come into operation because of the technical breakdown of the equipment at the Kipe transmitting center, which needs to be completely overhauled. The 1404 kHz frequency is not working, while the 4910 frequency is no longer worth talking about. Listener's to these old frequencies have been cut off from RTG's national news. ... Radio Guinea is operating very well and even outside our country. This is evidenced by the fact that Radio Guinea's central studio always receives calls from listeners in Paris or the United States. ... You will be able to listen to Radio Guinea until midnight with its new structure. (Excerpts from report on Rdiff Nationale, Conakry, via WBI 3/27) We now have three frequencies in operation: 7125, 9650 and 6155 kHz. (Excerpt from report on Rdiff Nat, 3/24, via WBI 4/3) The Sofoniya I transmitting center was officially commissioned 3/25. It has two 100 kW transmitters. Renovation at Kipe is underway. Two medium wave transmitting centers, at Dabola and Nzerekore, are to be installed. (Excerpted from report from Rdiff Nat. in WBI 4/3)

HONG KONG - *Radio TV Hong Kong* was active on SW, broadcasting weather reports during the South China Yacht Race 4/17 to 5/1 on 3940 kHz, 2 kw. Daily sked was 1100-1130 and 2300-2330 UTC. The next yacht race is in 1994. (Jorma Mantyla, Univ. of Tampere, Finland via Usenet's rec.radio.shortwave, Ben Krebb)

ICELAND - *INBS*, Rikisutvarpid, shortwave sked: To Nordic countries, UK & mainland Europe daily at 1215-1245 on 15790; 1215-1300 on 13830, 1855-1930 on 11402 & 13855 kHz. To NA at 1410-1400 & 1935-2010 on 13855 & 15770; 2300-2335 on 13855 & 15590. Also relayed 24 hours on 3295 kHz. (WBI 3/27)

INDIA - Latest (April) sked for *All India Radio* shows Russian 1615-1715 on new 11810 (ex 11620), // 15140; Chinese 1145-1315 on 15050 (ex 15120, 17705, and 11735 (additional outlet); Urdu svce: 0015-0430 6155, 0130-0430 9610, 0830-1130 9675 11770, 1430-1930 4860 6045. (Bob Padula)

AIR's mailbag program on 3/23 announced, in response to a letter from a listener in America, that AIR will "shortly start a service for listeners in the U.S.A." (Chuck Wakefield, FL, on RNMN 3/26) This may be India's response to the Sri Lankan service which began in March. (JM on RNMN 3/26)

IRAQ - The *R. Iraq Intl* broadcast to the Americas is on 15150 & 17740 at 2315-0215, one hour earlier than before. It announces 11945 for NA & 17740 for SA. Address is given as P. O. Box 8145, Baghdad. (WBI 3/20) Arabic to the Middle East is transmitted 0900-1100 on 11880. The transmission to NA is now shown as 2215-0115, on 11945, 15150, and 17740 kHz. (WBI 4/10)

A station IDing as *The Radio of Iraq, Call of the Kinsfolk* (Arabic: *Idha'at al-'Iraq, Nida' al-Ahl*) noted in progress 3/31 on 11880. Thought to be the same station heard 3/30 on 11860 at 1005-1047. Program invited Iraqis to return to Iraq. Anecd sked as 1000-1200. With the change to summer time in Iraq on 4/1 the broadcast may have moved to 0900-1100. Bubble jammer hit 1180 at 1128. (WBI 4/3)

The clandestine *Iraqi Kurdistan Radio* transmits in Kurdish and Arabic on 4130 kHz at 0400-0523 and 1600-1725. (WBI 4/10)

Radio of Iraqi Rep/Voice of Iraqi People heard on 9980 much later than usual some days; strong 4/4 from 2300-0254* in AA, but the time varies widely. This is the target of the Iraqi jammer reported in April LN on 9985. (Ernie Behr)

ITALY - *RAI All-Night Service "Notturmo Italiano"* opens 2130 on 6060 from the Roma txer (Caltanissetta used until 2130), with Italian news 2200, to fade-out 2300, 4/11. This channel now in the clear in this time period. (Bob Padula)

The *Voice of Europe*, Pordenone, heard on 13666 kHz, in Italian; short EE announcements heard around 1900. (AC on RNMN 3/12)

JAPAN - From May 3 *Radio Japan* will use 15230 kHz instead of 11870 kHz in the General Service at 0200-0700; 15170 will replace 15250 at 0700-0800. In the regional service to Europe at 0500-0700, 15170 kHz will replace 15250 kHz. There will be additional changes from July 1. (Kunitoshi Hishikawa, Tokyo, Japan)

Radio Japan's new program *Media Roundup*, which was renamed from "DX Corner" and started on April 12, is now broadcasting on the following schedule: Sunday 0330-0354 on 11870, 17810; 0930-0954 on 11815, 11840, 21610; 1530-1554 on 11865; 2130-2154 on 11815, 11840, 15430, 17810, 17890; 2330-2354 on 11735(Gabon), 11815, 15195, 15430, 17810. Effective until May 2. The transmission at 0130 UTC was shifted to 2330. This change is intended to improve reception in Europe using the Gabon-relay. In recent years, Radio Japan has been using a Canada-relay frequency for the DX program at 0130 in summer and 0330 in winter, which has been switched at in/out summer time in the U.S. Consequently there is no Canada-relay for Media Roundup this summer. Presuming that there is no direct xmsn from Tokyo which conveys a strong signal to you, please try the Gabon-relay on 11735 MHz at 2330 UTC. (Tetsuya Kondo, Tokyo)

SWLs touring Japan are welcome to visit the studios of Radio Japan. When a US listener said he planned to go to Japan soon, Radio Japan DX Corner's presenter, Ms. Hiromi Ito, replied "You must come visit us at our broadcast center and, of course, this invitation is open to all of you." I suggest writing ahead to get the direct-line phone number and a tentative appointment so you don't have to moshi-moshi your way through a JJ switchboard and receptionists. (Mike Fern-CA)

KAZAKHSTAN - *Radio Alma Ata* WS heard on 15360 in EE 1831-2031 since 4/4, one hour earlier than before. Fair to good, //15215 in QRM, but //15385 clear after 2030 some days; 2100-2159 * in Kazakh. (Ernie Behr)

A NASWA Exclusive!

English Language Shortwave Broadcast Schedules

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The *Journal* of the
North American Shortwave Association

MAY 1992

Contributions from NASWA members and broadcasters are welcome. Schedules may be mailed or telefaxed or delivered by electronic mail. The telefax line is dedicated. The information is posted on the **Pinelands RBBS** when received. The deadline for the *Journal* is the Friday before the last Saturday of the month. Broadcasters, please place me on your mailing list for schedules.

English Schedules

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Thanks to **David Alpert** (NY), **Michael Batchelor** (CSM), **A. Akad Cukurova** (TRT), **Gordon Darling** (Papua New Guinea), **Nigel Holmes** (RA Frequency Manager), **Tetsuya Kondo** (Japan), **Jonathan Marks** (RN), **George Poppin** (CA), **Munro Vorster** (R RSA) and **Jeff White** (RMI).

Notes

Radio Miami International purchased **Radio Clarin's** 50 kw transmitter on April 10th. The transmitter is being sent from Santo Domingo to Miami on a cargo ship, and will go on the air in the next few months. RMI has requested from the FCC the call WRMI and permission to operate in the 31, 41 and 49 m bands, including Radio Clarin's old frequency of 9950 kHz. If the FCC grants 9950 that will wipe out an **All India Radio** outlet here in eNA. In years past Damascus had also used 9950 kHz.

Iran and Iraq decided to observe summer time this year, so all broadcasts shifted an hour in early April. Staying in that area of the world, **Voice of UAE** has returned with English at 22-24 UT. For several weeks or months the English programming had been among the missing. **R Prague Int'l** changed its name to **R Czechoslovakia** May 1, added two new English releases to Eu at 0600 and 1030 UT and exchanged 9605 for new 9505 kHz.

Radio Japan shifted *Media Roundup* from 0130 to 2330 UT, taking it off the Canada relay. A dumb move, in my

opinion, as the show cannot be heard in eNA. I can hear parts of the show at 1530 on 11865 but the signal - probably OK for the west coast - is weak at best and fades quickly. The 23 UT Gabon 11735 kHz relay to Europe is completely covered by Radio Moscow. **Tetsuya Kondo** tells me the show's schedule is fixed until at least June 30.

George Poppin and I received a **Voice of Turkey** schedule, effective May 3, showing all transmissions shifting an hour later. George says non of the listener-oriented shows have announced anything like this, so we wonder if the printed schedule is correct. If a shift does take place, English will air at 1330, 2300 and 0400 UT.

In Closing

I think we've caught up with most of the March changes now. It gets difficult at times. **HCJB** is putting a new schedule in effect May 3, but I couldn't get a revised schedule by deadline. Notably **WYFR** has ignored our request for updated schedule information. At deadline **Glenn Hauser** on *World of Radio* says there will be additional airing of his show on Sundays at 1030 and of *Signals* Tuesdays at 1045, both on WWCR, 15690. For those with computers and running **Geocklock**, version 4.44 is now available (GEOCK444.ZIP on most BBSs, including ours).

Thanks to **Eric Johnson**, Philadelphia, who has been formatting and printing this column since January. He puts up with the late deadlines, and it frees me to dig around for last minute changes.

Skywaves WAS-50 Antenna: A 50-foot horizontal antenna, center-fed via a "V" matching section and a 300-ohm balanced transmission line. It's a marvelous antenna without traps, and features wideband performance from 100 kHz to 30 MHz. We've used one for years and recommend it highly, \$79.95 (+\$5 UPS). NJ residents add 7% sales tax. For information, send a business-size SASE or download the catalog from the Pinelands RBBS (609-859-1910).

English Language Schedules

By Start Time, As of

4/25/92

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	0030	Australia	R Australia	17880	17750	17630	15320	15170				As/Pac/PapNG		4/10/92
0000	2400	Canada	CFCX	6005								Canada	relay CFCF-600	1/27/92
0000	2400	Canada	CFRX	6070								Canada	relay CFRB-1010	1/28/91
0000	0100	China	R Beijing	11715	9770							wNA/eNA	#1&2 v Mali	9/1/91
0000	2400	Costa Rica	R for Peace Int'l	21465	15030	13630	7375					LA/NA	#1-4 AM or USB	3/28/92
0000	0200	Cuba	R Havana	11970								e&cNA		3/15/92
0000	0027	Czechoslovakia	R Czechoslovakia	11990	9540	7345						NA		4/24/92
0000	2400	Luxembourg	R Luxembourg	15350								Eu		4/8/91
0000	0200	N Mariana Is	KHBI	17865	17555							Japan/eUSSR/seAs/Phi	355/270 deg#1 Sa-Su	2/13/92
0000	0050	North Korea	R Pyongyang	15115	13760	11335						Am		12/2/90
0000	0030	Norway	R Norway Int'l	15165								NA/CA	Su & Mo only	3/26/92
0000	0230	Philippines	FEBC	15450								seAs/India		10/15/91
0000	0100	South Korea	R Korea	15575								Am		3/15/90
0000	0100	Spain	R Exterior de Espana	9530								NA		11/8/91
0000	0100	USA	VOA/Am	15205	15120	11695	11580	9775	9455	7405	6130	Caribbean/Americas	alt pgm #1,3,4,5,9	8/30/91
0000	0100	USA	VOA/E As	17820	17735	15290	15185	11760	9770	7120		eAs/seAs/Pac		3/26/92
0000	0200	USA	WCSN	9850								c&sAf	90 deg	12/23/91
0000	0800	USA	WHRI/2	7315								NA	42 deg	9/22/91
0000	0200	USA	WSHB/1	13760								SA	167 deg	9/22/91
0000	0200	USA	WSHB/2	7395								e&cNA/Car	25/173 deg	9/22/91
0000	1000	USA	WWCR/1	7435										3/27/92
0000	0100	USA	WYFR	5985								NA	Network M-Sa	3/26/91
0000	0100	Ukraine	R Ukraine/NA	17690	17605	11950	11770	9870	9685			NA	also anncs "15198"	3/30/92
0000	0100	Russia	R Moscow	21690	21480	17890	17655	17610	17570	15480	12055	World Service		3/30/92
0000	2400	USA	WJCR	7490								neNA/Eu/ME		3/15/92
0000	0030	Switzerland	Swiss R Int'l	17730	12035	9885	9650	6135				NA	#1 v Brazil	3/26/92
0000	0030	Ukraine	R Ukraine/Eu	15570	12000	9785	9640	7240	7195	6145	6055	Eu		3/30/92
0000	0030	England	BBC	15070	12095	9590	7325	6175	5975			WS: NA/CA/Carib		4/15/92
0030	0430	Ecuador	HCJB	21455	15155	9745						NA	#1 SSB	8/18/91
0030	0230	England	BBC	12095	9915	9590	7325	6175	5975			WS: NA/CA/Carib		4/15/92
0030	0125	Netherlands	R Netherlands	13700	11830	11655	9860	6165	6020			sAs/eNA	#2&5 Bon #3&4 Mad	3/27/92
0030	0100	Yugoslavia	R Yugoslavia	11870								eNA/cNA		3/30/92

0030	0100	Australia	R Australia	17880	17795	17750	17715	17630	15365	15320	15240	As/Pac/PapNG		4/10/92
0040	0055	Venezuela	R Nacional de Venezuela	9540								SA	news/Eng Tu-Su	6/6/91
0100	0200	Canada	R Canada Int'l/VA	13720	11940	11845	9755	9535				LA	Su-Mo	10/24/91
0100	0130	Czechoslovakia	R Czechoslovakia	9540	7345	5930						NA		4/24/92
0100	0150	Germany	R Deutsche Welle	15105	13770	13610	11865	11810	9700	9565	6145	NA		3/26/92
0100	0120	Italy	RAI	11800	9575							NA		3/19/88
0100	0200	Japan	R Japan	17845	17835	17810	15195	11840	5960			GOS/Asia/NA	#5 Sri Lanka #6 Can	3/26/92
0100	0130	Norway	R Norway Int'l	9615								NA/CA	Su & Mo only	3/26/92
0100	0200	Spain	R Exterior de Espana	9530								NA		11/8/91
0100	0130	Sweden	R Sweden	11730	9685							Aus/As		3/29/92
0100	1500	USA	KTBN	7510								eNA		3/17/91
0100	0200	USA	VOA/Am	15205	15120	11580	9775	9455	7405	6130	5995	Caribbean/Americas		8/30/91
0100	0300	USA	VOA/S As	21550	17740	15250	11705	9740	7205	7115		sAs		3/26/92
0100	0300	USA	WYFR	15440	9505	6065						NA	#2&3 Network M-Sa	10/25/91
0100	0130	Uzbekistan	R Tashkent	7265	7190	5955	5930					As		11/23/91
0100	0200	Russia	AWR Russia	11855								s&se&swAs		4/3/92
0100	0200	Russia	R Moscow	21790	21625	17890	17655	17610	17570	15480	11965	World Service		3/4/92
0100	0200	Australia	R Australia	21775	21740	17880	17795	17750	17715	17630	15365	As/Pac/PapNG		4/10/92
0130	0200	Austria	ORF	13730	9875							NA		3/26/92
0130	0150	Finland	R Finland	15185	11755							NA	Sa -0145	3/26/92
0130	0138	Greece	V of Greece	11645	9420	9395						NA/Sweden	News/Eng ex Su	3/29/92
0130	0200	Yugoslavia	R Yugoslavia	11870								eNA/cNA		3/26/92
0130	0225	Netherlands	R Netherlands	13700	11655	9860						sAs	#2&3 v Madagascar	3/27/92
0145	0200	Vatican State	Vatican Radio	11935	9650							As/AusNZ		4/18/92
0200	0300	Argentina	RAE	11710								Americas	Tu-Sa	4/17/92
0200	0300	Canada	R Canada Int'l/VA	13720	11940	11845	9755	9535				LA	Tu-Sa	10/24/91
0200	0300	Cuba	R Havana	13700	11970							c&eNA		3/15/92
0200	0330	Egypt	R Cairo	9675	9475							NA		7/20/86
0200	0250	Germany	R Deutsche Welle	15560	15235	11965	11945	9690	9615	7285		sAs		3/26/92
0200	0300	Guam	KSDA	13720								China	Sa-Su 300 deg	4/4/92
0200	0300	Hungary	R Budapest	11910	9835	6110						NA		3/27/92
0200	0400	N Mariana Is	KHBI	17865	17555							Japan/eUSSR/seAs/Phi	355/270 deg Sa-Su	2/13/92
0200	0230	Norway	R Norway Int'l	11905								NA	Su & Mo only	3/26/92
0200	0255	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990			NA		11/8/90
0200	0300	South Africa	Radio RSA	7270								e&cAf		4/21/92
0200	0230	Sweden	R Sweden	11705	9695							NA		3/29/92
0200	0230	Switzerland	Swiss R Int'l	12035	9885	9650	6135					NA		3/26/92
0200	0300	Taiwan	V of Free China	15345	11860	11740	9765	9680	5950			NA/Jap/As/CA/AusNZ	#3,5,6 v WYFR	7/7/90
0200	0230	USA	VOA/Am	15205	15120	11580	9775	7405	5995			Caribbean/Americas	Tu-Sa	8/30/91
0200	0400	USA	WCSN	9350								eAf	75 deg	9/22/91
0200	0400	USA	WSHB/1	13760								SA	167 deg	9/22/91
0200	0400	USA	WSHB/2	9455								w&cNA/Mex	315/245 deg	9/22/91

0400	0430	Czechoslovakia	R Czechoslovakia	9540	7345	5930												NA		4/24/92
0400	0450	Germany	R Deutsche Welle	13770	13610	11765	11705	9765	9565	7225	7150							s&c&eAf/ME		3/26/92
0400	0415	Israel	Kol Israel	11588														wEu/wNA		3/26/92
0400	0600	N Mariana Is	KHBI	17780	17555													eAs/seAs/Phil	340/270 deg #2 Sa-Su	2/13/92
0400	0450	North Korea	R Pyongyang	17765	15230	15180												seAs		7/15/90
0400	0430	Norway	R Norway Int'l	11865	9560													wNA	Su & Mo only	3/26/92
0400	0425	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990									NA		11/8/90
0400	0430	Switzerland	Swiss R Int'l	13635	12035	9885	6135											ME/NA		10/1/91
0400	0430	USA	VOA/Af	21600	17715	15115	11940	11835	11780	9575	7405							Africa		3/26/92
0400	0500	USA	VOA/ME	7200	7170	6040	5995											ME/nAf/Eu		3/26/92
0400	0600	USA	WCSN	9840														sAf		12/23/91
0400	0700	USA	WMLK	9465															105 deg	8/30/89
0400	0600	USA	WSHB/1	9870														Mex	230 deg	12/23/91
0400	0600	USA	WSHB/2	9455														w&cNA	315 deg	9/22/91
0400	0500	Russia	R Moscow	21790	17890	17825	17655	15490	15470	12025	11950							World Service		3/30/92
0400	0700	Australia	R Australia	21525	17880	17795	17750	17715	17760	17630	15365							As/Pac/PapNG	21775/21740/15240 Sa	4/10/92
0400	0500	South Africa	Radio RSA	9695	5960													wAf/sAf		4/21/92
0425	0440	Italy	RAI	9575	7275													Mediterranean		4/24/91
0430	0500	Swaziland	Trans World Radio	9760	9610	9550	7285	7255	7200	5055	4760							sAf	only 1 freq/bnd used	6/5/89
0430	0500	USA	VOA/Af	21600	17715	15115	9575	7405	7265	6035								Africa		12/7/91
0430	0500	England	BBC	5975														WS: NA/CA/Carib		4/15/92
0445	0515	Sri Lanka	SLBC	15425	9720													wNA	Tu	3/26/92
0500	0700	Ecuador	HCJB	11925	9745													NA		1/23/92
0500	0730	England	BBC	9640	5975													WS: NA/CA/Carib		9/26/91
0500	0550	Germany	R Deutsche Welle	13790	13610	11925	11705	9670	9515	6130	5960							NA		3/26/92
0500	0600	Japan	R Japan	21610	17860	17825	17810	17765										GOS/As/ME/NA/Oceania		3/26/92
0500	0600	Namibia	R Namibia	3270															Sulper MN 2-14-91	3/14/91
0500	0700	Nigeria	V of Nigeria	7255														wAf		7/23/91
0500	0600	Spain	R Exterior de Espana	9530														NA		11/17/91
0500	0700	Swaziland	Trans World Radio	11835	11760	11740	7285	7255	7200	5055	4760							sAf	only 1 freq/bnd used	6/5/89
0500	0600	USA	VOA/Af	17715	15115	9575	7405	6035										Africa		8/30/91
0500	0600	USA	VOA/ME	15205	11825	9700	9670	7200	7170	6060	6040							ME/nAf/Eu		3/26/92
0500	0700	USA	WYFR	13695	11915	9805	5985											Eu/Af/NA		10/25/91
0500	0600	Russia	R Moscow	21790	21625	17890	17655	17610	17570	15545	15470							World Service		3/8/92
0500	0530	Vatican State	Vatican Radio	17730	15090	11625	7250	6245										e&sAf/Eu	#4&5 - 0520	4/18/92
0500	0600	South Africa	Radio RSA	9695														wAf		4/21/92
0515	0600	Canada	R Canada Int'l/Af	17840	11775													Af	M-F v UK	3/26/92
0515	0600	Canada	R Canada Int'l/Eu	9760	7295	6150	6050											Eu	M-F #2,4 v UK	4/2/92
0515	1615	South Africa	Radio Oranje	9630																4/21/92
0530	0600	Austria	ORF	6015														wNA	v Canada	4/26/91
0530	0555	Romania	R Romania Int'l	21665	17790	17745	17720	15380	15340									Af		5/23/90
0530	0600	United Arab Emirates	R Dubai	21700	17830	15435												seAs/Aus		5/6/91

1000	1100	USA	VOA/E As	15425	11720	5985							eAs/seAs/Pac		3/29/91
1000	1100	USA	VOA/ME	21570	21455	15195	15160	11735					ME/nA/Eu		3/26/92
1000	1200	USA	WCSN	15665									Eu	60 deg Sa-Su	3/26/92
1000	1200	USA	WSHB/1	9495									eNA	25 deg	9/22/91
1000	1200	USA	WSHB/2	9455									cSA	152 deg	9/22/91
1000	2400	USA	WWCR/1	15690											3/27/92
1000	1100	USA	WYFR	5950									NA	Network M-Sa	3/26/91
1000	1030	Vietnam	V of Vietnam	15010	12020	9840							Eu		11/7/89
1000	1100	Russia	R Moscow	12070	12020	12010	9845	9600					World Service		4/4/92
1020	1030	Vatican State	Vatican Radio	21670	15210	9645	7250	6245					ME/Eu	M-F	4/18/92
1030	1100	Italy	AWR Europe	7230									Eu/nA/ME		3/27/92
1030	1059	South Korea	R Korea	11715									eNA	v Canada	3/24/91
1030	1055	United Arab Emirates	R Dubai	21605	15435	15320	13675						Eu/N Af		5/6/91
1030	1100	Austria	ORF	21490	15450								Aus/As		3/26/92
1030	1100	Czechoslovakia	R Czechoslovakia	11990	9505	7345	6055						Eu		4/24/92
1040	1048	Greece	V of Greece	17535	15625								Japan	News/Eng	6/26/90
1055	1300	Netherlands Antilles	Trans World Radio	15345	11815								e&sNA/Carib		3/26/92
1100	1200	Australia	R Australia	21725	13605	11880	3580	9470	7240	6080	6020		As/Pac/PapNG		4/17/92
1100	1300	Costa Rica	AWR Costa Rica	11870	9725								CA/SA		6/19/91
1100	1200	England	BBC	15220	9515	6195	5965						WS: NA/CA/Carib		4/15/92
1100	1150	Germany	R Deutsche Welle	21600	17860	17800	17765	15410					wAf		3/26/92
1100	1200	Japan	R Japan	11840	11815	6120							GOS/Asia/NA	#3 v Canada	9/8/89
1100	1200	Jordan	R Jordan	13655									wEu/NA		8/31/91
1100	1130	Mongolia	R Ulan Bator	12015	11850								Japan	exc Tu&F	3/27/92
1100	1150	North Korea	R Pyongyang	11335	9977	6576							Am		12/2/90
1100	1120	Pakistan	R Pakistan	21520	17595								wEu	Slow-speed news	3/16/91
1100	1200	South Africa	Radio RSA	11900									cAf		4/21/92
1100	1200	South Korea	R Korea	15575									ME/Af		10/3/87
1100	1130	Switzerland	Int'l Red Cross	7210									Eu	last Su/mo	9/21/91
1100	1130	Switzerland	Swiss R Int'l	21770	17670	15505	13635						Far East		3/26/92
1100	1200	Taiwan	V of Asia	7445									seAs		3/9/91
1100	1200	USA	VOA/E As	15425	15155	11720	9760	6110	5985				eAs/seAs/Pac		9/29/90
1100	1400	USA	WHRI/1	11790									Caribbean	157 deg	3/26/92
1100	1400	USA	WWCR/2	12160											3/27/92
1100	1200	USA	WYFR	7355	5950								NA	#2 Network M-Sa	10/25/91
1100	1200	Russia	R Moscow	21785	17840	17710	17615	17570	15520	15280	12020		World Service		3/31/92
1130	1200	Austria	ORF	17730	15450	13730	6155						As/NA/Eu		3/7/92
1130	1155	Belgium	BRT	17555									NA		3/26/92
1130	1630	Ecuador	HCJB	21455	17890	15155	11925						NA	#1 USB #3 -1430	12/1/91
1130	1150	Finland	R Finland	15400									NA	M-F	3/26/92
1130	1225	Iran	V of Islamic Rep of Iran	11930	11790	9695	9575	7215					eAs/ME		9/21/91
1130	1230	Thailand	R Thailand	11905	9655								seAs		7/29/89

1300	1355	Romania	R Romania Int'l	21665	17720	15365	11940			Eu		11/16/91	
1300	1330	Switzerland	Swiss R Int'l	21770	17670	15505	13635	11690	7480	s&seAs/Far East	#5&6 v China	3/26/92	
1300	1400	USA	KNLS	7355						As		9/21/91	
1300	1600	USA	WHRV/2	9465						NA	42 deg	3/26/92	
1300	1400	USA	WYFR	17760	13695	11830	9705	5960		NA	#1&3&4 Network M-Sa	10/25/91	
1300	1400	Russia	AWR Russia	11855						s&se&swAs		4/3/92	
1300	1400	Russia	R Moscow	21785	17840	17775	17615	17570	15520	15280	12025	World Service	3/31/92
1302	1502	USA	WYFR	11550						India	v VOFC-Taiwan	3/26/91	
1320	1630	Jordan	R Jordan	9560						wEu/NA		5/5/90	
1330	1400	Austria	ORF	17730	15450					As		3/7/92	
1330	1400	China	R Canada Int'l	9700	9535	6150	6095			eAs		10/24/91	
1330	1350	Finland	R Finland	17880	15400					NA	M-F	3/26/92	
1330	1500	India	AIR	15120	11760					GOS/seAs		1/24/92	
1330	1425	Netherlands	R Netherlands	21655	17605					sAs		3/26/92	
1330	1400	Sweden	R Sweden	21570	17740					As/Pac		4/10/92	
1330	1400	USA	VOA/E As	15425	15155	9760	6110			eAs/seAs/Pac		9/29/90	
1330	1355	Uzbekistan	R Tashkent	17745	15470	9540	5945			As		11/23/91	
1330	1400	United Arab Emirates	R Dubai	21605	15435	15320	13675			Eu/N Af		5/5/91	
1330	1400	Vietnam	V of Vietnam	15010	12020	9840				eAs		11/7/89	
1345	1415	Mongolia	R Ulan Bator	13780	7260					India		3/27/92	
1345	1405	Vatican State	Vatican Radio	21515	17525	15090				As/AusNZ		4/18/92	
1400	1500	China	R Beijing	15165	11815	7405				sAs/wNA		2/1/92	
1400	1430	England	BBC	17840	11820	9740	9515	6195		WS: NA/CA/Carib		4/15/92	
1400	1500	France	R France Int'l	21770	17650	11910				seAs	#3 v China	11/28/91	
1400	1600	Italy	Italian Radio Relay Serv	7125						Eu/nAf/ME	Sa	4/18/92	
1400	1500	Japan	R Japan	11865	11815	9535				GOS/As/Am	#3 v Sri Lanka	2/23/92	
1400	1600	N Mariana Is	KHBI	13625	9530					seAs/India/China	285/310 deg	2/13/92	
1400	1500	South Korea	R Korea	9570						seAs		3/15/90	
1400	0230	USA	KCBI	15375						Canada	authorized	3/29/91	
1400	1500	USA	VOA/E As	15425	15395	15160	9760	9645	7125	6110	eAs/seAs/Pac	3/29/91	
1400	1500	USA	VOA/ME	15205						ME/nAf/Eu		3/26/92	
1400	1530	USA	VOA/S As	15395	9760	9645	7125	6110		sAs		3/26/92	
1400	1600	USA	WCSN	15665						Eu	45 deg	3/26/92	
1400	1800	USA	WHRV/1	15105						Caribbean	157 deg	3/26/92	
1400	1500	USA	WRNO	15420						NA/CA	20 deg (Su only)	3/26/92	
1400	1600	USA	WSHB/1	13710						eNA/Car	25/173 deg Sa-Su	3/26/92	
1400	1600	USA	WSHB/2	13760						Mex/wNA	245/315 deg	4/17/92	
1400	2200	USA	WWCR/2	17535								3/27/92	
1400	1500	USA	WYFR	17760	11830	9705				NA	#1&2 Network M-Sa	10/25/91	
1400	1600	Malta	V of the Mediterranean	11925								2/9/92	
1400	1500	Russia	R Moscow	21690	21600	17615	15540	15520	15480	15435	15280	World Service	3/31/92
1405	1430	Finland	R Finland	17880	15440	11755	9730	6155				Eu/ME/Afr	3/26/92

1600	1700	Guam	KSDA	11980					India	285 deg	1/11/92		
1600	1800	N Mariana Is	KHBI	13625	11580				seAs/India	285/310 deg	3/17/91		
1600	1900	Namibia	R Namibia	3270						per MN 2-14-91	3/14/91		
1600	1630	Norway	R Norway Int'l	17720	15230				ME/Af	Sa & Su only	3/26/92		
1600	1630	Pakistan	R Pakistan	21480	17725	17555	15515	13665	11570	ME/e&sAf	3/16/91		
1600	1655	Poland	Polish Radio Warsaw	11840	9525	7285			Eu	Slow-speed news 1615	1/31/92		
1600	2100	Saudi Arabia	BC Serv of Kingdom of SA	9720	9705						7/1/90		
1600	1800	South Africa	Radio RSA	11885	9565				wAf/e&c&sAf		4/21/92		
1600	1700	South Korea	R Korea	9870	5975				ME/Af/GOS		11/5/88		
1600	1630	Swaziland	Trans World Radio	11835	11760	11740	5055	4760	e&sAf	only 1 freq/bnd used	6/5/89		
1600	1700	USA	VOA/Af	21625	17800	15580	15495	15410	15195	11920	9575	3/26/92	
1600	1800	USA	WCSN	17510					Africa	75 deg	4/17/92		
1600	2400	USA	WHRI/1	13760					Caribbean	157 deg	3/26/92		
1600	2400	USA	WHRI/2	13760					NA/Eu	42 deg	3/26/92		
1600	2000	USA	WSHB/2	17555					Mex/wNA	245/315 deg Sa-Su	9/22/91		
1600	1700	USA	WYFR	21525	21515	17760	15355	15215	11830	Eu/Af/NA	#3&6 Network M-Sa	10/25/91	
1600	1700	Russia	R Moscow	21750	17810	15450	12030	11840	11820	11770	World Service	#5 v Cuba	4/2/92
1600	1640	United Arab Emirates	R Dubai	21605	15320	13675	11795		Eu/N Af	#1 annod as 15400	12/30/91		
1600	1800	USA	WSHB/1	13710					eNA/Car	25/173 deg Sa-Su	3/26/92		
1615	1745	England	BBC	15260	9515				WS: NA/CA/Carib		4/15/92		
1615	1630	Vatican State	Vatican Radio	9645	7250	6245			ME/eAf/wEu		4/18/92		
1620	2200	South Africa	Radio Oranje	3215							4/21/92		
1630	1700	China	R Canada Int'l	9555	7150				India		5/24/91		
1630	1800	Ecuador	HCJB	21455	17790	15270			ME	#1 USB	12/1/91		
1630	1830	Egypt	R Cairo	15255					c&sAf		8/16/90		
1630	1700	Portugal	R Portugal	21515					ME	M-F	2/13/92		
1630	1700	USA	VOA/ME	15245	15205	11855	9760	9700	6180	ME/nAf/Eu	3/26/92		
1645	1850	New Zealand	R New Zealand Int'l	9675					Pacific		3/15/92		
1700	1800	Algeria	R Algiers	17745	9535				eAf/ME		2/13/92		
1700	1800	China	R Beijing	11575	9570	7405			e&sAfr		1/31/92		
1700	1800	Guam	KSDA	13720					India/eAf	Sa-Su 285 deg	4/4/92		
1700	1715	Israel	Kol Israel	15640	15590	11675	11587		Af/Eu/NA/LA		3/26/92		
1700	1800	Japan	R Japan	15210	11865	11815	7140		GOS/ME/Af/Am/As	#1 Sri Lanka	2/23/92		
1700	1750	North Korea	R Pyongyang	11705	9977	9640	9325		Eu/ME/Af		10/1/91		
1700	1730	Norway	R Norway Int'l	9655					Eu	Sa & Su only	3/16/91		
1700	1800	Pakistan	R Pakistan	11570	9420				wEu		3/7/92		
1700	1730	Switzerland	Int'l Red Cross	7210					Eu	Mo after last Su/mo	9/21/91		
1700	1800	USA	VOA/Af	21625	17800	15580	15495	15410	11910	9575	3/26/92		
1700	1800	USA	VOA/E As	15395	9645	7125	6110		eAs/seAs/Pac		3/26/92		
1700	1900	USA	VOA/ME	15205	9760	9700	6040		ME/nAf/Eu		3/26/92		
1700	2000	USA	WMLK	9465						Su-Fr	8/30/89		
1700	1900	USA	WYFR	21500					Eu/Af/NA		3/26/91		

1700	1800	Russia	R Moscow	17810	15520	15515	15510	15450	12030	11840	11820	World Service	#7 v Cuba	4/2/92
1700	1730	Switzerland	Swiss R Int'l	21770	17835	15430	13635					ME/Af		3/26/92
1700	1800	USA	VOA/S As	15395	9645	7125	6110					sAs		3/26/92
1730	1825	Netherlands	R Netherlands	21590	21515	9605	6020					s&eAf	#1&2 Bon #3&4 Mad	3/30/92
1730	1800	Romania	R Romania Int'l	17720	15365	15340	11790					Af		11/16/91
1730	1800	Vatican State	Vatican Radio	17730	15090	11625						e&sAf		5/28/91
1730	1900	Bulgaria	R Sofia	15370	15160	11735	11720	9700	6035			World Service: Eu/Af		3/27/92
1800	1900	Australia	R Australia	9860	9580	9505	7240	6080	6060	5995		As/Pac/PapNG		4/10/92
1800	1825	Belgium	BRT	17555	9905							Af/Eu		3/26/92
1800	1850	Brazil	R Bras	15265								Eu		7/17/90
1800	1830	Canada	R Canada Int'l/Af	17820	15260	13670						Af	Sa&Su -1900	10/24/91
1800	1827	Czechoslovakia	R Czechoslovakia	9505	7345	6055	5930					Eu		4/24/92
1800	2000	India	AIR	15360	11935							GOS/eAf		5/24/89
1800	2000	N Mariana Is	KHBI	17725	13840							ME/NZ	325/165 deg	4/17/92
1800	1855	Poland	Polish Radio Warsaw	9525	7145							Eu		1/31/92
1800	1900	South Korea	R Korea	15575								Eu		11/5/88
1800	2000	USA	VOA/Af	21625	17800	15580	15410	11920	9575			Africa		1/4/92
1800	2000	USA	WCSN	21545								e&sAf	105 deg	3/26/92
1800	2300	USA	WHRI/1	17830								Caribbean	157 deg	9/22/91
1800	2000	USA	WSHB/1	17510								eNA/Eu	25 deg	3/26/92
1800	1900	Russia	R Moscow	15535	15515	15510	15395	12070	11840	11770	9890	World Service	#6 v Cuba	4/2/92
1800	1830	Vietnam	V of Vietnam	15010	12020	9840						Eu		11/7/89
1800	2100	Kuwait	R Kuwait	13620								Eu		3/30/92
1800	1900	Guam	KSDA	13720								eAf	Sa-Su 285 deg	4/4/92
1805	1845	Swaziland	Trans World Radio	11835	11760	11740						eAf	only 1 freq/bnd used	6/5/89
1815	1900	Bangladesh	R Bangladesh	12030	9570							Eu/ME		10/1/91
1830	1900	Afghanistan	R Afghanistan	9635								Eu		1/4/92
1830	1900	Austria	ORF	13730	12010	6155	5945					sAf/ME/Eu		9/21/91
1830	1900	Finland	R Finland	11755	9730	6120						Eu/ME/Af		3/26/92
1830	1930	Iran	V of Islamic Rep of Iran	15260	9022	6030						ME/nAf/Eu/eNA		4/7/92
1830	1925	Netherlands	R Netherlands	21590	21515	9605	6020					s&eAf	#1&2 Bon #3&4 Mad	3/27/92
1830	1900	Yugoslavia	R Yugoslavia	15140	6100							sAf/Eu		4/3/92
1830	1900	Albania	R Tirana	9480	7120							Eu		4/3/92
1840	1848	Greece	V of Greece	15650	12105	11645						c&sAf	News/Eng ex Su	12/23/91
1840	1910	Mongolia	R Ulan Bator	11850	11790							wEu		3/27/92
1840	1855	Venezuela	R Nacional de Venezuela	9540								SA	news/Eng M-Sa	6/6/91
1845	1945	India	AIR	15080	11860	11620	9950	7412				GOS/w&nAf/wEu		1/24/92
1850	2140	New Zealand	R New Zealand Int'l	15120								Pacific	May 4 chg to 11735	3/27/92
1900	2000	Argentina	RAE	15345								Eu/Afr	M-F	10/29/91
1900	2100	Australia	R Australia	11720	9860	9580	9505	7240	6080	6060	5995	As/Pac/PapNG		4/10/92
1900	1930	Canada	R Canada Int'l/Af	17820	15260	13670						Af	M-F	10/24/91
1900	1930	Canada	R Canada Int'l/Eu	21675	17875	15325	13650	7325	5995			Eu	#5&6 v UK	3/26/92

2130	2150	Finland	R Finland	11755	9730	6120			Aus/eAs/Eu/ME/AF		3/26/92		
2130	2200	Israel	Kol Israel	17575	15640	15590	15100	11603	11587	LA/wNA/wEu/NA		3/26/92	
2130	2200	Lithuania	R Vilnius	9775	9710					Eu		3/30/92	
2130	2200	Kazakhstan	R Alma Ata	7230	6135	5915	5035					5/15/91	
2140	0800	New Zealand	R New Zealand Int'l	17770						Pacific		3/27/92	
2140	2155	Venezuela	R Nacional de Venezuela	9540						SA	news/Eng M-Sa	6/6/91	
2145	2400	Bulgaria	R Sofia	17825	15370	15135	11870	11720	9700	World Service: Eu/NA		3/27/92	
2200	2300	Australia	R Australia	17795	15365	15320	15240	13705	11880	11750	11720	As/Pac/PapNG	4/10/92
2200	2300	China	R Beijing	9740	3985					Eu	#1 Rus #2 Swiz -2230	3/7/92	
2200	2300	England	BBC	15070	9590	5975				WS: NA/CA/Carib		4/15/92	
2200	2225	Italy	RAI	15330	11800	9710				Japan		4/24/91	
2200	2230	Japan	R Canada Int'l	11705						seAs		4/16/91	
2200	2400	N Mariana Is	KHBI	15405	13840					China/Japan/Indon	310/240 deg	4/17/92	
2200	2205	Nigeria	R Nigeria	4990							News in Eng	10/11/89	
2200	2230	Switzerland	Swiss R Int'l	15570	12035	9885	9810			AF		3/26/92	
2200	2300	Taiwan	V of Free China	21720	17750					Eu	v WYFR	3/29/92	
2200	2250	Turkey	V of Turkey	11895	9445	7185				Eu/NAME		3/27/92	
2200	2400	USA	VOA/E As	17820	17735	15305	15290	15185	11760	9770	7120	eAs/seAs/Pac	1/29/91
2200	2400	USA	WCSN	15665						sEu/nAf	75 deg	3/26/92	
2200	2400	USA	WSHB/1	9465						eNA/Car	25/173 deg	9/22/91	
2200	2400	USA	WSHB/2	17555						cSA	152 deg	9/22/91	
2200	0200	USA	WWCR/2	12160								2/9/92	
2200	2300	USA	WYFR	21525	7355					Eu/AF		10/25/91	
2200	2300	Russia	R Moscow	21690	21480	15515	15480	11975	11860	11735	9890	World Service	3/30/92
2200	2300	Cuba	R Havana	11930	9620					Eu/Carib/sUSA		3/7/92	
2200	2225	Czechoslovakia	R Czechoslovakia	9505	7345	6055	5930			Eu	#1 v Russia	4/24/92	
2200	2230	Canada	R Canada Int'l/USA	13670	11905	9755	5960			USA		3/26/92	
2200	2230	USA	VOAME	15445	11960	11905	11895	9530	61600	ME/nAt/Eu		3/26/92	
2200	2400	United Arab Emirates	V of UAE	13605	11965	9605				NA		4/18/92	
2215	0100	Iraq	R Iraq Int'l	17740	11945					SA/NA	only partial English	4/8/92	
2230	2300	Albania	R Tirana	9725	7215					Eu		4/3/92	
2230	2300	Sweden	R Sweden	6065						Eu/At/ME		3/29/92	
2230	2400	USA	VOA/ME	17885	15445	15225	11960	11905	9530	ME/nAt/Eu		3/26/92	
2240	2248	Greece	V of Greece	11645						Aus	News/Eng	6/24/90	
2245	2300	Ghana	Ghana BC Corp	4915	3366						rx/English	9/9/90	
2245	2305	Vatican State	Vatican Radio	11830	9600					As/AusNZ		4/18/92	
2300	2330	Australia	R Australia	17795	15365	15320	15240	11880	11750	11720	As/Pac/PapNG	4/10/92	
2300	2330	Canada	R Canada Int'l/Carib	13670	11730	9755				Carib		3/26/92	
2300	2330	Canada	R Canada Int'l/LA	15325	11940					LA	Sa 300 -2400	3/26/92	
2300	0100	Costa Rica	AWR Costa Rica	11870	9725					CA/SA		6/19/91	
2300	2400	England	BBC	15070	12095	9590	6175	5975		WS: NA/CA/Carib		4/15/92	
2300	0100	Guam	KSDA	15610						seAs		3/26/92	

2300	2400	Japan	R Japan	17840	17810	15195	11815	11735	GOS/As/Eu/ME/AF	#5 v Gabon	3/26/92
2300	2330	Lithuania	R Vilnius	17690	17605	9710	9530		NA		3/30/92
2300	2350	North Korea	R Pyongyang	13650	11700				Am		2/24/91
2300	2330	Norway	R Norway Int'l	11795					NA/CA	Sa & Su only	3/26/92
2300	2310	Sierra Leone	SLBS	3316						nx/Eng	9/9/90
2300	0300	South Africa	Radio Orion	3320							4/21/92
2300	0800	USA	WHRI/1	9495					Caribbean	157 deg	9/22/91
2300	0300	USA	WRNO	7355					NA/CA	Spanish Tu-F	3/26/92
2300	2400	Russia	R Moscow	21690	21480	17890	15545	11975 11950 11860 11735	World Service		3/30/92
2300	2325	Czechoslovakia	R Czechoslovakia	9505	7345	6055	5930		Eu		4/24/92
2315	0115	India	AIR	17830	15145	15110	11745	9910	GOS/As		1/24/92
2330	2355	Belgium	BRT	13655	9930				SA/NA		3/26/92
2330	0030	Canada	R Canada Int'l/USA	13670	9755	5960			USA	Sa&Su -0100 #1 M-F	3/26/92
2330	0030	Iran	V of Islamic Rep of Iran	15260	9720	9022			NA		4/7/92
2330	2400	Vietnam	V of Vietnam	15010	12020	9840			Eu		11/7/89
2330	2400	Columbia	R Difusora Nacional	17862	11822					Sa freqs vary	2/8/92
2330	2400	Sri Lanka	SLBC	15425					wNA	Mo	3/26/92
2330	2400	Australia	R Australia	17795	15365	15320	15240	11880 11720	As/Pac/PapNG		4/10/92
2335	2345	Greece	V of Greece	11645	9425	7450			SA/CA	News/Eng	3/29/92

English Language DX Shows

By Day of Week

As Of 4/25/92

Compiled by Thomas R. Sundstrom, W2XQ

Day	Program	Xmsn Start Time	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	Communicator	0930	0930	Australia	R Australia	21725	15170	13605	11880	9580	9470	6080					4/10/92
Sunday	Communicator	1300	1330	Australia	R Australia	9580	7240	6080	5995								12/22/91
Sunday	Communicator	0400	0530	Australia	R Australia	21525	17880	17795	17750	17715	17760	17630	15365	15320			4/10/92
Sunday	Shortwave Panorama	1130	1130	Austria	ORF	17730	15450	13730	6155								4/1/89
Sunday	Shortwave Panorama	1330	1330	Austria	ORF	17730	15450										9/21/91
Sunday	Shortwave Panorama	1530	1530	Austria	ORF	11780											9/21/91
Sunday	DXers Unlimited	0300	0335	Cuba	R Havana	13700	11970	6180									3/7/92
Sunday	DXers Unlimited	0600	0735	Cuba	R Havana	11760											12/15/90
Sunday	DXers Unlimited	0000	0135	Cuba	R Havana	11970											12/15/90
Sunday	DX Party Line	0030	0240	Ecuador	HCJB	21455	15155	9745									3/29/91
Sunday	DX Party Line	0500	0510	Ecuador	HCJB	11925	9745										11/4/90
Sunday	DX Party Line	0030	0040	Ecuador	HCJB	21455	15155	9745									3/29/91
Sunday	DX Party Line	0030	0735	Ecuador	HCJB	21455	15155	9745									11/4/90
Sunday	DXers World Meeting	0100	0113	Germany	R Deutsche Welle	15105	13770	13610	11865	11810	9700	9565	6145	6085	6040	Su after last Sa/mo	5/17/91
Sunday	DXers World Meeting	0300	0313	Germany	R Deutsche Welle	15205	13770	13610	11890	11810	9700	9640	6145	6085		Su after last Sa/mo	5/17/91
Sunday	DXers World Meeting	0500	0513	Germany	R Deutsche Welle	13790	13610	11925	11705	9670	9515	6130	5960			Su after last Sa/mo	5/17/91
Sunday	DX Asiawaves	0200	0215	Guam	KSDA	13720											4/15/92
Sunday	DX Log	0200	0250	Hungary	R Budapest	11910	9835	6110									4/25/92
Sunday	DX Comer	1900	1920	Israel	Kol Israel	17630	17575	15640	11675	11605	11587						3/26/92
Sunday	DX Comer	2130	2150	Israel	Kol Israel	17575	15640	15590	15100	11603	11587						3/26/92
Sunday	Hello There	1400	1430	Italy	Italian Radio Relay Se	7125										mailbag show	11/8/91
Sunday	Hello There	0600	0815	Italy	Italian Radio Relay Se	7125										mailbag show	4/19/92
Sunday	Media Roundup	2300	2330	Japan	R Japan	17840	17810	15195	11815	11735							4/19/92
Sunday	Media Roundup	0330	0330	Japan	R Japan	17810	11870										3/26/92
Sunday	Media Roundup	0900	0930	Japan	R Japan	21610	17860	15270	11840								3/26/92
Sunday	Media Roundup	1500	1530	Japan	R Japan	11865											3/26/92
Sunday	Media Roundup	2100	2130	Japan	R Japan	17840	17810	11840	11815								3/26/92
Sunday	Bonaire Wavelength	0255	0330	Netherlands Ant	Trans World Radio	11930	9535										5/31/89
Sunday	AWR DX Program	0800	0815	Portugal	AWR Europe	9670											3/27/92
Sunday	DX Mailbag	0200	0245	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990						6/27/90
Sunday	SW Feedback	1800	1835	South Korea	R Korea	15575											11/5/88
Sunday	SW Feedback	1600	1635	South Korea	R Korea	9870	5975										11/5/88

Wednesday	For Radio Amateurs	0200	0245	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990		6/27/90
Wednesday	Sweden Calling DXers	0100	0110	Sweden	R Sweden	11730	9685						We after 1&3 Tu/mc
Wednesday	Sweden Calling DXers	0200	0210	Sweden	R Sweden	11705	9695						9/24/91
Wednesday	DX Programme	0100	0100	Uzbekistan	R Tashkent	7265	7190	5955	5930				Mo after 4th Su/mo
Wednesday	World of Radio	0000	0300	Costa Rica	R for Peace Int'l	21465	15030	13630	7375				4/3/92
Wednesday	R Sofia Calling	2145	2330	Bulgaria	R Sofia	17825	15370	15135	11870	11720	9700		4/15/92
Thursday	DXer's Special	0200	0235	Argentina	RAE	11710							4/17/92
Thursday	DX Special	0000	0010	Czechoslovakia	R Czechoslovakia	11990	9540	7345					4/24/92
Thursday	DX Special	0400	0410	Czechoslovakia	R Czechoslovakia	9540	7345	5930					4/24/92
Thursday	DX Special	0300	0310	Czechoslovakia	R Czechoslovakia	9540	7345	5930					4/22/92
Thursday	Ham Radio Today	0500	0530	Ecuador	HCJB	11925	9745						4/22/92
Thursday	Ham Radio Today	0030	0300	Ecuador	HCJB	21455	15155	9745					4/22/92
Thursday	Ham Radio Today	0030	0100	Ecuador	HCJB	21455	15155	9745					4/15/92
Thursday	Waveguide	0030	0130	England	BBC	12095	9915	9590	7325	6175	5975		4/25/92
Thursday	DX Log	0200	0250	Hungary	R Budapest	11910	9835	6110					4/4/91
Thursday	Media Network	0930	0950	Netherlands	R Netherlands	11895	9720						3/26/92
Thursday	Media Network	1930	1950	Netherlands	R Netherlands	21590	17605						3/26/92
Thursday	Media Network	1730	1750	Netherlands	R Netherlands	21590	21515	9605	6020				3/26/92
Thursday	Media Network	1530	1550	Netherlands	R Netherlands	21665	17605	15150	9890				3/26/92
Thursday	Media Network	1330	1350	Netherlands	R Netherlands	21655	17605						3/26/92
Thursday	Media Network	1230	1250	Netherlands	R Netherlands	9855							11/29/89
Thursday	Media Network	0730	0750	Netherlands	R Netherlands	11895	9630						biweekly
Thursday	Mailbag	0800	0830	New Zealand	R New Zealand Int'l	9700							3/27/92
Thursday	Media Network	0130	0150	Netherlands	R Netherlands	13700	11655	9860					3/26/92
Thursday	R Sofia Calling	0300	0445	Bulgaria	R Sofia	15160	11765	11720					3/27/92
Friday	DX News	2100	2150	Hungary	R Budapest	11910	9835	6110					4/25/92
Friday	Media Network	0030	0050	Netherlands	R Netherlands	13700	11830	11655	9860	6165	6020		3/17/89
Friday	Media Network	0330	0350	Netherlands	R Netherlands	9590	6165						3/17/89
Friday	Mailbag	1850	1930	New Zealand	R New Zealand Int'l	15120							biweekly
Friday	DX Show	1630	1645	Portugal	R Portugal	21515							3/15/92
Friday	DX Show	2000	2015	Portugal	R Portugal	11740							2/13/92
Friday	DX Show	2100	2115	Portugal	R Portugal	15250							9/27/91
Friday	World of Radio	1000	2115	USA	WWCR/1	15690							4/3/92
Friday	Radio Ham Corner	2100	2120	Yugoslavia	R Yugoslavia	11735	6100						biweekly
Friday	Radio Ham Corner	1830	1850	Yugoslavia	R Yugoslavia	15140	6100						3/26/92
Friday	Radio Ham Corner	1130	1150	Yugoslavia	R Yugoslavia	21605	17740	17710					biweekly
Friday	World of Radio	0000	2000	Costa Rica	R for Peace Int'l	21465	15030	13630	7375				3/27/92
Friday	Media Network	0230	0250	Netherlands	R Netherlands	13700	11655	9860					3/26/92
Friday	R Sofia Calling	1945	2000	Bulgaria	R Sofia	15370	15160	11735					3/27/92
Friday	R Sofia Calling	2145	2230	Bulgaria	R Sofia	17825	15370	15135	11870	11720	9700		3/27/92
Saturday	Radio World	0900	0905	Belgium	BRT	13675	9905						3/26/92

Publisher's Page

Bill Oliver
45 Wildflower Road
Levittown, PA 19057



WANTED: I would like to buy the following receivers in good condition and reasonably priced. Kenwood R-1000, Sony ICF-6700 or 6800, ICOM R-1, and Sony SW1S or SW1E. I am also looking for radio hobbyists to correspond with by tape. Topics of discussion restricted to radio-related subjects. All tapes returned. Dave McLaren, P.O. Box 665, Sheffield, IL 61361. Phone (815) 454-2204 anytime.

WANTED: Gilfer M-1 Mult-Tuner (cir. 1975). Made in England. Also looking for 1965, 1967, 1969, and 1971 WRTVh. Ed Kusalik, 2117 10 St. "A", Coaldale, Alberta, Canada T0K 0L0. Phone (403) 345-5439. No collect calls, please.

FOR SALE: ICOM ICR-71 in mint condition with original box, wireless remote control, voice module, and external speaker. One year old. \$699.00. Victor Orlando, 1711 Robinson Ave., Havertown, PA 19083. Phone (215) 853-2878.

WANTED: R388/URR and R390A/URR receivers, preferably not working, and/or any parts for these two units, especially panel units for the R390A/URR. Shawn Daniels, 335 Bowles Ave., St. Louis, MO. 63026. Phone (314) 343-5263. Please leave a message if answering machine is on.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 475 WRTH-92 transmitter sites including new Russian Republics. ITU Country Codes included. Send your location or coordinates. Price \$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 Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398, not collect.

FOR SALE: KIWA Electronics Map Unit with microclip pickup, \$260.00 including shipping. Jim B. Cooper, Sr., P.O. Box 792, Brandon, MS 39043. Phone (601) 825-8108 after 2300 UTC.

FOR SALE: NASWA FRENEX and Journals, 1979-91 complete, \$100.00. Mixed box of radio magazines, articles, 1930's SWL QSL's, IRCA, SWL club bulletins, catalogs. Hundreds of items, \$50.00. Take everything for \$125.00. Tom Mooningham, P.O. Box 487, Maugansville, MD 21767-0487. Phone (301) 791-0834.

FOR SALE: Panasonic RF-2200 portable worldwide SW receiver in good condition with manual. \$110.00 firm. Price includes shipping and insurance. John Murphy, 201 West Glencove Ave., Northfield, NJ 08225.

FOR SALE: Datong FL-3 Audio Filter, \$175.00. **WANTED:** Sangean 818CS. C. Blatter, 610 West Sunset Drive, Redlands, CA 92373-7240. Phone (714) 792-4184.

FOR SALE: Drake SPR-4 communications receiver. Covers basic SW BC band frequencies plus tropical bands in crystal-selected 500 kHz ranges. Non-digital readout accurate to 1 kHz. IN very good condition with owner's manual, factory noise blanker and crystal calibrator installed. Modified with narrow (2.8 kHz) SSB filter usable in AM mode and AVC on/off switchable. Asking \$250.00 plus shipping. **ALSO:** Yaesu FRG-7 general coverage receiver in very good condition with owner's manual and original carton. Modified with narrow (4 kHz) Radio West AM filter in place of original 6 kHz Yaesu filter. Asking \$200.00 plus shipping. Price is negotiable. Michael Bolitho, 718-200 Rideau Terrace, Ottawa, Ontario, Canada K1M 0Z3.

FOR SALE: Back issues of ACE (Feb. 1990-91); SPEEDX (Aug. 1989 through Feb. 1992); NASWA Journal (Nov. 1989-91 and Jan. Feb. 1992); SWL Jan. 1990-Mar. 1991 bi-monthly); Monitoring Times (Feb., Jul.-Sep, Nov., Dec., 1989 - Dec. 1991, Feb. 1992) Best offer, group or individual. RDI White Papers (ICOM R-71A, NRD-525, Kenwood R-5000, indoor and outdoor antennas) \$2.50 each. 1-100'+ length of RG-213 50 Ohm coax (unused), \$2.00. One reel of RD-213, 200'+, \$45.00. One reel of RG-59U, 500'+, \$50.00, all unused. Prefer selling to New Englander who can pick up. Chip Karcheski, 23 Gail Drive, Holden, MA 01520-1710. Phone (508) 829-6120 after 5 pm, not collect.

KHMER - *The Voice of the Great National Union Front*, the Khmer Rouge radio, switched back to 5408 kHz, from 5200 kHz, on 3/7. (WBI 3/20)

KIRIBATI - *Radio Kiribati* is now often audible here in Finland. This exotic station from the Pacific is heard almost every evening at around 1830-2000 UTC on 14917,6 kHz/USB. I heard them last night here with interesting folk-music from the Pacific islands. Very clear ID's both in local languages and in English before the news in English. The station has recently increased power from 250 Watts to 5000 Watts. This explains the increased reception on the other side of the globe. Try now before they get too many reception reports and the staff becomes tired of them! (Jorma Mantyla, Univ. of Tampere, Finland, via usenet's rec.radio.shortwave, via Ben Krebb)

KYRGYSTAN - *Kyrgyz Radio* has a daily EE news bulletin at 0010-0015 on 4010 kHz. (WBI 3/27)

KUWAIT - *Radio Kuwait* has reintroduced a second shortwave transmitter. The main domestic Arabic service noted in UK at 0400-???? on 6055, 15345; ???-1300 on 11990, 15495; 1300-1430 on 11990, 21675; 1730-2300 on 15505. The English service appeared for the first time since 8/90. Heard daily on 13620 at 1800-2100. No mention of 13620, only 1341 MW mentioned. (WBI 4/3)

LEBANON - *High Adventure Ministries*, Marjayoun, heard with separate programming, both in EE, on 6280 and 11530 kHz at 1900. *Wings of Hope* on 11530 had RR at 1930, ID in EE at 2000, then Ukrainian. (AC on DXPL 3/22)

LIBERIA - *ELBC Monrovia* audible here from s/on around 0650, with English news 0700, then English religious feature, 7275. Fade-out around 0730, long-path, 4/17. (Bob Padula)

LITHUANIA - *Radio Vilnius* programs are broadcast from Khabarovsk on 17690; from Moldova on 11860, from Petropavlovsk-Kamchatskiy on 17605, and from Krasnodar on 9530 kHz. Krasnodar replaced the transmission from the Ukraine because of the costs. (Radio Vilnius, via WBI 3/27)

LUXEMBOURG - *Radio Luxembourg*, 153350; 2100-0200 EE news & pop music; powerhouse signal almost daily since 3/13. RNMN said 3/12 the power is still 10 kW, but I don't believe it; has sounded like 100 kw or 250 kw for years, strong than BBC or DW, even when conditions are poor. (Ernie Behr)

MADAGASCAR - *R. Netherlands'* Madagascar relay was putting a very useful signal into Eastern North America on 9890 kHz at 0150-0255 in late March. This xmsn carries the first release of Media Network at 0220 Thurs UTC. (RNMN 4/2)

MALTA - *The Voice of the Mediterranean* has introduced a new DX program which will specialize in technical questions. It's aired every second Monday at 1400 on 11925 kHz, and repeated at 0600 Tuesday on 9765 kHz. The address is Voice of the Mediterranean, P.O. Box 143, Valletta, Malta. (Edwin Southwell, WDXC Contact, on DXPL 3/22)

MOLDOVA - Per a report on WoR 4/10, via WBI, *Radio Vilnius* is using a transmitter in Moldova on 11860, never listed or reported anywhere in the past. Heard at 0100 in Lithuanian. Also heard *R. Yerevan* on 11860, from 0230 in Armenian, 0252 English, very strong 4/4. (Ernie Behr)

MOZAMBIQUE - *Voice of Renamo* announced that from 4/3 the evening transmission would run 1600-1700 on the 31-mb on shortwave and on 9860 MHz (as heard). Announced it would broadcast a special program for the Mozambique National Resistance armed forces as of 4/4. (WBI 4/3)

NETHERLANDS ANTILLES - *Trans World Radio*, Bonaire, from 4/16 extended its evening Spanish broadcast. It now runs 0055-0230 on 11930 & 15375. (TWR)

NEW ZEALAND - *Print Disabled Radio*, Levin, has acquired a transmitter from the Waikane Museum (!!) for use on 7290 kHz; power not given. The 41m freq is temporary for 1992, pending the outcome of local coverage studies and WARC 92. (Alan Little, PDR, in NZ DX Times, on DXPL 3/22) When the xmtr is converted to 41m it will probably relay 2XA between 1830-2200 Mon/Fri and 1800-2100 Sundays. (Mark Irwin on DXPL 3/22)

An *RNZI* staff announcer broadcast the following sked on 3/29, just before RNZI Mailbox: 1650-1850 on 9670 kHz; 1850-2140 on 15120 kHz; 2140-0800 on 17770 kHz; 0800-1200 on 9700 kHz. This is the same sked that AC included in a dispatch to RNMN about 3/12, but Tony King used

a different sked on 3/15. 11735 is to replace 15120 on 5/4. (Mike Fern--CA) BBCM shows the same sked, except 9675 at 1650-1850, instead of 9670. (WBI 3/27)

The New Zealand government has come to the rescue of its financially stricken national radio network with plans for a multi-million-dollar capital injection and partial privatization. State-Owned Enterprises Minister Maurice McTeague says that without the bailout, Radio New Zealand's bankers would have called their loans, forcing the broadcaster into silence. McTeague said if the Crown (the government) had been prepared to do nothing in the case of R. New Zealand, ultimately, on a day fairly soon, somebody would have turned the power off and broadcasting through R. New Zealand would have just stopped dead. All the staff would have been made redundant and the Crown would have lost all the money that it had in the investment. Radio New Zealand, established 67 years ago, operates two non-commercial networks and about 30 commercial stations throughout the country. Private radio stations operating since 1969 compete with state radio in most areas. The network's problems stem from lower advertising revenues, claims on its assets by the indigenous Maori people, and recent purchase of a commercial station whose ratings have since plummeted in the intensely competitive Auckland market. R. New Zealand laid off 130 staff last year and wants to sack more, but cannot afford the redundancy payments. Under the restructuring, the government will pour in an unspecified amount of money, estimated by some sources to be as much as US\$5.5 million, and sell off the commercial stations. The non-commercial stations will continue to be funded by the public license fee. Prime Minister Jim Bolger said it was possible that R. New Zealand would not entirely cast off its commercial mantle if radio stations in provincial areas were threatened with closure. McTeague said the government should not be seen as a willing backer of state businesses that came upon hard times and in the end social and commercial logic prevailed. (DXPL 3/28, unattributed, probably a New Zealand daily)

RNZI is now carrying the BBC program "News Desk" from 1100-1130 on 9700 kHz. The experimental lease will last six months. The program is beamed to Asia. This is the first time that BBC WS has been relayed in the Pacific area since WW2, when Radio Australia carried some programs from London. (AC on RNMN 4/9) [The ABC Home Service also carried BBC news on a regular basis from *1939-45*.--mf]

NORWAY - Oslo on new 11770 with Norwegian 0000-0030, 4/11; English to Australia *2100-2130* on new 17735 - terrible QRM VOA-PHL co-channel also with English to same area! 4/11; English on new 11795 *0000-0030* to Americas, bad QRM DW-Novosibirsk co-channel in German 4/11. (Bob Padula)

Radio Norway International sked: (all 30 minutes daily in Norwegian except * = EE Su/Mo, \$ = EE Sa/Su) 0000 11770 11795 15165* 17730; 0100 9615* 11930; 0200 9565 11720 11930*; 0300 9560 11720 11865; 0400 9560* 11865* 11870 15175; 0500 7215 9590 15175 17780; 0600 9590 15175 17780; 0700 9590 11740 17755; 0800 17740 21595; 0900 17740 21705; 1000 15165 21595; 1100 17785 21705; 1200 15355 17795 17860\$ 21705\$; 1300 9590\$ 15270\$ 15355 17860; 1400 15355 17795 17860; 1500 15355 17860; 1600 15230\$ 15270 17720\$ 21705; 1700 9655\$ 15220; 1800 15220 17720 17760; 1900 15250 17860\$ 21705\$; 2000 11740 15165; 2100 9590 (Mo-Fr) 17735\$ 21705\$; 2200 17735 21705; 2300 11795\$ 15165 17730. (WBI 4/3)

PALAU - John Tayloe of High Adventure Ministries says the Palau SW xmtr had been authorized, as of 3/31, 11980 kHz from 2000-0800 and 9850 kHz from 0800-1600. English has been scheduled for 0300-0800. The rest of the sked is Standard Chinese. "The Voice of Hope for Asia" was expected to begin broadcasting 18 hours daily about 4/19. The mailing address is P.O. Box 93937, Los Angeles, CA 90093. However, Radio Moscow World Service in EE is being heard in CA on 11980 from 0400-0700, and a Russian-language service is heard on the same beam and freq from 0715-0800. If this affects reception in North China, Palau's 25m freq might be changed. (Mike Fern--CA 4/2) It seems I mis-corrected the spelling of Mr. Tayloe's name last month. Sorry. (df)

The *Voice of Hope* for Asia was expected to begin testing with a 6 kw backup xmtr Sunday, 4/19. The 100-kw xmtr was not working, or at least not quite ready, on 4/8. (Don Myers, KVOH chief engineer, on RNMN 4/9)

PAPUA NEW GUINEA - R. Central, Port Moresby, 3290 kHz, noted signing off 1259 in Hiri Motu & English, then anthem. R. Northern, Popondetta, 10 kw on 3345 kHz, pgm of western pops, then closing anmts in EE 1259. (Sam Dellit, Pimpama, Queensland, Australia)

PERU - R. Estacion C, Moyobamba, Peru, 6322.1 kHz, heard at 1135 with "Radio Periodico" program. R. Horizonte, new, 4330 kHz, Chiclayo, heard at 0949. (Cecilia de Salas, Lima, in Onda Corta, Argentina, on DXPL 4/4) Also heard by Dave Valko, PA, on 4331.1 kHz at 1055 with at least three IDs, weak but readable signals. Slogan understood as Radio Horizontes. (Fine Tuning, on DXPL 4/1)

R. Madre de Dios, Puerto Maldonado, 4950 kHz, heard at 0000 with ID in SS; reception in Quito fair to poor. (KMH/QLB/DXPL 4/4) **La Voz de la Selva**, Iquitos, 4825 kHz, heard at 0015 with children singing followed by ID "Esta es La Voz de la Selva, La Gran Familia del Aire."; pretty good signals in Quito. (KMH/QLB/DXPL 4/4) **R. Cutervo**, Cutervo, 5660.5 kHz, heard at 0147 with music and anncts. (KMH/QLB/DXPL 4/4). **R. Eco**, Iquitos, 5097 kHz, at 0150 with music. (KMH/QLB/DXPL 4/4). **R. Andino**, Huancayo, 4996 kHz, heard at 0155 with music; signals rather poor. (KMH/QLB/DXPL 4/4)

PHILIPPINES - **FEBC Radio International** sked since 3/1; **English 0000-0200** (-0230 Mo-Fr) on 15450; 0900-1100 on 9800 & 11690; 1300-1600 on 11995; and in Tagalog & English at 2200-2315 on 6030 kHz.

Other Languages: 0115-0130 Burmese, 0130-0145 Kuki/Meithei, 0145-0230 (Sa/Su) Indian languages, all on 15465. 0300-0500 Chinese on 15095; 0500-0900 Chinese on 12020; 0830-0900 Javanese on 11995; 0900-1400 Chinese on 9850; 1400-1600 Chinese on 9820 & 9850; 0900-1000 Indonesian on 11995; 1000-1045 Amoy on 9820; 1000-1030 Minangnese on 11995; 1015-1045 Malay on 15100; 1045-1115 Aceh on 15100; 1045-1130 Swatow on 9820; 1100-1130 Hmong on 11690; 1115-1200 Vietnamese (including Vietnamese tribal languages) on 9660 and 15100(to 1145); 1130-1330 Cantonese on 9820; 1130-1200 Laotian on 11690; 1145-1230 (including Burmese tribal languages) on 15100; 1200-1300 Cambodian on 11690; 1200-1300 Vietnamese on 9660; 1230-1400 Burmese on 15100; 1230-1300 Zhuang on 9820; 1300-1330 Vietnamese (inc. tribal languages) on 9660; 1330-1345 Brumese (inc. tribal languages) on 9660; 1330-1400 Zhuang on 9820; 1400-1430 Burmese (inc. tribal languages) on 15100; 1600-1900 Russian, Ukrainian, German, Belarussian, on 9845v; 2200-2400 Chinese on 9815; 2215-2230 Sa/Su Khmu on 9875, 2230-2315 Cambodian on 9495; 2230-2325 Indonesian on 9780; 2230-2300 Laotian on 9875; 2300-2315 Akha on 11650; 2300-2330 Hmong on 9875; 2315-2330 Lahu on 11650; 2330-2345 Wa on 11650; and 2345-0030 in Shan/Chinese on 15515. (WBI 4/10)

POLAND - **Polish Radio** heard on 11840 from 1500-1555* in English; fantastic signal & audio, best ever heard, but only one day, 4/6, when R. Moscow relay was off; //9525 weaker. The distorted Cuban relay on 11840 is totally useless and should be taken off the air. (Ernie Behr)

PORTUGAL - **Radio Portugal** advises use of 17595 (in extended band) from 3/29, 0700-0900 Sa/Su and 1000-1200 Mon-Fri in Portuguese to Timor. As far as I know, this is first use of extended band by Radio Portugal. (Bob Padula)

RUSSIA - The Russian language **Radio Moscow World Service** has been transferred to the All-Russian State Television and Radio Broadcasting Company and now identifies as the **Voice of Russia**. The **Radio Moscow World Service in English** continues to operate as part of **Radio Moscow International** under the auspices of the Ostankino Television and Radio Company. (WBI 4/3)

The North American Service in English of **Radio Moscow World Service** is still in business, but with reduced facilities. The new sked for WNA is 0300-0700 UTC on 15425, 15240 and 12050 kHz, 0500-0700 on 17690 kHz [!] and 0530-0700 on 13665 kHz. The regular Radio Moscow World Service in EE is carried on 11980 kHz from 0400-0700. (Mike Fern--CA)

Radio Moscow's Standard Chinese service announced a new sked from March 29: a single block of 12 one hour transmissions running 0400-1600, replacing three hours in the morning, two at lunchtime, and seven in the evening. There is no change in overall broadcasting output. (WBI 4/3)

Contrary to expectations, there appear to be no reorganization or cutbacks in respect of **Radio Moscow** services beamed to Europe, Africa, the Americas and the Middle East. Research on broadcasts to Asia is continuing. (WBI 4/3) RMWS reported 4/12 they've been getting dozens of letters from all over the world concerning the disappearance of many former RMWS frequencies. (RMWS via WBI 43/27)

Radio Moscow's Japanese service will remain on the air with the current sked even after the introduction of summer time. (Yoshiaki Hayashi on RJDXC 3/22)

Radio Space noted 3/15 on 11945 at 1500-1545, mostly western pop music, IDs in RR & EE. Announced as daily. (WBI 3/20) Sked is 1400-1445 on 12075, since 3/29. (WBI 4/10)

Radio Radonezh, a radio of the Russian Orthodox Church, noted in RR 3/15 on 11675 at 1230. Announced as daily at 1230-1430 on 25.7 meters, 11.7 MHz. Gave address as 113326, Moscow, ulitsa Pyatnitskaya No. 25. (WBI 3/20)

Radio Pamyat's current sked, monitored in early March: 1430-1600 on new 12030, ex 15410; 1600-1900 on 12060; 2300-2400 on 6145 kHz. After 3/29, 12030 will become 12040 kHz. Russia will change to summer time on 3/29, so the sked may change again. (Yoshinori Kato and Shigenori Aoki on RJDXC 3/22) **R Stantsiya Pamyat** on 12030 *1430-1559* in RR rel pgm, IDs & musical IS; fair 3/29, but has moved since April. (Ernie Behr)

Radio Studio Dvzhenie, Ekaterinburg, expanded its schedule during the winter: 0100-1200 on 6200 kHz and 1200-1600 on 6090 kHz. (Alexey Osipov, USSR, on DXPL 3/28)

R. Polis, St. Petersburg is on both MW and SW. The SW freq is 6045 kHz, from *0600-1400. The MW freq is 1260 kHz, in use from 0430-0830; it carries pop music and commercials. (Alexey Osipov, USSR, on DXPL 3/28) Sked is 0330-1300 in Russian on 1260 & 6045. (WBI 4/3)

The **Audio Book Club** is a Radio Moscow feature in English, which is repeated several times to NA in the course of a week. These are readings, not dramatizations. The offering the week of 4/5 was Pushkin's "The Queen of Spades" (Pique Dame). Also, RMWS in EE is admitting the existence of its 60m xmtrs in regular meter-band anncts. (Mike Fern--CA)

A Russian commercial b/c firm, **Open Radio**, is renting 918 kHz MW, formerly used by R. Moscow World Service. It has EE from 0700-0900 Moscow time, and relays other EE services from 1900-2400. Since it originates nothing between 0900-1900 (Moscow time) it relays Radio Moscow World Service in EE. R. Liberty is relayed by Open Radio from 2000-2200. This is a barter deal which benefits R. Liberty greatly; it boosts their audience in the Moscow area and costs them very little in Gramm-Rudman dollars. VS understands Open Radio is talking to WCSN, Deutsche Welle, and CNN. The BBC World Service is heard at various times during the day on SNC, a rock station on 1260 kHz in Moscow, which carries mostly music programs. (VS on RNMN 4/2)

Radio Novaya Volna, Moscow, heard on 17760 kHz from 1700-1759 in Russian; talk by man and woman; occasional English IDs. Thought to be sked TuWedFriSun only. (Brian Alexander in Fine Tuning, on DXPL 4/4)

R. Yunost, Moscow, part of Radio 2 network, heard on 4740 kHz at 0035 with pop music, telephone talk, all in RR except for ad for LOT airlines in EE. (Jerry Berg, MA, in Fine Tuning, on DXPL 4/4) **R. Yunost** on 7490-usb, from 1400 RR nx, 1415 EE ID & phone numbers, requesting ads; also RR ID as **Maladyozhntly Kanal** or **Youth Channel**; good 3/22. (Ernie Behr)

Radio Tikhy Okean, Vladivostok, heard with very good signals 0715-0800 4/8 on 11980 and 12050 kHz; mostly news and features in RR. 11980 carries the RMWS EE service, // 12050, from 0500-0700. (Mike Fern--CA)

Radio Rezonans sked is 0300-0500, 1100-1200, 1800-2000 on 11945 kHz. (WBI 3/27)

Radio SNC sked in RR 0200-2400 on 11735. Has BBCWS 0400-0500 & 1300-1400. (WBI 4/3)

R. Stantsiya Galaktika, 9720, from *0200 RR pop mx & ID, till 2259*; strong 3/19, but QRM from Iran till 2200. (Ernie Behr)

Deutsche Welle excursions commencing Z92 for the Russia relays as heard here 4/11 include: 12045 Novosibirsk Indonesian *2230-2320*, 11795 Novosibirsk German *2200-0000*. Three sites are currently used for these relays - Novosibirsk 9875 11795 12045 15350 15535 15560 (1000 kW except 15350 250 kW), Shigulewsk 13690 15560 17675 17735 (all 250 kW), Irkutsk 15350 250 kW. (Bob Padula)

Complete sked for **Adventist World Radio-Russia** is: 0000-0100 Burmese 9835; 0100-0200 English 11855; 0200-0300 Hindi 11855; 0300-0500 Indian langs 11855; 0500-0700 Russian 11855; 0700-0800 English 11855; 0900-1200 Chinese 11855; 1200-1300 Burmese 11855; 1300-1400 English 11855; 1400-1500 Hindi 11855; 1500-1700 Indian langs 11855; 1700-1900 Russian 9835; 1900-2000 English 9835; 2100-0000 Chinese 9835. Addr for reports is: AWR-Europe, P.O. Box 383, 47100, Forli, Italy. From 1/3 all AWR stations will use the same common ID: "This is Adventist World Radio, the Voice of Hope". [AWR-Asiawaves; Alok Dasgupta, via ADXN]

AWR via Novosibirsk doesn't put in much of a signal here in Melbourne, either on 9835 or 11855. 9835 blocked for much of the time by Budapest co-channel, and WYFR on 11855! 9835 in clear 2300-0000 with Chinese, when Budapest off, as at 4/11. (Bob Padula)

AWR, Novosibirsk, was heard in Japan in mid-March from *1200-1500* on 11855 kHz. The xmsn suffered QRM from the Voice of Free China on 11860 kHz. The language was EE from 1300-14, then a local language from Asia. The station ID was given in EE as "Adventist World Radio, The Voice of Hope," but there was nothing in particular to indicate that the broadcasts came from Russia. AWR Russia had announced it would start the service on March 1. That same announcement gave the broadcast time as 0100-0800 and 0900-1700 on 11855 kHz. In Japan, however, the station cannot always be heard in this time slot. It is probable that the station has not yet started full operation. (Taku Yasahara, Hiromi Kiyanisawara, and Yoshiaki Hayashi on RJDXC 3/29)

Heard since 3/22 from 1300 in English under RCI; 1400 clear in Hindi to 1655*; strong sig. Also 4/4 from 0600 RR, 0700 EE, but weak audio. (Ernie Behr, Kenora, Ontario)

Heard on 11855 kHz at 0745 in EE; returned with Mandarin at 0900; signals held up well until 1130*. CC sked is 2100-0000 on 9835 kHz and 0900-1200 on 11855 kHz. (Jerry Berg, MA, in Fine Tuning, on DXPL 4/4)

FEBC Russia, operates on 1224, 4060 USB (feeder?), 5965 & 9560 at 0900-1030. Languages are RR, EE & KK. Addr: P.O. Box 2128, Khabarovsk 680020, RUSSIA. [NDXC Newsletter, via ADXN]

Tooru Yamashita, presenter of Radio Japan's DX program in Korean, called, and later visited, **FEBC Korea** in Seoul to find out about **FEBC Russia**. It received authorization as a corporate body from the Russian government on 2/21. According to FEBC Korea, FEBC Russia is associated with the FEBC group. However, to emphasize that it is a Christian radio station in Russia, they call themselves *Far East Christian Broadcasting* instead of *Far East Broadcasting Company*. FEBC Russia began broadcasting March 3 using a facility in Khabarovsk, but they intend to begin construction of their own facility in August, which is expected to be operational in summer 1993. The Russian program is now produced in the U.S. and the Korean program which started on March 15, was initially broadcast live from Khabarovsk by FEBC Korea vice-president Song Yong-Pil ("John Song" in WRTH 92). From here on, the Korean program will be produced in FEBC Korea. With the startup of FEBC Russia, FEBC Korea, Seoul, callsign HLKX, on 1188 kHz, cancelled its Russian service on Feb. 29, and the callsign HLAZ, (Cheju), 1566 kHz, will decrease its Russian service in the near future. (Tooru Yamashita on RJDXC 3/22 & 3/29) [FEBC Hq. says no construction planned at this time; John Song still in Russia 3/23. I assume "facilities" means studios and offices; they need a site first, then they need plans.--mf] Their transmitters were used for jamming during the Cold War. The broadcasts on 1224 MW & 9560 SW are from Khabarovsk. 4060 usb and 5965 are from Komsomolsk. The powers are 10 kw for MW and 20 kw for SW. At present, broadcasts are at 0900-1030 in Russian and Korean, but longer broadcasts and the use of additional MW transmitters are also being considered. The station will probably soon be on the air on 783 kHz MW from Blagoveschensk (1200 kw) and on 630 kHz from Komsomolsk (500 kw). The staff in Khabarovsk are thinking of halting some of the SW frequencies when these MW frequencies are available. (RJDXC 3/29) [WRTH 92 says 783 kHz is 75 kw at Spassk Dalniy and 630 kHz is 100 kw at Komsomolsk, but this could be Bolshevik disinformation submitted before the August coup.--mf]

SAUDI ARABIA - I still see incorrect loggings of "Yemen" on 4852.5, which is a spurious transmission from Riyadh, half of 9720. This has been observed for several months, and well heard here in Melbourne in period 2100-2200. Parallel with 11685 and 9885, as at 4/11. (Bob Padula)

SOMALIA - A station broadcasting in supprt of Somali interim president Ali Mahdi Muhammad has been heard since 1550, 3/15. IT IDs as *Radio Mogadishu, The Voice of the Somali Republic*. This is the same ID used by the station on 962 kHz, which is controlled by General Muhammad Farah Aydid, Chairman of the United Somali Congress (USC) and Ali Mahdi Muhammad's bitter rival. Both radios also use the same signature tune for news bulletins. Both stations carry their main evening news bulletin in Somali at 1700. The following schedule is compiled from initial monitoring observations: 0400-0500 & 1600-1800 on 6958 kHz; 1000-1100 & 1400-1600 on 9467.2 kHz; the latter frequency uses USB plus carrier. (WBI 4/10) The 1400-1600 transmission had been reported in WBI 3/27 to be on 9475, ex 9467.2. (WBI 3/27) But, since 3/25 has been on 9495 kHz, ex 9475, ex 9467.2. (WBI 4/3)

SOUTH AFRICA - From 5/3 *Radio RSA* will extend hours: 0200-0400 to Indian Ocean Islands, EAF & NAF on 7270 kHz. 0300-0500 on 5960; 0400-0600 on 9695 kHz; 0600-0700 on 15220 kHz. The evening xmsns, cut one hour, will be 1600-1800 on 9565 & 11885 kHz. (R.RSA via WBI 4/17)

SRI LANKA - The *Sri Lanka B/C Corp.* failed to inform VG that its service for the U.S. was scheduled only one night a week: 2330-2400 Mon UTC on 15425 kHz and 0445-0515 Tues UTC on 15425 and 9720 kHz. (VG on RNMN 3/26) [The beam from Sri Lanka is directed northeast toward the Pacific Coast. 15425 kHz is a primary Radio Moscow World Service freq for NA, from Petropavlovsk. It's very doubtful that SLBC will get through on 19m.--mf]

Colombo on 15425 kHz was heard in Boston at 0038 UTC Tues 3/31 with fair signals and lots of QRM from Petropavlovsk on the same freq. This was SLBC's "All Asian Service", beamed more or less due north, 38 minutes after the once-weekly xmsn intended for NA signed off. (Lou Josephs on RNMN 4/2)

SWAZILAND - TWR sked: English 3200 1800-2100; 3240 1800-2115; 5055 0430-0500; 5965 0430-0700; 7200 0600-0835(-0850 Mo-Sa); 9510 1700-1730 9620 1600-1700, 1800-1845; 9655 0430-0530; 11740 0430-0835(-0850 Mo-Sa). 0300-0330 Ndebele 3200; 0300-0345 PP 3365; 0300-0345 Shona 3240; 0300-0330 Swahili 7290; 0345-0350 Mo-Fr PP 3365; 0400-0430 Chewa; 0400-0430 GG; 0400-0415 Lomwe; 0430-0500 EE 5055; 0430-0700 EE 5965; 0430-0530 EE 9655; 0430-0835 EE 11740; 0530-0615 Sa/Su Chewa 9655; 0600-0835 EE 7200; 0615-0645 Sa Chewa; 0835-0850 Mo-Sa EE 7200 & 11740; 1440-1445 Mo-Fr PP 9515; 1445-1530 PP 9515; 1445-1500 Yao 11805; 1500-1515 Malagasy 9650; 1515-1545 FF 9650; 1530-1545 Lomwe 9515 & Urdu 15380; 1600-1700 Chewa

9510; 1600-1700 EE 9620; 1600-1645 Tshwa 4760; 1630-1700 GG 5055; 1700-1730 EE 9510; 1700-1800 Swahili 9620; 1700-1730 Tswana 5055; 1700-1830 Zulu 3240; 1730-1745 Sa/Su Pedi/Tswana 4760; 1745-1830 Shona 4790; 1800-2100 EE 3200; 1800-1845 EE 9620; 1800-2115 EE 3240; 1800-1830 Ndebele 3240; 1830-1835 Mo-Fr PP 4760; 1830-1900 Xhosa 3240; 1845-1900 Umbundu 7120; 1900-1930 Lingala 9520; 1900-1945 PP 7120; 1930-2000 FF 9520; 1945-1950 Mo-Fr PP 7120; 2000-2115 Sa/Su FF 9520. (WBI 3/27)

SWEDEN - *Radio Sweden* Z92 sked: **English** 0100-0130 to Asia on 9685, 11730; 0200-0230 to Am on 9685, 11705; 1230-1300 to Aus/As on 15170, 17740; 1500-1530 to ME/Am on 15270, 17870, 21500; 2030-2130 to Eu/As on 6065, 9655, 11730; 2230-2300 to Am on 6065.

Swedish 0030-0100 to As/Aus on 9685, 11730; 0230-0300 to Am on 9695, 11705; 0400-0615 Mo-Fr to Eu/ME/Am on 6065, 9690, 15390; 0600-0800 Sa (0700-0900 Su) to Eu/ME on 6065, 15390; 1000-1030 Sa/Su to Eu/As/Aus on 9620, 15170, 17740; 1030-1100 to Eu/As on 9620, 15230, 15245; 1200-1230 to As/Aus on 15170, 17740, 17870; 1330-1400 to Am on 17870, 21500; 1430-1500 to Eu/Am on 6065, 9670, 21500; 1600-1615 to Eu/AF/ME/Am on 6065, 9670, 17870; 1730-1800 (Mo-Fr) and 1800-1830 daily to Eu/AF/ME on 6065, 9670, 15270; 2000-2030 to Eu/AF/As/Aus on 6065, 9655, 11730; 2200-2230 to Am on 6065; and 2300-2400 to Eu/Am on 9695, 11705.

Other languages: **Estonian** 1630-1645 (-1700 Sa/Su) on 6000, 6065. **French** 0145-0200 to Am on 9695, 11705; 1400-1415 to Am on 17870, 21500; 1615-1630 to Eu/ME/AF on 6065, 9670, 17870; 1930-1945 to Eu on 6065; 2130-2145 to Eu/AF on 6065, 9655; 2315-2330 to Eu/Am on 9695, 11705. **German** 0900-1000 Sa/Su to Eu on 9620; 1830-1930 to Eu on 6065, 9655. **Latvian** 1645-1700 Mo-Fr & 1730-1800 Sa/Su on 6000, 6065. **Russian** 1300-1330 on 15170, 17740; 1530-1600 on 6000, 9670; 1930-2000 on 6000. **Spanish** 0000-0015 & 0130-0145 to Am on 9695, 11705; 1415-1430 to Am on 17870, 21500; 1945-2000 to Eu on 6065; 2145-2200 to Eu/AF on 6065, 9655; and 2300-2315 to Eu/Am on 9695, 11705. (WBI 4/10)

SWITZERLAND - *Red Cross Broadcasting Service* sked through August: **English** 1100-1130, **French** 1130, **German** 1200 & **Spanish** 1220-1240, all on 7210, 3/29, 4/26, 5/31, 6/28, 7/26 & 8/30. Each transmission followed the next day by the same sequence of languages at 1700, also on 7210 kHz. These are all to Europe. They note that broadcasts to overseas target areas are to be integrated into the sked of SRI. The frequencies were to be decided in March. (RCBS via Karl Forth)

Swiss Radio International - will completely reorganize its services 3/29 as part of the "Prospective 2000 Plan." SRI services will be basically divided in two: International Service and Programs for Swiss Abroad. Programs to the Asian region are now scheduled:

To Australasia, 0900-1045 ex 0745-1030. The International Service is scheduled from 0900-1015 in EE FF, and Italian. The Service for Swiss Abroad in Italian and GG from 1015-1030, all on 9560 and 17670 kHz. The International Service will be heard in EE and FF from 0900-1000 and in GG from 1015-1030 on 13685 and 21770 kHz. The Service for Swiss Abroad in FF and GG uses the same freqs from 1000-1015 and 1030-1045 respectively.

To the Far East: 1100-1245, ex 1045-1300 on 13635, 15505, 17670, and 21770 kHz. The service to SE Asia and South Asia has been divided in two: 1300-1445 to SE Asia on 7480 and 11690 via Beijing, 13635, 15505, 17670, and 21770 kHz; and 1500-1630 to So. Asia on 13635, 15505, 17670 and 21770 kHz.

There are separate NA services, separated from the CA service, divided into two services: NA East at 0200-0330 & West at 0300-0545. Romansch, Esperanto and Portuguese have been dropped.

Only the Red Cross Broadcasting Service to Europe on 7210 kHz remains independent. Red Cross transmissions to other areas are to be integrated into SRI's sked. Languages, times, and periodicity have not been determined yet. (Swiss PTT via Mick Ogrizek and Weltweit-Horen via Hans-Joerg Biener, via Shortwave Station News compiled by Mick Ogrizek in Australian DX News 3/92 via BMM on RJDXC 3/22) [whew]

TAIWAN - *Voice of China*, pgm on 15280, over BCC, nice ltr rcvd in 6 wks. after taped rpt. They are a group of "overseas Chinese," mostly students, interested in the democratization of China. VoC has "picked up the mission" of the earlier Voice of June 4th, but they have no organizational relationship with it. They're independent of any existing political organization, and supported financially by the Foundation for China in the 21st Century, a non-profit unofficial organization registered in the U.S. Tapes are sent to "some area close to mainland China" where several stns broadcast them. They say they know little about SW or QSL's, but they want to learn. From Mr. Bangtai Xu, Director, Voice of China, P.O. Box 11663, Berkeley, CA 94701. Fact sheet gives time as 0500-0600 Beijing Time daily, 15280 kHz, and gives an address of P.O. Box 79218, Monkok, Hong Kong. U.S.A. phone numbers are 510-843-5025 voice, 510-843-4370 FAX. (Jerry Berg)

THAILAND - *Radio Thailand*, HS, noted signing-on 2158 with anthem, then clock chimes, into Thai 2200, until fade-out 2245. WRTH still lists sign-on as 2230. As at 4/11. (Bob Padula)

TURKEY - *Voice of Turkey* found on new 11895, with English 2200-2300, 4/10. (Bob Padula) Engineering sked from Ankara for M92 shows Far East service on 9710, Chinese 1130-1200. Services to North West Asia are 11925 0400-0900 Turkish, 1500-1600 Azerbaijani; 11735 1400-1430 Russian. English shown: 2000-2100 9445 Europe; 2200-2300 7185 11895 Europe, 9445 North America; 0300-0400 9445 North America; 1230-1300 9675 South West Asia. (Bob Padula)

UKRAINE - As of 3/19 R. Kiev began calling itself *R. Ukraine* in both EE and Ukrainian. Ukrainian xmsns for abroad are greatly expanded; EE is unchanged. (Walter Salmonew? of Victoria, BC on RNMN 3/26) The German service still says R. Kiev as of 3/24. (JM on RNMN 3/26)

Radio Ukraine summer sked: English 0000-0100 to Eu/Am on 6145, 7195, 7240, 9640, 9685, 9785, 9870, 10344-u, 11770, 17690; 2100-2200 to Eur on 6010, 7240, 7250, 7340, 9640, 9785.

Ukrainian 0100-0130 to Eu on 6145, 7195, 7240, 9640, 9685, 11770; 0130-0230 to Eu/Am on 6145, 7195, 7240, 9685, 9870, 10344u, 11770, 17690; 0300-0400 to Eu/Am on 7195, 9560, 9640, 9685, 9785, 9870, 10344u, 11770, 11950; 0400-0600 to Eu on 7195, 9560, 9640, 9785, 11840, 15495(fm 0500); 1300-1400 to Eu on 9560, 9640, 11705, 11780, 11840, 15495, 15525, 15595, 17570, 17680; 1400-1500 to Eu on 6050, 9560, 9640, 11705(-1430), 11780(-1430), 11840, 15495(-1430), 15525, 15595, 17570(-1430), 17680; 1500-1600 to Eu on 9560, 9640, 11780, 11840, 15525, 17680; 1600-1700 to Eu on 6010, 7240, 9640, 11780, 11960, 15525, 17680; 1800-1900 to Eu on 6010(-1830), 7240(-1830), 7340, 9640, 9785, 11960, 13680; 1900-2000 to Eu on 6010, 7240, 7340, 9640, 9785, 11960, 13680; 2200-2300 to Am on 6010, 7240, 7340, 9640, 9685, 9785, 9870, 10344u, 11770, 17690.

German at 1700-1800 to Eu on 6010, 7240, 7340, 9640, 9785, 11960, 13680; 2000-2100 to Eu on 6010, 7240, 7340, 9640, 9785; 2300-2400 to Eu on 7240, 7340, 9685, 9785, 9870. Moldavian to Eu at 1700-1730, 1930-2000 & 2100-2130, all on 13795. (WBI 4/10)

URUGUAY - *R. El Espectador*, Montevideo, 11835.5 kHz, heard in NZ at 0700; reasonably clear signals after VOA on 11830 closes at 0700. Best in NZ around 0830. (Brian Clark, NZ DX Times, on DXPL 3/22)

R. Integracion Americana, Montevideo, 6045.2 kHz, heard from 1315-1403 signoff 3/22. Heard irregularly in Buenos Aires; announced sked is daily 1300-1400 and 0100-0200. (Gabriel Ivan Barrera, Argentina, on DXPL 4/4)

USA - The new outlet of *WWCR* on 5920 gives good signals here in Melbourne from as early as 0600, carrying the Dr Gene Scott programme, as of 4/12. (Bob Padula)

WWCR has temporarily suspended a paid program, "The Voice of Kalistan," intended for India and carried at 1206 UTC Mondays on 15690 kHz. The Indian government is alleged to have pressured the U.S. government to have the broadcasts stopped. The programs in EE and Punjabi were produced by activist Sikhs living in the U.S. The California address given in the program has no listed phone. (JM on RNMN 4/9)

Radio Miami Internacional program lineup: Tuesday-Saturday 0100 *Esperanza*, 0200 *R. Conciencia*, 0300 *Rumbo a la Libertad*; 0400-0500 *La Voz de Alpha 66*, all on 7355 kHz; then 0500-0530 *La Voz del 30 de Noviembre* on 7465 kHz. Sunday 0100 *La Voz de los Medicos*, 0130-0200 *Foram Revolucionario*, both on 7355 kHz. Monday 0100 *La Voz de Tribuna Libre*, 0200 *Radio Voluntad Democratica*, 0230 *Pueblo Libre*, 0300 *Radio Periodico Panamericano*, 0400-0500 *Un Solo Pueblo*, all on 7355 kHz. (via Marlin Field)

UZBEKISTAN - *R. Tashkent* EE sked in Feb: 0100-0130 on 7325, 7335, 9740, and 11975 kHz; 1200-1230 and 1330-1400 on 7325, 9715, 15460, and 17740 kHz. (John Brand, ON, on DXPL 3/29)

VATICAN - From 5/3, Vatican Radio plans use of 17525 1100-1200 Portuguese & Spanish to Americas, // 21710, 21850. 17550 listed 1230-1300 Russian and 1300-1400 Spanish/Portuguese for Europe, continuing during April, May, June. (Bob Padula)

VIETNAM - *R. Lao Cay*, a new stn in northern Vietnam, was heard in Japan on 5600 kHz in late February. The full sked, heard 3/1, is 1030-1215; 1030-1100 in Vietnamese, 1100-1215 in local languages. Lao Cay was part of Hoanliensong province until 8/91. Hoanliensong was split into two provinces, Lao Cay and Yen Bai. The former Hoanliensong provincial radio operated on 5600 and 6462 kHz. Radio Yen Bai uses 6462 kHz. (Isao Ugusa on RJDXC 3/22)

YUGOSLAVIA (et al) - *Radio Yugoslavia* on new 11870, opening 0000 with Serbian, 4/12. Note that Bijeljina, where the 250/500 kW txers are located, is actually in Bosnia-Herzegovina, which is just across from the Serbian border. With Bosnia-Herzegovina now accepted as an independent country, this raises an unusual issue for Radio Yugoslavia, as to "arrangements" for maintaining the

External Service facilities! The 7200/9505 Home Service relay facility is located at Stubline, just outside of Belgrade, in "Serbia". (Bob Padula)

Radio Belgrade (Network 1) observed on 7200, via long-path, in period 0600-0700, in Serbian, carrying correspondents' reports. No sign of parallel 9505. Believe txer is at or near Belgrade. Radio Yugoslavia (External Service) now on 9720 2000-2030 in Serbian to Australia, 16 April. This is actually a "Radiotelevizija Beograd" programme, and announced as such, via 500 kW at Bijeljina (in Bosnia-Hercegovina). (Bob Padula)

Full sked from 3/29 - 9/26 is 0000-0030 Serbian 11870; 0030-0100 EE 11870; 0100-0130 Macedonian 11870; 0130-0200 EE 11870; 1100-1130 Macedonian 21605; 1130-1200 EE 17710, 17740, 21605; 1500-1545 RR 11805, 15175; 1600-1630 FF 11805*, 11835*; 1630-1715 GG 9620*; 1715-1800 AA 7250, 15140*; 1800-1830 RR 6005, 7165*; 1830-1900 EE 6100*, 15140; 1900-1930 SS 7220*; 1900-1930 Macedonian 6100*; 1930-2000 GG 6100*, 2000-2030 6100, 9720; 2030-2100 FF 6100*, 15180; 2100-2130 EE 6100*, 15180; 2100-2130 EE 6100, 11735; 2300-2330 SS 9720, 11835. Sites marked with * are via 250 kW txers (presumably located at Stubline), others 500 kW via Bijeljina. (Bob Padula, via ADXN)

CLANDESTINE - The *Voice of Kashmir Freedom*, believed in Pakistan, is using 4080 kHz, ex 4085, 1630-1730. Also on 5000 and 6300 kHz, not hrd in Japan. (Yoshinori Kato on RJDXC 3/22)

A clandestine opposed to the government of Iran called the *Voice of Mojahed* was heard in Japan in early February from 1800-1830, in Persian. Reception was poor because of jamming. The station changed freqs often in the course of one xmsn. On 2/5 it was first heard on 6125 kHz but soon switched to 6220, then 6210, and finally 6207 kHz. The station uses several freqs between 6200 and 6300 kHz to avoid jamming. It is unusual for a clandestine station to change freqs so often. (Yoshinori Kato on RJDXC 3/29) [R. Venceremos must not have made it across the pond.--mf]

The *Voice of Independent Kashmir* noted with shouted ID at s/on 1430; then Koran, music, etc. Apparently via a Rawalpindi transmitter. (Geoff Cosier, Australia in OZ DX)

PUBLICATIONS - The Argentine DX bulletin *Onda Corta* is available from Casilla 2868, 1000 Buenos Aires, Argentina. The subscription is US\$4 for six issues. (DXPL 4/4)

Overseas Clubs - *Association Espanola de Radioescucha* (AER) will sponsor a contest 10/1-31, 1992, called "The Discovery Contest." The listener will have to hear programs in SS transmitted by int'l broadcasters. Details from: AER, c/o Francisco Martinez, Apartado 104, E-05080 Avila, Spain. Prizes are a WRTH 93 and souvenirs from the broadcasters. No contest fee. (EDXC on DXPL 3/28)

The EDXC has welcomed its first DX Club from eastern Europe. The *DX Club Leningrad* has interests in tropical broadcasting, SW, MW, LW, pirates, utilities, clandestine stations and QSLs. Its monthly publication is *Exotic DX News*. Membership is open to everybody. Further details are available from Alexey Osipov, Kazanskaja 4-87, St. Petersburg 195213, Russia. Osipov also informed DXPL that he is the editor of a bulletin titled "DXing USSR and Former Soviet Territories." RMV found the sample copy impressive. The price is US\$3 or 3 IRC's per issue. (DXPL 3/28)

The *Nordic DX Championships*, Nor-DX, will be held 9/18-20, 1992. Full details can be obtained from Alandia DX Club, P.O. Box 402, SF-20101, Abo, Finland. (EDXC on DXPL 3/28)

The *South Pacific Association of Radio Clubs* will hold its convention at Marlow, Victoria, Australia, the weekend of 6/5-8. The site is known for its good reception properties. Details from the convention committee at Box 285, Mount Waverley, Vic., Australia 3149. SPARC member clubs are studying EDXC's revised country list with changes in Eastern Europe and the CIS. (DXPL 3/28)

RESOURCES - *CompuServe* has just become available in New Zealand. (Tony King, RNZI Mailbox 3/29) I've recently been in touch with Bob Padula and Mick Ogrizek, of ADXN, via CompuServe. It provides an excellent means for inter-club communication and cooperation. (df)

Sources ASWP--Austrian Shortwave Panorama, ORF; DXPL--DX Party Line, HCJB; KMH--Ken MacHarg, DXPL; QLB--Quito Log Book, DXPL; RMV--Rich McVicar, presenter, DXPL; LMV--Lisa (Mrs. Rich) McVicar, DXPL. RJMR--Radio Japan Media Roundup; BMM--Bruce MacGibbon, RJMR; RKSF--Radio Korea Shortwave Feedback. RNMN--Radio Nederland Media Network; JM--Jonathan Marks, presenter, RNMN; VG--Victor Goonetilleke, RNMN; VS--Vasilii Strelnikov, RNMN. RNZI--Radio New Zealand International Mailbox. AC--Arthur Cushen, DXPL, RNMN or RNZI. Above sources monitored by Mike Fern unless otherwise noted. ADXN-- Australian DX News. OZDX- Australian DX bulletin. SCDX- Sweden Calling DXers. SWN- monthly bulletin of Danish Shortwave Clubs International.

I try to keep my opinions to myself, but if I let one slip through, it was mine, not that of my employer. I work for VOA, but don't represent them here. Back next month.

QSL Reports

Sam Barlo
47 Prospect Place
Bristol, CT 06010



RadioCentras Special QSL

Nordx '91
4-6 October 1991

AHU DHABI: Voice of the UAE 7215 f/d folder w/ schedule in 9 wks. (Klinck-NY). 9605 same in 1 mo. for 1 IRC. (Noonan-WI). 11965 f/d ltr. in 42 ds. (Westdal-CA).

ALASKA: KNLS 7355 f/d "Coverage Map" cd. in 32 ds. fpr SASE. Also rcvd. schedule, ltr. and promise of a pennant. Addr: P.O. Box 681706, Franklin, TN 37068-1706. (Frodge).

ALBANIA: Radio Tirana 9760 p/d cd. w/ schedule in 57 ds. (Schwartz).

ALGERIA: RTVA 17745 f/d cd. in 132 ds. for 2 IRCs. (Durden-GA).

ANTARCTICA: LRA36 Radio Nacional

15476 f/d cd. in 12 wks. for a SP rpt. and \$1.00. (Klinck-NY). f/d cd. in 1 mo. for 2 IRCs. (Prisco-PA).

ANTIGUA: Deutsche Welle 6160 n/d cd. w/ pennant and magazine in 55 ds. (Smith-OH).

ARGENTINA: RAE 11710 f/d cd. in 1 mo. for EG rpt. and 2 IRCs. (Prisco-PA).

ARMENIA: Radio Yerevan 17690 f/d plain cd. w/ schedule in 4½ mo. (Lamb-NY).

ASIATIC RUSSIA: Radio Moscow 17665 via **Petropavlovsk-Kamchatsky** f/d cd. in 55 ds. (Hosmer-MI). 17720 via **Khabarovsk** f/d cd. in 55 ds. (Hosmer). 17890 via **Irkutsk**

* f/d cd. in 55 ds. (Hosmer). **Radio Vilnius** 17690 via **Petropavlovsk-Kamchatskiy** f/d "Rainbow over Map" cd. in 2½ mo. for 4 IRCs. (Hoersten-OH). **Deutsche Welle** 7340 via **Zhigulevsk** f/d cd. w/ site in 23 ds. (Rigas-IL). 9875 via **Novosibirsk** f/d "New DW Broadcast Centre" cd. w/ site and schedule in 96 ds. (Kusalik-CAN). 7340 f/d cd. in 3 wks. for 2 IRCs. (Craighead-KS). 7380 via **Irkutsk** f/d cd. in 3 wks. (Craighead). Please notice that we are getting different spellings for the same transmitter site but from various broadcasting organizations...Sam.

AUSTRALIA: Radio Australia 9860 via **Carnarvon** f/d form ltr. in 56 ds. for 1 IRC. Also rcvd. poster and a calendar. (Hosmer-MI). **YMG Time Signal Station** 12984 f/d cd. in 62 ds. for 1 IRC. v/s Betty Allan. (Turnick-PA). f/d folder cd. w/ a nice personal ltr. from Marion Leiba who is an earthquake seismologist at the station. This was in 1 mo. for \$1.00. (Lobdell). 16000 f/d folder cd. w/ stickers, articles and a personal ltr. in 38 ds. (MacHarg-EC). **VL8T** 2325 via **Tennant Creek** f/d "Map" cd. in 5 wks. for 3 IRCs. (Kohlbrener-PA). f/d cd. in 3½ wks. (Berg-MA). **VL8A** f/d "ABC Map" cd. in 3½ wks. Stickers were rcvd. (Berg-MA).

AUSTRIA: Radio Canada International 11925 f/d cd. w/ site in 20 ds. v/s Bill Westenhaver. (Rigas-IL). **Radio Austria International** 6015 f/d ltr. w/ stickers, schedule and rpt. forms in 15 ds. (Martin-CA). 13730 f/d personal ltr. w/ schedule and sticker in 14 ds. for 1 IRC. (Romeo-NY).

BELGIUM: RTBF 21460 f/d cd. w/ sticker and schedule in 28 ds. (Schwartz-NY).

BELORUS: Radio Minsk 17690 f/d "Logo" cd. in 171 ds. (Stephens-AL).

BOLIVIA: Radio Santa Cruz 6135 f/d prepared cd. w/ personal ltr. in 3 wks for a SP rpt. and \$1.00. Pennant was rcvd. v/s Cictor Blajot S. I., Director General. (Orcutt-NY). f/d ltr. in 30 ds. for a SP rpt. and \$1.00. Did someone else get my QSL? My date of reception was 1/25/92 from 0550-0630 Bolivian time. (Durden-GA). **Radio Eco** 4410 f/d cd. in 5 mo. for a SP rpt. v/s Carlos Espinoza Cor- tez, Director. (Field-MI).

BONAIRE: Radio Nederland 11835 f/d

"Solar Eclipse" cd. in 1 mo. w/ schedule. (Smith-OH). 11720 same cd. in 36 ds. for 1 IRC. (Carson-OK).

To: CHRIS LUEDER

This confirms your reception of the special Nordx '91 broadcast from RadioCentras, using the 50 kW transmitter of Radio Vilnius at Sitkunai.

The broadcast took place on Saturday, 5 October 1991, between 07.00 and 07.30 UTC. The frequency was 9710 kHz in the 31 metre band.

Thanks for listening!

QUITO-ECUADOR

SALUDOS AMIGOS!!!



EMISORA DE LA COMPAÑIA ANONIMA "EL COMERCIO"



ONDA LARGA 1360 KC.
ONDA CORTA 4923 KC.

HELP WANTED: Gordon Darling of P.O. Box 2474, Boroko, N.C.D., Papua New Guinea needs a copy of the full handbook for a RACAL RA17L. All costs refunded. Also he needs addresses for the following stations: Radio Beacon "ZBB" in Bimini; FAA/AFSFO, Radio Beacon "CKK", Miami International (Cook) Airport; and Travellers Information Station, Miami International Airport. Gordon would greatly appreciate any help. Besides refunding your costs, he promises to send along a miniature mugu-mugu plant. When harvested, dried, crushed and smoked it will enhance your fertility drive...Sam. (A satisfied and grateful customer)



BOVAIRE: Radio Nederland 9590 f/d cd. in 39 ds. for 1 IRC. (Carson). 11720 cd. w/ schedule and calendar in 1 mo. (Millard-TX). Trans World Radio 9535 and 11930 f/d cd. w/ schedule and pennant in 35 ds. for 2 IRCs. v/s Sally Rork. (Hardester-NC). 11815 f/d "Voyage of Columbus" cd. w/ calendar and pennant in 3 wks. Lots of other goodies were rcvd. (Berg-MA). same w/ schedule and pennant in 28 ds. (Smith-OH).

BOTSWANA: VOA 11940 f/d "Botswana Relay" cd. w/ schedule and calendar in 30 ds. (Yamada-JPN). 15445 and 17870 f/d cd. in 54 ds. (Schwartz-NY). 17870 f/d "Map" cd. in 52 ds. for 2 ms. (Buer-FL). f/d cd. in 42 ds. for ms. v/s Dan Ferguson. (Hardester).

BRASIL: Radio Cultura Araraquara 3365 f/d cd. in 18 ds. for a PT rpt. and \$1.00. v/s Antonio Carlos Rodrigues dos Santos, Director Artístico. (Durden-GA). Radio Marajoara 4955 f/d ltr. in 22 ds. for a PT rpt. and \$1.00. v/s Neide Carvalho, Secretaria Director Geral. (Durden-GA). Swiss Radio International 17730 via Brasilia f/d cd. w/ site in 3 wks. for 2 IRCs. (Hoersten-OH). Radio Bandierantes 6090 p/d ltr. w/ 2 stickers in 141 ds. for a PT rpt. and a tape. v/s Salomão Esper, Superintendente. (Lamb-NY).

CANADA: Radio Canada International 11955 via Sackville f/d cd. w/ site in 20 ds. v/s Bill Westenhaver. (Rigas-IL). 9650 f/d "Stone Wall" cd. on 2 1/2 mo. (Hoersten). 5960 f/d cd. in 15 ds. v/s Sheldon Harvey. (Hosmer-MI). 17820 f/d cd. in 5 wks. (Dellit).

CHINA: 6160 f/d "CBC Centre in Vancouver" cd. in 10 ds. for 1 IRC and \$1.00. (Franzen-MN). same cd. in 13 ds. for \$1.00 (returned) v/s Dave Newbury. (Millard-TX). CFRX 6070 f/d "CFRB Twin Comanche Traffic Plane" cd. in 10 ds. v/s Stephen Cannery. (Millard-TX). CHNY 6130 f/d cd. in 370 ds. for ms. (Turnick-PA).

CELEBES: RRI Ujung Pandang 4719 f/d cd. in 1 mo. for an IN rpt. and ms. v/s Drs. H. Kamaruddin Alkaf Jasir. (Orcutt-NY). RRI Manado 3215 f/d prepared cd. w/ personal ltr. in 32 ds. after a f/up rpt. in IN w/ ms. and a postcard. v/s C.H. Gultony. (Hardester-OKI).

CHILE: Radio Esperanza 6088.5 p/d ltr. w/ sticker in 48 ds. for a SP rpt. and ms. v/s Lorena M. Oyarce A. (Hosmer-MI). Radio Nacional de Chile 15150 f/d prepared cd. for a 1982 reception from the former QSL Manager now visiting the USA. v/s Carlos Toledo promises to send actual RNC letterhead next mo. upon return to Chile. (Hosmer-MI).

CHINA, PEOPLES REP. OF: Radio Canada International via Xian (freq?) cd. w/ site in 20 ds. (Rigas-IL).

CLANDESTINE: La Voz del CID 6305 f/d cd. w/ XMAS cd. in 34 ds. for a SP rpt. and ms. v/s Francisco Fernandez. (Turnick-PA).

COLOMBIA: La Voz del Rio Arauca 4895 f/d * prepared cd. w/ sticker in 3 mo. for a SP rpt. This after 2 f/up rpts. v/s Guillermo Pulido, Gerente. Addr: P.O. Box 16555, Bogota. (Berg-MA). f/d cd. w/ sticker in the shape of a bumper(!) in 1 mo. on my 9th try! (Field-MI). Radio Nacional de Colombia 11822.5 p/d cd. in 71 ds. for a SP rpt. v/s Adriana Giraldo Cifuentes, Directora. (Durden-GA).

RADIO ORANG UTAN INTERNATIONAL

HELLO DEAR Chris Gubnell
Hello dear friend, thank you for your reception report !!!
You have heard us on 628.4kHz on the 22 Dec. 81

IM A BOY OF 31 YEARS OLD AND IM NOT MARRIED, THAT'S BECAUSE IM TOO BUSY WITH THE TRANSMISSIONS I HAHAHAHA... WE ARE SO GOOD LISTENING SINCE WEY GIVING YOU TELL THAT WE DID INTERNATIONAL TRANSMISSIONS. THEREFROM WE RECEIVED MANY RECEPTION REPORTS FROM EUROPEAN COUNTRIES FROM ZAIRE AND THE USA



OUR ANTENNA IS A LONGWIRE
IT IS 415 M LONG

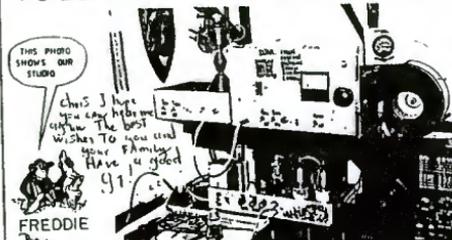
RADIO ORANG UTAN GOT BUSTED FOR THREE TIMES BY THE GPO THE LAST TIME WAS ON THE 30th OF DECEMBER 1980
FROM THE LAST TIME WE HAD TO PAY 500 BULOCH

WE ARE GOING TO KEEP ON FFFF
THANK YOU AGAIN FOR YOUR LETTER AND BYE BYE

GOLDEN TUNES
OUT OF THE COPPER
LONGWIRE

POWER - TONNAGE

PO BOX 114 's-HEERENBERG HOLLAND



THIS PHOTO SHOWS OUR STUDIO

Chris I hope you can help me with the best wishes to you and your family. Have a good night
91

FREDDIE

Deutsche Welle
 Informationssender für die Welt
 via Haybery



Radio and TV from Germany - Radio y Televisión desde Alemania
 Rádio e Televisão da Alemanha - Radio et Télévision d'Allemagne

VERIFICATION SIGNERS: Radio Rezonans 11850 Ul. Akademika Keroleva 19, Moscow. Radio Comores 3330 Mohamed Hassam, Le Directeur General. Radio Kiribati 14917 Mrs. Otiri-La-Boia. Station does not accept nor can they use IRCs! RRJ Jambi 4927 Marlis Ramali. Radio Dublin International new addr: Box 2077, Dublin 8. Radio Tus Panteras 6105 Arturo Iglesias Villalobos. Radio Cusco 6191.7 Raul Sir Almonte, Gerente General. Radio NorAndina 4461.8 Misael Alcantara Guevara, Gerente.....via **PLAY/DX**..... Sam.

COSTA RICA: TIPC 5055 f/d cd. w/ ltr. and schedule in 58 ds. for \$1.00. v/s Juan Jacinto Ochoa F. (Moore-KY). Radio For Peace International 7375 f/d cd. in 5 wks. for 3 IRCs. (Ondrechen-MA). Adventist World Radio 9725 f/d "Coat of Arms" cd. w/ foreign stamps in 2 1/2 mo. (Hoersten-OH).

CROATIA: Hrvatska Radio 7240 via Zagreb f/d silver "Logo/Studio" cd. * in 5 wks. for 1 IRC. (Behr-ONT). 9830 f/d cd. direct from station in 3 1/2 mo. for a registered rpt. and \$1.00. (Kusalik-ALB). same in 3 mo. for \$1.00. (Lare-MI). cd. w/ site in 40 ds. (Yamada-JPN). 7240 and 9830 f/d cd. in 10 wks. (Field-MI). Radio Zagreb 6210 f/d cd. in 3 mo. w/ "Republika Hrvatska" postage and meter tape. (Berg-MA).

CUBA: Radio Habana Cuba 11950 cd. in 9 ds. (Ondrechen-MA). 5965 f/d "Kite Flying in Lenin Park" cd. in 6 mo. for their SSB test. I am disappointed with this one. Nothing special about the cd. No mention of the test. The cd. is ugly! Someone should teach RHC how to run a promotion! (Stephens-AL)...Think about it. RHC probably doesn't really care if the test or so-called promotion is run properly or not. It doesn't make any difference to them...Sam. cd. in 5 mo. v/s Rolando Pellaéz. (Field-MI). Radio Moscow 6000 and 6045 f/d cd. in 53 ds. w/ schedule. (Schwartz-NY).

CYPRUS: HFBS 17695 p/d "Gulf" cd. w/ site in 3 wks. for \$1.00. v/s R. Dunn. (Ondrechen-MA). BPC 11955 n/d ltr. saying they do not have the personnel to reply to reception rpts. in 7 mo. w/ "London Calling" magazine. (MacHarg-ECU). Cyprus Broadcasting Corp. 6180, 7125 and 9770 "Logo" cd. in 2 mo. (Berg-MA).

CZECHOSLOVAKIA: Radio Praha International 5930 f/d "Tyl Theatre" cd. w/ schedule in 26 ds. (Carberry-CA). 7345 f/d "Art" cd. w/ schedule and pennant in 3 mo. (Millard). cd. w/ schedule in 19 ds. for 1 IRC. (Romeo-NY). 11990 cd. in 33 ds. w/ schedule and calendar. (Martin-CA). 5930 via Rimavska Sobota and 7345 via Litomysl f/d cd. w/ sites and pennant in 116 ds. (Moore-KY).

DUBAI: UAE Radio and TV 21700 f/d "Map" cd. in 4 wks. w/ schedule and pennant. v/s K.F. Fenner, Chief Engineer. (Dellit). 13675 same cd. w/ pennant and schedule in 24 ds. for 1 IRC. (Romeo-NY).

EMBASSY OF THE UNION OF MYANMAR
 2300 E STREET, N.W.
 WASHINGTON, D.C. 20008-4089

ECUADOR: HCBJ 21455 f/d cd. in 120 ds. for 1 IRC. (Carson). f/d "Leaping Llamas" cd. in 1 wk. (MacHarg). special "60th Anniversary" cd. in 8 wks. (Berg-MA). 9745 f/d cd. w/ schedule in 24 ds. for 3 IRCs. (Christensen-CAN). f/d "Nerve Center" cd. in 120 ds. for 1 IRC. (Carson). 11925 f/d "Leap Year" OSL cd. for \$1.00 (Lamb-NY). 15115 f/d "PACS Control" cd. in 1 mo. (Walker-MI). 17790 f/d "Children of Ecuador" cd. in 7 ds. (MacHarg). New Addr: Casilla 17-17-691. Ken MacHarg at HCBJ advises us to rpt. directly to the service we heard, i.e. EG Service, SP Service, etc....Sam. HC60JB 21300 f/d "Ham" cd. in 7 ds. for \$1.00. (Frodge-MI). Ken was the operator! f/d cd. in 10 wks. (Berg-MA). f/d cd. in 73 ds. (Kusalik-ALB). Radio Catolica 3295 p/d "Colorado Indian Boy" cd. in 2 mo. for a SP rpt., \$1.00 and a taped rpt. v/s Nancy Moncada, Secretaria. Addr: A.P. 17-24-0006, Santo Domingo de los Colorados. (Lamb-NY).

February 3, 1992

Mr. Ron Howard
 4000 Rio Road #48
 Carmel, CA 93923

Dear Mr. Howard,

We have received your letter dated December 28, 1991 with regards to "Radio Myanmar". We would like to inform you that you have definitely heard the said station via shortwave from Yangon. We are happy to know that learning about Myanmar and its people and culture interests you very much. Please find enclosed the "Basic Facts" which we hope will give you more information about the country.

Again, thank you for your interest.

Sincerely yours,



For Ambassador
 (Dav Kyl Kyl Sein, Third Secretary)

ENGLAND: Radio Canada International 9505 via Daventry f/d "Telecom 83" cd. in 26 ds. for ms. v/s Sheldon Harvey. (Hardester-NC). 9555 f/d cd. w/ site in 20 ds. v/s Bill Westenhaber. (Rigas-IL).



ENGLAND: Radio Canada International
 7180 via Davenport f/d cd. in 15 ds. (Hosmer-MI).
 11905 f/d "Cartier" cd. in 1 mo. w/ pennant, sticker and schedule. (Millard-TX). 7230 f/d "1983 World Communications Year" cd. in 35 ds. after a f/up rpt. via CIOX. (Fanderys-OH). VOA 6040 via Woofterton f/d "Crosley Transmitter" cd. in 48 ds. (Schwartz-NY).
BBC 6110, 7325, 9770 snd 9915 via Rampisham n/d ltr. in 10 ds. v/s R.M.F. Mathewson, Senior Transmitter Manager. (Schwartz-NY). Radio Merlin International 6240 via Chelmsford f/d "Antenna" photo along w/ a Radio Galaxy QSL cd. Their RMI cds. were taken during a raid. My QSL arrived in 2 mo. for a rpt. to the Merlin, ONT address. Euro address is: RMI, P.O. Box 1218, Chelmsford, Essex, CM1 4BD, England. (Berg-MA).

EUROPIRATES: Radio Tower 15050 f/d blue "Logo" cd. w/ personal ltr. in 82 ds. v/s Peter de Jong. (Stephens-AL). Radio Delta 6275 form ltr. w/ station info. in 3 wks. for a taped rpt. Also rcv'd. personal ltr. (Berg-MA). f/d form ltr. for a test transmission. 80 watts. Addr: Box 41, 8080 AA Elburg, Holland. (Lobdell).
EUROPEAN RUSSIA: Radio Moscow 12035 and 7275 via Moscow f/d cd. in 53 ds. (Schwartz-NY). 9765 and 7150 via Armavir cd. in 53 ds. (Schwartz).

NOTES: Andy Wallace in Lowell, MA says he enjoys reading the QSL Column, especially the running commentary. I like putting little "barbs" in here and there also. After doing this Column for all these years, you're going to go nuts if you don't try something different...Sam. Tom Millard along with a few others has a question on the VOA QSL policy regarding Botswana. Nothing more unusual than one hand not knowing what the other hand was doing. Hopefully, by the time you read this Column, it will have straightened itself out...Sam. Austin Kelly says he heard on Radio Moscow that some individuals in the Soviet PO were arrested for opening foreign mail, stealing currency and tossing the mail in a dump! Radio Moscow thinks it may of lost more than 100,000 reports! Scott Newman also says hello to everyone and that he enjoys reading the QSL Column...You know now that I think of it, this is the only Column in the bulletin that I never read - after spending hours typing it. Hi!.....Sam.

EUROPEAN RUSSIA: Radio Moscow 7255 via Zhiqulyovsk f/d cd. in 53 ds. (Schwartz). 9625 via Kazan f/d cd. in 53 ds. (Schwartz-NY).
FRANCE: Radio Waves International 11401 f/d cd. w/ ltr. in 3 wks. for \$1.00. and a * taped rpt. Addr: B.P. 130, 92504 RUEIL Cedex, France. (Lobdell). ltr. w/ info. sheets in 3½ wks. Also rcv'd. f/d green "World Map" cd. (Berg-MA).
FRENCH GUIANA: Radio Beijing 11695 f/d "Tai Ho Hall" cd. w/ schedule in 20 ds. for 1 IRC. (Carberry-CA). Radio Japan 15325 f/d "Silk Dyeing" cd. w/ schedule in 21 ds. (Carberry). RFO Guyane 5055 f/d cd. in 14 wks. for \$1.00. (Lawrence).
GABON: Radio France International 12015 via Moyabi f/d "60th Anniversary" cd. in 24 ds. w/ schedule. (Martin-CA).
GERMANY: VOA Munich 3980 f/d cd. in 12 ds. after many f/up rpts. (Fanderys-OH). Radio Canada International 9505 via Wertachtal f/d cd. w/ site in 20 ds. (Rigas-IL). Sender Freies Berlin 6190 f/d cd. in 12 ds. (Lawrence-KS). Deutsche Welle 13790 via Julich n/d thank-you cd. in 5 wks. USA DXers rpt. and get f/d w/ site QSL? Whats the trick? (Dellit-AUST). 6040 n/d cd. w/ calendar in 22 ds. for 1 IRC. (Romeo-NY). Bayerischer Rundfunk 6085 f/d "Logo" cd. w/ stickers in 15 ds. (Millard-TX).
GREENLAND: Grönlands Radio 3999 p/d "Studio/Bldg." cd. in 54 ds. for an 89 reception * after several f/up rpts. w/ ms. Very pleased! (Hosmer-MI).
GUATEMALA: TGNA 3300 p/d "Quetzal" cd. in 5 wks. for \$1.00. (Ondrechen-MA).
HAWAII: WWVH 15000 f/d "Aloha Boat" cd. in 38 ds. (MacHarg). same in 13 ds. (Millard-TX).
HONG KONG: BBC 17830 f/d cd. in 16 ds. for ms. (Turnick-PA).
HOLLAND: Radio Nederland 11720 f/d "Limited Edition - Solar Eclipse" cd. in 38 ds. (Lamb-NY). 13700 same cd. w/ schedule in 19 ds. for 1 IRC. (Carberry-CA). 6020 cd. w/ sticker and schedule in 22 ds. for 1 IRC. (Romeo-NY). 21520 f/d cd. in 1 mo. (De-* 11it-AUST). Radio Orang Utan 6200 f/d "Monkey" cd. in 30 ds. for \$1.00. (Kusalik).
HUNGARY: Radio Budapest 9835 f/d cd. w/ schedule and a flag style pennant in 53 ds. (Schwartz-NY).
INDIA: All India Radio 4990 via Madras f/d cd. in 65 ds. w/ schedule for ms. (Turnick) 7412 f/d "Banaras" cd. in 1 mo. (Ondrechen-MA).

PLEASE NOTE: New member Rick Romeo (sounds like a romantic soap opera gigolo) sent in his first report to the QSL Column. Very well done. He asks about my deadline. As I have told others I really don't have one. I start typing around the end of the second week of each month. All of your reports will get in. Keep reporting. Mark Hoersten likes the illustrations in the Column. He also says that he finds the frequency listings and site locations very helpful. Glad you like it Mark...Sam. Ernie Behr wonders where all the VOA Botswana QSLs are? He heard that the VOA received hundreds of reports for their first-day transmission but very few QSLs have been reported so far. Ernie is also looking for information on Somali Radio from the 1960s. The station used to operate on 7121.5 kHz. Was this transmission from Hargeisa or Mogadishu? Help would be very much appreciated...Sam.

INDIA: All India Radio 11620 and 15265 via Bangalore f/d cds. in 10 mo. after a f/up * rpt. (Berg-MA). 5050 via Aizawl f/d "Two Lions" cd. w/ site in 47 ds. (Yamada-JPN).

INTERNATIONAL WATERS: Radio Caroline n/d "Ross Revenge" cd. in 9 ds. for a rpt. on an * 88 reception for \$1.00. Addr: Offshore Echo's, P.O. Box 1514, London W7 2LL. (Ond-)

IRELAND: Radio FAX 6205 and 12255 f/d cd. w/ station info. in 2 wks. rechen-(MA) for ms. v/s Trevor Brook. (Orcutt-NY). f/d cd. w/ ltr. in 4 wks. (Taylor-PA). f/d ltr. in 13 ds. for \$1.00. (Klinck-NY). 6205 f/d ltr. in 14 ds. w/ personal note. (Kusalik). Radio Dublin 6910 f/d cd. w/ sticker and a form ltr. in 37 mo. for \$1.00 * v/s Eamon Cooke, Director. (Eckert-PA). DLR106 6220 via Dun Laochaire f/d form ltr. * w/ post card of cows and a long personal ltr. in 3 wks. for \$1.00. (Lobdell). Radio Shamrock International 6232 2 f/d cds. - one for RSI and the other for JRR in 1 mo. for 2 IRCs. Station operator, Joe Vincent, said they changed their name for the St. Pat's Day weekend. (Lobdell).

ISRAEL: Kol Israel 11588 f/d cd. w/ schedule in 40 ds. (Martin-CA). 11605 f/d cd. w/ schedule in 38 ds. for 1 IRC. (Romeo-NY).

ITALY: IRRS 7125 f/d cd. in 6 wks for a CompuServed rpt. to Sr. Cotroneo, which he acknowledged by a CompuServe a few days later. Said he remembered my rpt. from 88: (Berg) European Christian Radio 6210 f/d cd. in 35 ds. for 1 IRC. (Hosmer-MI). f/d "Map" cd. in 43 ds. w/ schedule for \$1.00. (Lamb-NY). United Nations Radio 7125 via IRRS f/d cd. w/ site in 8 ds. (Craighead-KS).

JAPAN: Radio Canada International 11705 via Yamata f/d cd. in 15 ds. (Hosmer-MI). 11955 f/d cd. w/ site in 20 ds. (Rigas-IL). Radio Japan 5960 n/d "Azaleas on River at Nikko" cd. (Lamb)...possibly via Sackville...Sam. Radio Tampa 3945 f/d cd. w/ sheet of stickers in 20 ds. for 2 IRCs. (Kohlbrener-PA). 3925 f/d cd. in 10 ds. (Millard-TX).

JAVA: RRI Bogor 3953 f/d ltr. w/ prepared cd. in 65 ds. after 3 f/up rpts. in IN for * \$1.00. v/s Ety Sukaeti, Kepala Seksi Siaran. (Kusalik).

KIRIBATI: Radio Kiribati 14802 f/d "Tiddy Cuttings" cd. in 63 ds. for \$1.00. This was after 4 f/up rpts. in 4 yrs. v/s Mrs. O. Lakoia. (Stephens-AL).....Verie pleased!!!

KIRGHIZIA: Radio Moscow 15420 via Bishkek f/d cd. w/ schedule in 53 ds. (Schwartz-NY).

KOREA, DEMOCRATIC PEOPLES REP: Radio Pyongyang 15115 f/d cd. w/ pennant in 75 ds. for 2 IRCs. (Carberry-CA).

KOREA, REPUBLIC OF: Radio Korea 11810 f/d "Modern Korean Dance" cd. in 30 ds. for 1 IRC. (Martin-CA). 15575 same cd. w/ schedule in 33 ds. for 1 IRC. (Romeo-NY). 15170 same cd. w/ sheet music in 21 ds. (Carberry-CA). Radio Canada International 9700 f/d cd. w/ site in 20 ds. v/s Bill Westenhaver. (Rigas-IL).

LATVIA: Radio Riga 5935 f/d cd. in 40 ds. for ms. (Turnick-PA).

LEBANON: King of Hope 6280 via Marjayoun f/d cd. in 2 mo. for \$1.00. v/s Scott McDonald. (Orcutt-NY). same in 42 ds. for \$1.00. (Kusalik). f/d cd. in 23 ds. for ms. (Turnick-PA). f/d cd. w/ sticker in 58 ds. I sent my rpt. to the Cyprus address. (MacHarg). Wings of Hope 11530 f/d cd. in 58 ds. (MacHarg). f/d cd. in 3 mo. for \$1.00. (Wallace-MA). cd. rcvd. via Israel in 1 mo. (Berg-MA). f/d "World Map" cd. in 1 mo. for 1 IRC. (Noonan-WI). f/d cd. in 47 ds. for \$1.00. (Kusalik). same in 2 mo. after a f/up rpt. to the Cyprus address. (Prisco-PA).

LITHUANIAN REPUBLIC: Radio Vilnius 11790 and 15180 f/d cd. w/o sites in 126 ds. (Kusalik). 7400 f/d "Lithuania, The Land of Amber" cd. w/ schedule in 42 ds. (Schwartz-NY). 9710 via Sitkunai f/d cd. w/ site in 30 ds. after a f/up rpt. (Rigas).



votre !!
radio

This is great! I got my own FM radio station in France!!! Sam.

LITHUANIA: Radio Vilnius 11790 f/d cd. in 160 ds. (Gaharan-LA). **Radio Centras** 9710 f/d "Monument to V. Mickevicius-Kapsukas" cd. in 5 mo. for 3 IRCs. (Lobdell-MA). cd. of "NORDX 91" w/ f/d on back w/ site. (Berg-MA).

LUXEMBOURG: Radio Luxembourg 15350 f/d "Antenna" cd. in 19 ds. for 1 IRC. (Millard-TX).

MALTA: Voice of the Mediterranean 9765 f/d cd. w/ schedule in 21 ds. (Schwartz). f/d cd. in 20 ds. for 1 IRC. (Hardester-NC). f/d cd. in 30 ds. for 1 IRC. (Martin-CA).

MONACO: Trans World Radio 9780 f/d "Globe" cd. in 13 ds. w/ schedule and pennant. (Millard-TX). 9480 same cd. w/ pennant and schedule in 1 mo. (Field-MI).

MOZAMBIQUE: Radio Mozambique 3210 f/d cd. in 31 ds. for \$1.00. Came w/ 5 pages of handwritten data on RM - not copied: (Lawrence-NY).

NAMIBIA: NBC 3290 f/d "Namib Nature Park" cd. in 44 ds. w/ personal ltr. and schedule. for 1 IRC. v/s P. Schachtschneider, Manager. (Martin-CA). same cd. in 45 ds. (Smith-NEW GUINEA TERRITORY: **Radio Morobe** 3220 f/d ltr. in 1 mo. for \$1.00. v/s Aloy - OH). sius R. Nase, Station Manager. (Lare-MI).

NEW IRELAND: Radio New Ireland 3905 p/d personal ltr. in 20 ds. for a taped rpt. and ms. v/s Otto A. Malatana, Station Manager. (Klinck-NY). ltr. in 3 wks. for ms. (Dell-NEW ZEALAND: **Radio New Zealand International** 17770 n/d cd. w/ schedule in it-AUST). 33 ds. (Martin-CA). 9700 p/d "Bellbird" cd. w/ schedule in 49 ds. (Schwartz-NY). p/d * "Wellington" cd. w/ station info. in 1 mo. for 3 IRCs. (On'rechen-MA). **ZLXA Print Disabled Radio** 3935 f/d cd. w/ ltr. in 24 ds. for \$1.00. v/s Ashley Bell, Manager. (Kusalik-ALB). f/d cd. in 2 wks. for \$1.00. (Dellit)

NICARAGUA: YNPHK Radio Miskut 4560 f/d 3 page personal ltr. in 6 wks. for \$1.00. v/s * Evaristo Mercado Perez, Director. (Craighead-KS).

NORWAY: Radio Norway International 17760 f/d "Glass Designs" cd. in 28 ds. (Schwartz). 11925 same f/d cd. in 1 mo. w/ schedule and a sticker. (Millard-TX). 15230 same cd. w/ sticker in 29 ds. (Martin). 25730 f/d cd. for "NORD 91" via **Vitsoy** site. (Berg).

OMAN: BHC 15310 f/d "Map" cd. in 21 ds. for 2 IRCs. (Carberry-CA). same in 5 wks. direct from the station. v/s David Bones. (Behr-ONT).

PAPUA NEW GUINEA: Radio Southern Highlands 3275 p/d ltr. w/ postcard in 30 ds. for ms. (Hosmer-MI). **Radio Gulf** 3245 f/d cd. in 3 wks. for ms. (Orcutt-NY).

PERU: Radio Ancash 4990 f/d ltr. in 40 ds. for a SP rpt. (MacHarg). **Radio Difusora San Martin** 4810 p/d cd. w/ personal ltr. and a pennant in 94 ds. for a SP rpt. (MacHarg). **Radio Marañon** 4835 p/d cd. in 135 ds. for a SP rpt. (MacHarg).

PHILIPPINES: Radio Pilipinas 17760 f/d cd. in 42 ds. (MacHarg). 21580 f/d cd. in 32 ds. (Westdal). f/d cd. in 3 wks. v/s Evelyn S. Agato. (Dellit). **FEDC** 11685 f/d cd. w/ ltr. signed by the entire staff in 65 ds. for 1 IRC. (Turnick-PA). **Radio Veritas Asia** 21560 f/d "San Lorenzo Ruiz" cd. in 5 wks. Station requires 30 minutes for a reception rpt.ever listen to Urdu for 30 minutes? (Dellit).

POLAND: Radio Polonia 9675 f/d cd. w/ personal ltr. and schedule in 143 ds. (Lamb-NY).

PORTUGAL: Radio Canada International 7210 via **Sines** f/d cd. w/ site in 20 ds. (Rigas-IL). **Radio Free Europe** 9675 via **Gloria** f/d "Map" cd. in 1 mo. (Dellit). **Radio Portugal International** 21515 f/d cd. in 4 wks. w/ tourist brochure. v/s Winnie Almeida, English Host. (Dellit). **Radio Trans Europa** 9670 cd. and ltr. was rcvd. for the * **Voice of Orthodoxy** program in 2 mo. after several f/up rpts. v/s Valentin Korelsky, General Secretary. Addr: B.P. 416-08, 75366 Paris Cedex 08, France. (Berg-MA).

ROMANIA: Radio Romania International 11940 f/d cd. in 184 ds. in 184 ds. Also rcvd. personal ltr. from Frederica Dochinoiu, Head of the English Dept. (MacHarg).

SABAH: Radio TV Malaysia 4970 via **Kota Kinabalu** p/d "Map/Logo" cd. in 26 ds. for ms. v/s Hasbullah Latiff. (Kohlbrener-PA).

SAIPAN: KFRS 15320 f/d "Rainbow" cd. in 13 ds. for \$1.00. (Ondrechen-MA). 12025 same cd. in 573 ds. (Hardester-OKI). 11650 f/d cd. in 18 mo. after 3 f/up rpts. Why???? (Berg-MA)...Your guess as good as mine...Sam. **KHBI** 15665 f/d cd. in 6 wks. (Dellit).

SAINTE HELENA: Radio Saint Helena 11092.5 f/d "Map" cd. * in 10 wks. on my 2nd. try. Also rcvd. station info. and a personal ltr. (Field-MI).

SAUDI ARABIA: BSKSA 15345 f/d cd. w/ schedule, ltr. & station info. in 68 ds. via registered mail. (Grace)

SCOTLAND: Radio Gloria 7415 f/d cd. in 17 ds. w/ pre- * pared cd. v/s Phil McPhee, Chief Engineer. (Kusalik) 7415 f/d cd. in 5 wks. for \$1.00. Tnx to Berg for address. (Smith-OH)...Mr. Smith says that this station was relayed by a NA pirate over 7415kHz. Any additional info. on this?...Sam.



Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- 2310 AUSTRALIA ABC Alice Springs 3/14, 1150 Amer film mx (Lyon)
2340 CHINA Fujian PBS 3/14, 1207 nx, long tlks, fair (Lyon-MN)
2360 GUATEMALA R Maya 3/21, 1039 Cajun-like campesino mx (Frodge)
2410 NEW GUINEA R Enga 3/20 1109 best ever sig, tlk abt Mt. Hagen, TC, clear IDs, nx abt improved Air Niugini flights C&W mx after nx (Clark-ON) 3/14, 1201 ID, C&W, mx requests for birthdays (Lyon-MN)
- 2490 BRAZIL R 8 Setembro 4/4 2330 Amer pops, 2353 ID (Johnson-GP)
3000h COLOMBIA R 1500 3/19 1025 rock, ID, het (Grace-MA)
3160h VENEZUELA R Occidental 3/16 1010 fanfare, clear ID (Grace-MA)
3200 SWAZILAND TWR 3/25 0300 Ndebele rel mx after EG anmt (Klinck)
3205 NEW GUINEA R West Sepik 3/7 1134 lcl mx, PD anmts (Klinck-NY) 3/14 1220 TC, dedications, C&W, blues, dyn-o-mite sig (Lyon)
3215 SOUTH AFRICA R Oranje 3/25 0305 EG/AK anmts, mx (Klinck-NY)
3220 ECUADOR HCJB 4/9 0240 tlk, folk mx, ID, TP (Jordan-PA)
3220 NEW GUINEA R Morobe 3/19 1035 choral mx, tlk (Grace-MA) 3/14 1235 pop mx, tlks, heavy ute QRM, SIO=323 (Lyon-MN)
3235 NEW BRITAIN RWNB 3/20 0853 TC, EG pgm notes (Clark-ON) 3/14 1100 PD ID, tlks, lcl mx, fair (Klinck-NY)
3240 SWAZILAND TWR 3/8 2240 EG rel pgm, fair (Klinck-NY)
3250 HONDURAS R Luz y Vida 3/25 0303 MOR mx, ID, echo anmts, rel mx (Jordan-PA) 4/3 0314 SP mx, IDs, fair (Klinck-NY)
3260 NEW GUINEA R Madang 3/14 1240 C&W, island, rock mx (Lyon-MN)
3264.7 SULAWESI RRI Gorontalo 3/22 1816 instls, ID, ancd Ramadan special pgm, Koran (Yamada-JAPAN)
- 3270 ECUADOR Ecos del Oriente 2/29 0330-0400* IDs, ads, govt anmt prohibiting exploit of EG wildlife (Durden-GR)
- 3280 ECUADOR LV del Napo 4/9 0304 ID, pops w/orch, QRN (Jordan-PA)
3285 ECUADOR LV del Rio Tarqui 4/5 1014 rustic mx, ID (D'Angelo-GP) 3/25 tent, 1051 excited tlk, ment Ecuador (Williams-IN)
- 3290 PAPUA R Central 3/7 1137 mx, EG ID & anmts, poor (Klinck-NY)
3295 ICELAND ISBN 3/15 0630 EG oldies, anmts in Icelandic (Durden)
3315 ADMIRALTY R Manus 3/19 1046 chorus, tlk, ute QRM (Grace-MA) 3/14 1100 tlks, lcl mx, fair (Klinck-NY) 3/14 1248 ID (Lyon)
3315 ECUADOR R Pastaza 3/8 1128 Quechua mx, ID 1130 (Klinck-NY)
3316 SIERRA LEONE SLBS 4/4 2230-2233* EG ID, orch NA (D'Angelo-GP)
3324.8 GUATEMALA R Maya 3/11 1130 ID, lcl mx, fair (Klinck-NY)
3325 NEW BRITAIN R North Solomons 3/19 1052 rock mx, ute QRM (Grace-MA) 3/7 1139 lcl mx, anmts in lang (Klinck-NY)
3339.9 PERU R Altura 3/6 1020 echo anmts, ads, ID, huaynos (Alexander-PA) 3/21 1025 "la romantica los Andes" Andean mx anc soundd like preacher but no rel words hrd (Frodge-MI2)
3345 PAPUA R Northern 4/5 1044 pop mx, brief tlk, ID (D'Angelo-GP) 3/21 1113 C&W, rock, native vcls, ment listener names (Frodge)
- 3360 GUATEMALA LV de Nahuala 3/17 0227-0305* ID, marimba mx, professional mx, nx, ID (Jordan-PA)
- 3360.5 ECUADOR R Federacion 3/8 1130 Quechua ID, mx, anmts (Klinck)
3380 GUATEMALA R Chortis 3/2 0135 marimbas, cumbias, dedications (Newman-IN) 3/11 0246 lite mx, rel cmtry "TGCH R Chor-tees" to 0257*, SIO=322 (Frodge-MI1) 3/21 1121 ID, mx (Klinck-NY)
- 3380.6 MALAWI MBC 3/18 0337 drums & group vcl, EG ID 0400 (Klinck) 3/30 0340 native vcl, EG TC, drums, strong sig (Clark-ON)
- 3385 NEW BRITAIN RENB 3/14 1103 lcl mx show, fair (Klinck-NY) 3/22 1215 choral hymns, anmts, pop/C&W, fair (Lyon-MN)
- 3390.1 ZAIRE R Gandip 3/30 0320 FR //5066.3, vcls, fair (Clark-ON)
3395 NEW GUINEA R East Highlands 3/7 1150 PD anmts, mx (Klinck-NY)
3500 COLOMBIA LV de Guainia 3/18 *1010 NA, ID, vcls (Alexander-PA)
3880t CLAND R Free Bougainville 3/28 0857 some mx, long tlk, vcl 0938, poss nx 1000, better 1100 PD tlks (Clark-ON)

3880 3/19 0930-1030 bits of mx & tlk not readable (Flynn-OR)
4/4, 4/5 1100 mx, PD tlk but no ID (Johnson-GP)

3905 NEW IRELAND R New Ireland 3/15 1048 tlk pgm, mx bridges,
lcl mx 1100, severe ham QRM (Klinck-NY)

3910 EURO PIRATE R Fax 3/12 2230 rock mx, econ nx //6205 (Sams-MO)

3925 JAPAN R Tampa 4/4 0930 JP tlk, fair (Klinck-NY) 3/22 1125
happy chatter, mx breaks, TC, SIO=433 (Lyon-MN)

3965 FRANCE RFI 3/10 0356 pop mx, ID, nx abt Yugo, Russia (Lamb-NY)
2334 FR anmts, mx, good (Klinck-NY)

3976 JAVA RRI Surabaya 3/26 1200 SCI, RRI ID, nx, strong (Sams-MO)

3980 GERMANY VOA Munich 3/14 2336 Slovak tlk, EG ID (Klinck-NY)

3985 SWITZERLAND SRI 4/4 0412 cmtry, ID, "Crossroads" pgm (Lamb)

3987.1 IRIAN JAYA RRI Manokwari 3/15 1045 pop mx, 1100 ID, nx,
SIO=242 (Yamada-JAPAN) 3/20 1130 IN pops, wayang mx
(unusual for Irian Jaya), SCI, nx (Clark-ON)

4060 ASIATIC RUSSIA FEBC 3/15 *0900 RS, EG IDs, rel //5965, 9560
SIO=433 (Yamada-JAPAN)

4087.6 MONGOLIA RUB 4/4 1100 6 TP, anmt, mx, nx, noisy xmtr //4995
later 774850, 4893.6 but this one fading 1115 (Clark-ON)

4175p CLAND Vo Iraqi Kurdistan 3/21 1620 lang tlks, lcl mx, poor
to fair (Yamada-JAPAN)

4331 PERU unid 3/16 1027 huaynos, ID but lost (Grace-MA)

4395 ASIATIC RUSSIA Mayak 3/16 1448 RS mx, tlk, IS, TP, TC.
Xmtr in Yakutsk //4040, 4930, SIO=343 (Yamada-JAPAN)

4435.2 BOLIVIA LV del Tropic 4/5 0035 flutes, OM tlk (Johnson-GP)

4449.9 BOLIVIA R Frontera 4/4 0043 tlk, s/off anmt, ID to 0058*
(Johnson-GP)

4485 PERU LV de Celendin 4/4 0141 bird calls, ID 0152 (Johnson-GP)

4509 BOLIVIA R Horizonte 4/4 0912 rustic vcl, ID 0922 (D'Angelo-GP)

4600 BOLIVIA R Perla del Acre 4/4 0108 ID, Latin rock (Johnson-GP)
4/4 0110 IDs, ment Cobija, FC (D'Angelo-GP)

4606.3 IRIAN JAYA RRI Serui 3/20 1205 Jak mx, anthem 1214 (Clark-ON)
3/21 1207 nx, SCI 1212, tlk, C&W (Williams-IN)

4679.5 ECUADOR RN Espejo 3/6 0030-0258* anmts, ads, TCs, ballads
class mx, sev IDs (Alexander-PA) 3/13 0055 nx, ID (Durden)

4725t MYANMAR Vo Myanmar, 3/22 1206 tlk in lang, weak (Williams-IN)

4740 RUSSIA R Yunost 3/15 0035, RS rock mx, phone tlk, lengthy
EG ad for Lotz Airlines w/phone nos (Berg-MA)

4755 BRAZIL R Educ Rural 2330 IDs, ads, "Brasil Sertanejo" pgm
carnival nx, Catholic pgm 0000 (Durden-GA)

4755 BRAZIL Rdf Maranhao 4/5 2342 rel, Christian mx, IDs (Lamb-NY)

4765 CONGO RTVC 3/26 0354 IS, NA, ID, sked, mx from hillife to
Elton John, greetings, cmtry, fair (Mikell-IL) 3/8 2245
hillife mx, very good (Klinck-NY) 3/21 2310 sev IDs, tlk abt
Mali, mx (Peck-NY) 3/22 2315 pol. tlk, good (Karcheski-MA)

4770 NIGERIA R Nigeria 3/12 0556 promo for "Kaduna Magazine" ID
drums, TC "Network Nx" (Lamb-NY) 3/25 0600 EG ID, time
tone, nx (Hankison-KS)

4775 BRAZIL R Portal da Amazonia 4/4 2337 vcls, tlk, shouting
ment Amazonia, SIO=353 (D'Angelo-GP)

4780 DJIBOUTI R Djibouti 3/22 2227 group singing, ID, anthem that
sounded like theme to western movie (Berg-MA)

4785 MALI RTV Malienne 3/19, 0702 nx abt DeKlerk, Mali, ID (Lamb)

4789.6 IRIAN JAYA RRI Fak Fak 3/25 1154 orch, IN tlk, Jak nx
(Williams-IN) 3/21 1205 Jak mx, ID 1215, fair (Durden-GA)

4790 PERU R Atlantida 3/7 0240 pol tlk, mx bridges, ID (Klinck)
3/12 0921 tlk abt Catholic church, IDs, rooster (Lamb-NY)
3/14 0935 rural LA mx, accordion/yodel TCs (Newman-IN)
3/22 1044 LA mx, ment Iquitos, 1059 ID (Williams-IN)

4790.3 PAKISTAN RP 3/15 0046 subcont mx, TP, nx //5085 (Alexander)

4795 AKR via Trarkhal 3/30 0050 Koran, fair (Clark-ON)

4805 BRAZIL R Nova Difusora 4/5 0007 long tlk, IDs (D'Angelo-GP)
4/4 2321 anmts, ID, accordion (Johnson-GP)

4805 BRAZIL Rdf Amazonas 3/14 0930 pops, jingle, "noticias
loais" 1004 (Newman-IN)

4810 UNID poss Asiatic Russia 3/21 1145 CH tlk, 1200 KR (Durden)

4810 SOUTH AFRICA RSA 3/10 0246 cricket, Benson & Hedges ad, ID

- 4810 NA, AK nx (Lamb-NY) 3/7 0254 lcl & western mx, R Orion
ID (Klinck-NY) 3/21 2250 class & pop mx (Frodge-MI2)
3/14 2310 SABC sports, TC, ID, cricket, EZL (Lyon-MN)
- 4815t BURKINA FASO RB 3/25 0620 FR, Afr mx, weak (Hankison-KS)
- 4824.5 PERU LV de la Selva 3/14 1006 FC, merengues TC (Newman-IN)
- 4825 BRAZIL R Educ Braganca 3/15 0912 IDs, "Sertao Maior" pgm
ads, good sig (Durden-GA)
- 4830t THAILAND RT 4/4-5 1135 EZL, tlks, seemed //9655 (Clark-ON)
- 4835 MALI RTV Malienne 3/8 2248 FR drama, mx bridges (Klinck-NY)
3/14 2320 hilife, pops, s/off anmt, NA by pathetic band (Lyon)
- 4840 VENEZUELA R Valera 3/25 0110 brassy mx, rancheras, ID (Jordan)
3/23 0235 Streisand, LA mx, ID 0249 (Williams-IN) 3/14 1015
ID "primer lugar en sintonia del pais" ads for Pachuco Tres
dept store boasting goods from US & Taiwan (Newman-IN)
- 4845 MALAYSIA RTM 4/5 1115 Tamil anmts, 1130 EG anmt "musical
matinee" pgm (Clark-ON) 3/24 tent 1131 chanting like Indian
regional, tlk in lang (Williams-IN)
- 4845 MAURITANIA ORTM 3/25 0130-0202* Casbah type mx, phone tlk,
recit, ID 0134 (Jordan-PA) 3/8 0608 AR Koran, "Godfather"
theme, lcl mx, ID, nx (Lamb-NY) 3/23 0645 tlk, sitar mx
(Boulden-CA) 3/8 2250 AR mx pgm (Klinck-NY) 3/14 2335 AR
somber tlk, vcls, good (Lyon-MN)
- 4850 MONGOLIA RUB 4/4 1110 poss nx, class Asian mx, tlks (Clark-ON)
- 4850 UZBEKISTAN Tashkent 3/6 0130 RS opera/class mx //5900 (Alex.)
- 4860 INDIA AIR Delhi 3/22 1240 subcont mx, YL anc (Lyon-MN)
3/19 1918-1930* Hindi subcont mx, anmts (Yamada-JAPAN)
- 4862.5sh COSTA RICA AVR subharm of 9725 "La Voz de la Esperanza" pgm
ID (Durden-GA)
- 4870 BENIN ORTB 3/8 2252 Western mx, FR ID (Klinck-NY)
- 4870 ECUADOR Centinela del Sur 4/4 0350-0407* vcls, ID, NA (D'Ang.)
- 4874.6 IRIAN JAYA RRI Sorong 3/21 1135 IN tlks, poor (Klinck-NY)
3/20 1200 ID, nx, Indo pops, very strong (Durden-GA)
- 4875t BOLIVIA La Cruz del Sur 4/3 2345 Bolivian pops, folk mx (Peck)
- 4875 CHINA Vo Jinling 3/15 1210 bamboo flute, orch, tlk (Lyon-MN)
- 4881.2 IRIAN JAYA R Suara Kasih Agung 3/20 1135 great sig, LP cuts
1142 clear ID, room filling mx "Oh God our Help in Ages
Past" in EG before s/off (Clark-ON)
- 4885 COLOMBIA Ondas del Meta 3/14 1025 tlk show-Paul Harvey-esque
ancr ment they've run out of cemetery space in Bogota (Newman)
- 4889.5 ECUADOR Centinela del Sur 3/1 2210 ID/s/off anmt (Durden-GA)
- 4890 PAPA NBC 3/17, 0837 mx, wx, ID, ads, my 1st PNG (Boulden-CA)
3/21 1132 Western mx, female DJ (Klinck-NY) 3/9 1135 ID
mx from Sound of Music, fair (D'Angelo-PA) 3/22 1215 BBC
pgm of class mx, ID, TC, nx (Lyon-MN)
- 4890 SENEGAL ORTS 3/8 2255 Afr mx, tlk in lang (Klinck-NY)
- 4893.6 MONGOLIA RUB Muren, 4/4 1112 //4087.6 tlks, vcl 1126, Moscow
IS & relay, best of 4 Mongol. channels (Clark-ON)
- 4911.2 SUMATRA RRI Bukittinggi 3/13 2047 pops, Jak nx, drama (Yamada)
- 4914.6 PERU R Cora 3/21 1013 huaynos, ID (Grace-MA) 3/6 1030 ID
exc sig (Westdal-CA)
- 4915 BRAZIL RN Macapa 3/21 0904 IDs, ment Macapa, nx, mx (Lamb-NY)
- 4915 GHANA GBC 4/3 0534 EG IDs, lcl mx, lang tlk (Lamb-NY)
3/22 0605 EG nx, tlk abt diamond mine (Jordan-PA) 3/8 2259
mx, IDs (Klinck-NY)
- 4920 AUSTRALIA ABC Brisbane 3/21 1129 EG ID, mx pgm (Klinck-NY)
3/15 1240 Aust. politics, TC, pops, TP, ID, nx (Lyon-MN)
- 4920 ECUADOR R Quito 3/10 0213 pops, ads, IDs, nx (Lamb-NY)
- 4920 INDIA AIR Madras 3/13 *0013 IS, subcont mx (Alexander-PA)
- 4920 NICARAGUA R RICA 3/16 1059 ID, poor (Klinck-NY)
- 4935 BRAZIL R Capixaba 3/13 2325 rel, ID (Durden-GA)
- 4940 VENEZUELA R Continental 3/21 0920 anmt, TC (Frodge-MI2)
3/15 1031 ID (Westdal-CA)
- 4945 BRAZIL R Progresso 4/4 0935 TC, FC, ID (Johnson-GP)
- 4950 ANGOLA RN 3/24 0402 IDs, anmts, hilife, poor (D'Angelo-PA)
- 4950 PERU R Madre de Dios 4/4 0020 ads, ID (Johnson-GP)
- 4950 SARAWAK RTM Kuching 3/23 1129 C&W, TP, EG nx & ID (Williams-IN)

- 4950 3/22 1200 CH nx, ID w/ment Kuching, CH mx (Durden-GA)
 4955 BRAZIL R Marajoara 3/23 0225 lcl mx, echo anmt, ID (Lamb-NY)
 4960 INDIA AIR Delhi 3/14 *0023 IS, mx, nx (Alexander-PA)
 4970 VENEZUELA R Rumbos 4/12 0240 ID, mx, ads (Jordan-PA)
 2/28 0711 mx, IDs (Boulden-CA)
 4975t BRAZIL R Timbira 3/20 2311 ballad-like fado, tent ID (Peck-NY)
 4980 VENEZUELA Ecos del Torbes 3/10 0145 ads, nx, ID (Karcheski-MA)
 4990 INDIA AIR Madras 3/15 *2359 IS, ID, anmt, mx (Alexander-PA)
 5005.7 SURINAM R Apintie 4/5 0345 canned ID, promos in EG, mx,
 Dutch tlk (Clark-ON) 4/5 0357 anmts, ID, no ute (Johnson-GP)
 4/5 0405 Top 40 mx, 0428 ID, poor (D'Angelo-GP)
 5010 CAMEROON R Garoua 3/17 0458 chants, ID 2 nites later (Hankison)
 3/23 0506 Yaounde nx relay, medicine ad, hilife (Lamb-NY)
 3/8 2220 Afr mx, FR ID (Klinck-NY)
 5010 MADAGASCAR Em 3/23 0312 pop & Mozart, ID, nx (Lamb-NY)
 5010.3 ECUADOR Esc. Radiofonicas Pop 3/21 1103 partial ID (Williams)
 5015 BRAZIL R Pioneira 3/25 0254-0259* pops, ID (D'Angelo-PA)
 3/15 0823 IDs, ads, "Bom Dia Brasil Especial" pgm (Durden-GA)
 5020 SOLOMON SIBC 3/22 0807 EG nx, ID (Boulden-CA) 3/17 0900
 regional nx, childhood ed pgm "R Happy Isles" (Westdal-CA)
 3/15 0945 EG tlk, rel mx (Klinck-NY) 3/15 1000 rel, ID
 fair (Durden-GA) 3/21 1013 ad for Magic-2 noodles, "Sunshine
 R", nx, Beatles (Frodge-MI2)
 5020.1 COLOMBIA Ecos del Atrato 3/3 0010 TC, Caracol promos, ads,
 Jingles, mx, ID 0129 (Alexander-PA)
 5025 BENIN Parakou 4/4 2150-2300* continuous mx incl rap, ID
 NA (D'Angelo-GP) 3/8 2228 ID, good (Klinck-NY)
 5025 PERU R Quillabamba 3/15 1043 ID, Cath rel, anmt (Durden-GA)
 5035 BRAZIL R Educ Rural 3/15 1005 anmts, inspirational, ID (Durden)
 5035 BRAZIL R Aparecida 3/1 2330 ballads/pops, drugstore ad (Newman)
 5040 ECUADOR LV del Upano 3/2 0105 merengues, ads for supermkt &
 vet clinic for farm animals (Newman-IN)
 5047 TOGO RTV 3/8 2235 FR class mx (Klinck-NY) 3/20 2300 hilife,
 Jazzy mx (Peck-NY)
 5050 TANZANIA RT 3/29 0303 instl, ID, chimes (Clark-ON)
 5052t SINGAPORE RS 3/23 1142 orch, nx, poss IDs, 4 TP (Williams-IN)
 5055 COSTA RICA Faro del Caribe 3/26 0255 ID, rel mx (Jordan-PA)
 3/10 0322 "Focus on the Family" ID (Lamb-NY)
 5068.6 PERU Ondas del Sur Oriente 4/4 0954 NA, ID (Johnson-GP)
 5075 UNKNOWN BBC 3/4 0625 EG fishing show. Xmtr site? (Boulden-CA)
 5290t ASIATIC RUSSIA Krasnoyarsk R 3/16 1440 RS tlk, mx (Flynn-OR)
 5560 NICARAGUA R Miskut 3/8 2300-2326* mx ID, NA (Alexander-PA)
 5645 PERU R Bambamarca 3/14 0041 60s mx, ID (Grace-MA)
 5660.5p PERU IV de Cutervo 3/14 0045 rock mx, tlk (Grace-MA)
 5680 PERU, unid 3/11 1026 huaynos, poss ID-R Atlanta (Grace-MA)
 5885 UNID 2/5 0020 violin solo, anmt/ID not understood, heavy
 hum on freq, not Kol Israel (Levison-PA)

The following are from GORDON DARLING, various receiving locations:

- 4787.9 VIETNAM Gia Lai Cong Tum BS 1/8 1142 lcl mx, anmts, abrupt
 close 1157 (hrd in Lampang, Northwest Thailand)
 4655t LAOS Houa Phan 1/13 1208 hill tribe mx anmts (CMA)
 4725 MYANMAR Vo M 1/14 1130 lcl mx, nx, S9+20 (CMA)
 4760 CHINA Yunnan BS 1/15 0430 lcl mx, anmts, S6 (CMA)
 4816.7 VIETNAM Ha Tuyen BS 1/13 1143 ballads, 1203 fade (CMA)
 4880 BANGLADESH RB 1/14 0102 nx, IDs (CMA)
 4894.5 VIETNAM Vov 1/15 0436 lcl mx //10059, 6449.5 (CMA)
 5005 NEPAL RN 1/12 1649 Nepali mx, good sig (from Chiang Mai,
 Thailand)

Next month we will have more of Gordon's loggings from Malaysia and Bali--lots of good stuff. MARLIN FIELD again hrd the Peruvian on 4485 and after listening to his tape, hrd ID as "Radio la Voz de Celendin." A big thank you to all for reporting what they hrd. Some great program details, too!



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

International Band Loggings

- 5960 KAZAKHSTAN R Alma Ata in EG 2200*, Soviet bashing, //5035, 5260 (Sams MO 3/7)
- 5960 GERMANY D Welle in EG 0535, tlk on econ in European countries (Oliver TX 3/27)
- 5975 COLOMBIA R Macarena in SP 1032, ID, promo, fgy, pops, tlk, QRM (Clar NY 3/5)
- 5995 GERMANY VOA relay in EG 0643, ID, tlk on foreign relationships (Boulden CA 3/13)
- 6005 ASCENSTON IS. BBC relay in EG 0015, nx, press review, relig pgm, f (Clar NY 3/9)
- 6005 CANADA CIQX Montreal in EG 2205, C&W mx, ID "V of the Expos" (D'Angelo PA 3/7)
- 6065 COLOMBIA R Super in SP 1036, ID's, slogans, promos, tlk, g (Clar NY 3/22)
- 6075 COLOMBIA Caracol Bogota in SP 0740-1045, ID's, L Am pops, ballads, dramatized tlk, //6150 (Lamb NY 3/28, Clar NY 3/22)
- 6080 AUSTRALIA RA in EG 1205, feature on Indonesian economy, f (Frodge MI 3/21)
- 6115 PERU R Union in SP 0732, L Am pops, big band mx, ID's, jingles, f (Lamb NY 3/28)
- 6120 CANADA R Japan relay Sackville in EG 1150, rpt on AIDS in Japan (Tucker GA 3/11)
- 6135 SO KOREA KBS Liberty 2 (p) in KR 1554, jammed, MW relay per WRTH (Flynn OR 3/19)
- 6180 BRAZIL RN da Amazonia in PT 2205, nx pgm, ID, cat food ad, f (Lamb NY 4/2)
- 6180 CUBA RHC in EG 0440, "DXers Unlimited", ID (Galgano NY 3/25)
- 6185 MEXICO R Educacion in SP 1052, cont LA pops, ID's, slogans, ads? (Lamb NY 3/22)
- 6185nf CHINA Huayi BC in CH 1100, pips, ID, tlk, CH pop mx pgm, interview, QRM from CBS Taiwan on 6180 (see Dec and Jan Listeners Notebook for more details)
- 6210 ITALY Euro Christian R in EG 0730, IS, ID, address, tlk, mx (Alexander PA 3/8)
- 66702 PERU R Santa Monica in SP 0950, tlk, L Am mx, echo anncmts, ID (Alexander 3/18)
- 67547 PERU R La Merced in SP 0150-0202*, anncmts, mx, ID, NA at s/off (Alexander 3/2)
- 68003 PERU R Ondas del Mayo in SP 1035, DJ chatter, anncmts, ID Huaynos (Alexander 3/6)
- 7125 CYPRUS CBCC via BBC relay in GK 2213, guitar IS, ID, tlk, f-g (Peck NY 3/15)
- 7125nf GUINEA RTV Guineenne in FR 0630, Afro pop mx, ID, nx (Lamb NY 3/28, Clar NY)
- 7140 BELGIUM RTBF in FR 0514, Gipsy Kings mx, ID, "Bewitched" theme, nx (Lamb 3/12)
- 7165 GERMANY R Free Europe in RM 0645-0700*, relig mx, ID, f (Brandt NJ 3/22)
- 7170 UNITED KINGDOM VOA relay in EG 0618-0700*, "Newline", ID, IS, f-g (Lamb NY 4/1)
- 7205 ITALY AWR Forlì in IT 0757, lite mx, IS, ID, relig pgming, p (Alexander PA 3/8)
- 7250 TAIWAN CBCS Taipei (t) in CH 1525, band & pop mx, severe jamming (Flynn OR 3/18)
- 7275 LIBERIA ELBC in EG 0650*-0753, NA at s/on, ID, pgm sked, relig tlk/prayer, TC rpt on elections in Liberia, AIDS pub svce anncmt (Alexander PA 3/22, Clar NY)
- 7290 PAKISTAN PBCC in HD? 0130*, tlk, sub-cont mx, NA, //9369 (Alexander PA 3/15)
- 7490nf USA WJCR Upton KY in EG hrd variously from 1450-0600, first day of bcsting 3/15, relig pgming, ID's, address, invite free calls/ prayer line, gospel mx (Berg MA, Alexander PA, Jordan PA, Flynn OR, D'Angelo PA, Oliver TX, Lamb NY, Boulden CA)
- 7600 ECUADOR HO210A Time Stn in SP 0450, pips, vocal time each min (Oliver TX 3/22)
- 9064 CHINA CPBS-1 Beijing in CH 2330, anncmts, theme mx, tlks (Newman IN 3/1)
- 9405nf? NO MARIANAS KFBS Saipan in RS 1515, inspirational mx, ID (Hankison KS 3/17)
- 9505 YUGOSLAVIA RY Belgrade in EG *2200, IS, ID, nx, European beam (Oliver TX 3/19)
- 9515 BRAZIL R Novas de Paz in PT 0050, sports bcst, ID's, p (Clar NY 3/2)
- 9525 POLAND RP Warsaw in EG 2102, mailbag re EG xmsns, ID, f (Clar NY 2/28)
- 9530 SPAIN REE Madrid in EG 0045, nx of sports in Spain, theater nx (Unruh WA 3/2)
- 9530 NO MARIANAS KHBI Saipan in EG 1400, ID, nx (Hankison KS 3/29)
- 9570 PORTUGAL RP Lisbon in EG 0230, nx, wx, TC, fgy, g (Levison PA)
- 9580nf? YUGOSLAVIA R Federal Yugoslavia in EG 0145, interview, rock (Tucker GA 3/15)
- 9600 MEXICO R Universidad in SP 1412, ID accompanied by guitar (Hankison KS 3/1)
- 9615 PHILIPPINES R Veritas in CH/EG 1433-1530*, ID, fgy, p (Field MI 4/3)
- 9630 SO AFRICA R Oranje in EG 0513, ID, cigarette ad, pop mx, AIDS tlk (Westdal CA)
- 96347 SINGAPORE SBC Radio 3 in CH 1152, pop vocals, tlks, pips, nx (Clark ONT 4/5)
- 9650nf GUINEA RTV Guineenne in FR 0724, nx, sports, Afro pop mx, ID, g (Lamb NY 3/27)
- 9660 VENEZUELA R Rumbos in SP 0715, L Am mx, ID's, chimes (Oliver TX, Lamb NY 3/27)
- 9665 BRAZIL R Marumbi in PT 2345, tlk, ID, jingles, promo, mx, f (Clar NY 3/1)
- 9680 INDONESIA RRI Jakarta in IN 1219, lcl pop mx, ID's (Clark ONT 3/20, Westdal CA)
- 9700 NEW ZEALAND RNZ in EG 1054, pop mx, ID, cricket match (Klinck NY, Tucker GA)
- 97101nf LITHUANIA R Centras in EG 0658, IS, ID, sked, xmtr coordinates, anncd "We are on the air every last Saturday of the month" and "the first commercial radio stn in Eastern Europe", req rpts to Vilnius, Lithuania (Alexander PA 3/28)

- 9720 RUSSIA R Galaxy in RS? *2000-2300*, mx, ID "Radiostansiya Galactica", jingle, RS pop/rock, f-g w/QRM from Iran mostly during latter part of xmsn (Berg MA 3/7)
- 9735 PARAGUAY R Nacional in SP 0110, taped soccer hilites, ID, promo, g (Clar NY 3/2)
- 9760 ALBANIA R Tirana in AL 0140, AL folk mx, tlk, NA 0157, IS (Peck NY 3/21)
- 9760 UNITED KINGDOM VOA relay in EG 1926, "Newline", ID, pop mx, f-g (Lamb NY 3/8)
- 9760 CANADA RCI in EG 0630, "Open House" tlk on Canadian Indians (Grenier NV 3/18)
- 98299 CROATIA Hrvatski R Zagreb in CR 0704, New Age & folk mx, ID's, nx (Lamb NY) in CR 0051, nonstop rock, pips on hr, nx?, f, //7240 (Flynn OR 3/16) in EG 2204, ID nx re battles in Croatia, lite mx (Alexander PA 3/14, Peck NY 3/21)
- 9835 HUNGARY R Budapest in EG 2233, tlk re privatization of HG industry, ID (Clar NY)
- 9835nf RUSSIA AWR Novosibirsk in Mandarin 2300, EG annmt, hymn mx, g (Clark ONT 4/5) ID in EG 0000, into Burmese?, //1855, EG sked 1900-2000 (Berg MA 3/22)
- 9860 MADAGASCAR RN relay in EG *2027-2125*, IS, ID, "Newline", g (Lamb NY 3/12)
- 9860 AUSTRALIA RA in EG 1505, ID, nx, "Financial News Weekly", f (Lamb NY 3/20)
- 9870 SO KOREA RK Seoul in EG 1600, nx, tlk on Korea-India relations (Unruh WA 3/18)
- 9870 UKRAINE R Kiev in EG 0101, ID, nx, cmntry, mx, g (Levison PA 3/13)
- 98777 DOMINICAN REPUBLIC R Santiago in SP 0307, continuous pop mx, ID in EG 0331, req rpts, f-g, anncd fgy as 9875 (Alexander PA 3/8)
- 9880 RUSSIA R Galaxy in RS/EG 2015-2106, pop mx, many ID's in EG, apparently moved from 9720 (see above), anncd as "independent station" (Brandi NJ, Berg MA 4/3)
- 9910 INDIA AIR in EG 2130, sitar mx, //7412, 9950 (Frodge MI 3/20)
- 9950 DOMINICAN REPUBLIC R Clarin in SP 0024, ID's, ads, fone #'s (Berg MA, Flynn OR)
- 11335 NO KOREA R Pyongyang in RS 1020-1050*, tlks, ID, heroic mx, NA (Jordan PA 3/27)
- 11515 CHINA R Beijing in CH/JP 1228, language lessons, very slow CH (Frodge MI 3/22)
- 11550 TUNISIA R Tunisienne in AR 0520, ID, tlk, AR mx (Tucker GA 3/31)
- 11588 ISRAEL Kol Israel in EG 1810, nx, ID (Levison PA) in EG/HB 0400 (Tucker GA 4/5)
- 11600 CHINA R Beijing in EG 1225, feature on child brides, f (Frodge MI 3/22)
- 11625 VATICAN STATE VR in FR 0558, IS, ID, African drums, relig mx, f-g (Lamb NY 3/9)
- 11675nf RUSSIA R Rodonzh in RS? 1128, tones 1128, organ mx 1129, ID, tlks, church svce, prayers, choir, big church bells as mx bridge, QRM (Berg MA 4/5)
- 11695 BELGIUM BRT Int'l in DT/EG *0600-0700+, nx, mx, tlk, into EG 0630, ID, folk mx, "Brussels Today", nx, tlk on econ policies, p (Jordan PA 4/10)
- 11715 MALI R Beijing relay in EG 0035, interview of student, g-exc (Unruh WA 3/2)
- 11720 BULGARIA R Sofia in EG 0557, tlk on BG women, mx, IS, //11765 (Murray OR 3/13)
- 11730 CANADA RCI in EG 2300, ID, CBC nx, "Innovation Canada" (Tucker GA 4/5)
- 11735nf RUSSIA Radio SNC in RS? 1058+, rock mx, ID 1101, QRM (Berg MA 3/20) Site?
- 11770 UKRAINE R Kiev in EG 0110, nx, ID's, folk mx, cmntry, f (Clar NY 3/18)
- 11810 SEYCHELLES FEBA in SH 0314, IS, s/on anmt, ID's, tlk, relig mx, g (Clar NY 3/7)
- 11820 ALBANIA R Tirana in EG *0330, nx, features, exotic mx (Jordan PA, Murphy 3/12)
- 11820 HONG KONG BBC relay in EG 1349, features, phone-in pgm (Lamb NY, Hankison KS)
- 11827 FR POLYNESIA RFO Tahiti in TA 0635, island mx (Peck NY 3/21, Murray OR 3/12)
- 11830 BRAZIL R Anhanguera in PT 0041, Brazilian pops, ID, f (D'Angelo PA 3/30)
- 118357 URUGUAY R El Espectador in SP 0726, relig tlk, ID, p (Durdan GA 3/9)
- 118475v MONGOLIA R Ulan Bator in EG 1206-1230*, nx on elections, ID, mx (Durdan 3/12) Classical mx 1200 on 118513 (Clark ONT 3/29) in EG *0910, IS, ID, sked, nx, weak on 118512, //12015 (Alexander PA 3/19) ID in EG 1230 on 11850 (Westdal CA 3/14)
- 11850 GEORGIA R Tbilisi in EG 0445, opera mx, feature on astrology, f-p (Unruh 3/2)
- 11855nf RUSSIA AWR xmtx Novosibirsk in EG 0745, ID, gospel mx, skeds, DX pgm (Berg MA) in EG/Burmese 1200, ID (Durdan GA 3/25) in CH 1154, ID in EG (D'Angelo PA 4/4, Field MI) in EG 0100, ID, relig pgm (Clar NY 3/18) in CH 2230 (Jordan PA 3/28)
- 11857 ISRAEL Kol Israel in EG 1803, nx, tlk re Israeli farm problems, ID (Clar NY)
- 11865 JAPAN RJ Tokyo in EG 1414, sked, mailbag, ID (Frodge MI 3/22, Hankison KS 3/8) in EG 1559*, mx, cmntry, ID (Lamb NY 3/20) in EG 1702, nx, feature (Grenier NV)
- 11870nf YUGOSLAVIA RY in EG 0040, polit tlks, mailbag, ID, address, p (Jordan PA 3/31)
- 11895nf? TURKEY VOT in EG 2330, ID, muffled sound but good strength (Westdal CA 3/11)
- 11905 ITALY RAI in IT 0238, ID, Verdi and Rossini opera mx, f (Lamb NY 3/12)
- 11905 UNITED KINGDOM R Canada relay in EG 0659*, ID, nx, "Open House", vg (Lamb 3/25)
- 11945nf RUSSIA R Space in RS *1500-1545*, ID's, pop mx, tlk (Berg MA 3/7) Site: Moscow?
- 11955 CANADA RCI in EG 1300, CBC World Report, "Sunday Morning" (Tucker GA 4/5)
- 11995 PHILIPPINES FBBC in EG 1530, sermon, addresses, QRM Moscow (Hankison KS 3/14)
- 12035 SWITZERLAND SRI in EG 0300, mx box chimes IS, ID, sked, into GM 0316 (Unruh WA)
- 12085 SYRIA R Damascus in EG 2024, ID, mx, "Welcome to Syria" (Mikell IL 3/28)
- 12105 GREECE ETH Kavella w/wide variety of mx 2235, no ancmnts, //9425 (Frodge MI 3/20)
- 12984 AUSTRALIA VNG Time Signal Stn in CW 0555, slow CW hrd 6X 0600 (Jordan PA 4/10)
- 13620nf KUWAIT R Kuwait in EG 2055, US pop rx, nx, ID, fqys, relay of MW 1341, NA 2100* (Price PA 3/30) in EG 1800, ID, nx (D'Angelo PA 4/5) 2100* w/NA, sked, anncmnts (Jordan PA 4/12) NOTE: Former AR channel now used to relay MW svce in EG lang.

13753 ISRAEL KI Jerusalem HS in HB 2120, country mx, tlk, ad, f (Peck NY 3/21)
 14918usb KIRIBATI R Kiribati in EG 0640, tlk on S Africa & the Commonwealth(Klinck NY 3/9)
 15030 COSTA RICA RFI in EG 0553, ID, tlk, //13630 (Lamb NY 3/30) 2250 (Tucker GA 4/3)
 15060 SAUDI ARABIA BSKSA in AR 0410, Mideast chants & call to prayer (Unruh WA 3/11)
 15070 UNITED KINGDOM BBC London in EG 1130*, last moments of xmsting from Daventry site
 after 67 yrs of service, immed switch to another xmtr (Brandi NJ, Berg MA 3/29)
 15090 VATICAN STATE VR in EG 0515, tlk on African apartheid, //11625 (Oliver TX 3/19)
 15110 INDIA AIR in EG 2340, GOS, cmntry, lcl mx, ID, s/off 0000 (Durden GA 3/24)
 15125 TAIWAN CBS FM1 Net in CH 1503, lite mx, ID's, jingles, tlks, p (Clar NY 3/28)
 15150nf IRAQ R Baghdad in AR/EG 0040, into EG 0055-0105, nx, p w/garble (Jordan PA 3/24)
 15170 AUSTRALIA RA in EG 1523, Zamfir mx, ID, fqys, "Jazz Notes", f (Lamb NY 4/3)
 15185 INDIA AIR in FR 2012, mx, tlk, ID at s/off 2029 (Tucker GA 3/25)
 15200 BANGLADESH RB in EG 1230, IS 1228, vp due to co-channel R Moscow (Clark ONT 3/29)
 15205 GREECE VOA relay Kavalla in EG 0629, VOA Monday Morning re Super Tues (Lamb 3/9)
 15230 NORWAY RNI in EG *1600, drastic changes in Norway's defense, f (Unruh WA 3/14)
 15240 AUSTRALIA RA in EG 0903, World Cup cricket, ID, //15425 VLW home svce (Lamb 3/12)
 15260 IRAN VOIRI in TK 0400-0530, prayers, IS, ID, NA, recitations, fqys, TC, nx, mx,
 Flks w/many refs to Iran, more prayers, into SP pgming at 0530 (Jordan PA 3/21)
 15335nf? NO KOREA R Pyongyang in EG 0040, cmntry, ID, fqys, sked, off 0047, f (Clar NY)
 15365 AUSTRALIA RA in EG 0609, nx, wx, ID, "Word of Mouth", vg (Lamb NY 3/10)
 15380 NO MARIANAS KFBS FBBC Saipan in EG/IN 1200, EG ID, into IN pgms (Durden GA 3/8)
 15470 UZBEKISTAN R Tashkent in EG 1335*, cmntry on CIS summit, feature (Frodge MI 3/22)
 15505 KUWAIT R Kuwait in AR 1910-2310*, ID, comedy, folk mx, nx, prayer (Peck NY 3/21,
 Jordan PA 4/11, Karcheski MA) All report good to excellent reception.
 15530 HUNGARY R France Intl relay in FR 0505, world & Afr nx, ID (Lamb NY 3/10)
 15665 NO MARIANAS KHBI Saipan in EG 0815, tlk re polit ads, ID, ad for CSM (Lamb 3/19)
 16000 AUSTRALIA VNG Llandilo Time Sig Stn in EG 0540, TC each min, ID, p (Jordan 4/10)
 17018 SO AFRICA ZSC Time Sig Stn 0755, no tlk, tones each sec (Boulden CA 4/5)
 17515nf GREECE VOG in GK *1200, IS repeats, ID, folk mx, nx?, vocals, p (Jordan PA 3/29)
 17535nf USA WWCR Nashville TN in EG 1508, Dr. Gene Scott sermon, ID (Galgano NY 4/7)
 17555 NO MARIANAS KHBI Saipan in EG 0845, tlk re Mary Baker Eddy, ID (Lamb NY 3/28)
 17565nf AUSTRALIA RA in EG 1630, ID, sports nx, exc (Treibel WA 4/12)
 17605 LITHUANIA R Vilnius in EG 2315, hints on visiting Lithuania, g (Unruh WA 3/29)
 17605 KAZAKHSTAN R Alma Ata in EG 1857, ID, 1940's mx, IS, into lang 1900 (Berg MA 4/5)
 17630 GABON Africa #1 in FR 0908, Afro pops, ID, nx, fone-in (Lamb 3/28, Hankison KS)
 17705nf PAKISTAN RP in Urdu/EG 0200-0245*, nx, ID's, IS, "Bonanza" theme (Lamb 4/1)
 177399nf IRAQ R Iraq Intl in AR/EG *2312-0157*, NA, ID, opening annts in AR/EG, fqys, into
 AR tlk & mx, nx in EG 0056, address at s/off, //11945nf (Alexander PA 3/27)
 17760nf RUSSIA New Wave RS in RS 1700, ID in EG, Moscow address, mx, IS (Alexander 3/15)
 17765 NO KOREA R Pyongyang in EG 0415, historical tlk, mx themes (Flynn OR 3/18)
 17765 GERMANY Deut Welle in EG 1140, interview w/Gambian minister, Afr mx (Tucker GA)
 17795 AUSTRALIA RA in EG 0555, ID, sked, "International Report", req pgm (Murphy OR)
 17825 BULGARIA R Sofia in EG 0041, ethnic mx, tlk re composer, f (Levison PA 3/9)
 17825 JAPAN RJ Tokyo in EG 0500, nx, "Magazine Hour" (Tucker GA 3/4, Grenier NV 3/28)
 17830 SINGAPORE BBC relay in EG 0821, "A Jolly Good Show" w/Bon Jovi mx (Lamb NY 3/21)
 17845 SPAIN REE in SP 1802, mx, tlk, nx 1804, Lat Am mx (Tucker GA 3/29)
 17885 SEYCHELLES BBC relay in EG 0406, nx, "Farming World", f (Lamb NY 3/12)
 21635 FRANCE RFI in EG 1230, ID, nx, election roundup, press review (Tucker GA 3/23)
 21740 AUSTRALIA RA in EG 0030, sports, nx (Unruh WA, Tucker GA, Grenier NV, Frodge MI)
 21810 SOUTH AFRICA RSA in EG 0235, mx sels, vocals, TC, ID, f (Levison PA 3/30)

CLANDESTINE STATIONS

6300 R Venceremos in SP 0255*, LA mx, cmntry, ID (Frodge MI 3/21, Alexander PA 3/27)
 6305 LV del Cid in SP 0938, ID, "Musica Libre", exc (Lamb NY 3/30)
 74904 VO the Broad Masses-Ethiopia in lang 0345, //7020, lcl mx, f (Klinck NY 3/11)
 9250 Iran's Flag of Freedom in multi-lang *0328, ID, NA, tlk, AR mx (Alexander 3/22)
 9942v LV del Cid in SP 2152, tlk, ID's, Lat Am mx, f (Clar NY, Karcheski MA)
 15050v R Patria Libre in SP 0035-0111*, anti-Colombian govt political tlks, fqys, ID,
 vocals, anthem at s/off (Hardester NC 3/6, D'Angelo PA 4/5, Durden GA 3/29)
 15100 iran's Flag of Freedom *0646, IS, multi-lang ID's, NA, //11470 (Alexander 3/22)

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